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DO81-016

Final Submission

AIR QUALITY MONITORING
PROTOTYPE OIL SHALE LEASE TRACTS Ua AND Ub
VOLUME I - METEOROLOGICAL

For the Period

1 January 1980 - 31 December 1980



Submitted to

Mr. Jim Godlove
White River Shale Project
1315 West Highway 40
Vernal, Utah 84078

AeroVironment Inc.

145 VISTA AVENUE - PASADENA, CALIFORNIA 91107 USA

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145 Vista Avenue
Pasadena, California 91107

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PREFACE

This volume is the final submission of data acquired during the air quality/meteorology/radiology portions of the lease suspension period monitoring program for oil shale tracts Ua and Ub. The period covered runs from 1 January 1980 through 31 December 1980.

The data presented herein appears in two volumes:

Section I - Meteorology

Data tabulation for all sites, in order by site

1. Wind speed, WS, 10 m, 20 m, 30 m
2. Wind direction, WD, 10 m, 20 m, 30 m
3. Temperature, T
4. Lapse rate, T, between 10-30 m
5. Root-mean-square variation in wind direction, σ_{θ} , 10 m, 30 m
6. Root-mean-square variation in vertical wind speed, σ_w , 10 m, 30 m
7. Solar radiation, SR
8. Barometric pressure, BP
9. Relative Humidity, RH

Section II - Air Quality

In order of site number

1. Total sulfur, TS
2. Hydrogen sulfide, H_2S
3. Sulfur dioxide, SO_2
4. Total hydrocarbons, THC, expressed as $\mu g/m^3$ of CH_4
5. Non-methane hydrocarbon, HC
6. Methane, CH_4
7. Carbon monoxide, CO
8. Nitrogen oxides, NO_x , expressed as $\mu g/m^3$ of NO_2

Section II - Air Quality cont..

9. Nitric oxide, NO
10. Nitrogen dioxide, NO₂
11. Ozone, O₃
12. Total Suspended Particulates, TSP

Not all sites measure all of these parameters.

The data tabulation contain average values for each day, and the peak hourly average for the day. Along the bottom, the average for each hour, averaged over the month, is compiled. Air quality data is given in ug/m^3 usually with values for NO_x computed on the basis of the molecular weight of NO_2 , and those for HC and THC based on the molecular weight for CH_4 .

On the wind direction sheets, "PV" and "PREV" indicate prevailing wind direction divided into 16 sectors with a "1" indicating a prevailing direction between 348.5 and 11.0 degrees, a "2" corresponding to 11.5 to 34.0 degrees, and so forth, i.e., a "1" indicates wind from the 22.5° sector centered on N, a "2" indicates winds generally from the NNE, a "3" from the NE, etc.

Symbols used on the data sheets are:

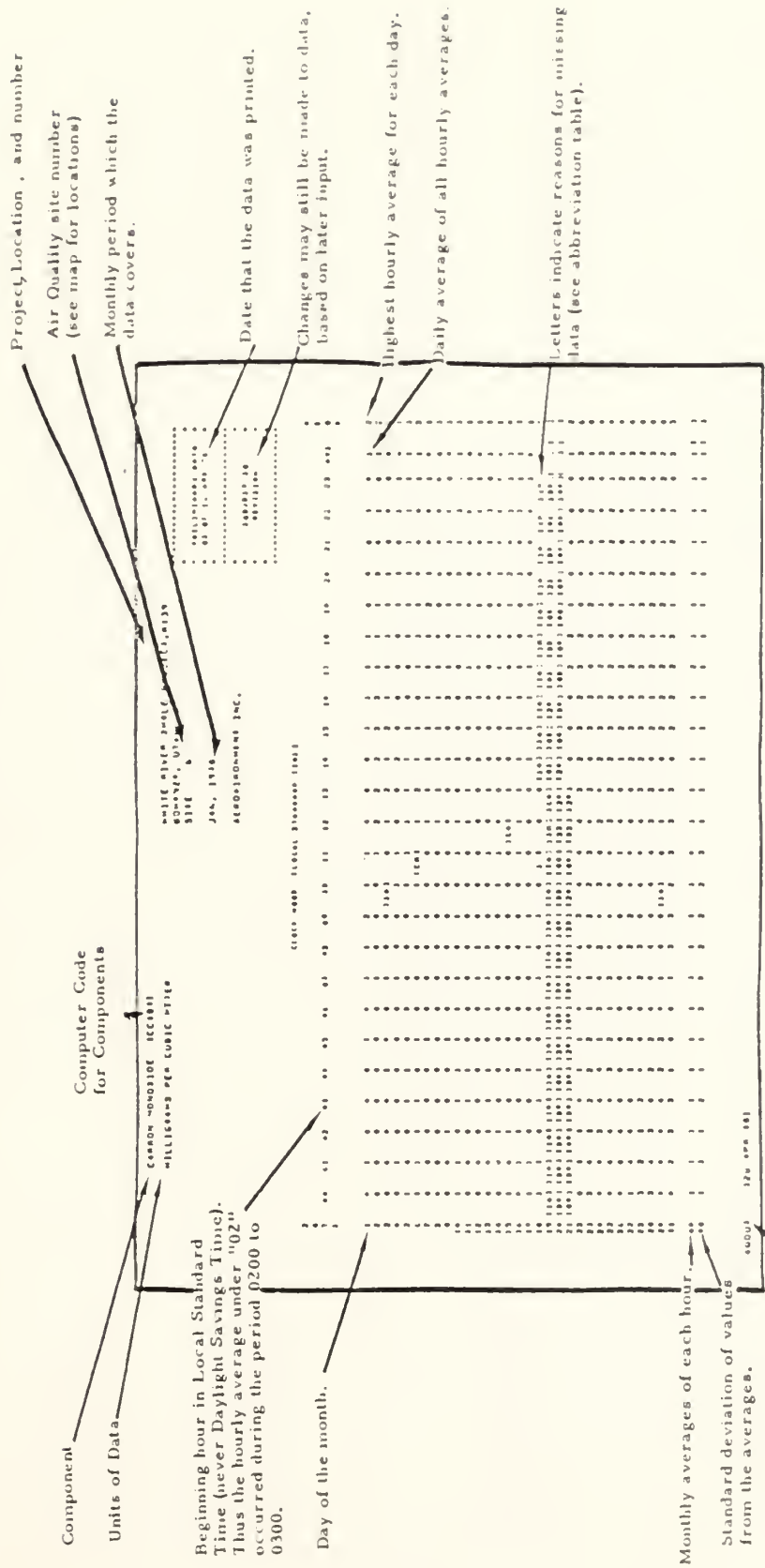
CA	Calibration
MT	Maintenance (changing paper, tape, filters)
FO	Flame Out (on the gas chromatographs)
IM	Instrument Malfunction (not discovered until after data has been collected)
PF	Power Failure (generator failure)
RF	Recording System Failure (chart jams, runs out, tape punch fails)
LI	Local Interference
OS	Off Scale (at top of chart, data presumed good)
SE	Special Experiment (instrument off-line for bag sample analysis or removed for special measurements in area)
VA	Variable wind direction
OR	Out for Repair (instrument problem has been recognized and the instrument is no longer sampling while being repaired)
IN	Interference (acts of nature)
OE	Operator Error

UTAH WHITE RIVER SHALE PROJECT
Instrument Lower Detection Limit, Data Precision,
and Lower Limit of Data Validity

Parameter	Instrument	Instrument Lower Detection Limit	Data Precision	Lower Limit of Data Validity
SO ₂	Teco Model 43	25 µg/m ³	8 µg/m ³	25 µg/m ³
NO	Monitor Labs 8440 E	5 µg/m ³	6 µg/m ³	6 µg/m ³
NO _x	Monitor Labs 8440 E	5 µg/m ³	6 µg/m ³	6 µg/m ³
NO ₂	NO _x - NO	5 µg/m ³	12 µg/m ³	12 µg/m ³
O ₃	Monitor Labs 8410 E	2 µg/m ³	6 µg/m ³	6 µg/m ³
CO	Monitor Labs 8310	0.1 mg/m ³	0.1 mg/m ³	0.1 mg/m ³
TSP	GMWC-2000H	0.5 µg/m ³	+6% of load or 1 µg/m ³	1 µg/m ³
Wind Speed	MRI-1022 (Sites 4,6)	2 mph	0.5 mph	2 mph
	MRI-1071 (Sites 11,13)	2 mph	0.5 mph	2 mph
Wind Direction	MRI-1022 (Sites 4,6)	N/A	5°	N/A
	MRI-1071 (Sites 11,13)	N/A	5°	N/A
Sigma Theta*	MRI-1022 w/ sigma processor	0.5°	1°	1°
Sigma W	R.M. Young 27100 w/AV sigma processor	0.05 m/s	0.05 m/s	0.05 m/s
Temperature	MRI-840-1 (Sites 4,6)	-30°C	1°C	-30°C
	MRI-1071 (Sites 11,13)	-34°C	1°C	-34°C
Delta Temperature	MRI-840	N/A	0.2°C	N/A
Barometric Pressure	Science Associates No.370	600 mm Hg	.5 mm Hg	600 mm Hg
Net Solar Radiation	Frietchen net radiometer	-0.40 Ly/min	0.05 Ly/min	-0.40 Ly/min
Relative Humidity	Weathermeasure H321-S	0%	5%	5%

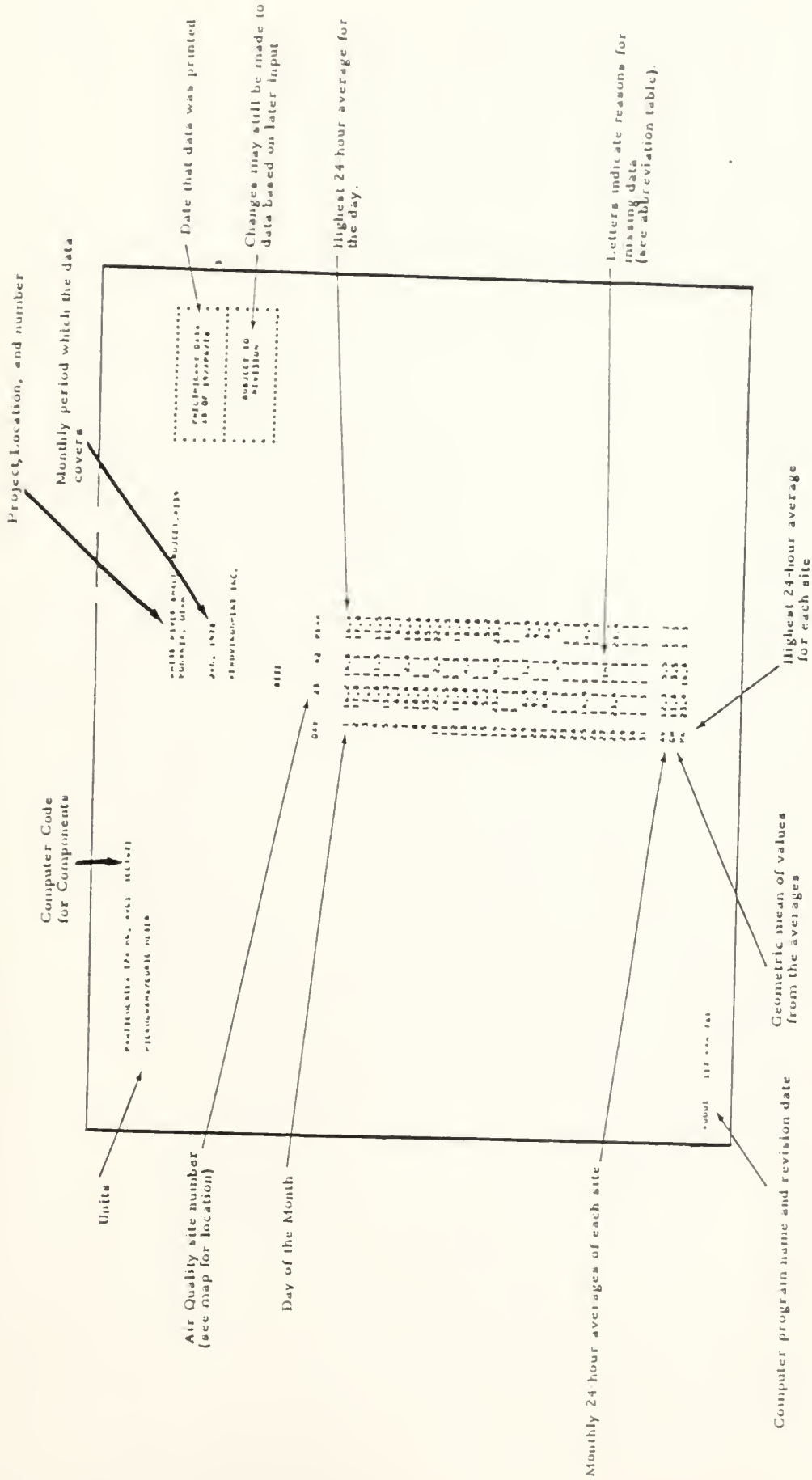
* Five minute sampling time.

MONTHLY COMPONENT SHEET KEY



Computer program name and revision date

MONTHLY PARTICULATES SHEET KEY



SITE 4

WIND SPEED [CC101]

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139
BONANZA, UTAH
SITE 4

JAN, 1980

AEROPHORMENT INC.

.....
* FINAL DATA *
* AS OF 11/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9	12.0	10.0	8.0	7.5	7.0	5.5	6.0	9.0	7.0	12.5	13.5	13.5	13.0	12.0	10.5	9.5	5.0	12.0	9.5	9.5	11.0	11.0	12.0	12.5	12.5	12.5
10	12.0	12.0	14.5	13.5	12.0	10.5	10.0	13.5	17.5	17.0	15.5	17.5	18.5	21.5	20.0	22.5	18.5	17.0	21.0	18.5	20.0	15.5	6.0	6.0	15.5	22.5
11	4.5	9.0	10.5	11.0	10.0	7.5	6.0	5.5	4.5	4.5	4.5	4.5	3.5	2.5	3.0	3.5	3.5	3.5	5.0	3.0	2.5	4.0	3.5	3.5	5.0	11.0
12	4.5	4.0	3.0	3.0	4.0	5.5	8.0	5.5	3.5	4.5	4.5	4.5	2.5	3.0	3.5	3.5	4.0	5.0	4.0	4.5	3.5	5.5	6.0	5.5	4.5	4.0
13	5.5	6.5	4.5	3.0	3.0	3.0	3.5	6.0	4.5	3.0	3.0	4.0	4.0	4.0	4.0	6.0	10.0	6.5	7.5	9.0	9.0	10.0	9.5	6.5	6.0	10.0
14	10.0	12.5	13.0	13.5	16.0	12.0	12.5	10.5	18.0	12.0	9.5	6.0	9.0	6.5	7.5	3.5	4.0	3.0	3.5	2.5	4.5	4.0	3.0	4.5	4.5	18.0
15	3.0	5.0	2.5	4.5	6.0	7.5	7.0	4.5	3.0	3.5	3.0	3.5	5.0	5.0	4.5	4.0	3.5	2.5	3.5	2.5	7.5	4.0	3.0	2.0	4.0	7.5
16	2.0	3.0	2.0	2.0	3.0	3.5	4.5	5.5	3.0	3.0	3.0	2.5	3.5	4.0	5.0	4.5	4.0	3.0	4.0	3.0	3.5	2.5	3.0	3.0	3.5	5.5
17	3.5	4.5	4.5	5.0	3.0	2.5	3.0	2.5	3.0	3.0	6.0	5.0	6.0	7.5	3.5	3.0	4.0	3.5	2.5	2.0	3.5	2.5	3.0	2.0	4.0	4.0
18	1.5	2.5	4.0	3.0	3.0	3.0	2.5	3.5	3.0	3.5	3.0	3.5	3.0	4.0	4.5	4.5	6.0	4.5	3.0	7.5	14.5	13.5	9.5	5.0	14.5	
19	7.5	11.0	15.0	15.5	16.5	17.0	13.5	14.0	12.0	15.0	12.5	12.0	9.5	10.0	8.0	4.0	4.0	3.0	5.0	5.5	11.5	9.0	5.5	5.0	10.5	17.0
20	5.5	7.5	6.0	3.0	6.5	7.5	7.0	5.0	5.0	3.0	4.0	6.0	4.5	5.5	5.0	4.5	5.0	4.0	4.0	5.0	4.5	3.0	2.0	2.5	5.0	7.5
21	2.5	2.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	4.5	3.5	3.0	3.0	3.0	4.0	4.5	5.0	6.0	6.5	6.5	6.0	7.5	6.5	5.5	4.0	7.5
22	3.5	3.5	4.0	5.0	4.5	3.5	4.0	5.5	6.5	5.0	4.0	3.0	4.0	5.0	4.0	3.5	2.5	3.0	2.0	2.5	6.0	5.0	3.5	6.0	4.0	6.5
23	4.5	3.0	4.0	3.0	3.0	3.5	3.5	4.0	3.5	3.5	3.0	4.0	6.5	6.0	5.0	4.0	4.5	5.0	4.5	3.5	3.0	4.5	4.0	3.0	4.0	4.5
24	3.0	2.0	2.5	3.5	2.0	2.5	2.5	2.0	3.0	3.0	2.5	3.5	3.5	3.0	3.5	3.5	3.5	4.0	4.0	3.0	3.0	2.5	2.5	2.5	3.0	4.0
25	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	2.5	2.0	2.5	4.0	3.5	6.0	4.5	4.5	3.0	3.5	6.5	6.5	4.0	4.0	4.0	4.5
26	2.5	4.0	5.0	5.0	3.5	3.5	5.5	3.0	2.5	3.5	4.5	5.5	5.5	5.5	4.5	4.5	5.0	5.5	4.5	3.5	3.5	2.0	4.0	2.5	4.0	5.5
27	3.0	4.0	3.5	4.0	3.5	1.5	1.0	5.0	4.0	3.5	4.0	3.5	4.0	3.5	4.0	3.5	3.0	3.5	5.0	2.0	6.5	5.0	3.0	5.0	3.5	6.5
28	4.0	3.0	3.0	1.5	3.5	3.5	4.5	3.0	2.5	3.5	1.5	2.5	2.0	2.0	2.5	2.5	2.5	1.5	2.5	2.0	2.5	3.5	1.5	1.0	2.5	4.5
29	1.5	2.0	2.0	3.0	3.5	2.0	1.0	1.5	2.0	2.0	3.5	4.0	4.0	5.5	3.5	9.5	12.5	5.0	3.5	3.5	2.0	12.5	6.0	4.5	12.5	
30	4.0	4.5	3.5	3.0	3.0	4.0	4.5	4.0	4.5	4.5	3.5	3.5	3.5	3.5	5.5	2.0	2.5	2.0	2.5	4.5	1.5	2.5	2.0	2.5	3.5	5.5
31	2.5	3.5	2.5	3.0	5.0	7.0	2.5	3.0	2.5	3.5	3.0	3.5	4.5	3.0	3.5	3.5	3.5	3.0	3.5	5.0	4.5	2.5	5.5	2.5	3.5	7.0
AV	4.5	5.5	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.0	5.0	5.0	6.5	6.0	5.5	5.0	5.5	5.5
SD	3.0	3.5	4.0	4.0	4.0	3.5	3.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	4.0	3.5	4.0	4.5	4.0	3.5	3.0	3.0	3.0

WIND SPEED (CC1011

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITF HIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 4

FEB, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4.0	6.5	4.5	4.0	3.0	3.5	4.0	4.5	3.0	3.0	3.0	4.0	5.0	6.0	6.0	6.0	4.5	4.0	6.5	4.0	3.0	3.5	4.5	4.5	3.0	4.5	6.5
2	3.5	4.5	3.5	3.5	4.5	4.5	3.0	2.5	3.0	3.0	4.5	6.0	3.5	3.0	4.0	4.0	5.0	3.5	4.5	3.5	3.5	4.0	4.0	2.5	4.0	6.0	
3	4.5	4.0	4.0	5.5	3.0	4.0	2.5	3.0	2.5	5.5	5.5	3.5	3.5	3.5	3.5	4.0	3.5	4.5	4.5	5.5	4.5	4.5	4.0	3.0	4.0	5.5	
4	2.5	7.0	3.5	5.0	5.0	3.0	3.0	4.0	3.5	3.5	3.0	3.5	5.0	5.5	5.0	2.5	3.0	4.0	3.0	3.5	4.0	3.5	4.5	3.0	4.0	7.0	
5	3.0	4.0	3.0	4.5	4.0	3.5	4.0	3.0	1.5	3.5	2.5	3.5	4.5	4.5	3.5	4.0	4.5	4.0	4.5	4.0	3.5	3.5	5.5	5.0	4.0	5.5	
6	4.0	4.0	3.0	3.0	3.5	4.0	2.5	2.0	2.5	4.5	4.5	4.5	3.5	3.5	3.5	6.0	5.0	3.0	5.0	4.0	3.5	3.0	3.5	4.5	3.5	6.0	
7	6.5	3.0	3.0	4.0	4.0	3.0	1.5	2.5	3.5	3.0	5.0	5.0	4.5	4.0	10.5	15.0	14.5	16.5	10.0	11.5	8.0	6.0	6.5	6.5	6.5	7.0	10.5
8	6.5	6.0	6.5	5.5	4.0	6.5	4.5	7.5	6.0	3.0	4.0	5.5	5.5	5.5	7.5	7.0	6.0	2.5	2.0	5.0	6.0	4.5	9.5	6.5	7.0	9.5	
9	4.5	4.0	3.5	3.5	3.0	4.0	5.5	4.5	2.5	2.5	2.5	3.5	4.5	4.5	3.0	4.0	5.5	5.0	4.0	3.0	2.5	2.5	2.0	3.0	4.0	4.0	
10	3.0	4.0	4.5	2.5	3.0	2.5	2.5	4.0	3.5	3.0	3.5	3.5	3.0	4.0	6.0	5.5	5.5	4.0	3.5	3.0	3.5	2.5	2.0	2.5	4.5	6.0	
11	2.5	3.0	2.0	2.0	2.5	2.0	2.5	4.0	2.5	2.5	3.0	5.0	3.0	3.0	6.0	5.0	5.0	3.0	2.5	4.5	3.0	2.5	2.0	2.5	2.0	3.0	6.0
12	2.0	2.5	2.5	2.0	3.5	2.0	3.0	4.5	1.5	2.5	3.0	3.0	3.0	3.0	4.5	4.5	5.0	3.0	3.0	3.0	3.5	2.5	2.5	2.0	3.0	5.0	
13	3.5	4.0	4.0	2.0	2.5	3.0	3.0	3.0	4.0	2.5	3.0	3.5	3.5	3.5	3.5	3.0	4.0	2.5	3.5	3.0	3.0	3.5	4.5	3.5	4.5	4.5	
14	3.5	4.5	3.0	3.0	2.5	4.0	4.5	3.5	5.0	3.0	3.0	4.0	5.0	5.0	4.0	3.0	3.5	5.5	3.5	5.5	3.5	4.5	6.0	2.5	4.0	6.0	
15	4.0	3.0	3.0	4.5	3.5	3.5	2.0	2.0	5.0	2.0	2.5	3.5	4.0	3.0	3.0	4.0	6.5	6.5	3.5	3.5	4.0	2.5	2.5	3.5	3.5	6.5	
16	3.0	3.5	4.5	3.5	2.5	3.5	3.5	4.0	5.0	3.5	2.5	3.5	4.0	3.0	3.5	2.5	4.5	3.0	2.0	2.5	3.5	3.0	2.5	2.5	3.5	5.0	
17	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	2.0	1.5	2.0	2.5	5.5	5.5	4.0	4.5	4.0	4.0	4.0	2.5	2.0	4.0	4.0	3.0	3.0	5.5	
18	8.0	9.0	7.5	7.5	9.0	9.0	11.0	6.0	4.5	3.5	6.0	9.0	10.0	9.5	9.5	10.0	7.5	6.5	6.5	10.0	6.5	6.5	6.5	6.5	6.5	7.5	11.5
19	7.0	10.0	14.5	9.5	9.0	6.0	3.5	4.5	8.5	11.0	9.5	7.5	9.0	11.5	5.5	5.5	9.5	9.5	6.5	6.5	4.5	4.5	5.5	5.5	5.5	7.5	14.5
20	3.5	4.0	7.5	8.5	8.5	8.0	7.0	6.5	8.5	10.0	10.5	6.5	5.0	9.5	9.0	7.5	9.0	4.5	2.5	4.0	6.5	6.5	6.5	6.0	6.0	7.0	10.5
21	8.0	4.5	2.5	5.5	5.5	4.0	8.0	9.5	7.0	8.5	7.5	6.5	6.0	8.5	7.0	7.5	6.5	6.0	4.5	4.5	4.0	4.0	4.0	4.0	4.0	6.0	9.5
22	3.0	4.5	5.0	5.5	6.5	4.0	4.0	5.5	3.5	7.5	9.5	11.0	10.5	10.0	10.0	9.0	4.5	2.5	2.5	2.5	5.5	4.5	11.0	3.5	6.5	11.0	
23	4.5	5.0	3.5	10.0	8.0	2.5	4.0	7.0	7.0	4.0	9.0	14.0	12.5	7.5	5.5	5.0	5.5	7.5	8.5	9.0	10.0	7.0	6.0	7.5	7.5	14.0	
24	4.5	5.5	5.0	3.5	6.0	7.0	3.0	2.5	2.0	4.0	5.5	5.5	6.5	6.5	6.0	5.0	5.5	2.5	2.5	2.5	2.5	5.0	6.0	3.5	4.5	7.0	
25	3.5	3.0	2.5	2.0	2.5	3.5	3.5	2.0	4.0	4.0	6.5	5.0	4.5	4.5	5.0	4.5	4.5	7.0	5.0	4.5	3.5	5.0	3.5	3.5	4.5	7.0	
26	2.5	4.0	3.5	7.0	4.0	5.5	3.0	5.0	5.0	4.0	7.0	4.5	4.0	4.0	6.5	5.5	2.5	3.5	4.0	3.5	2.5	3.0	2.5	3.5	4.0	7.0	
27	2.5	2.0	6.5	6.0	2.5	2.0	3.5	3.0	4.0	3.5	3.5	4.5	4.5	5.5	6.5	5.0	5.0	6.0	6.0	4.5	3.0	3.0	3.0	2.0	4.0	6.5	
28	2.5	2.5	3.5	6.0	7.0	4.5	7.0	4.5	4.0	5.5	6.5	6.0	6.5	6.0	6.5	3.5	4.5	2.5	3.0	11.0	14.0	7.5	7.0	7.0	6.0	14.0	
29	13.0	9.0	6.0	5.5	5.5	4.0	3.0	4.5	6.5	5.0	10.5	4.0	5.0	5.0	4.5	6.0	6.5	7.0	5.5	6.5	7.0	11.0	9.5	6.5	7.0	13.0	
AV	4.5	4.5	4.5	5.0	4.5	4.0	4.0	4.5	4.0	4.0	5.0	5.5	5.5	5.5	6.0	5.5	5.5	5.0	4.5	4.5	4.5	4.5	5.0	4.0	5.0	1.1	
50	2.5	2.0	2.5	2.5	2.0	1.5	2.0	2.0	2.0	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.0	2.5	1.5	1.1

WHITF RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 4
 MAR, 1960
 AEROVIRONMENT INC.

WIND SPEED (CC1011
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	7.5	8.0	9.0	6.5	6.5	6.5	8.0	4.0	5.0	8.0	10.0	8.5	8.0	7.0	6.0	6.5	5.0	3.5	2.5	2.0	3.0	8.0	8.0	8.0	6.0	10.0
2	4.0	5.0	6.0	3.5	4.0	4.0	3.0	2.5	3.0	2.5	3.0	3.5	4.0	6.5	8.0	6.5	5.5	6.5	3.5	5.0	3.5	2.0	2.0	2.5	4.0	8.0
3	3.0	4.0	2.5	4.0	5.0	3.5	3.0	5.0	3.5	4.0	6.0	8.5	11.0	13.5	11.0	12.5	17.0	5.5	5.0	5.5	8.5	10.5	10.5	10.5	7.0	17.0
4	13.0	12.0	7.5	9.5	7.5	3.0	5.5	4.0	2.0	3.5	7.5	7.5	11.0	11.0	12.5	15.5	15.5	13.0	13.0	10.5	10.5	13.0	10.5	5.0	9.5	15.5
5	7.0	8.0	9.5	9.0	9.0	10.5	10.0	8.0	6.5	11.5	11.5	9.5	12.5	12.0	10.0	9.0	9.5	9.0	7.5	10.5	10.5	10.5	8.0	7.5	9.5	12.5
6	8.5	6.0	6.0	17.0	15.0	8.0	8.5	8.0	6.5	5.0	3.5	7.0	4.5	4.5	3.5	6.0	5.5	3.0	3.0	3.0	2.5	2.5	2.5	4.0	6.0	17.0
7	2.5	1.5	1.0	1.0	1.0	1.5	1.0	1.0	2.5	4.0	6.5	10.0	11.0	9.0	6.0	7.0	6.0	4.5	3.0	4.0	2.5	3.5	5.0	9.0	4.5	11.0
8	8.5	9.5	10.0	7.0	3.0	4.5	2.5	3.0	4.5	6.5	10.0	11.0	12.5	12.0	13.5	12.0	9.0	8.5	7.0	6.5	7.5	9.5	9.5	8.0	13.5	8.0
9	7.5	5.5	7.5	4.0	7.5	9.5	7.0	6.5	5.0	7.5	10.0	10.5	11.5	15.0	12.5	14.5	14.0	12.5	7.5	6.0	7.5	7.5	7.5	7.5	9.0	15.0
10	8.5	8.0	7.0	6.0	9.0	10.5	10.0	6.5	4.0	5.0	4.5	7.0	7.0	5.5	5.5	5.0	4.0	6.5	6.5	6.0	4.5	7.5	9.0	9.0	6.5	10.5
11	5.0	3.5	6.0	3.5	2.5	2.5	2.5	3.0	2.5	3.0	4.5	5.0	4.0	4.5	6.0	7.5	8.0	4.0	9.5	9.0	9.0	12.0	9.5	9.0	6.0	12.0
12	9.5	10.0	18.5	20.5	21.0	21.5	21.0	20.0	17.5	15.0	18.5	18.0	17.0	17.5	14.0	14.0	12.5	12.0	10.0	8.5	3.5	3.5	6.0	7.5	14.0	21.5
13	11.0	8.5	4.5	4.0	6.5	4.5	2.0	2.0	5.0	4.5	5.0	5.0	6.0	4.5	7.5	7.0	6.0	5.5	8.5	10.0	10.5	10.0	11.0	10.0	6.5	11.0
14	3.5	3.0	3.0	3.0	5.0	3.5	4.5	3.5	3.0	5.5	8.0	12.0	15.0	12.5	15.0	12.0	12.0	10.5	9.0	11.0	9.5	5.5	5.5	8.0	6.5	11.0
15	10.5	11.0	11.0	12.0	10.0	8.0	9.0	10.0	6.5	3.5	8.0	12.0	15.0	12.5	15.0	12.0	12.0	10.0	8.5	4.5	4.0	6.0	18.0	15.5	10.5	14.0
16	15.0	17.0	17.0	17.5	9.0	11.5	5.0	8.0	7.5	10.0	12.5	10.5	11.0	11.0	10.5	11.5	12.5	12.0	8.5	4.5	4.0	6.0	18.0	15.5	10.5	14.0
17	5.0	6.0	3.5	7.0	8.0	8.0	10.0	4.5	3.5	6.0	5.0	7.5	7.5	8.0	7.0	7.5	8.0	10.0	8.5	9.0	9.0	9.5	6.5	6.5	7.0	10.0
18	5.0	5.0	5.5	8.0	5.0	3.0	4.0	4.0	4.0	4.0	6.0	8.5	9.0	7.5	8.5	9.0	8.0	6.5	2.5	1.5	2.0	6.5	8.0	6.5	5.5	9.0
19	3.5	3.0	2.5	3.5	4.0	3.5	9.5	6.5	4.5	8.5	7.5	12.0	14.5	12.0	13.5	13.5	15.0	14.0	11.0	8.5	4.5	3.5	3.5	4.0	8.0	15.0
20	4.5	6.0	6.0	4.5	3.5	4.0	4.0	6.0	4.0	4.0	5.5	6.5	6.0	7.5	8.0	6.0	7.0	9.0	9.5	10.0	9.5	7.5	5.5	6.0	6.5	10.0
21	4.5	6.5	5.5	5.0	6.5	5.5	6.5	3.5	7.5	12.5	12.5	14.5	13.0	14.0	16.0	19.5	14.0	9.0	5.5	3.0	6.5	9.0	7.5	9.0	19.5	9.0
22	8.5	7.5	6.0	1.5	1.0	3.0	5.5	3.0	5.0	5.0	5.0	13.5	17.0	17.5	15.0	17.0	16.5	11.5	11.0	6.5	4.0	4.5	5.0	5.5	8.0	17.5
23	7.0	4.5	5.5	5.0	3.0	2.5	3.0	4.5	3.5	6.5	8.5	7.0	6.0	6.5	7.5	5.5	5.0	4.0	3.5	4.0	6.0	7.0	5.0	3.5	5.0	8.5
24	5.0	4.0	8.0	5.5	3.0	5.5	4.5	3.5	4.0	6.5	6.0	8.5	9.0	11.0	9.0	10.0	7.5	8.5	7.0	12.5	4.0	1.0	1.0	1.0	6.0	12.5
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	3.0	2.5	3.0	3.5	4.0	5.0	7.5	8.5	8.0	4.5	6.5	7.5	9.5	10.5	4.0	10.5
27	10.0	8.5	4.5	6.0	4.0	5.0	4.5	7.0	4.0	4.0	4.5	4.5	6.0	7.5	7.5	8.0	15.5	13.0	8.5	5.5	7.0	5.0	4.0	7.0	15.5	4.0
28	3.5	2.5	3.5	4.0	3.5	3.0	3.0	3.5	4.5	4.0	10.5	12.0	14.5	15.0	16.0	13.5	14.0	13.0	8.5	6.5	5.0	6.0	3.5	4.0	7.5	16.0
29	5.0	4.0	2.0	2.5	4.0	4.5	6.0	2.5	4.0	3.5	5.5	6.0	7.0	5.5	5.5	5.0	6.0	4.0	4.0	6.0	6.5	7.5	5.0	3.0	5.0	7.5
30	4.5	10.5	9.5	6.5	4.5	6.0	2.5	5.0	4.0	3.5	6.5	10.0	14.5	18.5	15.5	17.0	11.0	6.5	8.0	9.0	7.0	6.5	4.5	6.5	8.0	18.5
31	3.0	5.0	6.5	6.0	4.5	8.0	6.5	5.0	3.0	5.0	5.0	4.0	6.5	5.0	5.5	6.0	4.0	2.5	3.5	3.5	2.5	4.0	6.5	6.5	5.0	8.0
AV	6.5	6.5	6.5	6.5	5.5	5.5	5.5	5.0	4.5	5.5	7.0	8.5	9.0	9.5	9.5	10.0	8.5	7.0	6.5	6.0	6.0	6.5	6.5	6.5	7.0	11
SD	3.5	3.5	4.0	4.5	4.0	4.0	4.0	3.5	3.0	3.0	3.5	3.5	4.0	4.5	3.5	4.0	4.5	4.0	3.5	3.0	3.0	3.0	3.0	3.0	2.5	11

WIND SPEED (CC801)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 4

APR. 1980

AEROVIRNMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6.5	6.0	5.5	5.0	3.5	3.5	2.5	3.0	5.0	5.5	8.0	6.5	3.5	6.0	5.5	6.5	4.5	3.5	3.5	6.0	11.0	14.5	7.5	12.0	6.0	14.5
2	11.5	11.0	4.5	4.5	5.5	7.0	6.5	6.5	7.5	6.5	8.5	8.5	8.5	7.0	7.5	6.0	7.0	4.5	4.0	3.5	3.0	4.5	3.0	3.5	6.5	11.5
3	3.0	10.0	9.5	7.0	4.5	5.5	6.0	4.5	4.5	5.5	5.0	5.0	5.0	5.0	7.0	5.0	4.0	6.0	8.0	3.0	5.5	7.5	6.0	5.5	6.0	10.0
4	3.0	3.5	2.0	3.5	3.5	3.0	3.0	3.0	5.0	5.0	5.0	4.5	4.5	4.0	5.5	5.5	6.0	5.0	10.0	4.0	10.5	10.0	8.5	5.5	10.5	5.5
5	5.0	5.0	4.0	3.0	3.5	4.0	3.0	3.0	4.5	7.0	6.0	8.5	9.5	10.5	16.0	17.0	13.5	7.5	7.0	5.0	5.0	5.0	5.5	6.5	7.0	17.0
6	9.5	15.5	17.0	15.0	10.0	9.0	9.0	8.5	7.5	6.5	11.0	19.5	17.0	17.0	19.5	22.5	24.0	21.5	19.0	7.0	3.0	9.0	5.5	8.0	13.0	24.0
7	10.0	18.5	10.5	9.0	11.5	17.0	17.0	21.0	16.5	17.0	20.5	24.5	23.5	21.0	20.5	21.5	20.0	20.5	17.5	15.5	12.0	7.0	2.5	7.0	16.0	24.5
8	8.5	8.5	6.5	3.0	4.0	4.0	4.0	3.5	4.5	4.0	4.5	6.0	7.0	8.0	7.0	7.5	5.5	4.0	3.0	4.5	8.5	9.0	10.0	5.0	6.0	10.0
9	4.0	5.0	3.0	2.0	2.5	4.0	4.0	3.5	4.0	4.5	5.0	7.5	8.0	11.5	11.5	15.0	14.5	15.0	8.5	8.0	9.0	5.5	5.5	5.0	7.0	15.0
10	5.5	3.5	7.5	9.5	12.5	14.0	18.5	18.5	19.0	13.0	13.5	18.5	22.5	24.0	23.0	23.0	22.0	21.5	20.5	16.0	9.0	8.5	8.5	6.5	15.0	24.0
11	4.0	5.0	6.5	5.0	3.0	3.0	6.0	4.0	4.0	7.5	12.5	18.5	18.0	19.0	21.5	20.0	20.5	18.5	19.0	13.0	12.0	9.0	8.0	6.5	11.0	21.5
12	3.5	5.0	3.5	4.0	2.5	2.5	3.5	2.5	6.0	6.5	9.5	7.5	8.0	8.0	12.0	11.0	15.0	16.0	15.5	13.5	10.0	9.0	6.5	5.5	4.0	14.0
13	3.5	3.0	2.0	3.5	3.5	3.0	2.0	3.0	5.5	5.5	5.5	6.5	5.5	6.5	5.5	6.0	5.0	5.0	3.0	3.5	7.5	11.0	9.0	10.0	5.0	11.0
14	10.0	3.0	3.5	4.5	2.5	2.5	3.5	5.0	3.5	4.0	5.0	6.0	5.0	7.0	8.0	7.0	5.5	4.0	2.5	4.5	7.0	8.5	6.5	7.5	5.5	10.0
15	5.5	4.5	4.0	4.0	2.5	3.0	4.0	5.0	3.5	7.5	7.0	10.0	11.5	11.5	13.0	15.0	15.5	20.5	18.5	18.0	19.0	17.0	10.0	8.0	10.0	20.5
16	5.5	4.0	5.0	7.5	9.0	3.5	10.0	5.5	5.0	6.0	6.0	6.0	6.0	6.0	9.0	7.0	6.5	5.0	5.0	6.0	6.0	9.5	9.0	10.5	7.0	10.5
17	6.0	4.0	3.0	3.0	3.0	2.5	3.5	4.5	4.0	4.0	4.5	6.0	6.0	5.5	5.5	7.0	5.5	4.0	3.0	3.5	3.5	6.5	8.5	8.5	5.0	9.5
18	4.5	4.0	3.0	2.5	7.0	6.0	3.5	4.0	3.5	5.0	4.5	5.0	6.0	6.0	10.0	11.0	14.0	11.5	7.5	7.5	8.5	11.5	10.5	9.0	7.0	14.0
19	7.5	3.5	4.0	2.5	3.0	3.5	5.5	4.0	3.5	4.0	5.5	5.5	7.0	11.0	10.5	7.0	9.0	12.5	8.5	6.0	10.5	12.0	14.0	13.5	7.0	14.0
20	6.0	4.0	4.5	4.5	4.5	2.5	2.5	4.0	5.0	5.0	6.5	7.5	10.0	10.5	14.0	12.5	12.5	12.0	6.0	8.5	9.5	13.5	11.0	9.5	8.0	14.0
21	8.5	15.5	11.5	11.0	12.0	8.0	8.0	6.5	9.5	11.0	8.5	9.0	8.0	10.0	9.0	6.5	5.0	9.0	15.5	13.0	2.5	3.5	4.0	4.0	8.5	15.5
22	3.0	3.0	3.5	4.0	4.5	3.5	6.0	3.5	4.0	5.0	5.5	7.0	8.0	12.0	13.5	12.0	19.0	17.5	17.0	6.0	7.5	4.5	9.5	9.0	8.0	19.0
23	4.5	5.5	6.0	8.0	9.5	7.5	5.0	6.0	9.5	8.0	6.0	8.0	18.5	12.0	12.0	15.0	13.5	6.5	4.0	5.0	7.5	9.0	8.0	8.5	8.5	14.5
24	7.0	3.0	4.0	4.0	3.0	3.5	3.0	4.5	6.5	5.5	7.0	7.0	6.5	6.0	4.5	4.5	9.0	7.5	7.5	5.5	9.0	4.5	5.5	8.5	5.5	9.0
25	10.5	8.0	6.0	5.5	4.0	8.5	11.0	8.0	9.0	11.5	10.0	9.0	9.5	10.0	9.5	10.5	11.5	10.5	13.0	8.5	8.5	4.0	6.0	5.0	8.5	11.0
26	5.5	6.0	1.5	7.5	7.5	5.0	5.0	5.5	5.5	8.5	7.5	8.5	7.5	6.0	5.0	7.5	5.5	5.0	5.0	4.0	6.0	9.0	7.5	9.0	6.5	9.0
27	6.0	9.5	5.5	5.5	2.5	3.5	3.5	4.0	5.0	4.0	6.5	6.0	6.0	7.0	7.5	7.5	6.0	6.0	4.0	3.5	5.5	7.5	8.5	6.0	6.5	9.5
28	6.5	5.5	7.0	7.0	7.5	4.5	3.0	3.5	4.0	4.0	7.0	8.5	8.0	7.5	10.5	8.0	12.0	9.0	3.0	4.0	6.0	8.0	5.5	5.5	6.5	12.0
29	3.5	3.0	3.5	5.0	4.0	4.0	6.0	4.0	5.0	5.0	5.5	8.0	9.5	8.5	8.0	13.5	13.0	12.0	10.0	6.0	4.5	5.5	7.5	6.5	6.5	13.5
30	5.5	5.0	2.0	4.0	2.5	2.0	2.0	3.0	3.5	3.5	4.0	5.0	5.0	6.5	6.5	6.5	6.0	7.5	5.0	9.0	8.0	7.0	7.0	7.0	5.0	9.0
AV	6.5	6.5	5.5	5.5	5.5	5.5	5.5	5.5	6.0	6.5	7.5	9.0	9.5	10.0	10.5	11.0	11.0	10.5	9.0	7.5	8.0	8.5	7.5	7.5	7.5	1.1
SD	2.5	4.0	3.5	3.0	3.0	3.5	4.0	4.0	3.5	3.0	3.5	5.0	5.0	4.5	5.0	5.5	6.0	6.0	5.5	4.0	3.5	3.0	2.5	2.5	1.1	1.1

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 MAY, 1980
 AFROVIROMENT INC.

WIND SPEED ICC1011
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

 *
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	8.0	4.0	5.5	5.5	4.0	3.5	2.5	4.5	7.5	9.0	9.0	11.5	11.5	7.5	7.0	9.0	10.5	7.5	4.0	5.0	4.0	4.5	6.0	5.5	6.5	11.5
2	6.5	6.0	4.5	6.5	9.5	5.5	3.0	4.0	4.0	5.0	5.5	7.5	13.5	9.0	8.5	10.0	11.5	8.0	5.0	4.0	5.0	6.5	9.0	9.0	7.0	13.5
3	7.5	7.0	3.0	5.5	7.0	5.5	3.0	3.5	3.0	4.0	4.5	6.0	7.5	7.0	6.0	9.0	9.0	8.0	7.0	6.5	7.5	6.5	6.5	7.0	6.0	9.0
4	4.5	9.5	6.0	4.0	2.5	2.0	3.0	2.5	3.5	5.0	5.0	6.0	7.5	9.0	9.0	9.5	10.5	9.5	9.5	8.0	10.0	10.5	9.0	6.5	6.5	10.5
5	8.5	6.5	4.5	3.0	4.0	3.0	4.5	3.5	5.0	5.0	5.0	5.0	7.0	7.0	12.5	8.5	9.5	6.0	5.0	5.0	3.5	5.0	3.5	6.0	6.0	12.5
6	3.5	2.0	7.0	7.5	5.0	2.0	2.0	3.5	4.5	4.5	5.0	6.0	5.5	9.5	8.5	8.0	8.5	8.0	7.5	7.5	6.0	4.0	5.5	6.5	5.5	9.5
7	4.0	3.5	4.0	6.0	6.0	3.0	3.0	2.5	3.0	5.5	8.0	10.0	9.5	8.5	10.5	9.5	9.0	12.5	15.5	5.5	5.5	3.5	4.0	5.5	6.5	15.5
8	6.5	6.5	7.0	5.0	4.5	2.5	4.5	4.5	4.5	5.5	6.0	7.0	6.0	5.5	4.5	5.5	10.0	8.5	9.5	15.5	12.0	14.0	9.0	8.5	7.0	15.5
9	3.5	6.5	8.0	5.5	6.5	4.0	2.5	3.0	9.5	16.5	14.0	14.0	8.5	11.5	13.5	17.5	8.0	4.5	4.5	4.0	2.5	5.0	5.0	3.5	7.5	17.5
10	2.5	3.5	6.5	8.0	7.5	5.5	4.5	3.0	7.0	12.0	12.5	13.5	13.5	14.0	15.0	14.0	12.0	16.0	10.0	8.5	4.5	6.0	6.0	6.5	9.0	16.0
11	6.0	4.0	4.5	4.5	7.0	8.0	6.5	3.5	4.0	4.0	6.0	6.5	5.0	6.0	12.0	14.0	7.5	9.5	5.0	7.0	4.5	10.5	7.0	4.0	6.5	14.0
12	7.5	9.0	9.0	9.0	7.0	6.0	8.0	7.0	10.5	9.5	8.0	10.0	11.0	12.5	13.0	10.5	11.5	11.5	6.5	4.0	5.0	5.0	5.5	5.0	6.5	13.0
13	3.5	3.0	2.5	3.0	3.0	3.5	4.0	4.5	4.5	5.0	6.0	6.0	4.5	7.0	4.5	7.5	9.0	6.5	5.5	6.0	7.5	7.5	8.0	11.0	5.5	11.0
14	9.0	3.5	5.5	3.5	3.5	2.5	3.0	2.5	3.5	5.0	4.0	3.5	5.0	6.0	6.0	9.0	10.0	11.0	11.5	7.0	9.0	7.5	8.5	5.5	6.5	16.0
15	3.0	2.5	3.5	8.5	8.5	8.5	5.0	4.5	5.5	5.0	6.0	6.0	7.5	9.0	8.0	6.5	4.0	3.5	7.0	8.0	8.0	10.5	6.0	7.5	6.5	10.5
16	7.5	4.5	4.5	5.5	4.5	3.0	3.0	4.0	3.5	8.0	6.5	6.5	9.5	9.0	8.5	7.5	10.5	14.0	11.0	15.0	6.0	5.0	11.5	9.0	7.5	15.0
17	9.5	8.5	14.5	15.0	15.0	12.0	12.0	10.0	5.5	4.0	3.5	3.5	5.5	5.5	4.5	4.5	4.5	4.5	3.5	3.0	5.0	4.5	3.0	6.5	7.0	15.5
18	5.5	5.5	10.5	5.5	8.0	7.0	2.5	3.5	6.0	5.5	5.5	6.0	6.0	4.5	4.5	5.0	5.0	4.5	5.5	2.0	2.5	6.5	11.0	10.5	6.0	11.0
19	4.0	3.5	3.5	2.5	2.5	4.5	5.0	6.5	3.5	6.5	6.0	7.0	8.5	7.5	6.0	7.0	5.5	4.5	6.5	5.5	6.5	7.5	7.5	9.5	5.5	9.5
20	8.0	4.0	3.0	2.5	3.0	4.0	3.5	2.5	3.0	4.5	4.5	6.0	6.5	6.0	6.0	6.5	6.5	4.5	6.0	3.5	6.0	7.5	9.5	5.5	5.0	9.5
21	7.5	8.5	4.5	3.5	2.5	4.0	4.0	3.5	3.5	5.0	4.5	4.5	5.5	6.5	7.0	6.5	5.5	5.0	3.0	5.0	5.5	7.0	8.0	11.0	5.5	11.0
22	7.5	8.5	3.0	2.5	3.5	3.5	4.0	3.5	6.5	4.0	5.0	6.5	9.0	9.0	9.5	8.5	8.0	14.5	14.5	13.0	10.5	6.5	9.0	9.5	7.5	14.5
23	10.0	6.5	8.5	8.5	9.5	8.5	10.0	12.5	13.0	14.0	14.0	12.5	12.5	11.5	11.5	12.5	12.0	15.0	14.5	11.5	8.0	8.5	11.5	11.0	11.0	15.0
24	13.0	13.0	13.5	15.5	15.0	9.0	10.5	18.5	14.5	16.0	16.0	15.5	16.5	22.5	24.0	19.5	18.0	6.5	11.0	15.5	12.0	10.5	7.5	6.5	14.5	24.0
25	5.0	6.0	9.5	8.0	6.0	8.0	9.0	10.0	13.0	14.0	15.5	12.5	18.0	17.0	13.0	13.0	9.5	10.5	6.5	7.0	6.5	9.5	3.0	7.0	10.0	18.0
26	4.0	5.5	5.5	6.0	5.5	5.5	6.0	4.5	5.5	6.5	7.5	8.0	10.0	11.0	12.0	12.5	9.5	13.0	8.5	5.5	3.0	5.5	10.5	10.0	7.5	13.0
27	5.0	9.5	10.0	9.5	6.0	4.5	4.5	6.0	10.5	12.0	12.0	15.5	15.0	12.0	13.0	11.5	14.0	11.5	9.0	6.5	5.5	5.0	7.5	9.5	9.5	15.5
28	9.5	9.0	3.0	4.5	5.5	3.5	4.0	8.5	12.0	11.5	11.5	10.5	10.0	12.5	14.0	12.5	10.0	10.5	10.0	7.0	6.0	9.5	8.5	11.5	9.0	14.0
29	13.5	9.5	5.0	3.5	7.5	6.5	9.5	10.5	8.0	9.0	12.0	11.5	12.5	12.5	7.5	6.0	10.5	9.0	4.0	12.0	7.5	6.0	8.5	9.0	9.0	13.5
30	6.5	4.5	6.5	9.0	5.0	3.5	3.0	3.5	5.5	5.5	7.0	7.0	5.5	11.0	11.0	8.5	9.0	9.0	7.5	6.0	7.0	10.0	8.5	7.0	7.0	11.0
31	3.5	4.5	6.0	5.0	7.5	6.5	10.0	17.0	8.5	4.0	7.5	7.0	8.0	7.0	9.5	11.0	13.5	8.5	7.0	10.0	6.5	5.0	11.5	3.0	4.0	17.0
AV	6.5	6.0	6.0	6.0	6.5	5.0	5.0	6.0	6.5	7.5	8.0	8.5	9.0	9.0	10.0	10.0	9.5	9.0	8.0	7.5	6.5	7.0	7.5	7.5	7.5	11
SD	2.5	2.5	2.5	3.0	3.0	3.0	3.0	4.0	3.5	4.0	3.5	3.5	4.0	4.0	4.0	3.5	3.0	3.5	3.5	3.5	2.5	2.5	2.5	2.5	2.0	11

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE

4

JUN, 1960

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.0	5.0	7.5	7.5	10.0	7.5	7.5	5.5	5.5	7.5	7.5	8.0	11.0	8.0	13.0	9.5	9.0	7.5	8.0	8.5	6.5	5.0	11.5	2.0	7.5	11.5
2	3.5	7.0	5.5	4.5	4.5	9.0	10.5	9.5	5.0	5.5	6.5	6.0	11.0	11.0	13.0	11.5	14.5	12.0	11.0	8.5	7.5	7.0	8.5	6.5	6.5	14.5
3	7.5	6.5	9.5	7.5	9.0	10.0	6.5	7.5	11.0	12.5	13.5	13.5	14.0	15.5	13.0	12.5	12.0	9.0	6.5	7.5	7.5	8.5	9.5	9.5	10.0	15.5
4	8.0	9.5	10.5	9.0	10.0	9.0	8.0	9.0	12.5	14.5	13.5	14.0	13.0	15.5	17.0	17.0	15.5	13.5	9.5	9.0	10.0	7.5	6.5	6.5	11.5	17.0
5	5.5	9.0	4.5	5.5	6.0	7.5	8.0	7.0	5.5	7.0	11.0	12.0	12.0	12.0	16.0	16.5	14.0	13.5	10.0	9.0	9.5	10.0	9.5	9.0	10.0	16.5
6	8.5	8.5	5.5	8.0	9.5	9.5	11.0	11.5	15.5	18.0	17.0	20.5	19.5	17.0	19.0	17.0	19.5	20.5	18.5	16.5	8.5	9.0	4.5	5.5	13.5	20.5
7	5.0	7.0	6.5	5.5	4.5	6.5	5.5	4.0	5.0	6.0	7.5	6.5	6.0	6.5	8.0	8.0	6.5	6.0	5.5	3.5	4.0	6.5	7.5	9.5	6.0	9.5
8	12.5	6.0	3.5	4.0	2.0	2.0	3.5	4.5	5.0	5.5	5.5	5.5	6.0	7.0	6.0	9.0	6.5	6.5	7.0	5.0	5.0	7.0	7.0	6.5	5.5	12.5
9	3.0	3.0	1.5	3.0	5.0	6.0	4.5	3.5	4.5	5.5	5.5	6.5	6.5	7.5	7.0	6.0	7.0	7.0	5.5	5.0	6.0	7.5	9.0	9.5	5.5	9.5
10	13.5	6.0	3.0	3.0	4.0	5.5	4.0	3.0	4.5	4.5	5.0	8.0	10.5	11.5	11.0	10.5	9.0	9.5	10.0	6.0	9.5	10.0	11.5	12.5	7.5	13.5
11	10.5	10.0	9.5	8.0	8.0	10.0	10.5	12.5	11.0	11.5	10.5	6.0	5.5	3.5	2.0	2.5	6.0	9.5	11.0	13.0	13.5	12.0	12.5	17.0	9.5	17.0
12	16.5	17.0	13.0	8.5	9.5	12.0	10.0	9.5	10.5	12.0	11.5	13.0	11.0	9.0	8.5	9.0	11.5	15.5	12.5	14.0	12.5	13.5	14.0	14.0	12.0	17.0
13	14.5	13.0	12.5	11.0	9.0	8.5	6.5	2.5	4.5	5.0	8.0	13.0	13.0	12.5	12.5	13.0	13.5	11.5	12.0	10.5	10.0	12.0	12.0	10.0	10.5	14.5
14	9.0	9.5	10.0	10.5	11.5	8.5	7.0	7.5	11.5	13.5	17.0	15.5	18.0	15.0	17.0	17.5	17.0	16.0	19.0	15.0	20.0	15.5	12.0	9.5	13.5	20.0
15	4.5	4.5	3.5	6.5	8.0	8.0	7.0	6.0	5.5	6.5	6.0	13.0	10.5	12.0	11.5	12.5	12.0	11.5	11.0	8.0	6.0	8.5	5.0	4.0	8.0	13.0
16	5.5	7.5	4.0	4.0	2.0	1.5	3.0	5.5	6.5	5.5	5.5	7.5	7.0	9.0	8.5	9.0	8.5	6.0	4.0	2.5	6.0	9.5	11.5	10.0	6.0	11.5
17	10.5	6.0	3.0	2.5	3.5	3.5	3.5	3.5	4.0	4.5	4.5	5.5	7.5	7.5	8.0	9.0	7.0	4.5	2.5	2.5	4.0	4.5	9.0	11.0	5.5	11.0
18	9.5	7.0	4.5	2.5	3.0	3.0	3.5	3.5	4.5	6.0	7.5	9.5	7.0	6.0	8.0	8.0	8.5	10.5	10.5	7.0	7.5	11.0	3.5	4.5	6.5	11.0
19	4.5	4.0	3.5	4.5	10.5	11.0	10.5	9.5	5.5	6.5	4.5	7.0	8.5	11.5	14.0	14.0	12.0	5.5	4.0	3.0	5.5	8.5	8.5	7.0	7.5	14.0
20	5.5	3.5	5.0	5.5	4.0	2.5	3.5	4.5	5.0	5.5	5.5	6.0	5.0	9.5	11.0	9.5	8.0	8.0	7.0	8.5	9.5	10.5	9.5	10.0	7.0	11.0
21	6.0	10.0	5.5	3.5	5.5	3.5	4.5	3.5	5.0	6.0	7.5	10.5	11.5	16.0	15.5	15.5	16.0	15.5	11.5	5.5	6.0	4.0	7.5	5.0	6.5	16.0
22	3.5	4.0	3.5	4.0	3.5	3.5	5.0	3.5	5.0	4.5	6.5	7.5	8.0	10.5	10.0	12.5	10.0	9.5	8.0	7.5	9.5	9.5	10.0	11.5	7.0	12.5
23	11.5	11.0	9.5	10.0	11.0	8.5	7.5	11.0	13.0	13.5	12.5	13.5	16.5	15.5	17.5	18.5	17.0	15.0	13.5	9.0	8.5	9.0	4.5	2.5	11.5	18.5
24	6.5	8.5	8.0	8.5	7.5	3.0	3.5	3.5	4.0	4.5	6.0	12.0	13.0	12.0	13.0	12.5	11.5	11.0	13.0	8.5	8.0	9.5	10.5	3.5	8.5	13.0
25	4.5	5.0	9.5	5.0	6.0	3.5	4.0	2.0	3.5	9.0	9.5	11.0	11.5	10.0	11.0	11.5	12.5	12.5	10.0	10.0	9.0	9.5	9.0	11.0	8.5	12.5
26	11.0	10.0	10.5	8.0	3.5	7.5	8.0	6.0	11.5	12.0	13.0	13.0	14.5	14.5	17.0	17.0	16.5	13.5	9.0	8.0	9.5	8.5	9.5	11.0	17.0	17.0
27	12.0	16.0	15.5	10.5	12.0	12.5	12.0	10.0	7.0	6.0	5.5	10.0	12.5	17.5	16.5	13.5	17.0	17.0	13.0	9.0	7.0	4.0	6.0	11.5	17.5	17.0
28	4.5	8.5	10.0	9.0	9.5	7.5	7.5	4.0	6.5	4.0	5.0	6.0	7.5	8.5	10.0	6.0	6.5	5.5	3.5	4.5	7.0	9.0	8.5	6.0	7.0	10.0
29	7.5	3.5	3.5	5.0	9.0	10.0	9.0	6.0	5.0	7.0	7.0	11.0	14.0	9.5	10.0	14.0	15.5	17.0	9.0	3.5	6.0	5.5	6.0	5.5	4.5	17.0
30	3.0	4.5	5.0	3.0	2.5	5.0	6.0	6.0	6.0	13.0	10.0	14.0	8.5	7.0	5.5	6.5	7.0	7.5	5.5	4.0	17.0	5.0	13.5	4.0	7.0	17.0
AV	7.5	7.5	7.0	6.5	7.0	7.0	6.5	6.0	7.0	8.0	8.5	10.0	10.5	11.0	11.5	11.5	11.5	11.0	10.0	8.0	8.5	9.0	9.0	8.0	8.5	11.0
SD	3.5	3.5	3.5	2.5	3.0	3.0	2.5	3.0	3.5	4.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	2.5	3.0	3.5	3.5	2.5

WHITE RIVER SHALE PROJECT.M139
 BONANZA, UTAH
 SITE 4
 JUL, 1980
 AEROVIRONMENT INC.

WIND SPEED ICC1011
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

 * FINAL DATA *
 * AS OF 31/MAR/81 *
 * *****

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.5	4.5	7.0	10.0	7.5	3.5	3.0	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	[RF]	5.5	10.0
2	8.5	11.0	8.0	6.5	5.5	3.0	2.5	4.5	4.0	6.0	6.5	7.0	6.0	5.0	5.0	13.0	9.0	10.0	10.0	4.0	6.0	7.0	5.0	7.0	6.0	12.5	8.0
3	12.5	7.5	8.5	10.5	5.0	6.5	9.0	5.0	5.0	5.5	5.0	7.0	9.0	7.0	7.5	8.5	7.5	6.0	9.5	6.0	6.5	8.5	13.0	11.0	8.0	13.0	8.0
4	10.5	11.5	4.0	2.5	3.0	4.0	5.5	2.0	3.5	4.5	5.0	6.0	6.0	7.0	9.0	15.0	12.0	11.5	15.5	7.0	5.5	5.0	5.5	6.0	7.0	15.5	7.0
5	5.5	6.5	5.5	8.5	5.5	12.0	7.5	6.0	4.5	3.0	4.0	7.5	12.5	12.5	9.5	8.5	9.0	9.0	9.5	6.0	5.5	4.5	4.5	11.0	7.5	12.5	7.5
6	9.5	7.5	9.0	9.0	5.5	7.0	5.5	7.0	9.5	12.0	10.0	8.0	11.0	6.5	14.5	17.5	17.0	16.0	19.0	5.5	7.5	7.0	4.0	3.0	9.5	19.0	9.5
7	4.0	4.0	4.5	3.0	6.0	2.5	2.5	3.5	5.5	4.5	5.5	6.5	9.5	6.0	7.0	5.5	7.0	6.0	3.0	5.5	8.0	8.0	4.0	5.5	9.5	9.5	9.5
8	4.5	3.5	2.5	4.0	3.5	4.5	3.5	5.0	4.5	5.0	6.0	7.5	13.0	14.5	8.0	13.0	11.5	14.5	10.0	7.5	9.5	5.5	5.5	4.5	7.5	14.5	7.5
9	4.0	3.0	5.0	4.5	4.0	3.5	4.0	3.5	3.5	5.0	6.5	7.5	7.0	6.0	10.5	10.0	7.5	7.5	6.0	4.0	4.0	5.5	6.5	8.5	5.5	10.5	5.5
10	8.0	4.0	4.0	8.0	9.0	9.5	5.5	9.5	7.0	5.0	12.0	12.5	5.0	11.0	11.5	11.0	14.5	9.5	4.0	3.0	9.0	8.0	5.5	3.5	4.0	14.5	4.0
11	4.0	5.5	6.5	7.0	9.5	8.5	9.5	7.0	6.5	9.5	7.5	6.5	13.5	14.5	13.5	7.0	8.0	9.0	6.5	8.0	6.5	7.0	8.0	10.5	4.5	14.5	4.5
12	10.0	5.5	4.5	7.0	10.0	10.5	7.5	7.0	10.0	11.5	11.5	9.5	12.5	14.0	17.0	17.5	16.0	16.5	12.5	9.0	7.0	9.5	4.5	4.0	10.0	17.5	7.0
13	7.0	11.0	9.0	4.5	5.0	7.0	5.5	4.0	4.5	5.0	7.5	9.0	11.0	11.5	15.0	16.5	17.0	13.5	14.0	12.5	7.0	7.0	5.0	5.0	9.0	17.0	9.0
14	4.5	3.0	6.0	5.5	5.5	6.0	2.0	2.5	4.0	5.0	6.0	5.5	8.5	11.0	9.5	8.5	7.5	6.5	5.0	4.0	5.5	7.0	7.0	7.0	6.0	11.0	4.0
15	9.5	9.5	3.0	2.5	3.5	5.5	3.5	3.5	4.0	5.5	7.0	7.5	9.0	9.5	9.5	13.5	16.0	17.5	11.0	10.5	4.0	5.0	5.0	7.0	7.0	17.5	7.0
16	7.5	12.0	7.0	4.0	4.5	4.5	7.5	6.0	7.0	10.0	12.0	12.0	13.0	15.0	13.0	11.5	12.5	12.0	11.0	5.0	7.0	10.0	9.0	4.0	4.0	14.0	4.0
17	6.5	9.5	5.0	4.0	4.5	7.5	4.5	5.5	5.0	5.0	5.5	8.0	8.0	14.0	9.0	10.5	12.5	12.0	11.0	13.0	10.5	7.0	6.0	4.5	9.0	15.0	9.0
18	2.5	2.5	3.5	2.5	3.0	3.0	3.0	4.5	5.0	4.5	4.0	4.5	10.0	12.0	11.5	8.0	7.5	5.5	5.5	3.5	2.0	4.0	4.5	3.5	5.5	12.0	5.5
19	4.0	5.5	2.0	5.0	3.5	3.0	3.5	5.5	6.5	5.0	6.0	6.5	8.5	11.0	10.5	11.5	11.0	10.0	6.5	2.0	2.5	5.0	4.0	5.5	6.0	11.5	4.0
20	3.5	6.5	6.5	9.5	4.0	4.0	4.5	4.5	5.0	5.0	5.5	10.0	13.5	14.5	12.5	11.5	12.5	9.0	13.0	9.5	4.5	4.5	8.0	6.0	4.0	14.5	4.0
21	5.0	5.0	5.5	4.0	4.0	3.0	5.5	7.0	5.0	6.0	6.5	6.5	8.5	10.5	11.5	8.0	7.0	10.5	17.5	18.5	10.0	8.5	4.5	5.0	7.0	12.5	7.0
22	5.0	5.0	5.5	4.0	4.0	3.0	5.5	7.0	5.0	6.0	6.5	6.5	8.5	10.5	11.5	8.0	7.0	10.5	17.5	18.5	10.0	8.5	4.5	5.0	7.0	12.5	7.0
23	5.0	3.0	3.5	2.5	3.5	3.5	2.5	2.5	4.5	5.5	5.5	6.0	7.5	9.5	17.0	12.5	8.0	5.5	6.0	7.0	6.0	4.5	6.5	5.5	6.0	17.0	4.0
24	7.5	10.5	10.0	6.5	5.5	2.0	2.5	2.5	4.5	5.5	5.0	4.0	7.0	11.0	13.0	10.0	6.5	11.5	6.5	4.5	6.0	4.0	6.5	4.5	6.5	13.0	4.0
25	6.0	5.0	3.0	3.5	3.0	4.5	3.0	3.5	3.5	4.5	5.5	8.0	7.0	7.0	7.5	7.0	6.0	5.0	4.0	2.5	1.5	3.5	6.0	3.5	5.0	4.0	4.0
26	3.0	3.0	5.0	2.0	2.0	2.0	5.0	6.5	5.5	4.5	5.0	6.0	7.5	10.5	11.5	9.5	9.0	5.5	5.5	3.5	4.0	9.5	10.5	14.0	6.0	14.0	4.0
27	5.5	3.5	5.0	5.0	6.0	6.5	8.5	4.0	7.0	5.5	9.0	8.0	12.5	10.5	12.5	10.0	14.0	14.0	6.5	6.0	4.5	9.5	5.5	7.0	4.0	14.0	4.0
28	5.5	5.0	3.0	6.5	5.5	6.5	3.5	3.5	3.5	5.5	5.5	11.0	9.5	12.5	12.5	10.0	10.5	9.5	8.5	6.0	5.0	3.5	4.5	2.5	6.5	12.5	6.5
29	3.0	2.5	4.5	5.0	4.0	9.0	4.5	5.0	5.0	5.5	5.0	6.0	7.0	7.0	6.0	6.0	8.5	11.5	10.5	9.5	4.0	4.0	4.0	4.0	4.0	11.5	4.0
30	6.0	6.0	5.5	5.5	5.0	5.5	5.0	5.5	6.0	6.0	6.5	7.5	9.5	10.0	11.0	11.0	10.5	10.5	10.5	9.5	6.5	6.5	6.5	6.5	6.5	12.5	6.5
31	6.0	6.0	5.5	5.5	5.0	5.5	5.0	5.5	6.0	6.0	6.5	7.5	9.5	10.0	11.0	11.0	10.5	10.5	10.5	9.5	6.5	6.5	6.5	6.5	6.5	12.5	6.5
AV	6.0	6.0	5.5	5.5	5.0	5.5	5.0	5.5	6.0	6.5	7.5	9.5	10.0	11.0	11.0	10.5	10.5	10.0	9.5	6.5	6.5	7.0	6.5	6.5	7.0	11.5	7.0
SD	2.5	3.0	2.0	2.5	2.0	2.5	2.0	1.5	1.5	2.0	2.0	2.5	3.0	3.0	3.0	3.5	3.5	4.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	1.5	1.5

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 8 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

AUG, 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.0	3.5	3.0	5.0	9.5	10.5	7.0	3.5	7.0	4.0	5.5	7.0	8.0	12.0	10.5	8.0	10.0	12.0	6.0	5.5	6.5	9.0	7.5	7.0	7.5	12.0
2	7.5	4.5	4.0	3.5	5.0	2.5	3.5	3.0	4.5	5.0	5.5	8.0	14.0	13.0	14.0	11.0	9.0	11.0	14.0	10.5	6.5	10.0	5.5	3.0	7.5	14.0
3	5.5	5.5	6.0	7.0	5.5	6.0	7.0	4.0	3.0	4.0	6.0	12.5	22.0	21.0	22.0	22.5	22.5	22.0	21.0	15.5	12.5	16.0	12.0	12.0	12.5	22.5
4	9.0	8.0	5.5	5.5	6.5	5.5	4.0	4.5	6.0	7.5	11.0	14.0	12.5	14.5	14.0	11.5	15.5	16.0	15.0	13.0	9.5	9.5	5.0	4.0	9.5	14.0
5	5.0	8.5	5.0	4.5	5.5	3.5	3.5	3.5	6.0	6.0	7.0	7.5	8.5	6.5	5.5	11.5	10.0	15.5	11.5	8.0	7.0	9.5	11.0	9.5	7.5	16.0
6	8.5	11.5	11.0	6.0	6.0	5.5	4.0	5.5	6.5	10.0	9.0	11.0	13.5	18.5	17.0	15.5	13.0	11.0	6.5	7.5	10.0	10.0	5.5	10.0	18.5	
7	4.0	5.0	3.0	6.0	4.5	3.5	4.0	4.5	4.0	6.5	7.0	7.0	8.0	6.5	7.5	6.0	5.0	5.0	5.0	5.5	8.5	10.0	7.5	6.0	10.0	
8	7.0	8.5	4.5	3.5	5.0	5.0	5.5	4.5	4.0	5.5	5.0	6.0	10.5	16.0	17.5	13.5	12.0	7.0	7.5	3.5	5.5	6.0	10.0	6.0	7.5	17.5
9	6.5	7.0	7.5	4.0	7.0	10.5	7.5	7.5	9.5	12.5	11.5	9.5	16.0	13.5	13.5	17.0	16.5	13.0	8.5	4.0	3.0	3.0	10.0	7.0	9.5	17.0
10	8.5	3.0	3.0	3.0	6.0	4.0	3.5	5.5	4.0	4.0	4.5	10.0	12.0	12.0	13.0	15.5	15.5	15.0	15.0	11.5	8.0	6.5	5.0	7.0	8.0	15.5
11	7.0	4.5	4.5	3.5	3.0	3.0	2.5	3.0	6.5	6.0	4.0	5.5	6.0	6.5	6.5	6.0	7.0	7.0	4.0	3.0	4.5	10.5	11.5	12.5	6.0	12.5
12	11.5	11.0	6.0	7.0	3.5	4.0	4.0	4.0	7.0	11.0	9.5	10.5	11.5	10.0	7.0	15.0	11.0	11.0	7.0	11.0	8.0	11.5	8.0	7.5	7.0	11.0
13	7.5	3.5	5.0	9.0	8.0	8.5	5.5	4.0	3.5	5.0	7.0	6.5	10.0	8.5	10.5	7.0	11.0	10.0	9.5	8.5	7.0	9.0	7.5	7.0	6.5	15.0
14	8.0	7.0	5.0	4.0	3.5	6.5	4.0	4.5	5.5	5.5	5.5	8.5	9.0	10.0	9.0	7.5	9.5	12.0	16.5	14.5	6.0	5.5	6.0	5.5	6.0	14.5
15	8.0	6.0	6.5	6.5	8.5	9.0	7.5	4.5	5.5	8.5	8.5	6.0	8.5	9.5	11.5	15.5	15.5	15.0	7.5	8.5	11.5	10.5	9.5	5.5	9.0	15.5
16	3.5	3.0	6.0	5.0	8.5	3.0	6.5	9.0	4.5	6.5	8.5	9.0	8.5	7.0	11.5	9.0	8.0	7.5	5.5	5.0	8.0	5.5	8.0	5.5	7.0	11.5
17	7.5	7.0	8.0	5.0	3.5	3.5	3.0	3.5	4.0	3.5	4.5	5.0	6.0	6.5	8.0	6.5	8.5	6.0	11.0	9.0	7.0	6.0	7.0	6.0	6.0	11.0
18	6.5	5.5	3.0	4.0	3.5	3.5	3.0	3.0	8.0	12.5	15.0	12.0	13.5	13.0	17.0	14.5	15.5	15.0	11.0	8.5	11.0	10.0	9.0	9.5	9.5	17.0
19	10.5	9.0	10.5	10.5	10.5	9.0	10.0	11.0	16.0	18.5	17.0	18.5	19.5	16.5	20.5	12.0	8.5	20.5	10.5	7.0	9.5	11.5	7.0	5.0	17.5	20.5
20	3.0	5.5	6.0	5.0	3.5	4.0	5.0	5.0	6.0	5.5	5.5	7.5	8.5	8.5	9.5	7.0	6.0	5.0	5.5	5.0	5.5	5.5	5.0	5.5	6.0	9.5
21	3.0	4.5	11.0	3.0	4.0	4.0	2.5	3.0	3.5	5.0	4.5	6.0	5.5	6.5	7.5	8.5	5.5	5.5	4.5	6.5	5.0	6.5	9.0	11.5	6.0	11.5
22	9.0	7.0	7.0	4.0	3.0	2.5	2.5	2.5	4.0	5.0	4.5	4.5	12.0	13.0	14.5	12.5	13.5	15.0	13.0	8.5	7.5	8.0	8.5	9.0	4.0	15.0
23	7.0	7.5	9.5	8.5	8.5	7.5	5.0	4.5	10.0	10.5	11.5	10.5	9.5	9.0	9.5	14.0	8.0	11.0	10.0	11.0	10.5	10.5	11.5	8.5	9.5	14.0
24	6.5	4.0	4.5	6.0	7.0	9.0	7.0	5.5	7.0	8.0	8.0	7.0	8.0	7.5	7.5	6.0	5.5	6.5	8.0	8.0	3.0	8.0	9.0	10.0	7.0	10.0
25	7.0	3.0	6.0	9.0	8.5	6.5	4.5	5.5	5.0	6.5	6.5	18.0	9.0	6.5	6.5	9.0	10.5	7.0	4.5	4.0	4.0	6.5	7.5	7.0	7.0	18.0
26	4.5	5.5	4.0	2.5	3.5	6.5	9.5	7.5	4.5	3.5	4.5	4.0	3.5	4.0	5.5	10.5	11.5	5.5	10.0	8.5	4.0	5.0	7.5	10.0	6.0	11.5
27	7.0	5.0	6.5	2.0	3.0	3.0	2.5	4.0	5.0	3.5	4.0	5.0	5.0	8.0	14.5	14.5	14.5	14.5	5.0	8.5	4.5	9.5	10.5	12.5	6.5	14.5
28	12.5	12.5	7.0	4.0	4.0	5.0	4.0	3.5	4.0	4.0	6.0	13.0	15.5	17.0	16.0	15.0	18.5	11.5	8.5	11.0	11.5	10.5	8.5	9.0	9.5	17.0
29	9.5	11.0	9.5	11.5	11.0	11.0	13.5	12.0	9.5	10.0	11.5	10.5	10.5	11.0	11.5	13.0	10.5	13.0	10.0	9.5	9.5	11.0	11.0	11.0	11.0	13.5
30	10.5	7.0	7.0	5.5	7.5	8.0	10.5	7.5	5.5	6.0	6.0	7.0	8.0	6.5	7.5	17.0	17.5	19.0	19.5	16.5	10.0	7.0	6.0	5.0	9.5	19.5
31	4.0	3.5	2.5	4.5	5.5	4.0	2.5	2.5	3.0	3.5	4.0	4.0	7.5	9.5	10.0	8.5	11.0	8.0	3.5	3.0	4.0	5.5	6.0	5.0	5.0	11.0
AV	7.0	6.5	6.0	5.5	6.0	5.5	5.5	5.0	6.0	7.0	7.5	9.0	10.0	10.5	11.5	11.5	11.5	11.0	9.5	6.5	7.5	8.5	8.5	8.0	8.0	11.0
30	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.5	3.5	4.0	4.0	4.0	4.5	4.0	4.0	4.5	4.0	3.5	3.0	2.5	2.0	2.5	2.0	1.0

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE #4
 SEP, 1980
 AEROSYSTEMS INC.

WIND SPEED (CC1011)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.5	3.0	2.0	4.0	5.0	3.0	3.5	2.0	3.0	4.5	4.5	5.5	7.0	6.5	5.5	4.5	5.0	3.5	4.0	7.0	4.0	4.0	7.5	6.5	4.5	7.5
2	5.0	3.5	4.0	6.0	3.0	3.0	3.5	2.5	3.5	4.0	5.0	6.5	6.5	9.5	15.5	15.0	15.0	6.0	7.5	10.0	10.5	10.5	10.5	5.5	7.5	17.0
3	9.5	13.5	12.5	7.0	4.0	4.0	4.0	4.0	7.5	9.0	6.5	6.5	7.0	8.5	10.5	11.5	12.0	10.0	6.0	2.5	2.5	4.0	6.0	8.0	15.5	8.0
4	6.0	3.0	7.5	4.5	3.0	3.0	2.0	3.0	3.0	4.0	3.0	5.0	6.0	7.0	8.0	7.0	6.0	3.5	3.0	4.0	11.5	11.5	11.5	5.5	11.5	5.0
5	3.5	4.5	4.0	2.5	2.0	2.0	1.5	2.0	4.0	3.5	4.0	5.0	6.0	7.0	8.5	6.5	7.0	4.5	3.5	8.0	11.5	10.0	7.0	5.0	11.5	5.0
6	7.0	5.0	8.5	6.0	7.5	8.0	8.5	7.5	7.0	9.0	10.5	9.5	7.0	8.0	12.0	14.5	8.0	5.0	4.0	6.0	7.0	8.0	6.5	8.0	14.5	4.0
7	7.0	7.5	7.5	2.5	4.0	3.5	3.0	4.0	6.5	9.5	6.0	4.5	4.0	4.0	4.5	4.5	9.5	6.0	4.5	3.5	9.0	9.0	7.5	5.5	9.5	6.0
8	15.5	8.0	4.5	5.0	6.0	6.0	4.5	7.0	11.0	9.5	7.0	3.5	4.0	5.5	4.5	3.0	3.0	3.0	3.5	3.0	3.0	3.0	2.0	4.5	5.5	15.5
9	4.0	4.5	4.0	7.0	8.0	6.0	5.5	4.5	4.5	5.0	3.5	4.0	5.5	5.0	4.0	6.0	5.0	5.0	6.5	8.5	5.0	4.0	3.5	2.5	5.0	15.5
10	3.0	2.0	3.5	3.0	2.5	2.5	3.0	3.0	4.5	4.5	4.0	15.5	6.5	7.0	3.5	5.5	4.0	3.5	8.5	7.5	5.5	6.5	7.5	9.0	7.5	9.5
11	4.0	3.5	4.0	3.0	3.0	5.5	5.5	9.0	6.5	13.0	13.0	16.5	16.5	16.0	17.0	17.0	17.0	10.0	7.5	9.0	8.0	9.0	9.0	9.5	9.5	18.5
12	7.5	7.5	8.5	9.0	8.0	7.0	4.0	5.5	6.5	6.5	5.5	5.0	5.5	6.0	5.5	5.5	6.0	4.5	5.0	8.0	7.5	7.5	9.0	9.5	6.5	9.0
13	7.5	8.5	7.5	6.5	4.5	3.0	1.5	2.5	2.5	4.5	5.0	10.5	12.5	10.0	12.5	11.0	12.5	6.5	6.5	6.5	8.0	7.0	6.5	7.5	7.0	10.0
14	5.5	9.5	5.5	5.5	6.0	8.5	5.5	6.0	6.0	7.0	10.0	9.5	7.5	8.5	8.5	8.0	7.0	4.0	3.5	4.0	8.5	9.0	3.0	6.5	7.5	7.0
15	9.5	2.5	2.0	2.0	3.0	3.5	4.0	3.5	3.0	4.5	7.0	7.0	8.0	10.5	17.0	12.5	11.0	9.5	9.0	14.5	14.0	10.5	6.5	7.5	12.5	20.0
16	11.5	11.5	8.0	3.0	7.0	9.0	11.0	10.0	6.5	12.0	18.5	20.0	18.5	17.5	17.0	17.0	14.5	13.0	13.0	14.5	14.0	10.5	6.5	7.5	12.5	20.0
17	5.0	5.0	4.0	6.0	7.0	10.0	6.5	5.0	7.5	10.5	10.0	10.5	12.0	11.5	9.5	9.5	11.0	7.5	7.5	7.5	5.5	4.0	6.5	7.5	7.0	12.5
18	4.0	3.5	4.0	4.5	3.5	3.0	4.0	7.0	4.0	3.5	5.0	6.0	9.5	10.5	12.0	11.5	10.0	9.5	7.5	7.5	5.5	4.0	6.5	7.5	7.0	12.0
19	6.5	9.0	8.5	9.5	10.5	9.5	9.5	9.0	10.5	14.0	18.5	19.5	22.5	22.0	19.5	16.5	10.5	7.5	6.0	9.5	10.0	11.5	11.0	8.5	7.0	12.0
20	7.5	4.0	3.0	7.0	5.0	6.5	7.0	3.0	3.0	5.0	6.5	8.0	7.5	6.5	7.0	5.5	4.5	2.5	6.5	7.0	6.0	8.5	4.0	4.5	5.0	17.0
21	6.0	3.5	5.5	4.0	4.5	5.5	6.5	5.5	5.0	9.0	12.5	12.5	12.0	12.0	17.0	16.5	7.5	6.5	10.5	11.0	10.0	4.5	4.5	4.5	4.0	17.0
22	5.0	3.5	8.0	7.5	5.0	4.5	4.0	4.5	5.5	6.0	6.0	7.0	6.0	6.5	5.5	5.5	5.0	4.0	2.0	4.5	8.5	5.5	5.0	2.5	5.5	8.5
23	3.0	2.0	2.5	6.0	5.5	5.5	5.0	4.0	4.5	7.0	5.0	5.5	6.5	8.0	5.5	6.5	5.0	4.0	3.5	3.0	4.0	5.5	9.0	8.5	5.0	9.0
24	4.5	3.5	4.0	5.0	4.5	4.5	4.0	5.0	3.5	6.5	13.0	14.5	15.5	11.5	7.5	6.5	4.0	4.0	4.0	6.0	9.0	3.5	3.0	3.0	3.0	15.5
25	8.0	7.0	10.5	13.0	7.0	5.0	2.0	5.0	5.0	6.0	6.0	7.0	7.0	8.5	7.0	6.0	6.0	1.5	5.5	5.5	6.0	5.5	4.0	2.5	6.0	13.0
26	3.5	3.0	3.0	2.0	5.5	3.5	4.5	4.0	3.5	4.0	5.0	5.0	6.0	5.5	5.5	6.0	5.0	3.5	4.5	6.0	7.5	9.0	8.0	2.5	5.0	9.0
27	5.0	3.5	4.0	4.0	4.5	6.0	3.5	5.5	3.5	4.0	5.0	5.0	6.5	7.5	8.0	7.0	4.5	3.0	3.0	5.0	6.0	6.5	5.5	3.5	6.5	8.0
28	4.5	3.0	2.5	8.5	11.0	5.5	6.0	3.0	4.0	4.0	5.5	5.0	7.5	8.0	7.0	3.0	3.0	5.5	7.5	10.0	10.0	9.5	11.0	6.5	11.0	6.5
29	4.5	3.5	3.0	5.5	4.0	5.0	5.0	6.0	4.0	5.5	5.0	6.5	5.0	6.5	5.5	5.0	6.5	4.5	3.0	3.0	7.5	9.0	4.0	2.5	5.0	9.0
30	3.5	5.5	7.0	5.0	3.0	4.0	3.5	9.5	6.5	5.0	4.0	5.0	5.5	6.0	7.0	5.5	4.5	4.0	2.0	5.5	5.5	6.0	4.5	5.5	5.0	9.5
AV	6.0	5.0	5.5	5.5	5.0	5.5	4.5	5.0	5.5	6.5	7.5	8.0	8.5	9.0	9.5	9.5	7.5	6.5	5.5	6.5	8.0	7.5	7.0	6.5	6.5	11.0
SD	2.5	3.0	2.5	2.5	2.0	2.5	2.0	2.0	2.0	3.0	4.5	4.0	4.5	4.0	4.5	4.5	4.0	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.0	11.0

ADJUST (29 JAN 81)

WIND SPEED (CC1011)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139
HONANZA, UTAH
SITE 4

OCT, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.5	4.5	5.5	3.0	2.5	6.0	12.0	10.5	4.5	4.5	6.5	6.0	5.0	6.5	7.5	7.0	4.5	4.5	4.0	5.0	4.5	5.5	5.5	6.0	5.5	12.0	
2	7.5	9.0	9.0	7.5	8.0	8.5	12.0	9.5	14.0	12.0	11.5	9.5	7.0	6.0	5.0	4.5	4.0	2.0	3.0	5.0	5.0	4.5	3.0	2.0	7.0	14.0	
3	3.0	6.0	4.5	2.5	4.0	4.5	3.0	3.5	3.5	3.5	4.0	5.0	4.5	4.0	4.5	4.0	3.5	3.5	5.0	5.0	5.0	3.0	1.5	2.5	4.0	6.0	
4	3.0	3.0	4.5	7.5	13.0	7.0	3.5	5.5	3.0	3.5	5.5	5.0	5.5	4.0	5.5	5.0	4.0	5.0	4.0	7.5	4.5	6.5	4.0	3.0	5.0	13.0	
5	4.0	3.5	4.0	7.5	6.0	6.0	4.0	4.5	3.5	4.5	4.5	4.5	4.5	5.5	6.5	6.5	4.0	4.0	3.0	3.5	5.5	4.0	5.5	6.5	5.0	7.5	
6	4.5	3.0	3.5	2.0	2.5	3.0	5.0	4.0	3.5	4.0	5.0	6.0	6.5	6.0	7.0	5.0	6.0	5.0	4.5	2.5	7.5	7.5	5.0	4.5	4.5	7.5	
7	4.5	5.0	2.5	3.5	4.0	8.0	3.5	4.5	4.0	4.5	4.0	5.5	7.0	6.5	4.5	5.5	3.5	2.5	2.0	2.5	6.5	3.5	2.5	3.0	4.5	4.0	
8	2.5	4.0	4.0	2.5	8.0	5.0	6.5	4.5	5.5	3.5	5.0	4.5	4.0	5.5	4.0	2.0	2.0	3.0	4.0	4.5	5.0	2.5	2.5	2.5	4.0	4.0	
9	2.0	5.0	11.0	11.5	10.5	5.5	8.5	10.5	6.0	7.0	6.0	5.0	4.5	5.5	6.0	5.5	3.5	2.5	3.0	7.5	7.0	3.0	3.5	3.0	6.0	11.5	
10	7.5	8.5	8.5	5.5	9.0	11.5	10.0	9.5	8.0	7.5	8.5	9.0	5.5	6.0	5.0	5.0	4.0	4.5	3.5	2.5	3.0	3.0	1.5	2.0	6.0	11.5	
11	3.0	4.5	2.0	2.5	6.0	4.5	3.0	3.5	4.0	4.5	3.5	7.0	6.5	7.0	4.0	3.5	3.5	5.5	8.0	9.5	9.5	10.5	10.5	11.5	5.5	11.5	
12	13.5	7.0	4.0	3.0	3.5	3.0	3.0	3.0	3.5	5.5	7.5	14.0	7.5	9.5	10.0	7.0	8.0	7.5	10.0	9.5	7.5	7.0	4.0	5.0	7.0	14.0	
13	5.5	6.5	7.5	3.5	4.5	4.0	5.0	3.5	3.0	6.5	6.5	5.5	7.5	6.5	6.0	7.0	5.5	6.5	7.0	6.5	11.0	10.0	5.5	6.0	6.0	11.0	
14	4.0	3.5	3.0	4.5	5.0	3.0	3.5	3.0	2.5	4.5	5.0	9.0	4.5	4.5	7.5	5.0	4.5	13.0	12.0	7.5	5.0	4.0	7.5	10.0	6.0	13.0	
15	8.0	10.5	8.0	9.0	8.5	9.5	10.5	6.0	5.5	7.5	8.5	11.0	11.0	13.0	10.0	10.0	7.5	5.5	5.5	4.0	5.0	5.0	2.5	3.5	7.5	13.0	
16	7.0	8.0	7.0	9.5	8.0	7.5	6.5	4.5	5.0	5.5	5.0	5.0	3.5	3.5	4.5	4.5	6.0	11.0	9.5	12.5	15.0	11.5	12.0	11.5	7.5	15.0	
17	12.0	2.5	4.0	4.0	7.0	5.0	6.5	8.0	6.5	8.0	10.5	11.0	11.5	14.0	13.0	13.0	12.0	8.0	9.5	9.5	11.0	9.5	5.0	5.0	8.5	14.0	
18	5.0	3.5	6.5	4.5	5.0	5.0	6.0	7.5	4.5	4.5	4.5	3.5	6.5	5.0	4.0	4.0	3.5	2.5	1.5	8.5	6.5	8.5	6.5	6.0	5.0	6.5	
19	8.0	7.0	8.0	7.0	4.5	3.0	3.5	2.5	3.0	4.0	4.5	5.0	4.5	6.0	6.0	5.0	4.5	4.0	3.0	2.5	6.0	9.5	8.0	5.5	5.0	9.5	
20	2.0	2.5	3.0	5.0	5.0	3.5	2.5	6.5	4.0	3.5	5.5	5.5	6.5	6.5	5.0	4.0	3.0	1.5	2.0	8.0	8.5	6.0	6.0	3.0	4.5	8.5	
21	2.5	2.5	3.5	2.0	5.5	9.5	3.5	4.0	3.5	4.5	4.5	4.0	6.0	6.5	5.5	4.5	2.5	3.0	4.5	8.5	9.5	10.5	8.0	5.5	10.5		
22	8.0	5.5	3.0	4.0	3.5	3.0	6.5	8.0	10.5	13.5	17.5	19.5	18.0	17.0	19.5	19.5	23.0	21.0	14.5	8.5	7.0	4.5	3.5	4.5	11.0	23.0	
23	3.5	3.0	4.5	7.5	10.5	7.0	7.5	9.5	10.5	10.5	9.5	7.0	6.5	4.5	5.0	4.5	4.5	3.0	5.0	4.5	2.5	5.0	10.5	9.5	6.5	10.5	
24	7.0	6.0	3.0	5.0	7.5	3.0	3.5	2.5	3.5	3.5	4.5	4.5	3.5	4.5	5.0	4.0	6.0	6.0	4.0	3.5	5.0	2.5	3.5	3.5	4.5	7.5	
25	8.5	3.5	3.0	2.0	2.0	2.0	1.5	1.5	3.0	4.0	5.5	5.0	5.0	7.5	7.0	6.0	3.0	2.0	4.0	6.0	3.0	6.0	3.0	4.0	4.0	4.5	
26	2.5	2.0	2.5	3.0	3.0	2.0	4.0	4.5	3.5	3.5	7.0	7.5	5.5	6.5	5.0	3.0	2.0	4.5	2.5	3.5	3.5	4.5	6.5	4.5	4.0	7.5	
27	2.5	5.0	5.0	4.0	5.5	3.5	3.5	3.5	5.0	11.0	13.0	13.5	15.5	17.5	19.5	19.0	19.5	17.0	12.5	11.0	9.0	9.5	8.0	6.5	4.0	19.5	
28	6.0	8.0	6.5	2.5	2.0	3.0	3.0	5.0	3.0	4.5	3.5	6.0	6.5	5.5	4.5	4.0	3.5	3.5	4.5	5.0	4.0	8.5	6.5	4.5	5.0	8.5	
29	8.0	7.5	9.5	10.5	11.0	3.5	4.5	4.5	3.0	3.5	4.5	4.5	4.5	4.0	6.0	4.5	3.5	4.0	4.5	4.5	5.0	3.0	6.5	9.5	5.5	11.0	
30	2.5	4.5	4.0	1.5	1.5	2.5	4.0	2.5	3.0	3.5	3.5	4.5	5.0	3.0	3.5	3.5	3.0	3.5	4.5	4.0	2.5	3.0	2.0	4.5	3.5	5.0	
31	6.5	6.0	3.5	2.5	2.5	2.5	2.5	1.5	3.0	3.0	4.0	3.5	3.5	3.5	4.5	3.5	4.5	3.5	2.5	1.5	2.0	3.5	3.0	3.0	3.5	6.5	
AV	5.5	5.0	5.0	5.0	6.0	5.0	5.0	5.0	5.5	6.5	7.0	6.5	7.0	6.5	7.0	6.5	6.0	5.5	5.5	5.5	6.5	6.0	5.5	5.5	5.5	5.5	11
SD	3.0	2.0	2.5	2.5	3.0	2.5	3.0	2.5	3.0	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.5	4.5	3.5	3.0	3.0	2.5	3.0	2.5	2.0	11	

WIND SPEED (CE:01)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SMALE PROJECT, #159

RONANZA, UTAH

SITE 4

NOV, 1980

APPROXIMATE INC.

FINAL DATA

AS OF 04/JUN/81

LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2.0	5.0	5.5	10.5	10.5	3.5	3.5	3.5	5.5	4.5	5.0	4.5	4.5	5.5	3.0	2.5	4.0	3.0	3.0	2.5	4.0	4.5	5.5	3.0	4.5	10.5
2	2.5	2.5	3.0	2.5	4.5	7.5	4.0	5.5	3.5	3.5	4.0	5.0	3.5	3.5	5.0	7.0	5.5	3.5	4.5	5.0	4.0	3.5	4.0	6.5	4.5	7.5
3	4.5	3.5	4.5	3.5	3.0	3.5	5.5	3.5	4.0	3.0	4.0	4.0	5.0	7.0	5.5	4.0	3.5	2.0	2.5	4.0	4.0	3.5	4.0	3.5	4.0	7.0
4	5.5	3.5	4.5	6.5	5.5	4.0	5.0	5.0	7.0	3.0	3.5	4.5	4.5	4.0	4.5	2.5	3.0	4.5	4.0	3.0	4.5	3.0	2.5	2.0	4.5	4.5
5	2.5	3.0	3.0	2.5	6.5	3.5	3.5	4.0	5.0	3.0	3.5	4.5	3.5	3.5	4.5	4.5	5.5	5.5	4.0	3.0	2.5	2.5	2.5	2.5	3.5	6.5
6	5.5	3.5	3.0	4.0	7.5	2.5	2.5	4.5	4.0	5.5	3.5	4.5	4.0	3.5	4.5	5.0	5.0	5.5	8.5	11.0	12.0	10.5	10.0	9.5	6.0	12.0
7	9.5	5.0	3.0	5.0	4.0	3.5	3.5	2.0	2.0	3.0	3.5	4.0	4.0	14.5	14.0	15.0	8.5	10.5	11.0	11.5	8.5	5.5	12.0	12.0	7.5	15.0
8	10.0	6.5	11.5	14.5	16.0	15.5	15.0	14.0	14.0	16.5	14.0	12.0	13.5	14.0	12.5	13.0	10.0	6.5	3.5	3.5	6.0	7.5	6.5	6.0	11.0	16.5
9	10.0	10.5	4.0	5.0	3.0	4.5	4.0	1.5	3.5	3.0	4.0	5.0	5.0	4.0	2.5	2.5	3.5	2.5	6.5	6.0	4.5	3.0	3.5	5.0	4.5	10.5
10	2.5	3.5	3.0	1.5	2.5	3.0	2.5	2.5	2.0	4.0	4.5	4.0	5.5	5.5	4.0	3.0	2.0	2.5	4.0	3.5	3.5	4.0	5.5	5.0	3.5	5.5
11	6.0	7.5	7.5	7.0	3.0	3.0	3.0	4.0	3.0	2.5	2.5	3.5	5.5	5.0	3.0	2.5	5.5	8.5	8.5	5.5	6.0	4.0	7.5	5.5	5.0	8.5
12	6.5	6.5	5.5	9.0	9.0	8.5	7.5	8.0	6.5	8.0	11.0	12.0	10.0	12.0	14.0	13.5	8.5	10.0	9.0	8.0	8.0	6.0	4.5	4.0	8.5	14.0
13	2.0	4.5	6.0	5.0	7.5	8.5	8.0	10.5	9.0	9.5	8.5	10.0	12.0	13.0	9.5	11.0	12.0	10.0	11.0	11.5	11.5	9.0	9.0	8.0	9.0	13.0
14	7.0	5.0	4.0	4.5	4.5	4.0	6.0	7.5	8.0	8.5	5.5	6.5	6.5	6.5	5.0	5.0	4.0	4.5	4.5	6.0	6.5	6.0	4.0	3.0	5.5	8.5
15	4.5	4.5	1.5	1.5	3.0	4.0	2.5	2.5	3.5	5.5	4.0	4.5	5.5	6.0	8.5	8.5	9.5	7.0	6.0	7.5	6.0	10.0	9.5	9.0	5.5	10.0
16	9.0	5.5	6.5	5.5	5.0	5.5	7.5	6.0	6.0	6.0	5.5	5.0	4.5	5.0	4.0	5.5	5.0	4.0	3.0	3.0	5.0	8.0	7.5	5.0	6.0	9.0
17	4.0	6.0	3.0	4.0	3.5	5.5	6.0	3.5	4.5	4.5	4.0	3.5	4.5	5.0	4.0	3.0	3.0	2.0	2.5	2.0	2.0	3.0	2.0	4.0	4.0	6.0
18	6.5	4.5	2.5	4.0	4.0	2.0	2.0	2.0	2.5	3.5	4.0	4.5	4.5	5.5	5.0	5.0	2.0	2.0	4.0	4.0	2.0	3.0	1.5	2.5	4.5	3.5
19	2.5	4.0	6.5	5.0	9.5	4.5	6.5	3.0	2.0	3.0	4.5	4.0	4.0	3.5	2.5	3.0	2.5	3.5	4.5	2.5	4.0	3.0	3.0	3.5	4.0	9.5
20	5.5	5.0	4.5	9.5	7.0	3.0	3.5	3.0	3.5	4.0	4.0	5.5	6.0	6.0	6.5	6.0	5.5	3.0	4.0	5.0	10.5	8.5	5.0	5.0	5.5	10.5
21	4.0	3.5	4.5	3.5	3.5	10.5	7.0	4.0	3.5	4.0	3.5	3.5	3.0	4.5	5.0	4.5	4.0	4.5	5.5	10.0	5.5	5.0	3.0	3.0	5.0	10.5
22	6.5	8.0	8.0	7.5	6.5	3.5	5.5	3.5	4.5	3.0	3.5	3.5	5.0	3.5	7.5	5.0	8.0	6.0	7.5	5.0	8.0	5.0	4.5	3.0	5.5	8.0
23	3.0	2.0	4.5	4.0	3.5	4.0	3.5	1.5	4.0	5.0	6.5	5.0	5.0	6.0	4.0	3.5	1.5	3.5	2.5	6.0	7.0	3.0	4.0	2.5	4.0	7.0
24	3.0	3.5	2.5	2.0	2.0	2.0	3.5	5.5	6.0	4.0	2.5	3.0	2.5	5.0	2.5	2.5	2.5	6.0	5.5	5.5	5.0	4.5	3.5	6.0	4.0	6.0
25	4.0	8.5	9.5	9.5	9.0	8.0	6.0	4.0	3.0	3.0	3.0	3.5	5.0	3.5	4.0	3.5	3.5	4.5	3.5	2.0	4.5	5.0	4.5	4.5	5.0	9.5
26	6.0	3.0	4.0	8.5	4.0	2.0	4.5	6.0	4.5	3.0	3.0	3.5	7.0	5.0	4.5	4.0	3.5	4.5	3.5	4.5	3.5	4.0	5.5	8.5	4.5	8.5
27	10.0	13.0	13.0	8.0	5.0	6.5	3.0	3.0	2.5	2.5	3.5	5.5	7.0	4.5	3.0	2.5	4.5	4.5	3.5	3.5	4.5	4.0	3.0	3.5	5.0	13.0
28	4.5	2.5	2.5	4.0	4.5	3.0	3.0	4.5	4.0	3.5	4.5	3.5	5.5	3.5	4.0	4.0	3.5	4.0	4.0	4.0	3.5	4.0	3.0	6.0	4.0	6.0
29	4.0	3.5	2.0	3.5	3.5	0.0	5.5	4.0	3.0	6.0	3.5	4.5	3.0	2.0	3.5	2.5	2.0	4.0	4.5	5.5	3.0	3.5	3.0	3.5	3.5	6.0
30	4.0	4.0	5.5	6.0	6.5	7.5	8.5	11.5	9.0	5.0	7.5	8.5	10.5	8.0	7.5	8.5	9.5	6.0	6.5	11.5	13.0	11.5	12.0	9.5	8.0	13.0
AV	5.0	5.0	5.0	5.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.5	6.0	5.5	5.5	5.0	5.0	5.5	5.5	6.0	5.0	5.5	5.0	5.5	11.1
SD	2.5	2.5	3.0	3.0	3.0	3.0	2.5	3.0	2.5	3.0	2.5	2.5	3.0	3.0	3.0	3.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.0	1.1

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139
HONANZA, UTAH
SITE 4

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	7.5	7.0	7.5	5.0	5.0	9.0	12.5	12.5	12.0	13.0	10.0	13.5	14.5	9.5	7.5	6.5	5.0	7.0	4.0	8.0	7.0	4.0	10.0	4.5	8.5	14.5
2	2.5	3.0	3.0	4.5	3.5	4.0	3.0	4.0	4.0	6.0	7.5	5.0	3.0	4.5	3.5	3.5	2.5	2.5	2.5	4.5	3.5	3.0	4.0	3.0	4.0	7.5
3	3.0	4.0	4.0	2.5	3.5	6.5	6.5	6.5	6.0	6.0	7.0	5.0	8.5	11.0	11.0	9.0	9.0	6.5	5.0	5.5	6.0	5.5	6.0	5.0	6.5	11.0
4	9.5	4.0	4.0	5.0	5.5	8.5	7.0	8.0	11.5	12.5	13.5	15.5	17.0	16.0	13.5	12.0	10.0	11.5	6.0	5.5	6.0	7.5	9.5	7.5	10.0	17.0
5	5.0	10.0	10.0	12.0	10.0	9.0	7.5	5.0	3.5	8.0	6.5	5.0	7.5	7.5	6.5	7.0	8.5	5.5	4.5	4.0	5.0	3.0	4.5	2.0	6.5	12.0
6	5.5	5.5	1.5	1.0	1.0	1.0	1.0	2.0	3.0	3.0	2.5	4.5	4.5	4.5	4.0	4.5	2.0	3.0	7.5	8.0	5.0	4.0	2.5	2.5	3.5	4.0
7	3.0	4.0	4.5	3.5	4.0	4.5	5.0	2.5	3.5	2.5	4.0	3.5	3.5	5.0	5.5	4.5	3.5	3.0	7.0	6.0	10.5	8.0	7.0	7.5	5.0	10.5
8	9.0	7.0	7.0	7.0	8.0	6.5	7.5	5.5	7.5	7.0	6.0	5.0	7.0	8.0	8.0	6.5	3.5	3.0	4.0	2.5	2.5	2.5	8.5	10.0	5.5	10.0
9	10.0	10.0	6.0	5.0	2.5	2.5	3.5	3.5	5.0	5.5	6.5	5.5	4.5	4.0	4.5	2.5	2.5	4.0	5.0	9.0	9.0	7.5	3.0	9.0	5.5	10.0
10	5.0	3.5	3.0	2.5	3.5	3.5	4.0	3.0	3.0	3.0	4.0	4.0	4.5	5.0	4.5	3.5	3.5	3.5	3.0	3.0	2.0	2.5	4.5	5.5	3.5	5.5
11	6.5	5.0	4.5	2.5	2.5	4.0	4.0	3.0	2.5	2.5	2.5	3.5	5.5	4.5	3.0	3.5	4.5	3.5	2.0	3.0	2.5	5.5	5.5	5.0	4.0	6.5
12	3.0	3.0	2.0	2.5	3.5	3.5	3.5	3.0	2.5	3.0	3.5	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0	3.5	3.0	2.0	3.0	4.5	3.0	4.5
13	3.0	2.5	3.0	3.5	3.5	3.5	3.5	3.0	2.5	3.0	3.5	3.0	3.0	3.5	3.5	3.5	3.5	2.5	5.5	2.5	2.5	2.5	2.5	1.5	3.0	5.5
14	2.0	4.5	5.0	6.0	2.5	3.0	6.5	3.5	2.5	4.0	4.5	4.0	4.0	3.5	4.0	6.5	6.0	4.5	3.0	3.5	3.5	4.0	5.5	4.0	4.0	6.5
15	5.5	6.5	6.0	6.0	7.0	3.0	4.0	4.0	6.5	6.0	5.5	5.0	5.0	2.5	3.5	4.0	3.5	7.0	7.5	2.0	3.5	4.5	5.0	4.0	5.0	7.5
16	5.0	2.5	4.0	2.5	2.5	3.5	2.5	4.5	4.0	2.5	4.0	3.0	3.0	4.5	5.0	4.0	5.0	4.0	4.0	2.5	2.5	2.0	3.0	4.5	3.5	5.0
17	2.5	6.0	4.5	4.0	2.0	4.0	3.5	2.5	4.0	3.0	2.5	3.5	4.0	4.5	4.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	3.0	6.5	4.0	6.5
18	3.5	3.5	2.5	2.0	2.5	3.0	2.5	4.0	3.0	4.5	3.0	4.5	4.0	5.0	5.5	5.5	3.5	3.5	4.0	3.5	3.0	2.0	2.0	4.5	3.5	5.5
19	2.0	4.5	4.0	3.5	2.5	3.0	4.0	2.5	5.0	2.0	4.0	6.0	3.0	4.0	4.5	3.0	3.5	3.5	3.5	3.0	2.5	2.5	3.5	2.5	3.5	6.0
20	2.0	2.5	3.0	3.0	2.0	7.5	4.0	2.5	3.0	3.0	3.5	4.5	3.5	3.0	4.0	5.0	5.0	3.5	3.5	3.0	2.5	2.5	3.5	2.0	3.5	7.5
21	2.5	5.5	4.5	2.5	4.0	3.0	5.5	4.5	4.5	4.0	3.0	3.5	4.0	3.5	3.5	2.5	2.5	2.5	5.5	9.5	7.0	7.5	8.5	5.0	4.5	9.5
22	3.5	3.5	5.0	5.0	9.0	4.5	5.0	5.0	8.5	6.0	10.5	11.5	3.5	4.0	11.0	6.0	8.0	10.0	10.0	9.5	6.5	7.0	13.0	7.0	7.0	13.0
23	2.5	4.0	5.5	4.5	7.5	6.5	4.0	7.5	8.5	6.0	5.0	6.5	6.5	7.5	6.5	6.0	3.5	4.0	5.5	5.0	4.5	5.5	4.0	7.5	6.5	11.5
24	3.5	5.0	10.0	4.0	5.0	3.0	3.5	4.5	3.5	3.0	3.0	5.0	5.5	4.5	4.0	3.0	4.0	2.5	3.0	4.0	3.0	3.0	4.5	3.0	4.0	10.0
25	3.0	3.0	3.5	4.5	6.0	2.5	5.0	5.5	3.5	4.0	3.5	5.0	5.5	5.0	6.0	4.0	4.0	2.5	3.0	4.0	6.5	5.5	10.0	6.0	5.0	10.0
26	6.5	11.5	10.5	11.0	5.0	4.0	3.5	3.5	3.5	4.5	4.0	6.0	4.0	3.0	3.5	3.5	2.5	4.5	3.5	4.0	4.5	4.5	5.0	5.0	5.0	11.5
27	3.5	2.5	2.5	2.5	3.5	2.0	1.5	2.0	3.0	2.5	3.5	3.0	3.0	4.5	4.0	2.5	4.0	3.5	3.0	2.0	3.0	3.5	2.0	4.5	3.0	4.5
28	3.0	4.0	4.0	2.5	3.5	3.0	3.0	3.0	3.0	4.0	2.5	4.0	6.5	6.0	4.5	5.0	3.5	3.5	3.0	3.0	3.5	2.0	2.5	2.5	3.5	4.5
29	2.5	2.0	2.0	2.5	3.5	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.5	4.0	4.5	2.0	1.0	2.0	3.0	3.5	4.5	4.0	3.5	3.5	3.5	4.5
30	3.0	3.0	4.5	3.0	2.5	2.5	2.0	3.0	2.5	3.0	3.0	4.0	5.0	4.5	5.5	5.5	5.5	5.0	3.0	3.5	3.5	3.0	3.0	4.5	3.5	5.5
31	7.0	4.5	4.0	3.0	3.0	3.5	2.5	2.5	3.0	3.5	3.5	4.5	3.5	3.0	5.5	4.5	1.5	1.5	4.0	2.5	3.5	3.5	3.5	3.5	3.5	7.0
AV	4.5	5.0	5.0	4.5	4.0	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.5	5.0	4.5	4.5	4.5	4.5	4.5	4.5	5.0	4.5	4.5	4.5
SD	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5

WIND DIRECTION [CC1021

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 4
JAN, 1980
AEROENVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	130	170	225	165	145	65	305	220	210	260	90	295	310	260	305	300	(VA)	275	255	260	280	260	250	140	114	
2	260	85	15	110	105	320	275	325	30	15	0	0	325	305	10	55	315	260	355	250	295	310	210	0	1	
3	5	(VA)	185	130	135	130	135	90	(VA)	50	40	30	315	305	320	(VA)	270	260	300	(VA)	35	(VA)	235	(VA)	(VA)	
4	235	285	230	(VA)	45	(VA)	320	180	75	310	55	50	45	330	290	300	290	250	260	260	(VA)	155	255	14		
5	(VA)	75	105	115	155	(VA)	(VA)	100	80	(VA)	25	300	250	335	45	(VA)	90	(VA)	260	260	(VA)	(VA)	245	245	5	
6	205	215	240	265	(VA)	(VA)	270	75	285	270	270	280	275	330	20	25	15	310	310	230	230	250	255	95	12	
7	65	220	(VA)	245	(VA)	(VA)	155	(VA)	240	(VA)	140	255	260	265	265	350	195	205	225	115	120	155	(VA)	(VA)	12	
8	235	240	230	245	250	180	(VA)	250	220	250	255	265	270	285	310	85	260	235	195	195	205	190	195	195	811	
9	195	205	210	205	210	220	205	195	200	175	170	165	175	170	165	190	180	220	180	175	165	165	175	160	79	
10	170	190	195	195	200	195	190	200	200	200	205	215	225	260	270	270	280	280	270	275	270	265	215	220	10	
11	145	150	140	140	150	160	145	260	130	250	290	335	100	(VA)	290	270	80	0	100	285	295	270	275	235	(VA)	
12	(VA)	(VA)	(VA)	230	(VA)	240	285	245	355	270	80	285	265	45	330	290	120	295	(VA)	205	130	260	260	160	13	
13	260	260	90	(VA)	160	250	(VA)	230	(VA)	95	(VA)	255	280	285	40	205	165	170	200	195	175	175	180	200	9	
14	185	170	170	165	160	160	170	200	260	245	135	130	115	130	135	160	235	185	(VA)	225	135	250	230	245	(VA)	
15	180	160	140	140	120	155	225	275	260	220	140	140	280	260	45	110	105	180	255	(VA)	260	160	280	60	(VA)	
16	25	210	305	250	135	140	140	225	(VA)	120	280	285	330	320	320	345	315	265	230	265	280	300	305	300	14	
17	285	120	135	130	135	(VA)	210	240	(VA)	325	105	70	290	300	275	345	35	35	345	255	80	255	260	(VA)	14	
18	215	95	95	35	10	260	(VA)	(VA)	270	265	(VA)	260	15	300	280	280	275	270	270	25	70	90	95	90	13	
19	85	65	60	65	70	75	70	65	65	55	65	60	60	50	45	45	40	20	80	75	80	75	70	55	4	
20	85	115	105	135	145	145	145	145	135	135	150	290	320	300	265	310	300	290	260	240	255	260	175	115	47	
21	(VA)	(VA)	245	315	305	45	40	90	290	290	275	20	195	315	(VA)	320	285	285	290	295	305	295	300	305	14	
22	325	315	290	295	315	5	65	80	100	110	50	55	315	310	10	315	(VA)	25	255	125	135	180	(VA)	150	15	
23	175	(VA)	(VA)	(VA)	310	(VA)	(VA)	290	(VA)	10	335	315	290	300	305	270	265	305	290	310	(VA)	270	300	130	13	
24	(VA)	(VA)	205	235	270	50	115	155	270	15	180	305	275	270	295	270	265	305	290	310	(VA)	145	260	40	15	
25	225	235	80	45	(VA)	(VA)	335	(VA)	125	285	320	300	310	100	35	275	285	265	195	70	65	105	75	45	4	
26	285	260	260	255	225	240	250	265	245	(VA)	285	305	305	325	355	20	340	5	50	300	265	230	190	240	13	
27	255	150	260	260	245	(VA)	(VA)	105	220	255	270	270	275	265	295	40	270	260	245	270	260	245	260	245	70	43
28	75	55	40	270	260	265	265	250	265	265	280	270	300	20	40	330	280	(VA)	(VA)	320	255	250	245	(VA)	213	
29	345	260	260	100	(VA)	250	300	35	35	35	285	275	285	280	310	300	180	(VA)	(VA)	95	245	265	255	285	13	
30	30	75	145	190	(VA)	150	85	130	(VA)	60	285	280	295	240	100	30	60	0	30	255	45	260	(VA)	150	54	
31	(VA)	(VA)	245	260	120	140	285	225	165	270	350	275	255	(VA)	280	320	245	220	245	250	205	270	225	(VA)	12	
PV	11	11	13	12	7	8	14	12	12	13	13	14	13	15	15	15	14	14	13	12	13	13	12	12	(VA)	13

ABOUT [21 JAN 81]

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT.#139
RONANZA, UTAH
SITE 4

LEVEL HEIGHT : 10 METERS

JAN, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	S	SW	SSE	SE	E	NW	SW	SSW	W	E	WNW	NW	W	NW	WNW	(VA)	W	WSW	W	W	W	WSW	SE	W	
2	W	E	NNE	ESE	ESE	NW	W	NW	NNE	N	N	NW	NW	W	NW	N	W	W	N	WSW	WNW	W	W	WSW	W	
3	N	(VA)	S	SE	SE	SE	SE	E	(VA)	NE	NE	NNE	NW	NW	NW	(VA)	W	W	W	WNW	(VA)	NE	(VA)	SA	(VA)	
4	SW	WNW	SW	(VA)	NE	(VA)	NW	S	ENE	NW	NE	NE	NW	NW	NW	WNW	WNW	WSW	W	W	W	(VA)	SSF	WSW	WNW	
5	(VA)	ENE	ESE	ESE	SSE	(VA)	(VA)	E	E	(VA)	NNE	WNW	WSW	RNW	NE	(VA)	E	(VA)	W	W	(VA)	(VA)	(VA)	WSW	E	
6	SSW	SW	WSW	W	(VA)	(VA)	W	ENE	WSW	W	W	W	W	W	N	N	SSW	NW	SW	SW	SW	WSW	WSW	F	WSW	
7	ENE	SW	(VA)	WSW	(VA)	(VA)	SSE	(VA)	WSW	(VA)	SE	WSW	W	W	N	N	SSW	SW	ESE	ESE	SSW	SSE	(VA)	(VA)	WSW	
8	SW	WSW	SW	WSW	WSW	S	(VA)	WSW	SW	WSW	WSW	W	W	W	W	E	W	SSW	S	S	S	SSE	S	SSE	S	WSW
9	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	SSE	S	S	SSE	S	S	S	S	S	S	SSE	S	SSE	S	WSW
10	S	S	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	SE	SSE	SE	SE	SSE	SE	SE	W	SE	WSW	WNW	NW	E	(VA)	WNW	W	W	W	W	W	W	W	W	W	W	SSW
12	(VA)	(VA)	(VA)	SW	(VA)	WSW	WNW	WSW	N	W	E	WNW	W	RE	NW	WNW	ESE	WNW	(VA)	SSW	SE	W	W	SSW	W	(VA)
13	W	W	W	E	(VA)	SSE	WSW	(VA)	SW	(VA)	E	WSW	W	WNW	NE	SSW	SSE	S	SSW	SSW	S	S	S	S	S	SSW
14	S	S	S	SSE	SSE	SSE	S	SSW	W	WSW	SE	SE	SE	SE	SE	SE	SE	S	(VA)	SW	SE	SW	SW	SW	SW	(VA)
15	S	SSE	SE	SE	ESE	SSE	SW	W	W	SW	SE	SE	SE	SE	SE	SE	SE	S	WSW	(VA)	W	W	W	W	W	(VA)
16	NNE	SSW	NW	WSW	SE	SE	SE	SW	(VA)	ESE	W	WNW	NW	NW	NW	NW	NW	WNW	SW	W	W	WNW	NW	WNW	WNW	WNW
17	WNW	FSE	SE	SE	SE	(VA)	SSW	WSW	(VA)	NW	ESE	ENE	WNW	WNW	W	NNW	NE	NE	NNW	WSW	E	WSW	F	(VA)	WNW	
18	SW	E	E	NE	N	W	(VA)	(VA)	W	W	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	E	FNE	ENE	ENE	FNE	FNE	FNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	F	FSE	FSE	ESE	SE	SE	SE	SE	SE	SE	SSE	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
21	(VA)	(VA)	WSW	NW	NW	NE	NE	E	W	WNW	W	NNE	NW	WNW	(VA)	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
22	NW	NW	WNW	WNW	NW	N	FNE	N	ESE	NE	NE	NE	NW	NW	NW	NW	(VA)	NNE	WSW	SE	SE	SE	(VA)	SSE	NW	WNW
23	S	(VA)	(VA)	(VA)	NW	(VA)	NW	(VA)	NW	NW	NW	NW	NW	NW	NW	NW	(VA)	NNE	WSW	SE	SE	SE	(VA)	SSE	NW	WNW
24	(VA)	(VA)	SSW	SW	W	NE	ESE	(VA)	WNW	(VA)	N	NW	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W	W
25	SW	SW	E	NE	(VA)	(VA)	NW	(VA)	SE	WNW	S	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	WSW	SSE	W	W	W	W	(VA)	(VA)	WSW	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	ENE	NE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	NW	W	W	F	(VA)	WSW	WNW	NE	NE	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	NNE	ENE	SE	S	(VA)	SSE	E	(VA)	ENE	WNW	W	WNW	WSW	F	UNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
31	(VA)	(VA)	WSW	W	FSE	SE	WNW	SW	SSE	W	N	W	WSW	(VA)	W	NW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
PV	SW	SW	W	WSW	SE	SSE	WNW	WSW	WSW	W	W	WNW	W	NW	NW	NW	WNW	WNW	W	WSW	W	W	W	W	W	W

WIND DIRECTION (CC102)

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVFR SHALE PROJECT.#139
RONANZA, UTAH
SITE 4
FEB, 1980
AEROVIRONMENT INC.

.....
* FJNL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	210	145	285	210	(VA)	250	(VA)	290	250	315	(VA)	315	295	285	260	275	295	100	160	265	(VA)	145	180	260	14	
2	240	205	320	265	135	255	30	(VA)	105	(VA)	60	270	325	320	35	10	270	255	175	160	(VA)	(VA)	215	(VA)	13	
3	(VA)	225	(VA)	125	(VA)	230	100	(VA)	340	(VA)	295	285	285	20	350	280	270	265	220	180	180	175	(VA)	(VA)	13	
4	95	155	260	(VA)	235	250	(VA)	10	(VA)	(VA)	65	335	300	275	285	0	345	(VA)	(VA)	(VA)	210	95	(VA)	(VA)	(VA)	
5	(VA)	(VA)	205	165	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	20	280	280	285	0	315	260	250	200	100	240	115	250	155	13	
6	225	(VA)	230	(VA)	100	220	80	75	65	(VA)	285	275	325	355	295	280	265	295	280	(VA)	50	265	110	115	14	
7	170	250	15	275	275	230	255	265	270	290	265	280	300	265	0	55	60	55	55	55	70	65	90	80	13	
8	75	60	115	125	140	120	115	130	125	230	295	280	290	295	295	300	280	85	135	125	115	120	115	7		
9	245	140	230	(VA)	(VA)	115	115	60	50	10	10	275	285	275	300	345	285	265	260	270	270	240	200	115	13	
10	195	155	340	(VA)	120	(VA)	295	265	230	280	355	340	45	355	280	270	265	(VA)	275	(VA)	280	(VA)	220	185	13	
11	170	220	(VA)	(VA)	(VA)	345	285	310	(VA)	(VA)	350	290	280	320	280	275	275	230	40	255	260	220	145	115	13	
12	(VA)	(VA)	190	40	190	(VA)	(VA)	210	(VA)	(VA)	350	310	50	285	285	275	270	(VA)	(VA)	(VA)	325	240	(VA)	(VA)	14	
13	255	155	230	(VA)	(VA)	(VA)	220	130	265	295	290	295	25	340	0	55	300	105	145	300	280	(VA)	260	230	13	
14	295	235	260	(VA)	295	(VA)	120	125	260	280	0	355	290	290	285	310	310	280	245	125	250	(VA)	250	260	13	
15	190	(VA)	(VA)	260	255	250	200	310	265	(VA)	(VA)	10	310	30	320	315	270	265	230	(VA)	270	185	155	95	13	
16	(VA)	195	260	(VA)	265	(VA)	40	190	245	265	145	260	300	310	295	10	275	5	115	145	240	245	260	95	13	
17	100	60	285	(VA)	315	250	90	285	260	320	(VA)	295	285	295	50	70	25	250	115	260	255	215	210	(VA)	14	
18	190	180	170	180	230	255	(VA)	100	185	175	200	210	275	280	240	240	145	125	145	210	235	220	210	150	10	
19	195	190	275	205	140	145	175	185	120	50	205	205	215	205	195	170	165	170	190	80	180	215	230	265	10	
20	(VA)	115	155	175	180	165	230	225	195	205	170	175	235	215	235	280	300	215	175	195	195	210	220	200	9	
21	220	265	250	240	160	140	185	160	160	190	195	200	195	195	175	170	215	265	255	255	285	295	45	(VA)	10	
22	160	(VA)	(VA)	240	275	165	115	250	255	270	285	275	270	285	290	290	290	290	290	250	115	155	150	240	250	(VA)
23	145	125	215	235	200	75	85	210	250	270	275	270	285	315	315	300	325	70	50	55	100	145	145	130	(VA)	
24	180	235	230	215	150	160	225	(VA)	225	295	10	300	300	290	310	300	300	20	285	235	175	175	195	210	(VA)	
25	245	(VA)	(VA)	(VA)	235	(VA)	115	(VA)	120	(VA)	245	315	310	310	300	240	320	290	265	225	(VA)	230	230	115	15	
26	(VA)	140	235	145	(VA)	230	(VA)	140	(VA)	275	245	300	305	340	295	280	350	335	255	255	285	260	200	235	13	
27	265	105	140	135	265	(VA)	150	(VA)	165	300	35	290	290	285	280	275	275	265	255	160	255	265	245	140	13	
28	175	120	190	115	175	215	220	135	115	200	295	280	295	295	45	315	275	155	265	270	195	150	150	225	14	
29	260	270	145	155	210	230	210	260	255	205	270	280	315	15	310	30	0	25	25	70	90	40	75	75	13	
PV	9	7	11	7	9	11	(VA)	(VA)	12	14	14	14	14	14	14	13	14	13	12	12	13	11	11	6	13	

WIND DIRECTION (CC10?)

WHITE RIVER SHALE PROJECT, #119

ROMANZA, UTAH

SITE 4

LEVEL HEIGHT 10 METERS

FINAL DATA

AS OF 31/MAR/81

FEB. 1980

AEROSCIENCE INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSW	SE	WNW	SSW	(VAI)	WSW	(VAI)	WNW	WSW	NW	(VAI)	NW	WNW	WNW	W	W	WNW	E	SSE	W	(VAI)	SE	S	W	WNW
2	WSW	SSW	NW	W	SE	WSW	NNE	(VAI)	FSE	(VAI)	ENE	W	WNW	NE	N	N	W	WSW	E	SSE	W	(VAI)	SW	(VAI)	W
3	(VAI)	SW	(VAI)	SE	(VAI)	SW	E	(VAI)	NW	(VAI)	ENE	WNW	W	N	W	W	W	W	SW	W	S	W	(VAI)	(VAI)	W
4	E	SSE	W	(VAI)	SW	WSW	(VAI)	N	(VAI)	(VAI)	ENE	WNW	W	WNW	N	N	N	W	(VAI)	(VAI)	SSW	W	(VAI)	(VAI)	W
5	(VAI)	(VAI)	SSW	SSE	(VAI)	(VAI)	(VAI)	(VAI)	(VAI)	(VAI)	NNE	W	W	W	N	N	W	W	WSW	E	WSW	ESE	SSE	(VAI)	W
6	SW	(VAI)	SW	(VAI)	W	SW	WSW	W	ENE	(VAI)	WNW	W	W	W	N	N	W	W	W	W	(VAI)	NE	W	ESE	WNW
7	S	WSW	NNE	W	W	WSW	W	W	SE	SW	WNW	W	W	W	N	N	W	W	NE	NE	ENE	ENE	E	E	W
8	ENE	ENE	ESE	SE	SE	ESE	ESE	SE	SE	SW	WNW	W	W	W	N	N	W	W	E	SE	ESE	ESE	SE	SE	W
9	WSW	SE	SW	(VAI)	(VAI)	ESE	ESE	ENE	ENE	NE	N	W	W	W	N	N	W	W	W	W	W	W	W	W	W
10	SSW	SSE	WNW	(VAI)	ESE	(VAI)	WNW	W	SW	W	N	N	N	W	W	W	W	W	(VAI)	W	(VAI)	W	W	W	W
11	S	SW	(VAI)	(VAI)	(VAI)	NNW	WNW	NW	(VAI)	(VAI)	N	W	W	W	W	W	W	W	(VAI)	W	(VAI)	W	W	W	W
12	(VAI)	(VAI)	S	NE	S	(VAI)	(VAI)	SSW	(VAI)	(VAI)	N	N	W	W	W	W	W	W	(VAI)	W	(VAI)	W	W	W	W
13	WSW	SSE	SW	(VAI)	(VAI)	(VAI)	SW	SE	W	W	WNW	W	W	W	W	W	W	W	(VAI)	W	(VAI)	W	W	W	W
14	WNW	SW	W	(VAI)	WNW	(VAI)	ESE	SE	W	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
15	S	(VAI)	(VAI)	W	WSW	WSW	SSW	NW	W	(VAI)	(VAI)	N	N	W	W	W	W	W	W	W	W	W	W	W	W
16	(VAI)	SSW	W	(VAI)	W	(VAI)	NE	S	WSW	W	SE	W	W	W	W	W	W	W	(VAI)	W	S	SSE	E	E	W
17	E	FNE	WNW	(VAI)	NW	WSW	E	WNW	W	NW	(VAI)	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W
18	S	S	S	S	S	SW	WSW	(VAI)	E	S	S	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W
19	SSW	S	W	SSW	SE	SE	S	SSE	SW	SW	SSW	S	S	W	W	W	W	W	W	W	W	W	W	W	W
20	(VAI)	ESE	SSE	S	S	SSE	SW	SW	SSW	SSW	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SW	W	WSW	WSW	SSE	SE	ESE	WSW	WSW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	SSE	(VAI)	(VAI)	WSW	W	SSE	ESE	WSW	WSW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	SE	SE	SW	SW	SSW	SSE	E	SSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	S	SW	SW	SW	SSW	SSE	SW	(VAI)	SW	WNW	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
25	WSW	(VAI)	(VAI)	(VAI)	SW	(VAI)	ESE	(VAI)	ESE	(VAI)	WNW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W
26	(VAI)	SE	SW	SE	(VAI)	SW	(VAI)	SE	(VAI)	W	WNW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W
27	W	ESE	SE	SE	W	(VAI)	SSE	(VAI)	E	WNW	NE	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W
28	S	ESE	S	ESE	S	SW	SW	SE	ESE	SSW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	W	W	SE	SSE	SW	SW	SSW	W	WSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	S	SE	SW	SE	S	SW	(VAI)	(VAI)	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE #
 MAR. 1980
 AEROSOL ENVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	85	75	85	80	90	80	100	115	(VA)	290	290	295	285	290	310	345	30	25	315	300	110	140	155	(VA)	
2	195	135	150	270	120	220	(VA)	260	275	145	275	10	345	300	290	295	275	240	250	210	235	65	150	265	13
3	225	225	(VA)	205	260	275	(VA)	295	265	55	90	205	195	170	195	205	245	230	185	210	200	195	215	220	10
4	225	245	170	225	235	200	165	100	100	290	210	285	290	290	280	290	285	275	270	260	245	245	245	210	13
5	180	215	220	220	200	180	175	195	190	210	225	205	210	190	190	200	175	170	175	180	195	195	165	15	
6	190	210	220	265	255	185	125	130	130	110	240	295	285	295	290	105	185	65	45	75	55	25	125	(VA)	
7	175	265	180	340	75	170	220	140	115	200	235	245	250	280	260	205	220	260	255	355	255	225	225	240	12
8	240	260	260	230	190	215	205	165	135	260	270	275	270	280	275	265	255	260	240	235	235	235	240	240	12
9	235	230	240	165	135	140	135	140	215	250	285	280	265	260	260	255	260	245	225	210	205	215	195	11	
10	180	180	175	185	150	135	125	125	165	280	285	300	305	300	275	285	305	290	205	160	135	115	145	185	(VA)
11	(VA)	(VA)	130	190	(VA)	230	60	165	55	75	80	45	40	65	300	175	190	165	160	185	195	160	160	160	A
12	170	255	265	260	265	265	265	270	265	265	265	275	270	270	285	270	280	290	300	340	50	120	145	140	13
13	140	150	240	125	125	(VA)	305	(VA)	75	25	0	305	275	290	300	290	305	280	225	195	205	205	195	180	(VA)
14	115	250	220	100	210	20	140	110	15	(VA)	210	265	295	300	235	190	185	210	210	170	165	205	165	185	10
15	180	280	285	280	275	345	290	320	55	20	330	325	315	335	355	345	330	350	245	250	(VA)	265	280	280	11
16	280	285	280	275	345	290	320	55	20	330	325	315	335	355	345	330	350	10	10	10	10	20	120	145	16
17	175	205	70	145	135	115	135	(VA)	290	45	5	230	200	215	205	220	185	160	165	165	165	165	190	205	A
18	210	225	235	180	170	130	260	275	285	280	300	290	295	285	290	305	300	310	310	250	255	150	140	165	14
19	185	260	155	185	130	135	140	130	70	285	255	265	265	285	285	285	300	295	300	350	5	65	85	14	
20	80	110	145	175	180	135	135	120	(VA)	50	0	265	225	210	290	285	175	165	160	165	160	160	145	220	A
21	135	165	185	185	170	185	170	95	185	195	185	180	180	185	215	235	280	310	305	35	60	140	125	125	9
22	120	125	100	80	260	(VA)	90	(VA)	355	290	355	65	70	65	75	75	65	60	95	20	45	90	175	4	
23	110	(VA)	165	205	160	180	100	135	125	95	70	55	315	260	275	315	275	310	75	135	230	270	280	125	7
24	125	(VA)	100	80	(VA)	115	105	80	85	110	110	185	185	190	180	180	155	150	155	250	300	295	175	175	9
25	300	305	305	310	310	310	310	275	260	135	85	270	290	310	60	270	330	325	25	90	145	275	250	140	15
26	130	135	250	220	205	180	175	(VA)	(VA)	325	315	295	240	(VA)	255	230	105	75	190	170	160	145	140	135	7
27	140	135	235	135	145	110	135	120	255	315	310	300	290	290	310	300	280	260	275	270	255	260	270	280	13
28	285	55	300	285	250	260	(VA)	135	270	270	10	15	20	25	30	35	40	35	40	35	45	90	80	90	7
29	100	80	0	290	260	250	255	(VA)	(VA)	270	315	330	295	330	310	95	80	135	110	145	135	185	185	(VA)	10
30	170	145	140	145	(VA)	190	65	285	45	40	30	195	240	270	270	280	180	130	140	125	210	230	210	(VA)	10
31	215	105	180	55	55	65	195	245	270	305	280	315	275	285	235	215	(VA)	(VA)	215	90	215	165	150	135	11
PV	9	(VA)	9	9	9	9	7	7	13	14	15	14	13	14	14	14	13	14	(VA)	6	(VA)	10	7	9	13

WIND DIRECTION (CC10?)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139

HONANZA, UTAH

SITE 4

MAR. 1980

AEROENVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	ENE	E	E	E	E	ESE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
2	SSW	SE	SSE	W	ESE	SW	(VA)	W	W	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
3	SW	SW	SW	SSW	W	W	(VA)	W	W	NE	E	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
4	SW	SW	SW	SSW	W	W	(VA)	W	W	NE	E	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
5	S	SW	SW	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
6	S	SSW	SW	W	W	W	W	W	W	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	S	W	W	W	W	W	W	W	W	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	WSW	W	W	W	W	W	W	W	W	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
9	SW	SW	SW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	S	S	S	S	S	S	S	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	(VA)	(VA)	SE	S	(VA)	SW	ENE	SSE	NE	ENE	E	NE	NE	ENE	ENE	W	W	W	W	W	W	W	W	W	W
12	S	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
13	SE	SSE	WSW	SE	SE	(VA)	NW	(VA)	ENE	NNE	N	NW	W	W	W	W	W	W	W	W	W	W	W	W	W
14	ESE	WSW	SW	E	SSW	NNE	SE	ESE	NNE	(VA)	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
16	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	S	SSW	ENE	SE	SE	ESE	SE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SSW	SW	SW	S	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	S	W	SSE	S	S	S	SE	SE	SE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	E	ESE	SE	S	S	S	SE	SE	SE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SE	SSE	S	S	S	S	S	S	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
22	ESE	SE	E	E	W	(VA)	E	(VA)	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	ESE	(VA)	SSE	SSW	SSE	S	E	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
24	SE	(VA)	E	E	(VA)	FSE	FSE	E	E	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E
25	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SE	SE	WSW	SW	SSW	S	S	(VA)	(VA)	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SE	SE	SW	SE	SE	FSE	SE	ESE	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	W	W	W	W	W	W	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	S	SE	SE	SE	(VA)	S	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
31	SW	ESE	S	NE	NE	ENE	SSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	S	(VA)	S	S	S	S	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CC1021)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 APR, 1980
 AEROVIRONMENT INC.

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 * FINAL DATA *
 * AS OF 31/MAR/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	135	135	140	105	175	125	45	30	40	40	60	15	245	240	325	85	30	345	35	70	60	55	55	85	3	
2	170	75	325	315	315	270	265	265	270	285	295	290	285	300	285	280	315	355	340	350	35	160	165	145	14	
3	85	140	145	150	125	145	150	145	110	90	65	300	1VA1	310	105	55	140	235	250	195	120	145	160	175	7	
4	210	130	170	225	190	230	125	290	265	305	290	265	295	1VA1	265	180	180	175	170	165	160	145	145	135	9	
5	95	115	130	1VA1	295	105	255	1VA1	100	140	250	220	230	220	240	250	250	245	260	255	135	130	195	210	12	
6	260	250	250	245	235	215	225	235	240	245	270	270	260	275	280	275	270	270	275	280	225	140	185	255	12	
7	270	280	305	320	235	270	270	265	275	270	280	275	275	285	285	275	280	275	275	275	290	160	145	14		
8	140	145	165	180	155	165	205	290	295	330	330	280	285	295	295	285	10	115	60	110	150	155	160	125	14	
9	155	175	265	50	135	165	120	1VA1	330	265	20	300	290	245	230	245	235	245	230	175	175	220	200	235	12	
10	230	230	235	250	260	260	260	275	290	280	285	280	290	295	285	280	285	285	275	270	315	65	90	70	13	
11	75	110	80	105	45	35	35	70	40	45	50	45	35	35	40	40	40	40	30	35	50	45	20	80	3	
12	20	10	40	330	135	270	155	260	50	25	45	40	15	350	30	15	40	40	35	40	30	35	30	0	2	
13	65	50	175	250	255	260	285	330	285	310	305	1VA1	325	325	285	305	330	70	85	90	145	145	140	135	15	
14	130	195	190	135	55	85	85	120	25	335	15	25	345	285	310	310	305	300	35	110	135	145	140	135	7	
15	210	1VA1	95	1VA1	105	115	100	105	320	305	295	280	270	275	270	260	275	290	280	280	275	265	265	250	255	13
16	165	125	145	150	150	60	135	125	90	45	15	330	305	310	325	350	20	5	50	105	150	145	145	150	7	
17	140	235	140	1VA1	1VA1	95	80	60	40	330	305	290	285	320	330	320	300	0	5	70	125	125	155	145	15	
18	155	150	185	1VA1	145	115	75	60	340	300	300	310	300	320	295	255	260	245	230	225	180	140	145	145	1VA1	
19	165	170	110	60	115	65	145	55	30	315	290	245	285	310	285	1VA1	195	240	245	190	150	140	135	140	7	
20	225	205	110	105	1VA1	305	1VA1	70	275	35	55	315	230	205	240	235	230	230	200	155	130	140	140	155	11	
21	145	160	175	145	155	125	120	125	190	185	130	130	155	280	205	115	45	170	235	245	1VA1	90	140	175	7	
22	255	150	1VA1	215	210	170	140	1VA1	355	320	325	320	305	5	35	25	60	70	70	140	90	45	40	105	5	
23	170	115	125	140	150	170	1VA1	300	290	310	305	300	240	245	275	285	240	320	240	85	150	230	205	130	14	
24	145	1VA1	165	185	165	215	185	280	295	305	330	25	355	350	335	5	20	330	5	50	150	230	205	130	14	
25	70	85	95	115	70	40	90	0	25	50	55	25	35	25	40	25	20	330	5	50	65	50	70	95	1	
26	65	95	170	105	135	130	100	105	45	55	40	45	5	65	1VA1	80	60	1VA1	45	85	120	145	110	100	5	
27	115	145	145	200	220	95	105	325	275	30	50	50	320	20	0	310	330	315	345	305	200	170	145	215	15	
28	175	170	150	110	140	115	1VA1	35	340	345	295	1VA1	280	200	145	160	235	240	195	130	145	150	200	225	15	
29	190	55	240	225	145	1VA1	110	1VA1	290	300	310	140	125	125	140	195	210	240	260	325	20	65	100	115	7	
30	185	260	325	70	290	200	90	1VA1	120	45	5	310	95	325	5	310	285	240	175	175	140	115	125	130	15	
PV	9	7	7	6	7	7	5	14	14	15	14	14	14	14	14	13	1VA1	12	3	1VA1	7	7	7	7	7	

WIND DIRECTION (CC102)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE 4

APR. 1980

AEROSCIENCE INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SE	SE	ESE	S	SE	NE	NNE	NE	ENE	NNE	WSW	WSW	NW	NW	E	NNE	NW	NE	ENE	ENE	NE	NE	E	NF
2	ENE	FNE	NW	NW	NW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	W	NW	NW	ENE	ENE	NE	SSE	SE	WNW
3	E	SE	SE	SSE	SE	SE	ESE	E	ESE	E	ENE	WNW	(VA)	NW	ESE	NE	SE	SW	WSW	SSW	ESE	SE	SSE	S	SF
4	SSW	SE	S	SW	SE	SW	SE	WNW	NW	WNW	W	WNW	(VA)	W	S	S	S	S	S	SSE	SSE	SE	SE	SE	S
5	E	ESE	SE	(VA)	WNW	ESE	WSW	(VA)	E	SE	WSW	SW	SW	SW	WSW	WSW	WSW	W	WSW	SE	SE	SSW	SSW	SSW	WSW
6	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	WSW
7	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	WSW
8	SE	SE	SSE	S	SSE	SSE	SSW	WNW	WNW	WNW	W	W	W	W	WNW	W	W	W	W	W	WNW	SSE	SSE	SF	WNW
9	SSE	S	W	NE	SE	SSE	ESE	(VA)	WNW	W	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	SSE	SSE	SF	WSW
10	SW	SW	SW	WSW	W	W	W	W	W	WNW	W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W
11	ENE	ESE	NE	ESE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
12	NNE	N	NE	WNW	SE	W	SSE	W	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE
13	ENE	NE	S	WSW	WSW	W	WNW	WNW	WNW	WNW	(VA)	NW	NW	NW	NW	NW	NW	NW	ENE	E	SE	SE	SE	SE	ENE
14	SE	SSW	S	SE	NE	E	ESE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	ESE	SE	SE	SE	SE	SE
15	SSW	(VA)	E	(VA)	ESE	ESE	ESE	ESE	NE	NE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SSE	SE	SE	SSE	ENE	SE	SE	E	NE	ENE	NNE	NW	NW	NW	NW	N	NNE	N	NE	ESE	SSE	SE	SE	SE	SSE
17	SE	SW	SE	(VA)	(VA)	E	ENE	ENE	NE	ENE	WNW	WNW	WNW	WNW	WNW	NW	WNW	N	ENE	SE	SE	SE	SE	SE	ENE
18	SSE	SSE	S	(VA)	SE	ESE	ENE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WNW	N	ENE	SE	SE	SE	SE	SE	ENE
19	SSE	S	ESE	ENE	ESE	ENE	SE	NE	ENE	WNW	WNW	WNW	WNW	WNW	(VA)	SSW	WSW	W	ENE	SE	SE	SE	SE	SE	(VA)
20	SW	SSW	ESE	ESE	(VA)	NW	(VA)	ENE	W	NE	NE	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	SE	SE	SE	SE	SW
21	S	SSE	S	SE	SSE	SE	ESE	SE	S	S	SE	SE	SSE	W	SSW	ESE	NE	S	SSW	SSE	SE	SE	SE	SE	SW
22	WSW	SSE	(VA)	SW	SSW	S	SE	(VA)	S	NW	NW	NW	NW	NW	SSW	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	SW
23	S	SSE	SE	SE	SSE	S	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	WNW	E	SSE	SW	SSW	SE	WNW
24	SE	(VA)	SSE	S	SSE	SW	S	W	WNW	WNW	WNW	N	N	N	N	N	N	N	N	ENE	ENE	ENE	ENE	ENE	N
25	ENE	E	E	ESE	ENE	NE	E	W	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	NE
26	ENE	E	S	ESE	SE	SE	E	ESE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	NE
27	ESE	SE	SE	SSW	SW	E	ESE	NW	W	WNW	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	ESE	SE	SE	SE	NE
28	S	SSE	ESE	SE	FSE	(VA)	NE	WNW	WNW	WNW	(VA)	W	SSW	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NE
29	S	NE	WSW	SW	(VA)	ESE	(VA)	WNW	WNW	WNW	NW	S	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NE
30	S	W	NW	ENE	WNW	SSW	E	(VA)	ESE	NE	N	NW	E	NW	NW	NW	WNW	WSW	S	S	SE	ESE	SE	SE	NE
PV	S	SE	SE	ESE	SE	SE	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	(VA)	WSW	NE	(VA)	SE	SE	SE	SE	SE

ABOUT (29 JAN 81)

WIND DIRECTION (CC1021)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE #

MAY, 1960

AEROVIRONMENT INC.

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*
* FINAL DATA *
* AS OF 31/MAR/A1 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV		
1	140	165	135	140	135	150	155	35	50	50	45	55	55	60	200	250	285	235	195	315	105	175	205	160	8		
2	135	165	175	130	140	205	85	300	320	300	285	(VAI)	100	160	150	185	205	215	200	140	130	125	135	130	7		
3	90	165	50	95	140	165	245	45	35	350	305	290	310	295	340	340	65	100	175	145	135	175	(VAI)	105	(VAI)		
4	255	135	180	245	150	180	285	310	(VAI)	275	345	285	300	320	310	20	340	100	100	85	195	340	80	140	1A		
5	150	70	260	280	145	150	125	95	55	45	345	310	285	275	290	20	35	70	155	190	135	210	(VAI)	225	A		
6	90	(VAI)	140	135	145	200	150	95	105	65	275	300	355	205	165	140	110	140	155	175	220	200	160	7	7		
7	180	145	160	180	135	85	95	45	300	285	255	185	135	110	90	65	350	240	(VAI)	100	70	100	110	5	5		
8	135	165	150	160	170	200	200	195	200	205	265	125	10	65	295	290	250	215	185	210	205	175	145	160	10		
9	180	220	170	230	215	70	295	40	205	230	215	180	185	180	205	250	300	335	25	25	240	265	135	11	11		
10	165	70	140	185	235	290	90	65	45	195	185	190	175	165	180	180	195	280	275	270	(VAI)	130	125	9	9		
11	130	(VAI)	275	240	260	275	270	230	10	55	290	250	230	140	95	215	130	(VAI)	5	95	130	170	280	220	13	13	
12	190	160	190	180	180	180	225	170	185	225	200	220	230	235	250	235	285	5	(VAI)	100	155	120	115	165	9	9	
13	115	165	100	190	(VAI)	115	245	(VAI)	325	325	335	305	265	240	295	(VAI)	195	150	120	120	115	130	140	125	6	6	
14	135	70	115	(VAI)	205	(VAI)	55	350	285	285	320	10	145	85	50	50	55	70	105	200	165	180	240	235	3	3	
15	130	210	165	150	140	130	100	270	300	300	275	305	270	275	255	260	260	235	75	150	235	235	130	110	13	13	
16	125	150	155	150	(VAI)	175	255	230	255	275	270	260	220	140	10	330	295	295	275	270	220	165	240	175	13	13	
17	140	150	225	250	255	255	260	285	275	275	320	355	30	340	340	5	50	45	50	70	90	120	145	145	12	12	
18	115	170	135	200	140	180	285	300	300	305	335	320	5	275	45	335	340	295	285	340	85	130	140	155	14	14	
19	180	180	(VAI)	185	(VAI)	120	210	120	315	315	305	285	240	300	285	315	30	315	50	90	130	135	145	140	15	15	
20	150	200	(VAI)	(VAI)	125	120	105	40	340	20	15	5	30	350	355	0	70	320	45	70	105	140	145	150	(VAI)	7	7
21	135	180	225	130	180	155	125	40	300	350	320	355	320	300	310	325	335	30	50	90	135	150	145	135	7	7	
22	165	135	(VAI)	245	80	255	(VAI)	(VAI)	285	340	15	25	260	190	170	160	190	215	235	210	215	180	150	225	9	9	
23	220	215	200	180	170	190	175	190	210	175	170	170	190	175	180	180	175	170	185	110	95	170	185	185	9	9	
24	165	165	165	170	165	175	165	185	185	195	190	195	210	250	250	245	240	160	150	225	220	190	205	195	9	9	
25	200	210	210	200	180	170	195	230	220	220	240	245	240	210	275	315	45	90	110	145	150	190	140	10	10		
26	255	145	160	120	160	355	115	40	340	355	290	230	210	205	230	225	185	215	225	295	55	105	140	145	(VAI)	4	4
27	190	135	150	145	225	200	175	(VAI)	180	200	190	225	190	210	145	205	220	220	195	195	205	205	155	145	10	10	
28	150	180	140	135	100	280	85	160	180	180	140	190	205	210	220	210	185	180	215	235	200	230	270	270	9	9	
29	270	285	300	50	120	220	245	25	220	280	265	285	265	275	255	255	265	265	265	320	240	20	90	225	13	13	
30	(VAI)	145	170	135	225	220	335	305	25	325	320	310	315	325	210	205	205	220	210	195	200	135	140	110	10	10	
31	175	165	145	195	175	195	260	280	295	290	290	305	305	295	250	265	260	215	205	295	285	225	240	(VAI)	1A	1A	
PV	7	A	8	9	7	9	(VAI)	(VAI)	14	14	15	15	14	13	10	12	10	11	10	5	7	9	7	7	9	9	

WIND DIRECTION [CC102]

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE #

MAY, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SSE	SE	SE	SE	SSE	SE	NE	NE	NE	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
2	SE	SSE	SE	SE	SE	SSE	SE	NE	NE	NE	ENE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
3	E	SSE	NE	E	SE	SSE	SSW	NE	N	NW	WNW	WNW	NW	WNW	ENE	E	S	S	S	SE	S	(VA)	SE	(VA)	SE
4	WSW	SE	S	WSW	SSE	S	WNW	NW	WNW	WNW	NW	WNW	NW	WNW	ENE	E	E	E	E	E	SSW	WNW	E	SE	WNW
5	SSE	ENE	W	W	SE	SSE	SE	E	E	ENE	ENE	W	WNW	W	WNW	ENE	ENE	ENE	ENE	S	S	SSW	(VA)	SSW	SSW
6	E	(VA)	SE	SE	SE	SSE	E	NE	WNW	WNW	SSW	S	SSE	SE	SE	SE	SE	SE	SE	SSW	S	S	SSW	SSW	SE
7	S	SSE	SSE	S	SE	S	E	NE	WNW	WNW	SSW	S	SSE	SE	SE	SE	SE	SE	SE	(VA)	E	ENE	E	ESE	E
8	SE	SSE	SSE	S	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SE	SSW	SSW
9	S	SSW	S	SSW	SSW	FNE	WNW	NE	SSW	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
10	SSE	ENE	SE	S	SSW	WNW	E	ENE	NE	SSW	S	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	SE	(VA)	W	WSW	W	W	W	W	W	WNW	SSW	S	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	S	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	ESE	SSE	E	S	(VA)	ESE	SSW	(VA)	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	SE	ENE	ESE	(VA)	SSW	(VA)	NE	N	WNW	WNW	N	SE	E	NE	NE	NE	NE	NE	NE	SSW	SSW	SSW	SSW	SSW	SSW
15	SE	SSW	SSE	SSE	SE	SE	E	W	WNW	WNW	W	W	W	WSW	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
16	SE	SSE	SSE	SSE	(VA)	S	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
17	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
18	ESE	S	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	S	S	(VA)	S	(VA)	ESE	SSW	ESE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
20	SSE	SSW	(VA)	(VA)	SE	ESE	ESE	NE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
21	SE	S	SSW	SE	S	SSE	SE	NE	WNW	WNW	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
22	SSE	SE	(VA)	WSW	E	WSW	(VA)	(VA)	WNW	WNW	ENE	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW
23	S	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	SSE	SSE	SSE	S	SSE	S	S	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
26	WSW	SE	SSE	ESE	SSE	N	ESE	NE	WNW	N	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	S	SE	SSE	SE	SSW	S	(VA)	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW	S	SSW
28	SSE	S	SE	SE	E	W	E	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
29	W	WNW	WNW	NE	ESE	SSW	SSW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
30	(VA)	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
31	S	SSE	SE	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
PV	SE	SSE	SSE	S	SE	S	(VA)	(VA)	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION ICC:021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 JUN. 1960
 AEROMONUMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	15	(VA)	135	140	150	135	130	0	60	320	315	310	60	125	200	(VA)	220	70	155	135	120	130	150	135	7
2	135	145	135	145	190	140	145	(VA)	225	(VA)	165	200	195	195	200	200	200	190	195	165	165	160	150	140	(VA)
3	110	150	160	165	165	155	95	190	190	195	180	195	180	205	205	190	200	180	195	200	205	205	170	155	9
4	135	160	170	175	170	175	175	205	205	185	180	210	205	205	215	230	235	230	220	205	170	170	180	175	10
5	190	235	210	140	150	145	130	115	15	285	185	210	195	205	225	235	225	215	205	190	165	175	165	215	10
6	240	225	195	190	180	195	220	245	240	235	240	245	245	235	245	235	240	280	295	295	315	300	265	90	12
7	125	135	140	135	110	125	110	25	330	300	315	330	315	25	295	320	300	15	0	10	100	130	115	125	7
8	140	215	195	210	(VA)	50	110	295	305	295	310	290	320	320	325	315	340	325	10	40	80	125	130	170	15
9	160	265	265	100	130	135	115	55	340	275	295	280	330	290	300	310	350	20	30	40	110	140	140	135	7
10	210	245	135	230	(VA)	140	75	305	50	305	325	325	(VA)	190	180	205	200	200	190	195	175	150	190	10	10
11	165	205	210	195	200	185	190	195	170	165	165	260	225	225	20	20	80	205	200	175	180	205	195	235	10
12	240	235	225	200	160	160	160	205	195	215	235	240	220	175	170	210	240	240	220	235	200	220	220	195	11
13	220	210	195	220	200	195	240	125	155	40	125	190	190	205	195	210	220	195	225	215	215	200	190	170	10
14	170	170	165	140	135	130	115	170	210	225	235	235	240	235	240	235	240	235	265	290	290	300	275	265	11
15	275	90	50	105	120	115	120	100	(VA)	270	255	285	290	290	295	305	300	300	295	305	275	285	265	290	14
16	105	120	(VA)	65	65	230	(VA)	295	295	275	250	255	330	300	280	300	285	320	320	50	130	145	145	140	14
17	145	225	260	155	120	(VA)	80	335	15	355	345	310	310	285	280	5	345	355	305	265	205	155	140	130	14
18	150	160	190	240	60	90	75	290	285	300	300	330	285	235	220	225	255	260	230	250	290	160	195	(VA)	14
19	155	250	150	155	130	125	125	115	100	345	260	305	295	200	195	230	255	265	275	135	120	135	175	7	7
20	160	(VA)	145	225	290	(VA)	65	280	20	40	340	15	275	180	205	210	185	220	175	185	180	180	175	165	9
21	200	235	235	195	175	245	110	(VA)	40	350	305	235	210	230	240	260	265	260	245	235	215	195	205	190	11
22	130	190	200	240	230	195	205	(VA)	35	10	305	295	275	245	185	225	210	235	220	175	165	165	140	9	9
23	180	180	145	150	150	160	125	150	175	180	165	175	220	225	220	220	230	220	215	200	170	205	250	125	9
24	110	160	110	140	145	270	60	340	325	320	250	200	205	210	225	205	220	230	235	205	160	170	190	185	10
25	160	165	150	170	125	60	175	280	0	240	175	200	190	220	225	200	185	190	200	190	220	170	165	160	9
26	160	160	155	185	265	100	135	130	190	185	180	210	280	220	230	235	225	240	215	170	150	185	200	215	9
27	250	265	255	235	265	260	260	295	290	280	310	300	295	295	295	295	295	305	300	285	270	255	250	260	13
28	275	145	140	135	140	265	290	310	340	290	285	260	300	(VA)	0	55	40	120	155	150	150	150	120	160	7
29	130	150	(VA)	290	135	145	135	105	315	310	300	310	295	180	280	255	265	275	235	160	195	140	175	(VA)	14
30	80	165	270	200	235	150	(VA)	215	225	235	290	280	300	335	70	330	315	300	330	330	280	(VA)	235	(VA)	11
PV	7	6	7	7	8	8	6	6	14	9	15	14	10	10	10	11	11	11	11	9	9	9	9	9	9

WIND DIRECTION (CC1021)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

LEVEL HEIGHT : 10 METERS

JUN, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	NNE	(VA)	SE	SE	SSE	SE	SE	N	ENE	NW	NW	NW	E	SE	SSW	(VA)	SW	ENE	SSE	SE	ESE	SF	SSE	SF	SF
2	SE	SE	SE	SE	S	SE	SE	SE	(VA)	SW	(VA)	S	S	SSW	SSW	SSW	SSW	S	SSE	S	SSE	SSE	SSE	SSE	(VA)
3	ESE	SSE	SSE	SSE	SSE	E	S	S	S	SSW	S	SSW	S	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	S
4	SE	SSE	S	S	S	S	SSE	SSE	SSE	S	S	S	SSE	SSE	S	SW	SW	SW	SW	SW	SW	S	S	S	SSW
5	S	SW	SSW	SE	SSE	SE	SE	ESE	NNE	WNW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW
6	WSW	SW	SSW	S	S	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
7	SE	SE	SE	SE	ESE	SE	ESE	NNE	NNE	NW	NNE	NW	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	WSW
8	SE	SW	ESE	SSW	(VA)	NE	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	SSE	W	E	SE	SE	SE	ESE	ENE	ENE	W	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
10	SSW	WSW	SE	SW	(VA)	SE	ENE	NW	NE	NW	WNW	WNW	(VA)	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	SSE	SSW	SSW	SSW	SSW	S	S	SSW	S	SSE	S	W	SW	SW	NNE	E	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	WSW	SW	SW	SSW	SSE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13	SW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	S	S	SSE	SE	SE	SE	SE	S	SSW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	W	E	NE	ESE	ESE	ESE	ESE	(VA)	(VA)	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
16	ESE	ESE	(VA)	ENE	ENE	SW	(VA)	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
17	SE	SW	W	WSW	ENE	E	ENE	WNW	WNW	N	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
18	SSE	SSE	S	WSW	ENE	E	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
19	SSE	WSW	SSE	SSE	SE	SE	SE	ESE	E	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
20	SSE	(VA)	SE	SW	WNW	(VA)	ENE	W	NNE	NE	NW	NW	W	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
21	SSW	SW	SW	SE	S	WSW	ESE	(VA)	(VA)	NE	NW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	SE	S	SSW	WSW	SW	SSW	SSW	(VA)	NE	N	NW	WNW	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
23	S	S	S	SE	SSE	SSE	SSE	SSE	S	SSE	S	S	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
24	ESE	SSE	ESE	SE	SE	W	ENE	WNW	NW	NW	WSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	SSE	SSE	SSE	W	SE	ENE	S	W	N	WSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
26	WSW	W	WSW	WSW	W	E	SE	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	WSW	W	WSW	WSW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	W	SE	SF	SF	SSE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	SE	SSE	(VA)	WNW	SF	SE	SE	ESE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
30	E	S	W	SSW	SW	SSE	(VA)	SW	SW	SW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SE	SSE	SE	SF	SSE	SSE	ESE	WNW	S	NW	WNW	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 4
 JUL, 1980
 AEROVIRONMENT INC.

.....
 *
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	65	90	120	110	(VA)	260	(VA)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
3	140	125	150	135	215	320	85	90	5	305	310	300	300	65	5	255	235	210	235	215	230	315	80	105	11	
4	120	140	35	75	105	70	105	80	305	260	335	290	275	315	350	295	280	280	255	235	165	145	145	150	7	
5	150	155	60	240	250	195	295	230	305	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	12	
6	(RF)	(RF)	(RF)	(RF)	(VA)	(VA)	(VA)	(VA)	(VA)	50	25	310	320	340	285	265	260	210	220	200	185	250	185	150	9	
7	210	140	160	135	(VA)	135	130	110	185	290	305	130	185	180	180	185	180	175	175	175	140	215	135	170	9	
8	155	140	150	160	195	170	175	200	235	240	240	245	250	230	235	260	255	265	270	190	145	115	155	(VA)	12	
9	105	160	170	220	155	65	340	320	295	305	310	315	285	315	40	10	30	45	330	75	195	160	140	200	15	
10	165	220	(VA)	160	250	130	70	100	40	55	300	310	270	250	175	220	240	240	215	180	165	155	130	90	(VA)	
11	265	235	240	190	85	65	175	295	345	305	295	325	305	(VA)	130	160	140	115	105	100	105	160	160	135	A	
12	120	175	275	220	185	165	165	155	(VA)	210	235	260	185	175	170	205	270	300	315	165	160	160	200	255	9	
13	215	245	225	170	180	195	170	130	180	200	200	325	240	250	260	185	140	290	45	95	180	115	135	160	9	
14	145	115	185	215	175	165	175	215	245	265	285	220	230	225	240	255	250	250	240	220	190	175	255	230	12	
15	240	200	220	(VA)	150	200	185	225	280	260	260	280	285	280	285	285	285	290	295	300	285	260	255	185	13	
16	180	(VA)	125	185	150	205	330	330	340	15	290	275	305	275	300	295	300	350	95	115	135	145	160	185	14	
17	130	240	285	(VA)	140	170	320	60	335	340	300	305	305	270	290	250	255	260	290	310	295	255	140	120	14	
18	95	85	45	85	80	95	125	290	295	305	285	285	310	295	285	265	245	255	240	205	175	165	140	245	14	
19	305	230	240	215	205	240	225	235	315	305	300	290	250	245	245	250	280	310	310	300	270	270	265	240	12	
20	185	325	315	290	115	(VA)	280	305	310	315	285	315	(VA)	275	275	280	330	350	350	20	75	(VA)	325	315	15	
21	145	195	0	120	280	285	280	280	285	315	310	310	275	275	300	300	295	300	300	300	255	240	165	240	14	
22	115	150	155	150	(VA)	40	80	55	20	310	305	275	285	280	300	300	305	310	265	245	220	205	235	185	14	
23	155	180	(VA)	230	45	115	145	170	245	290	270	270	305	255	215	240	245	250	240	175	215	(VA)	140	140	12	
24	(VA)	155	125	70	135	55	120	105	320	320	295	295	310	320	310	310	285	300	55	85	80	150	145	250	14	
25	210	205	355	240	185	55	90	(VA)	285	310	305	310	310	285	255	260	(VA)	110	145	140	125	175	230	235	15	
26	25	70	135	155	235	110	(VA)	335	30	315	330	325	295	260	290	325	20	125	145	135	120	105	105	7		
27	140	160	205	220	175	120	240	70	350	(VA)	(VA)	35	285	30	325	290	330	10	40	75	175	150	220	15		
28	10	70	(VA)	255	105	(VA)	120	180	280	310	15	315	305	285	300	325	325	335	290	290	205	150	150	140	14	
29	220	200	205	220	185	155	140	(VA)	290	295	280	290	270	190	355	50	295	265	275	270	270	180	130	13		
30	150	280	250	140	215	(VA)	95	20	15	335	275	280	285	290	295	300	305	305	160	145	55	95	115	(VA)	14	
31	255	(VA)	200	160	95	140	(VA)	230	10	40	5	0	340	75	290	(VA)	290	105	295	295	290	255	225	150	14	
PV	7	8	8	8	9	8	7	5	15	14	14	14	14	13	14	13	14	14	(VA)	9	7	A	8	9	14	

WIND DIRECTION (CCROPT)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 4

LFVEL HEIGHT : 10 METERS

JUL, 1960

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
3	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
4	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
7	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
8	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
9	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
12	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
13	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
17	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
18	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
20	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)
25	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
26	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
28	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
29	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
30	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
31	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 AUG, 1980
 AERODIVINMENT INC.

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 *
 * FINAL DATA
 * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	225	220	225	90	145	145	155	240	130	IVA1	325	280	300	295	265	210	220	195	220	115	115	130	125	7		
2	130	220	230	145	165	170	235	IVA1	260	285	300	285	280	290	275	275	290	280	295	295	275	270	270	230	13	
3	230	190	155	175	190	150	170	IVA1	335	270	265	270	265	265	275	285	290	290	290	290	285	270	275	260	13	
4	230	235	135	220	220	250	205	155	305	300	295	275	300	295	285	290	265	280	295	290	270	250	175	195	13	
5	115	145	150	80	120	230	85	IVA1	290	300	310	285	305	IVA1	270	225	255	255	235	235	200	185	160	195	11	
6	210	205	245	220	170	230	220	240	255	285	240	230	250	245	245	255	245	245	235	235	200	165	165	250	11	
7	245	210	205	175	250	135	125	IVA1	310	315	340	310	310	310	350	IVA1	50	315	145	110	120	155	155	95	IVA1	
8	135	115	135	130	115	120	315	265	295	310	320	305	295	260	260	260	260	250	265	195	215	285	240	135	13	
9	120	155	130	220	190	195	185	200	235	255	275	300	280	285	265	275	290	290	300	300	335	280	100	135	13	
10	150	295	200	IVA1	265	160	160	130	310	300	65	280	305	295	295	290	285	290	295	295	295	285	190	125	14	
11	125	160	175	345	240	IVA1	285	0	300	300	300	335	305	310	280	295	265	280	310	20	110	185	145	145	14	
12	140	130	180	115	IVA1	90	90	150	140	215	225	285	300	275	350	IVA1	210	IVA1	100	125	145	165	110	130	7	
13	180	290	245	195	170	160	160	60	310	260	255	305	285	300	175	325	325	55	130	230	IVA1	160	205	165	0	A
14	135	135	200	140	225	145	100	95	90	310	270	295	250	115	155	155	220	245	220	260	280	185	100	155	9	7
15	225	165	210	135	155	100	120	IVA1	120	330	255	70	145	170	235	300	300	290	200	140	150	145	130	150	7	14
16	240	95	240	185	145	140	145	130	IVA1	300	320	315	295	275	290	305	330	40	50	80	85	75	170	IVA1	15	15
17	120	130	135	140	200	210	IVA1	350	330	315	295	310	310	220	90	180	225	245	250	245	225	205	190	205	10	10
18	175	IVA1	275	235	250	270	IVA1	335	120	210	225	210	200	200	230	210	210	215	210	190	165	170	145	180	10	10
19	185	195	190	200	200	190	195	215	235	240	230	240	255	290	290	280	275	295	275	265	265	245	240	275	13	13
20	285	225	170	155	170	40	140	205	280	305	270	265	290	270	280	305	305	30	55	100	140	130	155	125	13	13
21	80	150	140	155	260	145	355	75	310	300	305	315	295	295	300	320	5	15	60	100	185	145	140	150	15	15
22	130	210	165	115	95	IVA1	350	345	280	20	30	340	210	210	205	215	230	230	230	210	205	160	165	180	10	10
23	185	210	205	180	160	175	180	IVA1	220	230	230	210	175	140	150	245	IVA1	185	130	165	170	145	120	150	10	9
24	190	255	255	215	215	195	190	185	195	235	270	270	280	255	220	190	160	175	210	290	235	135	150	135	11	11
25	250	195	125	145	145	135	105	115	115	215	235	260	235	330	315	305	95	135	140	250	165	135	130	115	7	7
26	230	235	215	200	175	150	140	140	140	0	65	IVA1	35	315	340	295	260	185	225	220	40	135	140	145	7	7
27	170	150	165	345	IVA1	130	70	80	50	305	320	5	25	340	225	235	245	240	IVA1	215	150	215	205	11	11	
28	215	200	245	195	200	95	IVA1	IVA1	50	325	295	225	230	240	240	230	235	210	190	170	145	150	190	190	11	11
29	200	205	220	195	205	205	195	205	225	195	205	230	200	200	205	200	180	175	170	170	165	170	175	170	10	10
30	170	105	210	195	195	185	185	240	270	300	45	245	285	285	270	270	280	290	300	285	290	300	255	195	13	13
31	350	150	225	135	135	150	330	345	15	0	285	290	305	310	285	290	310	310	320	330	345	40	120	150	15	15
PV	11	10	10	10	9	8	9	IVA1	15	14	14	14	14	14	13	14	13	12	IVA1	IVA1	6	7	7	7	19	19

WIND DIRECTION 1CC10P1

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

LEVEL HEIGHT 1 10 METERS

AUG. 1960

AEROVIRNMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SW	SW	SW	E	SE	SE	SSE	WSW	SE	IVAI	NW	WNW	WNW	WNW	W	SSW	SW	SSW	SW	ESE	WNW	ESE	SE	SE	SE
2	SE	SW	SW	SE	SSE	S	SW	(VA)	W	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
3	SW	S	SSE	S	SSE	S	(VA)	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
4	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
5	ESE	SE	SSE	E	ESE	SW	E	(VA)	WNW	WNW	NW	WNW	WNW	(VA)	W	SSW	SW	SSW	SW	ESE	WNW	ESE	SE	SE	SE
6	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
7	WSW	SSW	SSW	S	WSW	SE	SE	(VA)	NW	NW	NW	NW	NW	(VA)	NE	NW	SE	SSW	SW	ESE	WNW	ESE	SE	SE	SE
8	SE	SE	SE	SE	ESE	ESE	NW	W	WNW	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W
9	ESE	SSE	SE	SW	S	SSW	S	SSW	SW	SW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SSE	WNW	SSW	(VA)	S	SSE	SE	NW	WNW	ENE	W	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
11	SE	SSE	S	NW	WSW	IVAI	WNW	N	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W
12	SE	SE	S	ESE	IVAI	E	SSE	ENE	WNW	W	WNW	WNW	WNW	W	N	(VA)	SSW	IVAI	E	SE	SE	ESE	SE	SE	SE
13	S	WNW	WSW	SSE	S	SSE	ENE	WNW	W	WSW	NW	WNW	WNW	S	NW	NW	NE	NE	SE	SW	IVAI	SSE	SSK	SSK	SSK
14	SE	SE	SE	SE	SW	SE	E	E	NW	W	WNW	WSW	WSW	ESE	SSE	SSW	SW	SSW	SW	W	WSW	SE	E	SSE	SE
15	SW	SSE	SSW	SE	SSE	E	ESE	(VA)	ESE	SW	WSW	ENE	SE	S	SW	WNW	WNW	WNW	WNW	SE	SE	SE	SE	SE	SE
16	WSW	E	WSW	S	SE	SE	SE	(VA)	WNW	NW	WNW	NW	WNW	W	WNW	NW	WNW	WNW	WNW	NE	E	E	ENE	ESE	(VA)
17	ESE	SE	SE	SE	SE	SSW	SSW	(VA)	NNW	ENE	SW	SSW	SSW	SW	E	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
18	S	IVAI	W	SW	WSW	W	(VA)	NNW	ENE	SW	WSW	WSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	S	SSW	S	SSW	SSW	S	SSW	SSW	SW	WSW	SW	WSW	WSW	WNW	W	W	W	W	W	W	W	W	W	W	W
20	WNW	SW	S	SSE	S	NE	SE	SSW	W	NW	W	WNW	W	W	NW	NW	NW	NW	NW	E	SE	SE	SE	SE	SE
21	E	SSE	SE	SSE	W	SE	N	ENE	NW	WNW	NW	WNW	WNW	WNW	N	NNE	NNE	NNE	NNE	E	S	SE	SE	SE	SE
22	SE	SSW	SSE	ESE	E	IVAI	N	WNW	W	NNE	NNE	NNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
23	S	SSW	SSW	S	SSE	S	(VA)	SW	SW	SW	SSW	S	SE	SSE	WSW	IVAI	S	SSW	SSW	S	SSW	S	SSW	S	S
24	S	WSW	WSW	SW	SW	SSW	S	SSW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	WSW	SSW	SE	SE	SE	ESE	ESE	ESE	SE	N	ENE	IVAI	NE	WNW	WNW	NW	E	SE	SE	WSW	SSW	SSW	SSW	SSW	SSW
26	SW	SW	SW	SW	S	SSE	SE	SE	SE	N	ENE	IVAI	NE	WNW	WNW	NW	E	SE	SE	WSW	SSW	SSW	SSW	SSW	SSW
27	S	SSE	SSW	(VA)	SE	ENE	E	NE	WNW	NW	NW	NW	NW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
28	SW	SSW	SSW	SSW	SSW	E	(VA)	(VA)	NE	NW	WNW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
29	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
30	S	ESE	SSW	SSW	S	S	SSW	W	WNW	NE	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W
31	N	SSE	SW	SE	SSE	NNW	NNW	NNE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SW	SSW	SSW	S	SSE	S	IVAI	NW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	WSW	(VA)	IVAI	SSE	SE	SE	SE	SE	SE

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 SEP. 1980
 AEROSPIROMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	195	350	125	165	195	(VA)	165	(VA)	290	0	20	300	320	280	355	305	320	340	80	110	155	220	195	210	15	
2	145	175	180	155	(VA)	70	85	(VA)	70	35	350	290	305	280	240	240	245	245	225	160	180	190	195	235	(VA)	
3	195	205	200	295	250	(VA)	145	245	235	265	300	285	280	295	300	285	295	280	290	275	315	100	220	125	13	
4	150	(VA)	130	160	305	75	(VA)	90	315	60	295	305	290	325	305	295	310	60	120	110	140	145	170	15		
5	235	120	175	270	80	(VA)	55	80	75	350	355	325	280	315	295	285	285	320	75	130	155	145	130	14		
6	160	(VA)	230	180	160	160	160	165	170	230	240	205	210	175	255	290	290	305	(VA)	215	170	160	180	195	9	
7	175	205	210	(VA)	250	185	265	285	285	285	290	70	115	50	320	310	200	170	215	165	135	135	175	240	9	
8	270	275	165	155	145	130	210	285	290	285	285	270	140	80	(VA)	280	340	20	245	265	110	(VA)	155	13		
9	150	105	140	100	80	105	120	120	90	90	95	70	45	45	75	40	350	275	270	280	275	275	275	285	5	
10	270	270	50	35	35	345	(VA)	75	325	0	280	280	260	330	150	(VA)	135	90	210	195	205	175	205	285	13	
11	215	270	135	90	165	215	175	170	275	220	230	235	245	250	245	245	255	275	250	255	240	240	235	235	12	
12	210	225	240	235	230	230	175	115	240	270	260	250	290	325	330	345	155	110	170	105	140	145	160	215	12	
13	155	130	140	240	135	220	(VA)	30	315	50	10	185	200	185	210	220	195	185	175	170	155	115	120	9		
14	150	165	125	155	165	160	155	125	115	150	190	210	290	275	290	310	305	305	240	200	145	175	105	130	8	
15	150	35	290	270	(VA)	260	200	90	95	(VA)	310	295	300	290	260	255	245	245	240	230	225	210	195	220	12	
16	225	230	(VA)	165	215	230	240	235	250	310	290	280	275	275	275	270	280	280	275	270	260	250	230	280	12	
17	205	230	(VA)	165	215	230	240	235	250	310	290	280	275	275	275	270	280	280	275	270	260	250	230	280	12	
18	(VA)	(VA)	(VA)	60	200	(VA)	60	200	(VA)	60	200	(VA)	60	200	(VA)	60	200	(VA)	60	200	(VA)	60	200	(VA)	60	18
19	185	215	210	205	200	195	195	190	205	235	245	250	250	250	250	260	305	290	170	195	180	180	205	145	9	
20	120	255	140	140	140	145	135	(VA)	(VA)	310	300	310	290	305	295	275	320	(VA)	250	220	190	170	145	145	10	
21	180	115	165	250	245	275	175	235	280	300	300	305	290	290	300	295	290	320	305	300	295	265	125	60	14	
22	75	70	85	75	75	85	295	275	290	350	35	0	330	330	315	325	285	310	45	110	140	255	165	90	4	
23	(VA)	(VA)	(VA)	145	150	135	75	85	290	290	290	290	275	300	305	305	350	20	10	120	170	260	260	255	14	
24	175	(VA)	180	170	170	175	95	110	55	290	260	275	280	275	310	310	310	310	30	95	135	170	(VA)	125	9	
25	130	120	100	85	110	110	305	270	290	295	300	295	295	285	285	295	290	310	190	125	140	145	135	(VA)	14	
26	(VA)	135	150	130	135	105	80	70	55	40	320	300	295	280	290	300	320	50	90	135	140	155	165	165	7	
27	200	75	115	230	125	150	185	95	40	295	295	290	305	290	290	310	330	0	105	140	120	135	155	140	7	
28	180	265	80	140	135	175	215	(VA)	75	30	340	295	295	300	300	285	265	235	230	220	225	225	235	250	11	
29	250	110	(VA)	135	(VA)	125	160	135	(VA)	50	300	270	285	245	280	305	300	355	285	(VA)	135	145	190	130	(VA)	
30	180	170	160	170	120	60	(VA)	125	120	60	315	280	285	300	285	310	0	300	320	195	190	215	280	260	14	
PV	9	6	7	8	7	7	7	6	14	14	14	14	14	14	14	14	14	14	12	11	9	7	10	12	14	

WIND DIRECTION (CC102)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 4

SEP, 1960

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSW	N	SE	SSE	SSW	(VA)	SSE	(VA)	WNW	N	NNE	WNW	NW	W	N	NW	NW	NW	E	ESE	SSE	SW	SSW	SSW	NW
2	SE	S	SSE	(VA)	(VA)	(VA)	E	(VA)	ENE	NE	N	WNW	NW	W	WNW	WSW	WSW	WNW	SW	S	SSE	SW	SSW	SSW	(VA)
3	SSW	SSW	SSW	WSW	(VA)	(VA)	SE	WSW	SW	W	WNW	WNW	W	WNW	WNW	WNW	WNW	W	WNW	W	NW	E	SW	SE	W
4	SSE	(VA)	SE	SSE	NW	ENE	(VA)	E	NW	ENE	WNW	NW	WNW	NW	WNW	WNW	WNW	ENE	ESE	ENE	SE	SE	SE	NW	
5	SW	ESE	S	W	E	(VA)	NE	E	ENE	N	N	NW	W	NW	NW	WNW	WNW	NW	ENE	ENE	SE	SE	SE	WNW	
6	SSE	(VA)	SW	S	SSE	SSE	S	W	WNW	WNW	WNW	SSW	S	WSW	WNW	WNW	WNW	NW	(VA)	SW	SSE	S	SSW	S	
7	S	SSW	SSW	(VA)	WSW	S	SE	SSW	WNW	WNW	WNW	ENE	ENE	NE	NW	SSW	S	SSW	SW	SSE	SE	SE	S	WSW	
8	W	W	SSE	SSE	SE	SE	SE	ENE	ENE	E	E	ENE	NE	E	(VA)	W	WNW	NNE	WSW	W	ESE	(VA)	SSE	W	
9	SSE	ESE	SE	E	E	ENE	ENE	E	E	E	ENE	NE	NE	NE	W	W	W	W	W	W	W	W	W	W	
10	W	W	NE	NE	NE	NE	NE	NE	NW	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
11	SW	W	SE	E	SSE	SW	S	W	SW	W	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
12	SSW	SW	WSW	SW	SW	SW	S	ESE	WSW	W	W	WSW	WNW	NW	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	
13	SSE	SE	SE	WSW	SE	SW	(VA)	NNE	NW	NE	N	S	SSW	S	SSW	SSW	SSE	ESE	S	S	SSE	ESE	ESE	SSW	
14	SSE	SSE	SE	SSE	SSE	SSE	SE	SE	ESE	SSE	S	SSW	WNW	W	WNW	NW	NW	WSW	WSW	WSW	S	ESE	ESE	SSW	
15	SSE	NE	WNW	W	(VA)	W	SSW	E	E	(VA)	NW	WNW	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
16	SW	SW	WSW	WSW	SW	WSW	SW	WSW	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
17	SSW	SW	(VA)	SSE	SW	SW	S	ESE	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
18	(VA)	(VA)	(VA)	ENE	SSW	(VA)	E	SSE	WNW	WNW	WNW	NNE	W	SW	S	SSW	S	S	S	S	SSE	S	S	S	
19	S	SW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	(VA)	WNW	WNW	WNW	WNW	WNW	
20	ESE	WSW	SE	SE	SE	SE	SE	(VA)	(VA)	NW	WNW	NW	WNW	NW	WNW	W	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
21	S	ESE	SSE	WSW	WNW	W	S	SW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
22	ENE	ENE	E	FNE	ENE	E	WNW	W	WNW	N	RE	N	NW	N	NW	NW	NW	NW	NE	ESE	SE	WSW	SSE	E	
23	(VA)	(VA)	(VA)	SE	SSE	SE	ENE	E	WNW	WNW	WNW	W	WNW	W	WNW	N	NW	NW	N	ESE	S	W	W	W	
24	S	(VA)	S	S	S	S	E	ESE	NE	WNW	W	W	W	W	NW	NW	NW	NNE	E	SE	S	(VA)	(VA)	SE	
25	SE	ESE	E	E	ESE	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S	SE	SE	SE	(VA)	WNW	
26	(VA)	SE	SE	SE	ESE	E	ENE	ENE	NE	NE	WNW	WNW	WNW	W	WNW	WNW	WNW	NE	E	SE	SE	SSE	SSE	SE	
27	SSW	ENE	ESE	SW	SE	SSE	S	E	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	N	ESE	SE	SE	SE	SE	SE	
28	S	W	E	SE	SE	S	SW	(VA)	ENE	NNE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SW	SW	SW	SW	SW	SW	SW	
29	WSW	ESE	(VA)	SE	(VA)	SE	SSE	SE	(VA)	RE	WNW	W	WNW	WNW	W	NW	WNW	N	WNW	(VA)	SE	SE	SE	(VA)	
30	S	S	SSE	S	ESE	FNE	(VA)	SE	ESE	ENE	NW	W	WNW	WNW	WNW	N	WNW	NW	WNW	SSW	S	SW	W	W	
PV	S	ESE	SE	SSE	SE	SE	S	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	(VA)	WSW	SW	S	SE	SSW	WSW	

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 OCT, 1980
 AEROVIRONMENT INC.

WIND DIRECTION ICC102)
 DEGREES
 LEVEL HEIGHT 1 10 METERS

.....
 *
 * FINAL DATA
 * AS OF 31/MAR/81
 *
 *.....

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	70	145	125	50	95	160	140	140	IVA	5	265	260	265	315	295	295	5	55	95	75	30	305	10	295	14
2	85	100	100	100	110	85	95	100	80	65	50	40	55	55	25	40	70	10	90	130	190	255	IVA	205	5
3	IVA	155	IVA	30	110	135	65	170	20	335	10	300	325	IVA	290	285	265	65	115	130	180	IVA	320	IVA	14
4	130	IVA	125	125	140	155	140	175	325	290	295	285	290	260	320	325	15	110	140	140	IVA	150	210	95	7
5	140	345	115	130	150	225	110	120	IVA	315	280	320	315	325	295	345	0	285	270	90	115	120	120	135	6
6	285	80	265	235	105	140	125	140	125	305	275	310	310	325	295	300	270	275	240	190	145	145	140	200	15
7	145	145	IVA	105	160	160	IVA	75	65	290	290	310	295	285	310	310	25	235	IVA	100	115	IVA	175	65	14
8	150	170	IVA	100	135	165	150	95	115	40	275	300	300	300	325	20	55	15	75	135	205	270	255	265	IVA
9	IVA	130	140	140	130	135	115	140	215	285	300	305	285	45	345	315	330	265	260	70	95	120	75	140	7
10	130	125	85	85	95	85	95	45	70	50	45	35	10	10	50	300	5	265	265	50	265	285	IVA	55	3
11	105	160	75	70	130	IVA	65	90	80	285	315	285	295	305	355	285	0	230	205	180	175	180	145	190	9
12	190	175	250	270	90	50	260	280	IVA	295	275	260	300	275	215	155	130	165	175	205	230	215	150	160	13
13	160	230	275	135	120	105	135	IVA	300	290	IVA	310	290	320	40	120	110	170	170	195	285	335	IVA	145	IVA
14	145	135	95	IVA	250	250	255	240	320	IVA	55	270	85	255	75	345	200	165	115	210	285	60	180	100	IVA
15	145	160	165	175	160	175	170	95	170	180	115	165	IVA	200	205	175	130	175	150	160	55	50	315	280	9
16	285	275	285	270	260	255	280	45	40	30	45	60	95	35	305	295	205	240	235	240	250	245	260	255	13
17	260	255	100	115	210	145	210	205	215	260	275	265	275	270	265	255	240	240	255	255	255	250	225	230	12
18	195	170	135	150	145	165	150	135	135	215	260	240	245	260	350	270	255	125	270	135	140	135	125	145	7
19	120	125	130	145	110	100	180	55	45	310	305	285	320	315	330	350	315	275	260	135	155	140	145	195	7
20	230	245	80	140	130	100	160	145	140	285	295	300	280	295	280	300	300	15	75	130	135	150	125	160	7
21	60	50	155	60	130	145	200	85	90	60	25	310	290	295	295	265	300	145	130	145	160	185	145	210	7
22	190	215	275	130	IVA	IVA	230	230	230	255	260	265	260	280	285	280	275	275	300	325	290	315	320	355	13
23	300	290	105	95	80	75	80	80	70	65	35	25	60	IVA	300	10	285	IVA	110	140	50	125	145	140	7
24	155	145	170	125	140	250	105	IVA	35	335	55	310	15	0	305	305	285	270	240	220	200	IVA	155	135	7
25	140	65	90	25	IVA	95	95	255	70	295	290	310	335	285	285	285	70	90	105	165	170	250	95	160	5
26	160	30	155	265	260	IVA	240	145	240	245	275	280	305	300	280	260	95	90	130	230	240	265	260	240	13
27	220	255	235	150	135	185	285	85	30	55	65	70	55	60	55	55	55	55	60	60	55	45	70	60	3
28	60	75	95	85	270	225	IVA	250	255	300	325	40	50	35	340	55	55	120	110	120	130	145	130	135	IVA
29	135	140	130	135	135	145	IVA	175	270	35	305	35	295	270	290	310	30	270	255	230	225	210	135	135	7
30	125	125	IVA	345	IVA	IVA	240	60	45	280	IVA	10	305	325	60	330	30	255	240	225	210	195	100	140	12
31	135	140	IVA	225	IVA	IVA	210	40	IVA	275	280	270	295	310	300	340	265	240	255	240	255	260	210	IVA	13
PV	7	7	7	7	6	8	7	5	5	14	13	IVA	14	15	14	14	13	13	13	12	7	IVA	7	7	13

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONARZA, UTAH
SITE 4

LEVEL HEIGHT : 10 METERS

OCT, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ENE	SE	SE	NE	E	SSE	SE	SE	(VA)	N	W	W	NW	NW	NW	ENE	N	NE	E	ENE	NNE	NW	N	NW	NW
2	E	E	E	E	ESE	E	E	E	E	ENE	NE	NE	NE	NE	NE	ENE	ENE	N	E	SE	S	WSW	N	WSW	E
3	(VA)	SSE	(VA)	NNE	ESE	SE	ENE	ENE	NNE	NW	N	NW	NW	(VA)	NW	NW	W	ENE	FSE	SE	S	(VA)	NW	NW	
4	SE	(VA)	SE	SE	SE	SSE	SE	SE	SW	WNW	WNW	WNW	WNW	WNW	WNW	NNE	NNE	ESE	SE	SE	(VA)	SSE	SSE	E	SE
5	SE	WNW	ESE	SE	SSE	SE	ESE	ESE	(VA)	NW	W	NW	NW	NW	NW	NW	NW	W	W	E	ESE	ESE	SE	SE	SE
6	WNW	E	W	SW	SE	SE	SE	E	E	NW	W	NW	NW	NW	NW	NW	NW	W	W	S	SE	SE	S	SSW	NW
7	SE	SE	SE	SE	SE	SSE	(VA)	ENE	E	WNW	WNW	WNW	WNW	WNW	WNW	NNE	NNE	SW	(VA)	E	SE	(VA)	EPE	ENE	WNW
8	SSE	S	(VA)	E	SE	SSE	E	ESE	E	W	W	WNW	WNW	WNW	NNE	NE	NE	ENE	ENE	SE	SSW	W	WSP	WNW	(VA)
9	(VA)	SE	SE	SE	SE	SE	ESE	SE	SE	WNW	WNW	WNW	WNW	WNW	NE	NE	NE	W	W	ENE	E	ESE	ENE	SE	SE
10	SE	SE	E	E	E	E	E	ENE	E	ENE	NE	NE	NE	NE	NE	NE	NE	W	W	NE	W	WSP	(VA)	NE	NE
11	ESE	SSE	ENE	ENE	SE	(VA)	ENE	E	E	WNW	NW	WNW	WNW	WNW	N	NW	N	SW	SSW	S	S	S	S	S	W
12	S	S	WSW	W	E	NE	W	W	(VA)	WNW	W	W	W	W	SW	SSE	SE	SSE	S	SSW	SW	SW	SSE	SSE	W
13	SSE	SW	W	SE	ESE	ESE	SE	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	ENE	ESE	SE	S	S	SSW	WNW	(VA)	SE	(VA)	(VA)
14	SE	SE	E	(VA)	WSW	WSW	WSW	WSW	WSW	WNW	W	E	WSW	ENE	NW	SSW	SSW	SSE	ESE	SSW	WNW	ENE	S	E	(VA)
15	SE	SSE	SSE	S	SSE	S	E	S	ESE	SSE	SSE	(VA)	SSE	SSE	SSE	S	SE	S	SSE	SSE	NE	NE	N	N	S
16	WNW	W	WNW	W	W	WSW	W	NE	NE	NNE	NE	W	W	W	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	WSW	W
17	W	WSW	E	ESE	SSW	S	SSW	SSW	SSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	W
18	SSW	S	SE	SSE	SE	SSE	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	N	W	WSW	SE	W	W	SE	SE	SE	SE	WSW
19	ESE	SE	SE	SE	ESE	E	SE	NE	E	NW	NW	NW	NW	NW	N	NW	W	W	W	SE	SE	SE	SE	SE	SE
20	SW	WSW	E	SE	SE	E	SSE	SE	S	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	NNE	ENE	SE	SE	SSE	SE	SE	SE
21	ENE	NE	SSE	ENE	SE	SE	SSW	E	E	ENE	ENE	NW	WNW	WNW	W	WNW	SE	SE	SE	SE	SE	S	S	SSW	SE
22	S	SW	W	SE	(VA)	(VA)	SW	SW	SW	WSW	W	W	W	W	WNW	W	W	W	W	W	WNW	WNW	N	N	W
23	WNW	ENE	E	E	E	ENE	E	E	ENE	ENE	NE	NE	NE	NE	W	W	W	W	W	W	W	W	W	W	W
24	SE	ENE	SE	SE	SE	WSW	ESE	(VA)	NE	WNW	NE	WNW	WNW	WNW	N	WNW	WNW	(VA)	ESE	SE	N	SE	SE	SE	SE
25	SE	ENE	E	NNE	(VA)	E	WSW	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ENE	ENE	E	ESE	SSE	S	WSW	E	SSE	E
26	SSE	NNE	SSE	W	W	(VA)	WSW	SE	WSW	WSW	W	W	W	W	W	W	E	E	SE	SE	W	W	W	W	W
27	SW	WSW	SW	SSE	SE	S	WNW	E	WNW	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
28	ENE	ENE	E	E	W	SW	(VA)	WSW	WSW	WNW	WNW	WNW	WNW	WNW	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
29	SE	SE	SE	SE	SE	SE	(VA)	S	W	NE	NE	NE	NE	NE	NE	NE	NE	W	W	W	W	W	W	W	W
30	SE	SE	(VA)	WNW	(VA)	(VA)	WSW	ENE	NE	W	(VA)	N	WNW	WNW	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	SE	SE	SE	SW	(VA)	(VA)	SSW	NE	(VA)	W	W	W	W	W	WNW	WNW	W	W	W	W	W	W	W	W	W
PV	SE	SE	SE	SE	ESE	SSE	SE	E	E	WNW	W	(VA)	WNW	NW	WNW	WNW	W	W	W	W	(VA)	(VA)	SE	SE	W

BOHANZA, UTAH
 SITE 4
 NOV, 1980
 AEROKONIMENT INC.

DEGREES
 LEVEL HEIGHT : 10 METERS
 WIND DIRECTION: (REVERSE)

* FINAL DATA *
 * AS OF 04/JUN/81 *
 * *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	(VAL) 155	100	140	140	65	(VAL) 165	(VAL) 170	275	300	305	0	295	100	145	270	205	250	165	210	135	150	235	H		
2	(VAL) 85	95	(VAL) 105	200	165	(VAL) 185	75	65	40	300	75	45	320	245	295	255	185	150	205	(VAL) 135	130	14			
3	(VAL) 170	145	(VAL) 90	(VAL) 185	105	135	180	310	295	305	280	300	340	30	95	140	225	215	225	155	(VAL) 170	4			
4	160	130	135	150	155	160	(VAL) 90	(VAL) 95	255	325	10	305	290	315	300	275	245	205	55	245	120	(VAL) 60	15		
5	40	85	(VAL) (VAL) 110	(VAL) 110	135	240	(VAL) 215	105	275	300	320	20	245	210	260	250	205	220	210	205	225	12			
6	260	220	90	105	135	240	(VAL) 65	230	285	295	285	275	240	240	215	175	180	195	185	220	240	195	12		
7	245	255	65	245	245	245	(VAL) 230	245	275	285	290	295	285	290	285	290	285	275	215	220	145	155	135	11	
8	235	240	240	225	225	230	235	230	245	275	285	290	285	290	285	290	285	275	215	220	145	155	135	11	
9	130	135	125	135	125	260	230	245	260	50	45	310	280	(VAL) (VAL) 105	105	105	230	225	225	240	210	195	11		
10	245	255	255	255	105	250	260	255	75	275	270	305	295	300	30	100	90	165	195	135	185	145	140	13	
11	125	160	175	205	(VAL) 295	220	165	255	285	325	10	275	(VAL) (VAL) 50	195	165	165	185	160	225	175	230	230	A		
12	220	190	180	165	170	170	175	160	175	215	210	190	210	215	240	170	185	275	290	65	155	150	250	255	9
13	255	125	225	145	95	85	80	85	55	70	55	50	55	45	45	65	60	60	60	60	75	75	70	4	
14	75	70	80	80	85	80	95	100	70	70	25	40	35	30	80	25	45	55	50	75	95	110	115	145	4
15	115	175	(VAL) 60	100	255	125	225	275	240	270	325	325	10	45	40	50	70	75	70	65	85	75	85	4	
16	85	95	100	105	95	100	95	85	55	70	45	45	5	(VAL) 300	270	305	10	80	110	85	70	50	5		
17	100	95	130	260	235	145	140	125	105	40	330	305	290	285	275	270	20	75	220	265	140	260	130	(VAL) 13	
18	165	140	(VAL) 115	125	250	(VAL) 85	70	(VAL) 275	280	310	280	275	275	275	(VAL) 45	145	300	250	(VAL) 170	160	160	160	13		
19	(VAL) 130	120	160	160	(VAL) 130	315	(VAL) 315	(VAL) 335	280	295	280	355	(VAL) 345	330	330	295	250	170	225	230	115	160	8		
20	145	150	100	135	175	225	85	235	105	235	280	295	305	290	270	265	260	130	140	140	150	140	7		
21	180	(VAL) 165	240	130	135	180	(VAL) 105	275	305	25	(VAL) 335	280	295	290	270	260	215	155	155	210	165	215	205	8	
22	205	160	155	160	155	30	195	265	250	80	60	335	330	315	260	(VAL) 100	115	140	145	140	195	240	145	8	
23	(VAL) (VAL) 155	115	(VAL) 175	275	110	115	205	260	295	315	330	10	5	320	245	235	215	130	70	305	320	15	13		
24	5	255	270	25	60	295	265	290	290	270	285	280	280	300	65	115	275	45	100	80	75	20	40	95	13
25	65	115	115	115	120	115	115	265	50	280	245	320	330	305	295	265	150	150	210	250	205	150	200	(VAL) (VAL) 8	
26	190	205	130	150	145	(VAL) 170	190	215	315	10	(VAL) 285	290	280	240	245	145	135	150	250	240	165	150	140	8	
27	130	135	140	180	135	140	80	(VAL) (VAL) (VAL) 300	305	350	55	0	815	275	255	270	230	130	130	(VAL) (VAL) 230	130	(VAL) (VAL) 230	230	7	
28	(VAL) 230	175	(VAL) 195	(VAL) 100	240	(VAL) 260	300	310	(VAL) 265	10	30	240	135	155	200	250	240	205	(VAL) (VAL) 12	12	12	12	12	12	
29	230	205	80	(VAL) 275	(VAL) 180	(VAL) 180	(VAL) 205	265	290	300	245	35	50	(VAL) (VAL) 220	255	250	75	245	60	230	12	12	12	12	
30	260	255	225	225	230	225	210	195	210	245	210	240	230	240	140	185	200	215	180	190	145	140	205	10	
PV	12	7	7	(VAL) 7	12	5	11	4	13	14	14	14	13	14	13	13	13	12	11	11	(VAL) 8	(VAL) (VAL) 13	13	13	

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #119

KODARZA, UTAH

SITE 4

LEVEL HEIGHT 10 METERS

NOV, 1980

AGROVIRONMENT INC.

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*
* FINAL DATA *
* AS OF 04/JUN/81 *
*
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	[VA]	SSE	E	SE	SF	ENE	[VA]	[VA]	S	W	WNW	N	WNW	E	SF	W	SSW	SSW	SSE	SSW	SE	SSF	SW	SW	SSE
2	[VA]	E	E	[VA]	ESE	SSW	SSE	[VA]	[VA]	W	WNW	ENE	NE	NE	WNW	WNW	W	SSW	SSW	SSE	[VA]	SE	SSE	SW	SSW
3	[VA]	E	SE	[VA]	E	[VA]	S	ENE	ENE	W	WNW	ENE	W	WNW	W	W	SSW	SSW	SSE	[VA]	SW	SSW	S	ENE	SSW
4	SSE	SE	SE	SSE	SSE	SSE	ESE	ESE	S	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
5	NE	E	[VA]	[VA]	ESE	W	[VA]	E	[VA]	W	WNW	N	W	WNW	W	W	SSW	SSW	SSE	[VA]	ESE	[VA]	ENE	ENE	ENE
6	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
7	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
8	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
9	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
10	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
11	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
12	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
13	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
14	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
15	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
16	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
17	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
18	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
19	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
20	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
21	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
22	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
23	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
24	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
25	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
26	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
27	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
28	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
29	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
30	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW
PV	W	SW	E	ESE	SE	W	[VA]	SW	ESE	W	WNW	W	W	WNW	W	W	SSW	SSW	SSE	[VA]	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 DEC. 1980
 AEROSURVEILLANCE (INC.)

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	220	230	245	250	255	265	270	270	275	280	275	270	270	270	275	270	250	245	205	125	175	(VAL)	140	205	12	
2	(VAL)	235	(VAL)	255	200	135	205	90	145	265	265	(VAL)	70	290	275	270	265	(VAL)	(VAL)	115	(VAL)	185	220	180	11	
3	255	275	170	(VAL)	105	205	170	235	200	255	270	45	225	185	200	175	190	180	165	195	180	175	145	10	180	
4	170	150	175	205	185	185	185	180	195	190	195	200	210	220	225	215	210	240	225	205	190	205	160	10	10	
5	175	190	155	160	180	180	185	200	220	260	250	280	260	220	220	205	290	280	275	275	120	115	105	130	9	
6	125	155	245	255	195	265	190	190	245	270	65	(VAL)	125	50	15	25	(VAL)	205	170	195	240	265	245	275	12	
7	265	230	165	145	255	165	125	(VAL)	255	320	335	25	355	315	355	40	35	45	75	90	70	65	90	95	4	
8	85	55	75	85	100	80	85	90	75	65	40	20	325	290	285	285	265	220	215	160	115	185	140	155	5	
9	130	135	180	200	(VAL)	165	240	(VAL)	260	275	280	270	305	280	285	280	(VAL)	125	125	145	135	175	180	145	(VAL)	
10	195	(VAL)	80	(VAL)	90	115	345	(VAL)	250	25	30	50	300	270	45	325	250	260	(VAL)	145	(VAL)	140	125	(VAL)	(VAL)	
11	150	175	230	170	(VAL)	275	195	225	(VAL)	255	30	345	305	285	275	315	255	240	80	135	200	120	145	220	11	
12	230	85	(VAL)	(VAL)	50	260	60	(VAL)	75	65	250	260	60	320	260	290	245	280	215	(VAL)	(VAL)	245	75	160	13	
13	190	(VAL)	(VAL)	90	105	130	70	95	85	65	290	35	40	325	280	285	265	30	130	315	260	330	255	(VAL)	(VAL)	
14	70	170	125	180	230	(VAL)	140	245	15	145	90	325	310	300	280	295	290	200	160	145	(30)	180	(VAL)	(VAL)	(VAL)	
15	130	140	50	(VAL)	145	300	210	235	(VAL)	65	290	290	275	75	75	90	115	220	260	175	170	160	135	225	7	
16	160	235	170	(VAL)	(VAL)	(VAL)	(VAL)	235	(VAL)	105	50	310	320	280	275	275	265	260	225	260	195	175	225	160	13	
17	25	105	255	(VAL)	(VAL)	265	210	175	(VAL)	290	(VAL)	350	335	35	305	275	270	245	115	240	(VAL)	260	(VAL)	230	11	
18	(VAL)	135	155	(VAL)	(VAL)	(VAL)	(VAL)	170	115	85	(VAL)	305	280	265	280	270	270	260	205	125	255	(VAL)	145	270	11	
19	75	155	130	45	290	70	145	205	(VAL)	270	280	305	250	260	260	315	345	265	270	245	190	170	265	310	13	
20	135	115	110	115	(VAL)	145	210	50	(VAL)	70	280	280	295	45	335	295	260	250	215	190	170	265	310	255	13	
21	185	145	(VAL)	(VAL)	155	(VAL)	175	(VAL)	135	(VAL)	270	295	275	350	65	80	270	185	200	190	220	250	245	230	(VAL)	
22	(VAL)	105	170	230	220	225	50	245	45	25	35	60	(VAL)	250	195	185	175	200	235	265	270	275	210	210	11	
23	240	190	130	(VAL)	200	160	145	180	250	230	265	275	285	270	270	275	270	275	120	160	200	225	170	145	150	13
24	240	160	125	115	135	(VAL)	120	75	90	(VAL)	340	270	285	285	275	270	260	260	160	140	145	(VAL)	240	(VAL)	13	
25	235	(VAL)	265	250	90	(VAL)	120	130	(VAL)	100	(VAL)	265	280	270	270	240	235	190	130	150	(VAL)	200	140	170	13	
26	155	140	135	165	290	125	(VAL)	100	190	105	245	280	325	85	60	25	(VAL)	260	260	270	115	175	130	190	7	
27	155	(VAL)	55	(VAL)	(VAL)	(VAL)	195	80	200	(VAL)	65	320	60	335	300	240	270	230	220	290	115	220	255	220	11	
28	105	90	165	60	(VAL)	320	260	(VAL)	235	65	270	35	280	290	275	280	290	250	160	160	270	55	190	(VAL)	13	
29	(VAL)	(VAL)	(VAL)	(VAL)	150	120	140	(VAL)	75	70	305	285	320	290	25	235	200	275	120	175	140	(VAL)	(VAL)	(VAL)	14	
30	235	85	120	255	75	285	125	200	45	(VAL)	305	(VAL)	350	330	290	265	275	265	245	115	125	300	(VAL)	135	13	
31	145	125	250	95	90	(VAL)	(VAL)	(VAL)	50	55	345	0	315	300	265	255	0	180	245	150	135	125	255	(VAL)	(VAL)	
PV	7	7	7	(VAL)	(VAL)	7	10	9	11	4	13	13	13	14	14	13	13	12	11	7	7	9	7	6	13	

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE # 4
 JAN. 1980
 AFROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-7	-6	-7	-7	-7	-7	-8	-7	-7	-7	-6	-5	-5	-5	-4	-5	-5	-6	-6	-6	-7	-7	-7	-7	-6	-4	
2	-7	-7	-7	-7	-6	-6	-7	-6	-6	-6	-6	-5	-5	-4	-5	-5	-6	-6	-7	-7	-7	-7	-7	-7	-7	-6	-4
3	-8	-8	-8	-8	-9	-9	-10	-9	-9	-9	-8	-8	-6	-6	-6	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-6	-4
4	-8	-8	-8	-8	-9	-9	-9	-9	-9	-9	-8	-8	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-6	-4
5	-9	-9	-9	-9	-10	-10	-10	-10	-10	-10	-9	-8	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-6	-4
6	-4	0	3	-1	-7	-6	-2	-6	-2	0	1	2	2	2	1	0	-2	-3	-4	-4	-5	-5	-5	-5	-5	-2	3
7	-6	-6	-6	-7	-7	-7	-8	-7	-8	-8	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-6	1
8	-1	-1	-1	-1	-1	-1	-3	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11	-6	-7	-8	-8	-8	-9	-12	-12	-10	-9	-9	-8	-8	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
12	-7	-6	-6	-6	-6	-6	-7	-7	-7	-7	-6	-6	-5	-5	-4	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-2
13	-2	-3	-4	-2	-1	2	1	3	2	1	3	4	3	2	4	8	9	8	8	8	8	8	8	8	8	8	8
14	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
15	2	2	3	3	3	2	2	0	0	1	1	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4
16	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	-3	-4	-4	-5	-5	-5	-6	-6	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	
20	-8	-8	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
22	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
23	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
24	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
25	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-5	-4	-3	-1	0	0	0	0	0	0	0	0	0	0	0	0
26	-7	-8	-8	-8	-9	-9	-9	-9	-9	-9	-8	-7	-6	-5	-4	-3	-4	-5	-6	-8	-9	-11	-11	-11	-11	-11	-11
27	-12	-11	-11	-11	-11	-11	-12	-11	-11	-11	-10	-9	-8	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
28	-5	-5	-5	-5	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
29	-7	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
30	-5	-6	-7	-7	-10	-11	-12	-10	-11	-9	-9	-9	-9	-9	-8	-7	-6	-5	-4	-3	-3	-3	-3	-3	-3	-3	-3
31	-14	-10	-15	-15	-15	-16	-16	-16	-16	-15	-15	-13	-13	-11	-11	-11	-12	-12	-14	-14	-14	-14	-14	-14	-14	-14	-11
AV	-4	-4	-5	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-3	-2	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	1
SD	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5	5	5	5	5	5	1

ABOUT (29 JAN 81)

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, W139
 BONANZA, UTAH
 SITE 4
 FEB. 1980
 AEROSCIENCE INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK				
1	-14	-14	-14	-14	-14	-15	-14	-15	-15	-14	-12	-11	-11	-10	-10	-10	-10	-11	-10	-11	-6	-11	-11	-11	-12	-6				
2	-12	-11	-13	-14	-14	-13	-14	-14	-13	-11	-10	-10	-9	-7	-7	-6	-7	-8	-9	-8	-9	-9	-9	-9	-9	-10	-6			
3	-9	-9	-9	-9	-9	-10	-9	-9	-9	-9	-7	-6	-5	-3	-3	-3	-5	-6	-7	-6	-7	-7	-7	-6	-7	-3				
4	-6	-3	-5	-6	-6	-7	-8	-7	-8	-6	-3	-2	-1	-2	-3	-2	-2	-2	-3	-4	-4	-5	-6	-5	-4	-1				
5	-6	-7	-6	-6	-7	-8	-9	-8	-6	-4	-4	-4	-3	-2	-2	-2	-2	-4	-5	-5	-7	-7	-7	-7	-6	-2				
6	-7	-6	-6	-7	-7	-8	-8	-8	-7	-6	-6	-6	-4	-4	-4	-4	-5	-5	-6	-6	-6	-6	-6	-5	-4	-0				
7	-4	-5	-5	-5	-6	-6	-5	-6	-5	-5	-3	-2	-1	0	1	0	0	-1	-2	-3	-3	-4	-5	-5	-4	-0				
8	-5	-6	-7	-8	-8	-9	-10	-10	-9	-9	-8	-8	-7	-6	-6	-6	-7	-8	-8	-8	-8	-9	-10	-11	-8	-5				
9	-13	-12	-14	-14	-15	-15	-15	-15	-13	-12	-11	-10	-9	-8	-7	-7	-8	-11	-12	-12	-13	-13	-13	-13	-12	-7	-1			
10	-13	-13	-13	-15	-14	-13	-14	-16	-15	-14	-12	-11	-9	-8	-8	-8	-10	-10	-12	-12	-13	-13	-12	-12	-12	-8	-1			
11	-12	-13	-13	-13	-13	-13	-14	-14	-13	-12	-10	-10	-8	-6	-6	-7	-7	-8	-9	-10	-11	-11	-11	-10	-11	-6	-1			
12	-10	-10	-10	-12	-11	-12	-11	-13	-12	-11	-10	-8	-6	-5	-5	-5	-6	-7	-8	-8	-9	-10	-11	-11	-10	-9	-5			
13	-10	-10	-10	-10	-10	-10	-11	-10	-10	-9	-7	-5	-4	-3	-2	0	-2	-3	-4	-6	-7	-7	-7	-7	-6	0	-1			
14	-6	-7	-6	-6	-6	-6	-6	-5	-5	-5	-3	-2	-2	-2	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-1	-4	-1			
15	-3	-2	-2	-3	-3	-3	-3	-2	-2	-2	0	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	-1			
16	-3	-2	-4	-4	-4	-5	-3	-1	-3	-4	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	-1			
17	-2	-2	-2	-2	-2	-3	-3	-2	-1	-3	-4	-1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	4	-1		
18	6	6	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	-1		
19	5	5	3	3	3	4	4	4	4	4	6	7	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	4	-1	
20	2	2	3	3	3	3	3	3	2	3	4	5	5	7	6	7	7	5	5	5	5	5	4	4	4	4	4	4	-1	
21	4	3	2	2	1	2	2	3	4	5	5	5	5	5	6	6	5	3	2	1	1	1	0	0	0	3	6	4	-1	
22	0	0	0	0	0	0	0	1	2	3	3	3	5	6	7	6	6	5	4	4	4	4	4	4	4	4	4	4	-1	
23	1	1	1	1	1	1	0	1	1	2	2	2	3	6	5	4	3	3	2	2	0	0	0	0	0	2	6	4	-1	
24	0	0	0	0	-1	-2	-2	-2	-1	-1	0	1	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	-1	
25	0	-1	-1	-2	-3	-3	-3	-2	-1	-1	-1	0	1	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	-1	
26	0	0	0	0	-1	-1	-1	-2	0	0	1	2	4	5	6	6	7	6	5	5	5	5	4	4	4	4	4	4	-1	
27	3	2	2	2	0	0	1	1	1	2	4	6	7	9	9	10	10	9	7	7	6	6	6	6	6	6	6	6	-1	
28	5	4	3	3	4	1	0	1	2	4	6	7	8	8	8	8	9	9	9	8	8	8	8	8	8	8	8	8	-1	
29	4	3	3	3	3	3	3	3	3	4	4	5	5	6	6	6	6	6	5	4	4	4	4	4	4	4	4	4	-1	
AV	-4	-4	-4	-4	-5	-5	-5	-5	-4	-4	-2	-1	-1	0	0	1	0	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	
SD	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	-1

TEMPERATURE ICC1031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

MAR. 1980

AERONAVIGATION INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2	1	1	1	0	0	0	0	1	1	3	3	4	5	5	6	6	5	5	4	4	3	3	3	3	6
2	2	1	1	-1	0	-1	-2	-1	-1	0	1	2	4	5	6	7	7	8	6	6	6	5	5	5	5	6
3	4	4	3	3	2	2	2	2	2	2	4	7	7	7	7	7	3	3	3	3	3	4	4	4	4	7
4	4	4	4	4	4	4	3	3	3	5	5	6	6	6	6	6	6	6	6	6	6	5	4	4	4	9
5	4	4	4	4	4	4	4	4	5	5	7	7	8	8	8	7	7	7	6	6	6	6	5	5	5	9
6	5	5	5	2	1	1	1	2	2	3	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	5
7	1	1	1	1	1	0	0	1	1	2	3	2	2	3	4	4	4	4	3	3	3	3	2	2	2	9
8	2	2	1	1	0	0	0	1	2	3	3	3	4	5	6	6	7	6	5	4	4	3	3	3	3	6
9	1	1	1	0	0	-1	1	2	3	3	4	5	6	7	8	9	9	7	6	5	4	4	3	3	3	9
10	3	3	2	2	1	1	1	0	0	2	3	4	5	6	7	8	7	6	5	4	4	3	3	3	3	4
11	3	2	2	2	1	1	-1	-1	-2	0	1	2	3	3	3	3	3	2	1	0	-1	-1	-1	-1	1	4
12	4	3	1	1	1	0	-1	-1	-2	0	2	3	3	3	3	3	3	2	1	0	-1	-1	-1	-1	1	4
13	-2	-2	-3	-3	-3	-3	-4	-4	-2	0	2	3	5	7	8	9	9	8	7	6	6	6	6	6	6	9
14	4	4	4	3	5	3	3	4	5	7	10	10	11	12	13	12	12	12	11	10	10	9	9	9	9	13
15	9	9	8	8	8	8	8	8	7	8	9	10	10	10	10	11	11	11	9	7	6	6	6	6	6	11
16	2	1	0	-1	-1	-2	-3	-3	-2	-2	-1	1	1	1	1	1	1	0	-1	-2	-3	-3	-3	-3	-1	2
17	-4	-4	-6	-7	-7	-7	-7	-7	-5	-2	0	2	3	4	5	6	6	5	4	3	2	2	1	1	1	6
18	1	1	1	2	0	-3	-3	-3	-1	1	3	4	6	7	8	9	9	8	7	7	6	5	4	4	4	9
19	3	3	3	3	2	1	2	2	3	4	6	7	8	9	10	10	10	9	7	6	4	3	2	2	2	5
20	2	2	1	1	1	-1	-2	-1	2	4	5	7	8	9	10	11	11	10	9	8	8	7	6	5	5	11
21	7	7	7	7	7	7	6	6	8	9	10	11	11	11	11	11	11	11	10	9	8	7	6	5	5	11
22	1	1	1	1	1	1	1	1	2	1	3	4	5	6	6	5	4	4	3	3	2	2	2	2	2	6
23	1	1	0	0	0	0	0	0	1	3	5	7	8	9	8	9	9	8	7	7	7	5	4	4	4	9
24	3	3	1	1	1	1	1	1	3	5	6	7	8	8	7	7	7	5	4	3	0	0	0	0	0	9
25	1	0	0	-1	-1	-1	-1	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-1	1
26	-2	-3	-3	-3	-3	-3	-4	-4	-3	-1	0	1	2	3	4	4	4	3	2	1	0	0	0	0	0	4
27	-1	-1	-1	-2	-2	-2	-1	-1	-1	0	2	3	4	4	4	4	3	3	2	2	1	1	1	1	1	6
28	-1	-1	-1	-2	-2	-2	-1	-1	-1	0	2	2	3	4	4	4	3	3	2	2	1	1	1	1	1	4
29	1	0	0	0	0	-1	-1	-1	1	2	4	4	5	6	6	7	7	7	6	5	4	4	3	3	3	7
30	2	3	3	2	2	2	1	1	1	2	4	4	5	6	6	7	7	7	6	5	4	4	3	3	3	7
31	-8	-7	-8	-10	-9	-9	-9	-8	-6	-6	-4	-3	-2	-1	-1	0	0	0	0	0	-1	-1	-1	-2	-1	1
AV	2	2	1	1	0	0	0	0	1	2	3	4	5	5	6	6	6	5	4	4	3	3	2	2	2	3
SD	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3

ABOUT (29 JAN 81)

TEMPERATURE (CC:03)

DEGREES CELSIUS

LEVEL HEIGHT ± 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

APR. 1980

AEROVIRONMENT INC.

.....
* FIPAL DATA
* AS OF 31/MAR/A1
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-3	-3	-2	-2	-2	-2	-3	-2	-1	-1	1	1	2	2	3	3	3	3	2	1	0	0	-1	-1	0	3	
2	-1	-1	-4	-2	-2	-2	-3	-4	-3	-2	-2	-1	-1	0	1	1	2	2	2	1	1	2	0	-1	-2	2	
3	-3	-3	-3	-4	-4	-4	-4	-3	-4	5	6	8	9	11	11	12	12	12	5	5	4	4	4	4	5	6	
4	4	4	4	3	2	2	2	7	4	5	6	8	11	14	14	13	13	12	11	10	9	8	8	8	7	12	
5	7	6	7	6	5	5	5	5	6	8	11	13	14	14	14	13	13	12	11	9	8	8	7	7	9	10	
6	6	6	6	5	5	5	6	6	7	8	9	10	10	11	11	11	10	10	9	7	7	6	7	5	8	10	
7	4	3	1	0	0	0	0	0	0	2	3	4	4	5	5	5	4	2	2	2	1	0	0	-1	2	5	
8	-1	-1	-2	-3	-3	-3	-3	-2	-1	2	4	6	7	8	9	10	10	9	9	8	6	6	6	5	4	10	
9	4	4	4	3	3	2	3	3	5	6	9	11	13	15	15	15	15	13	12	12	12	10	10	9	9	15	
10	9	9	9	8	8	7	8	8	8	9	10	11	11	10	9	9	8	6	5	4	3	2	2	1	1	8	11
11	1	1	1	0	0	-1	-1	-2	-1	1	2	4	5	6	6	6	6	6	4	3	3	3	2	1	1	2	6
12	0	0	-1	-1	-1	-2	-2	-1	1	2	4	5	6	6	6	5	5	5	4	3	2	1	1	0	0	2	6
13	0	0	-1	-1	-1	-2	-2	-1	1	2	4	5	6	6	6	5	5	5	4	3	2	1	1	0	0	2	6
14	5	4	3	2	1	1	1	4	6	8	10	12	14	15	15	16	17	16	15	14	9	9	8	7	6	5	10
15	11	10	8	8	7	7	6	8	10	11	13	15	17	17	17	18	18	16	15	14	13	12	11	11	11	9	17
16	8	7	6	6	6	4	5	6	9	11	12	13	15	15	16	16	16	16	16	16	17	17	17	17	17	17	18
17	9	7	7	5	5	4	3	5	8	10	12	15	16	16	18	19	19	19	18	17	16	14	13	13	12	19	
18	12	10	10	9	8	7	6	7	10	13	15	18	20	21	22	22	22	21	20	18	18	16	15	15	15	22	
19	13	13	11	10	9	8	9	10	12	15	17	20	22	23	23	23	23	21	20	18	17	17	17	17	16	23	
20	14	13	13	12	10	10	10	12	13	16	19	22	24	24	24	24	24	22	21	18	17	17	17	17	17	24	
21	17	19	18	17	17	16	15	17	19	19	19	20	20	20	16	17	16	14	11	12	11	11	11	11	10	20	
22	10	9	9	8	8	8	8	9	11	12	15	16	17	17	19	19	18	17	16	15	14	14	13	13	13	19	
23	12	11	11	12	12	11	11	10	9	10	12	13	13	13	13	14	14	14	14	13	13	13	12	11	10	13	
24	8	7	7	7	7	7	8	8	9	10	12	13	13	13	13	14	15	14	14	13	13	12	11	10	11	15	
25	9	9	8	7	7	9	7	8	9	11	12	14	15	16	17	17	17	17	16	14	13	12	12	11	10	17	
26	10	9	9	8	7	6	7	8	9	10	12	13	14	15	16	17	16	17	16	15	14	13	12	11	12	17	
27	11	10	9	8	7	6	8	10	10	14	16	17	18	19	19	19	19	18	17	16	15	14	13	12	12	17	
28	14	14	13	12	12	11	11	11	14	16	18	19	20	20	20	20	20	19	19	19	17	16	15	15	14	19	
29	15	13	13	12	13	13	13	14	16	17	18	20	21	21	21	21	20	19	19	19	17	16	15	15	14	20	
30	10	9	8	8	8	8	9	9	10	11	12	10	10	9	11	12	12	12	11	10	9	9	9	9	10	21	
AV	7	7	6	6	5	5	5	6	7	9	10	12	12	13	14	14	13	13	12	11	10	9	9	8	9	11	
SD	6	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	11	

TEMPERATURE (CC)031

DEGREES CELSIUS

LEVEL HEIGHT 110 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

MAY, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	9	9	9	9	9	9	9	9	11	12	13	14	15	16	14	14	14	14	14	12	11	11	11	10	12	16		
2	10	10	10	10	10	10	10	10	11	12	13	14	15	16	16	17	16	15	15	12	11	11	12	11	10	13	17	
3	11	11	11	11	11	11	11	11	12	13	14	15	16	17	18	19	20	21	20	18	17	16	14	13	13	14	21	
4	13	12	12	12	11	11	11	12	13	14	15	16	17	18	19	20	21	20	18	17	15	14	11	10	10	15	21	
5	11	10	10	10	9	9	10	11	12	13	14	15	16	17	17	15	15	15	15	14	14	14	13	13	13	13	17	
6	11	12	11	11	11	11	11	12	13	14	14	14	14	14	15	17	17	17	17	16	14	14	13	12	12	13	18	
7	12	12	12	12	11	10	11	11	12	13	14	14	14	14	15	17	17	17	17	16	14	14	13	12	12	12	17	
8	10	10	9	10	10	10	10	11	12	13	14	14	14	14	15	17	17	17	17	16	14	14	12	11	11	12	18	
9	11	10	11	11	10	9	9	10	11	12	13	14	14	14	15	14	12	10	9	9	9	8	8	8	8	11	15	
10	8	8	8	10	9	6	6	7	10	13	14	14	14	14	15	16	15	15	11	9	8	8	7	7	11	16		
11	8	7	6	6	5	4	4	5	6	7	8	7	7	8	9	8	6	5	5	5	4	4	4	4	4	6	9	
12	4	4	4	4	4	4	4	5	5	6	6	7	8	9	10	9	9	7	5	5	5	5	5	5	5	6	10	
13	5	5	4	4	4	3	4	6	7	7	9	10	11	12	12	10	10	11	11	10	10	9	9	7	8	12	12	
14	7	6	6	5	5	5	5	7	8	9	11	12	14	14	15	14	15	14	12	11	11	11	9	9	8	10	15	
15	8	7	7	7	6	6	7	8	9	12	13	14	15	15	15	15	15	16	15	13	13	12	11	11	11	14	15	
16	11	10	9	9	8	9	10	10	12	13	14	16	15	15	14	15	14	12	10	7	6	7	7	6	11	14	16	
17	5	5	5	5	4	4	5	6	6	6	7	8	9	10	10	11	10	10	10	10	9	9	9	8	8	11	14	
18	7	7	7	6	6	5	6	8	10	12	13	15	16	16	16	17	18	17	16	15	15	15	14	13	12	14	11	
19	12	11	10	10	10	10	10	12	14	15	17	18	19	20	21	21	21	20	19	18	17	17	17	17	16	18	12	18
20	16	15	14	13	12	12	11	13	15	17	18	20	21	22	23	23	23	23	22	21	20	19	18	18	18	21	18	21
21	17	15	14	14	13	12	13	14	16	18	20	23	24	25	26	26	26	26	25	24	23	21	20	20	20	24	21	
22	19	18	17	15	14	14	14	17	17	18	19	23	26	27	27	26	26	23	20	19	18	17	17	17	17	20	27	
23	17	15	15	15	14	13	13	14	15	16	17	18	19	19	20	20	20	20	17	15	15	16	16	16	16	17	20	
24	16	15	15	14	13	13	14	15	15	15	14	15	16	13	11	10	9	8	9	7	6	6	6	5	5	12	14	
25	5	5	5	5	5	5	5	6	7	7	8	10	11	11	11	9	7	6	6	5	4	4	4	4	4	7	11	
26	4	4	5	3	4	9	6	7	9	11	13	15	16	17	18	18	17	15	14	14	14	14	13	12	12	14	18	
27	11	11	10	11	7	10	12	14	17	18	19	20	20	21	22	22	22	21	20	19	18	17	14	15	14	22	22	
28	15	15	12	12	11	11	12	15	17	18	18	19	20	21	21	21	21	21	21	19	18	17	15	15	14	22	22	
29	13	12	11	11	10	10	9	9	11	13	15	16	17	18	18	18	18	19	18	17	16	14	13	12	12	14	19	
30	11	11	11	10	10	10	10	11	13	15	17	19	20	20	22	22	22	22	21	20	19	17	15	14	14	16	22	
31	14	11	12	13	14	13	11	12	12	14	16	18	18	19	20	21	21	21	20	18	16	14	14	13	13	14	21	
AV	11	10	10	10	9	9	9	10	11	13	14	15	16	16	17	17	17	16	15	13	13	12	12	11	11	11	11	
SD	4	4	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	4	

TEMPERATURE (CC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 JUN. 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	13	12	11	11	10	11	11	13	15	16	17	17	17	19	20	17	16	16	13	12	12	11	10	10	14	20
2	9	9	8	7	9	10	12	14	16	19	19	19	19	20	21	22	22	22	21	20	19	19	18	18	16	22
3	17	17	17	17	17	16	16	18	19	20	21	23	23	24	24	25	25	25	24	23	21	20	19	20	20	25
4	18	19	18	17	16	15	16	17	19	20	21	23	24	25	26	26	26	26	25	23	22	21	20	20	21	26
5	16	17	17	17	17	17	17	19	20	21	22	23	24	24	25	25	25	23	21	20	18	17	17	15	20	25
6	14	14	13	13	10	11	12	13	15	17	19	21	22	23	24	24	25	24	24	22	21	19	18	18	18	28
7	18	16	15	14	13	12	14	16	17	19	21	24	26	27	27	28	27	27	26	25	24	23	22	20	21	28
8	20	18	17	16	14	15	15	17	19	20	23	25	27	28	29	29	29	28	26	25	24	23	22	22	22	29
9	21	19	18	17	16	16	16	18	20	22	26	28	30	31	30	30	30	30	29	28	25	24	23	23	24	31
10	24	24	21	19	20	19	22	24	24	26	27	27	28	29	29	29	29	28	26	25	24	23	22	24	24	29
11	22	21	20	20	20	21	22	23	24	24	26	27	27	27	27	27	27	27	26	25	24	23	22	21	24	27
12	20	17	16	15	14	15	16	18	19	22	24	25	26	27	28	28	28	28	27	25	24	23	22	21	24	27
13	23	23	22	19	17	17	18	21	23	24	24	25	26	27	28	28	28	28	27	25	24	23	22	22	22	28
14	15	14	13	12	11	11	12	14	16	16	18	19	20	21	21	22	22	22	22	20	19	17	15	15	17	22
15	16	15	14	13	12	11	12	13	15	17	18	20	21	22	23	24	25	24	24	23	22	21	19	19	18	25
16	16	16	16	15	15	14	15	17	19	21	24	26	27	28	29	28	28	27	27	27	27	25	23	22	22	28
17	16	16	16	15	15	14	15	17	19	21	24	26	27	28	29	28	28	27	27	27	27	25	23	22	22	28
18	22	22	20	20	20	20	20	22	24	25	26	27	28	29	30	31	30	30	29	28	27	25	23	21	24	31
19	22	21	20	21	20	20	20	22	24	25	26	27	28	29	30	31	30	30	29	28	27	25	23	21	24	31
20	21	19	18	18	16	16	17	19	21	23	25	27	28	30	31	31	30	30	29	28	26	25	25	24	24	31
21	22	21	22	21	20	19	19	21	23	25	27	28	29	29	29	29	29	29	29	29	27	26	24	24	24	29
22	22	21	21	18	18	18	19	20	21	24	26	28	29	30	30	31	31	30	30	28	27	25	24	25	31	31
23	25	25	24	24	23	22	22	25	26	27	28	29	30	31	32	31	31	30	28	27	26	25	24	27	32	32
24	23	21	20	19	19	18	19	20	21	23	26	27	28	29	30	30	30	28	28	26	25	24	23	24	30	30
25	23	23	23	19	19	18	19	20	23	26	28	29	30	31	32	31	31	30	28	26	25	24	26	26	26	32
26	25	25	24	22	20	20	22	24	26	27	29	30	32	32	32	32	32	31	31	29	28	27	26	25	27	32
27	23	21	20	19	18	18	18	19	21	22	25	27	28	29	29	29	28	27	26	25	24	23	22	21	20	23
28	19	17	17	16	15	15	16	16	18	21	23	25	27	28	29	30	30	30	30	29	28	26	25	23	23	30
29	23	23	22	20	19	20	21	23	26	29	31	32	32	33	33	34	33	30	29	28	28	28	27	27	27	34
30	25	25	24	22	22	22	22	24	25	24	23	24	24	26	27	28	29	29	28	28	21	20	18	16	24	29
AV	20	19	18	17	16	16	17	19	20	22	24	25	26	27	28	28	28	27	26	25	24	22	22	21	22	11
SD	4	4	4	4	4	5	3	3	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	4	4	11

TEMPERATURE ICC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 JUL. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	16
3	20	18	17	17	17	16	17	19	21	22	24	25	25	26	27	29	28	29	29	27	25	23	21	19	19	21
4	4	18	17	17	18	18	19	20	22	23	25	26	27	28	29	29	29	29	29	28	27	25	24	24	24	23
5	23	23	20	20	15	17	24	22	24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	23
6	(RF)	(RF)	(RF)	(RF)	(RF)	22	20	19	21	22	26	28	30	31	31	32	32	31	30	29	28	28	27	27	27	21
7	25	25	24	23	22	21	21	21	22	24	26	28	29	28	26	26	26	26	25	23	22	21	21	20	20	24
8	19	19	19	19	18	18	19	21	22	24	25	26	27	26	28	29	29	29	29	21	20	19	19	17	22	
9	17	17	17	16	15	15	16	18	19	21	24	26	28	29	30	30	31	30	30	29	29	27	27	25	24	29
10	24	23	22	20	20	20	21	23	26	27	29	30	31	32	31	32	32	30	27	28	27	26	25	24	24	26
11	25	24	23	19	19	21	22	24	27	29	31	32	31	32	30	31	32	31	30	29	28	26	25	25	27	32
12	25	24	23	24	25	24	26	26	27	29	31	32	31	32	30	30	30	29	28	28	27	26	25	24	23	26
13	23	22	21	22	22	22	21	22	24	26	27	28	28	28	29	29	29	29	29	29	28	27	26	25	24	29
14	20	19	19	18	19	20	20	21	23	25	26	27	27	28	28	29	29	29	29	28	26	25	23	22	24	29
15	21	22	22	20	20	20	21	23	24	25	26	27	28	30	31	31	31	30	28	27	26	25	25	25	26	31
16	23	22	21	20	19	19	19	21	23	25	27	28	30	31	32	32	32	31	31	30	28	27	26	25	26	32
17	24	24	23	22	22	21	20	22	24	26	28	30	32	33	34	35	35	34	32	31	30	29	28	27	28	35
18	26	25	24	23	22	22	22	23	24	26	28	30	31	33	34	34	34	33	33	32	31	29	29	27	28	34
19	28	27	26	25	26	24	25	26	27	28	29	30	31	32	32	32	31	30	29	28	26	25	25	24	24	32
20	24	22	21	20	20	19	18	20	21	22	25	27	29	30	31	31	31	30	29	28	27	26	25	25	25	31
21	24	23	21	21	19	20	19	20	22	25	27	29	30	31	33	33	33	32	31	30	29	28	28	26	27	33
22	24	23	23	23	21	20	20	22	25	27	30	32	33	34	34	34	34	32	31	29	29	28	28	26	27	33
23	27	27	25	25	25	24	26	27	29	31	32	33	33	34	34	34	34	32	31	29	28	28	26	26	27	33
24	23	22	22	21	20	20	21	23	23	25	28	30	31	32	33	33	31	29	27	27	26	25	25	25	27	33
25	19	18	18	18	15	15	17	19	20	23	26	28	30	32	32	32	28	29	29	29	27	26	24	24	24	32
26	21	22	21	20	18	18	18	19	21	24	26	29	30	32	32	33	32	30	29	27	26	24	23	23	25	33
27	22	23	22	20	19	19	17	21	23	25	28	29	30	31	32	31	32	30	30	29	28	26	25	25	26	32
28	24	22	21	20	20	20	20	21	22	24	28	30	31	32	34	34	34	33	32	31	29	28	26	26	27	34
29	25	25	25	25	23	24	26	29	31	32	34	35	35	35	34	34	34	33	32	31	29	28	26	26	27	34
30	22	21	21	21	20	19	19	22	24	25	27	28	29	30	31	30	31	31	28	27	26	26	24	24	25	32
31	23	21	21	20	19	19	19	21	23	25	27	29	30	31	31	31	31	30	29	29	27	27	27	26	26	31
AV	23	22	21	21	20	20	20	22	23	25	27	28	29	30	30	30	30	30	29	28	27	25	24	24	25	1
SD	3	3	2	3	3	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	1

TEMPERATURE (CC:03)

DEGREES CELSIUS
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BOHANZA, UTAH
SITE #

AUG. 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	25	24	24	22	22	22	22	22	23	25	28	30	31	32	31	32	31	26	27	26	25	24	24	24	26	32
2	25	23	22	21	21	20	21	22	23	25	26	29	30	31	32	31	32	32	32	32	30	28	28	27	26	32
3	25	24	22	21	21	21	20	22	25	27	29	31	32	32	33	32	31	30	29	27	26	25	24	23	26	33
4	22	22	20	20	19	18	18	19	21	22	24	26	27	28	29	30	30	30	29	27	25	24	23	23	24	30
5	21	21	20	18	17	18	18	20	21	23	26	28	30	32	31	33	33	33	32	30	29	28	27	27	26	33
6	26	26	24	24	24	23	23	26	27	28	30	31	32	33	33	33	34	33	32	31	29	29	28	26	28	33
7	25	25	24	25	22	20	26	22	25	26	29	31	33	34	34	34	34	34	32	31	30	29	29	29	29	34
8	27	27	26	22	21	20	24	25	26	26	29	31	32	33	33	33	33	33	32	31	29	28	28	26	29	33
9	27	26	25	24	23	24	24	25	27	29	31	32	32	32	32	32	32	32	31	29	27	26	26	24	27	32
10	25	23	23	22	20	20	20	21	24	26	28	30	31	31	31	31	32	32	31	29	28	27	26	25	25	32
11	24	23	22	19	18	17	17	19	20	22	25	27	29	30	31	31	32	32	31	29	28	27	26	25	25	32
12	24	23	21	22	18	19	21	24	27	29	30	31	31	33	31	32	30	28	27	26	25	24	24	23	26	33
13	24	23	22	22	22	22	22	21	24	27	28	30	31	31	29	28	24	22	23	23	22	21	20	20	24	31
14	20	21	20	19	18	18	18	20	22	24	25	27	27	29	28	29	29	29	28	23	20	20	19	20	24	29
15	18	16	15	15	14	15	15	16	17	20	21	16	20	23	23	22	21	19	16	16	15	16	15	15	17	23
16	14	14	15	15	14	14	14	15	17	18	20	20	21	23	23	24	24	24	23	22	20	19	18	17	19	24
17	16	16	15	14	14	14	14	15	16	18	21	23	25	26	26	26	26	26	27	26	24	24	23	21	21	28
18	21	21	18	19	19	18	18	19	22	26	27	27	28	28	29	29	29	28	27	25	25	24	23	23	24	29
19	22	21	20	20	19	18	19	20	22	23	23	23	23	21	18	19	18	16	14	15	15	14	13	12	19	23
20	12	11	10	10	9	9	10	11	13	15	17	18	20	21	22	23	24	23	23	22	20	19	19	18	17	24
21	17	17	16	15	13	13	13	14	17	18	20	22	24	26	26	28	27	27	26	25	24	23	22	22	21	28
22	21	19	19	17	17	16	16	17	19	22	26	28	29	29	30	29	29	29	28	27	26	25	25	22	21	28
23	25	24	23	22	22	22	22	23	24	26	26	26	24	24	24	22	18	16	15	15	16	16	15	15	24	30
24	17	16	15	15	15	15	16	16	18	18	19	20	19	19	21	21	23	21	22	19	18	17	16	16	18	23
25	15	16	15	15	15	16	16	17	18	20	18	15	13	14	15	14	14	14	14	14	14	14	14	14	15	20
26	12	12	13	12	13	12	12	13	15	17	18	20	21	22	23	23	23	23	22	22	22	22	22	21	20	23
27	15	15	14	13	13	12	12	14	15	17	19	21	23	25	26	27	27	26	24	23	22	22	22	21	20	27
28	21	21	18	18	18	17	17	18	19	21	24	26	27	27	28	28	28	28	27	26	25	24	24	24	23	28
29	23	22	21	20	20	20	20	20	21	24	23	25	25	26	26	26	26	26	26	25	23	23	22	22	23	26
30	21	17	17	17	17	18	18	17	18	19	19	21	22	23	23	24	22	21	20	18	18	18	18	17	19	24
31	15	15	13	12	11	12	12	12	14	15	15	16	17	17	19	20	20	19	18	16	16	16	15	15	14	20
AV	21	20	19	18	18	18	18	19	21	22	24	25	26	27	27	27	27	26	25	24	23	22	22	21	23	17
SD	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	6	5	5	5	4	4	1	

TEMPERATURE (CC#031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 4
 SEP. 1980
 AEROSURVEILLANCE INC.

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 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	14	13	12	13	12	11	11	12	14	15	16	20	21	22	23	24	24	24	24	23	22	20	20	20	18	24	
2	19	18	18	17	14	14	15	15	18	20	22	24	26	27	28	28	28	27	26	25	24	23	22	21	22	28	
3	21	21	21	14	18	19	19	20	22	24	25	26	27	28	28	28	28	28	28	28	24	23	19	22	23	28	
4	22	19	17	18	16	15	14	16	18	20	22	24	26	28	29	29	29	28	28	27	25	24	24	23	23	29	
5	20	20	18	17	16	17	16	17	19	21	23	25	26	28	29	29	29	29	28	27	26	25	24	23	21	29	
6	23	21	22	22	22	22	22	22	23	25	26	27	28	28	28	27	27	27	26	25	24	23	22	22	24	28	
7	21	20	20	19	18	18	18	17	17	16	15	15	16	17	18	20	15	15	15	15	15	15	15	15	17	21	
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9	16	16	16	15	15	14	14	14	15	16	16	17	17	17	19	18	17	16	16	15	15	14	14	14	16	19	
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11	13	12	12	12	12	12	13	15	15	15	18	19	20	20	20	20	20	17	17	17	17	16	15	15	16	20	
12	14	14	14	14	14	14	14	14	16	16	17	18	19	20	21	21	21	19	19	18	15	16	17	16	15	21	
13	14	14	15	13	13	13	13	13	14	17	19	23	24	24	25	25	25	24	22	22	21	20	19	18	19	25	
14	19	20	18	19	19	19	17	18	19	22	24	24	24	24	24	24	24	24	23	22	22	21	20	17	16	21	
15	17	15	15	15	14	13	13	14	15	18	19	21	23	24	25	26	25	25	23	22	22	21	21	21	21	24	
16	20	19	19	18	18	18	17	18	19	20	22	22	22	22	24	25	26	26	24	23	22	21	20	19	17	20	25
17	17	17	15	17	16	15	14	14	17	19	21	22	22	24	24	25	26	26	24	23	22	21	20	19	17	20	26
18	18	17	16	15	16	14	14	16	16	19	21	25	26	28	29	29	29	28	27	25	25	26	25	24	22	29	
19	23	23	23	22	22	21	21	21	23	24	25	27	27	27	26	26	26	26	26	24	23	22	21	20	20	26	
20	12	12	11	11	11	10	10	11	13	14	15	16	17	18	19	20	21	20	19	18	18	18	17	17	15	21	
21	15	14	14	12	12	10	11	11	15	16	16	18	19	20	19	18	16	15	15	14	12	12	11	10	10	20	
22	10	9	9	8	8	8	7	6	8	10	12	14	15	15	16	16	16	16	15	14	12	12	11	10	10	16	
23	10	9	9	8	8	8	7	8	10	10	13	15	17	19	20	20	21	20	18	18	17	16	15	14	14	21	
24	13	12	12	11	11	10	9	10	13	15	16	17	18	19	20	20	21	20	19	18	17	15	16	15	15	21	
25	13	13	13	12	11	10	9	10	12	14	17	18	20	20	20	20	21	20	19	18	17	16	15	14	14	21	
26	12	12	12	11	11	10	9	10	13	14	16	18	20	22	23	24	24	24	23	22	21	20	19	19	17	24	
27	17	14	14	14	14	14	12	13	15	17	19	21	23	24	25	25	25	24	23	23	23	20	20	18	17	25	
28	18	17	16	15	15	14	13	13	15	17	19	21	23	25	25	26	25	25	24	23	22	21	20	19	20	26	
29	18	17	16	15	14	14	14	14	16	17	19	20	22	23	24	24	24	24	23	22	21	20	19	18	16	19	24
30	16	16	15	14	13	10	11	13	16	18	20	22	24	26	27	27	27	27	26	25	24	22	20	20	20	27	
AV	16	16	15	15	14	14	14	14	16	17	19	20	21	22	23	23	23	22	21	20	20	19	18	17	18	1	
SD	4	4	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	

TEMPERATURE ICC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 4

OCT, 1980

AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLUCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	17	16	17	16	16	16	16	16	16	18	21	23	25	26	26	26	25	24	23	23	21	20	18	20	26	
2	17	16	14	14	13	12	12	12	14	15	16	17	18	19	20	20	20	20	19	18	17	16	15	14	16	20
3	14	12	12	11	10	10	8	10	11	14	16	18	20	22	23	23	23	22	21	20	18	17	15	16	23	
4	16	13	14	13	14	12	10	12	13	15	17	19	21	23	24	24	24	23	22	21	19	18	16	18	24	
5	16	14	14	14	14	12	12	13	14	17	19	21	22	23	24	24	24	23	22	21	20	18	17	18	24	
6	14	13	13	13	12	12	11	11	14	16	17	19	21	23	23	24	23	22	21	19	18	17	16	17	24	
7	15	15	14	13	13	13	11	11	14	15	16	20	21	23	25	25	24	23	22	21	19	18	16	18	25	
8	16	16	15	14	14	13	13	12	14	16	18	20	22	23	24	25	25	24	23	22	21	19	17	17	18	25
9	16	16	15	14	12	12	12	15	14	14	16	18	21	22	23	24	23	22	22	20	19	19	17	16	18	24
10	16	15	14	12	12	11	11	15	12	14	16	18	19	21	22	22	22	21	18	17	16	15	14	12	15	20
11	12	12	11	9	9	9	7	8	11	12	14	16	18	19	21	22	22	21	20	19	20	19	19	19	16	22
12	16	17	16	14	14	14	14	14	14	14	14	11	11	10	9	10	10	10	11	12	11	11	11	11	13	18
13	11	10	9	8	9	9	9	9	10	11	12	13	14	15	14	14	15	14	14	14	10	9	8	9	11	15
14	7	7	7	6	6	6	5	5	6	6	6	6	9	10	12	12	13	9	8	7	6	6	4	7	13	
15	5	6	5	6	5	4	3	3	4	6	7	7	7	3	4	4	4	3	3	3	3	3	2	2	4	7
16	2	2	2	2	2	2	2	1	1	1	1	2	3	4	5	5	4	5	5	4	5	5	4	4	5	8
17	4	4	2	2	3	2	3	2	3	4	5	5	7	7	7	8	7	6	6	6	5	5	4	4	5	8
18	3	3	2	2	3	3	3	3	4	5	6	6	8	9	10	10	10	9	8	7	6	5	5	4	10	
19	6	5	5	5	5	4	4	3	5	6	7	9	10	12	12	12	11	11	10	10	9	8	8	7	8	12
20	6	5	4	5	5	3	3	4	5	7	8	9	11	12	13	13	13	12	11	10	10	9	8	8	13	
21	7	6	6	5	5	6	3	3	6	7	9	11	12	13	14	15	15	14	12	11	11	10	10	10	15	
22	10	10	9	9	9	8	10	10	11	13	14	15	15	15	15	14	12	11	9	7	5	4	4	4	10	15
23	2	2	1	1	0	0	0	0	1	2	3	4	5	5	6	6	6	5	4	4	3	2	2	2	3	6
24	1	1	0	-1	0	-1	-2	-1	0	2	4	5	7	9	10	11	10	9	8	7	6	5	5	4	11	
25	4	3	2	1	0	1	1	0	2	3	5	6	8	9	10	10	10	9	9	9	9	8	8	8	10	
26	6	6	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	8	
27	3	3	3	2	3	3	3	3	3	3	3	3	3	4	4	4	3	2	2	2	2	1	1	1	4	
28	-1	-1	-1	-1	-1	-2	-2	-2	0	1	2	3	3	4	5	5	5	4	3	3	2	2	1	1	5	
29	1	0	0	1	2	3	3	3	3	5	7	7	8	9	9	9	9	7	7	6	5	4	4	3	9	
30	2	2	1	1	0	0	0	0	1	3	5	7	8	10	11	12	11	10	9	9	7	7	6	6	5	12
31	5	5	3	3	2	3	3	3	5	6	9	10	11	13	13	13	12	11	10	10	9	8	8	7	7	13
AV	9	8	8	7	7	7	6	6	7	9	10	11	13	13	14	14	13	13	13	12	11	10	10	9	10	11
SD	6	6	6	5	5	5	5	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6	6	6	11

TEMPERATURE ICC1031

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
HUMANZA, UTAH
SITE

NOV, 1960

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 06/JUN/81 *
.....

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVF	PEAK
1	7	6	5	6	5	4	3	3	5	5	7	9	11	12	13	13	13	12	11	11	10	9	9	8	8	13
2	8	6	6	7	7	5	4	5	5	7	8	10	11	13	15	16	14	12	11	11	11	10	11	9	9	14
3	9	7	7	7	6	6	7	4	5	6	8	10	12	13	14	14	14	13	12	12	12	9	9	9	9	14
4	8	7	7	7	7	7	6	7	7	9	9	11	13	14	14	14	14	14	13	12	12	11	10	8	10	14
5	8	7	7	7	6	5	4	4	6	8	10	11	13	15	16	16	15	14	13	12	11	11	10	9	10	16
6	8	8	6	7	7	6	5	5	8	10	11	12	13	16	17	16	16	14	14	15	14	14	14	14	11	17
7	14	11	9	11	11	11	11	9	10	13	14	17	20	20	20	18	18	16	15	15	15	14	14	14	14	20
8	14	14	13	13	13	13	12	12	14	16	14	15	15	15	15	13	13	12	12	12	11	10	9	9	13	16
9	9	8	5	6	6	4	4	5	7	9	11	13	14	15	16	16	16	15	14	14	14	14	14	14	14	20
10	11	9	8	7	8	6	6	7	7	8	9	10	11	12	14	16	16	15	15	14	14	13	12	12	12	16
11	14	14	13	11	8	7	7	8	7	8	9	10	11	12	14	14	16	15	15	15	14	14	15	15	15	16
12	12	11	12	12	12	12	12	12	13	14	14	13	14	14	13	10	10	16	15	15	14	13	13	12	12	16
13	6	6	5	5	4	3	2	1	1	1	1	2	2	2	2	2	1	1	1	1	0	0	0	0	0	6
14	0	-1	-1	-1	-1	-2	-2	-2	-2	-1	0	0	1	1	1	1	1	0	-1	-2	-2	-2	-2	-3	-1	1
15	-3	-3	-4	-4	-5	-5	-6	-6	-5	-5	-3	-2	-1	0	0	0	0	-1	-1	-2	-3	-4	-5	-5	0	
16	-5	-6	-6	-6	-6	-7	-7	-7	-6	-5	-4	-3	-2	-1	-1	-2	-2	-2	-3	-3	-3	-4	-4	-5	-4	-1
17	-5	-5	-5	-7	-7	-8	-8	-8	-7	-5	-3	-2	-1	0	0	0	0	-1	-1	-2	-2	-3	-4	-4	0	
18	-4	-5	-7	-7	-6	-7	-8	-8	-6	-5	-3	-2	0	0	1	1	1	0	0	0	-1	-1	-2	-2	0	
19	-3	-3	-3	-4	-4	-4	-5	-6	-5	-3	-2	1	3	4	4	4	3	2	2	2	1	1	0	0	0	1
20	-1	-2	-3	-2	-2	-3	-4	-4	-3	-1	1	2	3	4	4	4	3	2	2	2	1	1	0	-1	0	4
21	-1	-2	-2	-4	-3	-2	-4	-4	-4	-3	-1	1	4	5	5	6	5	4	4	3	4	4	2	2	1	4
22	3	3	3	3	3	2	3	0	0	1	4	6	6	6	6	6	5	4	4	3	4	4	2	2	1	4
23	2	2	2	2	1	1	0	0	0	2	3	4	5	5	5	4	4	4	4	3	2	1	0	0	0	5
24	0	0	0	0	0	0	0	0	0	1	0	1	1	2	2	1	1	1	0	-1	-1	-2	-2	0	2	5
25	-3	-3	-4	-4	-4	-5	-4	-6	-6	-5	-3	-2	-1	-1	-1	-1	-1	-2	-2	-1	-1	-2	-2	-2	0	2
26	-3	-3	-3	-3	-5	-6	-6	-5	-5	-5	-2	0	0	0	0	0	0	0	-1	-2	-2	-3	-3	-3	-1	0
27	-3	-3	-3	-4	-6	-6	-6	-6	-6	-4	-3	-2	-2	-2	-1	0	-1	-1	-1	-2	-3	-3	-3	-3	-3	0
28	-4	-4	-3	-4	-3	-4	-3	-5	-2	-2	-1	2	4	4	5	4	4	4	5	4	2	1	2	2	0	5
29	2	1	1	0	0	0	-1	0	0	-1	1	2	3	4	5	5	5	4	4	5	5	5	2	4	4	8
30	4	4	6	7	7	7	7	7	7	7	10	11	12	12	11	10	10	8	8	9	9	9	8	8	8	12
AV	3	3	2	2	2	1	1	1	1	2	4	5	6	6	7	7	7	7	6	6	5	5	4	4	4	1
SD	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	6	6	6	6	6	6	6	6

121 JAN 811

TEMPERATURE (CC103)
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 DEC. 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/12/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK			
1	8	6	5	5	3	2	2	1	1	2	2	3	4	4	4	4	4	3	3	3	2	2	0	1	0	3	A		
2	0	-1	-1	-1	-1	-1	-1	-2	1	-1	0	1	2	3	5	5	5	5	7	7	6	5	4	8	8	3	A		
3	6	2	4	5	5	6	9	5	4	3	3	4	11	14	14	12	12	11	11	10	10	10	10	10	10	10	8	14	
4	10	10	10	10	10	10	10	10	10	10	11	12	12	11	9	9	8	7	7	7	7	7	8	7	7	7	9	12	
5	6	6	6	6	6	5	5	5	5	6	6	6	6	7	6	7	5	4	3	3	3	1	1	1	1	1	5	8	
6	1	2	1	1	1	1	1	1	0	1	1	1	3	4	4	4	4	4	4	3	2	2	1	1	1	1	2	8	
7	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	0	0	
8	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-1	0	
9	-4	-4	-5	-5	-5	-4	-4	-5	-5	-4	-3	-2	-1	-1	0	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	0	0	
10	-3	-4	-5	-5	-6	-6	-5	-7	-6	-5	-3	-2	-1	1	2	2	1	0	0	0	0	0	-1	-2	-2	-2	2	2	
11	-1	-1	-2	-2	-3	-4	-4	-4	-3	-2	-1	1	2	3	4	4	4	2	2	2	1	1	0	0	0	0	0	0	
12	-1	-1	-2	-2	-3	-3	-4	-3	-2	-1	1	2	3	4	4	4	4	2	2	1	1	0	0	-1	-1	0	0	0	
13	-1	-2	-3	-3	-4	-4	-5	-5	-5	-5	-2	0	2	3	4	4	3	3	3	3	1	1	0	0	-1	-1	0	0	
14	-1	-2	-2	-2	-4	-4	-2	-3	-4	-3	-2	1	2	3	4	4	2	1	1	1	1	0	0	0	0	0	0	0	
15	0	0	1	0	0	0	-1	-1	-1	0	1	2	3	5	6	7	7	6	6	6	3	3	3	3	3	3	3	3	3
16	2	1	1	0	0	0	0	-1	-2	1	3	4	5	7	7	7	6	5	4	4	4	4	4	4	4	4	4	4	4
17	1	2	2	0	0	-1	-1	-1	-1	0	2	4	5	6	7	7	6	6	6	5	4	4	4	4	4	4	4	4	4
18	2	3	3	2	2	1	1	1	1	3	4	5	6	7	8	8	7	6	6	6	6	5	4	4	4	4	4	4	4
19	4	4	3	1	2	0	1	1	1	2	3	4	5	7	7	7	6	6	6	5	5	4	4	4	4	4	4	4	4
20	2	1	0	-1	-1	0	-1	-2	-1	0	1	2	3	5	6	6	4	4	4	4	3	3	3	3	3	3	3	3	3
21	1	1	-1	0	-1	0	0	-2	0	1	2	4	5	6	7	7	6	6	6	7	7	6	6	6	6	6	6	6	6
22	5	5	6	7	7	7	5	5	6	4	6	8	10	10	11	11	10	9	9	9	9	9	9	9	9	9	9	9	9
23	6	6	5	5	2	2	2	3	3	4	5	6	7	8	8	7	7	6	6	6	5	5	4	4	4	4	4	4	4
24	2	3	2	1	1	1	1	-1	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	2	3	1	1	-1	1	3	4	4	6	8	7	8	9	9	8	8	7	6	6	6	6	6	6	6	6	6	6	6
26	8	7	7	5	3	3	3	2	2	2	5	6	8	8	10	10	9	8	8	8	7	6	6	6	6	6	6	6	6
27	5	4	3	3	2	2	2	2	2	2	4	6	8	8	8	8	7	7	7	6	6	5	5	4	4	4	4	4	4
28	3	3	4	3	4	4	2	3	3	2	4	6	6	7	7	7	6	6	6	6	6	5	4	4	4	4	4	4	4
29	2	2	2	1	1	0	1	0	0	1	3	4	5	6	7	7	6	6	6	6	5	5	4	4	4	4	4	4	4
30	1	1	0	0	-1	-1	-2	-1	-1	-1	1	3	4	6	7	6	6	5	4	4	4	4	4	4	4	4	4	4	4
31	2	2	1	0	-1	0	-1	-1	-1	1	2	4	6	7	7	6	6	5	4	4	4	3	3	3	3	3	3	3	3
AV	2	2	1	1	1	0	0	0	1	2	3	3	5	6	6	6	5	5	4	4	4	3	3	3	3	3	3	3	3
SD	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

SIGMA IMETA 1003201
 DEWEES
 LEVEL HEIGHT : 10 METERS

PHIIE NIVEH SHALL PROJFL1, #139
 BONANZA, UTAH
 SITE 4
 JAN, 1980
 AERVIADIMENT INC.

 * FINAL DATA *
 * AS OF 31/MAY/81 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	11	9	9	9	9	14	11	9	12	9	18	24	12	12	14	11	14	8	9	8	8	8	8	9	11	24	
2	12	12	9	14	15	15	9	9	11	17	17	18	20	26	21	23	18	15	15	18	11	9	20	8	9	15	
3	11	14	14	15	12	11	11	11	20	17	14	20	18	14	15	14	15	14	11	14	18	15	21	14	15	26	
4	17	11	14	20	23	24	32	21	17	15	20	17	14	20	14	11	11	17	14	14	24	14	18	14	17	32	
5	14	12	17	12	12	15	14	18	14	17	15	23	20	18	20	17	15	20	14	12	15	20	18	14	14	23	
6	21	20	15	11	23	23	20	21	17	9	9	11	14	12	15	14	20	18	11	23	9	9	8	20	16	23	
7	21	14	15	12	15	15	17	17	15	11	15	14	9	8	12	15	12	9	12	9	12	9	21	18	13	21	
8	18	11	12	18	20	17	18	14	18	20	14	11	11	14	21	12	17	14	17	23	24	26	21	21	17	26	
9	20	21	20	21	20	20	21	21	23	23	23	26	24	29	21	30	27	23	18	23	18	15	24	18	22	30	
10	20	32	29	24	23	23	24	24	24	9	9	11	12	9	9	9	11	9	9	9	9	9	11	14	18	32	
11	15	12	15	11	12	21	12	14	9	9	11	12	15	24	24	17	11	11	12	15	14	14	15	12	14	29	
12	14	15	15	14	11	11	9	9	18	14	12	14	18	20	17	12	17	15	21	15	17	15	9	18	15	21	
13	23	23	23	23	23	27	26	23	24	21	26	24	20	11	17	30	21	24	30	23	23	24	26	26	23	30	
14	21	18	18	18	17	21	20	23	14	9	15	26	17	15	14	14	11	18	18	17	14	11	11	9	16	26	
15	11	9	15	15	15	18	12	12	14	9	12	17	11	11	14	14	9	9	11	15	9	9	12	9	12	18	
16	14	12	11	11	12	11	9	11	9	11	9	11	12	15	14	15	14	14	17	15	9	9	9	9	11	12	17
17	11	9	9	11	15	14	9	11	11	11	9	11	12	9	12	17	11	11	12	17	15	12	9	14	12	17	
18	14	11	17	18	14	12	11	11	9	8	12	12	12	12	11	11	9	8	12	11	11	11	11	11	12	18	
19	18	11	11	11	9	9	9	9	9	11	9	9	9	9	9	9	9	11	11	9	8	9	9	9	10	18	
20	9	8	8	17	11	9	9	11	12	18	20	14	14	15	12	12	14	9	11	8	8	8	8	11	12	20	
21	15	15	14	14	14	17	11	11	14	11	14	17	23	18	27	20	15	9	9	9	11	9	11	11	14	27	
22	12	14	9	8	9	12	9	8	9	8	14	21	24	18	17	21	20	11	9	11	11	12	16	17	13	24	
23	21	15	20	21	11	17	21	12	12	18	21	20	12	14	12	9	9	17	18	23	17	18	17	15	23		
24	17	20	18	12	15	24	17	23	14	15	20	20	27	21	27	21	14	12	11	14	17	17	17	16	19	27	
25	18	17	15	17	12	15	12	17	24	18	20	26	26	17	23	15	11	14	12	12	11	9	11	11	16	26	
26	18	9	8	8	9	11	8	8	11	21	15	15	21	23	17	15	20	17	23	17	17	12	9	14	23		
27	12	17	9	9	11	15	9	9	11	9	11	12	15	18	15	15	12	15	9	14	9	11	18	15	18		
28	11	9	8	15	9	8	8	8	8	8	11	9	12	11	11	11	9	9	9	11	9	8	8	12	10	15	
29	9	12	9	12	12	9	8	6	8	8	9	11	11	11	14	11	15	18	18	12	12	9	8	9	11	18	
30	14	18	20	17	30	21	15	17	17	11	11	11	11	11	9	14	11	11	11	11	9	9	15	23	15	30	
31	15	17	15	9	11	9	18	12	17	11	11	14	15	20	14	12	11	12	17	9	11	12	14	17	13	20	
AV	15	14	14	14	15	16	14	14	14	14	15	16	16	16	16	14	16	14	13	14	14	13	14	15	15	1	
SD	4	5	5	4	5	5	6	5	5	5	5	6	5	5	5	5	4	4	5	5	5	5	5	4	4	1	

SIGMA THETA ICC1201

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 4

FEB, 1980

AEROVIGILANCE INC.

.....
* * * * * FIDAL DATA * * * * *
* * * * * AS OF 31/MAY/81 * * * * *
.....

CLUCK HOUR (LOCAL STANDARD TIME)

JAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	18	14	12	17	15	23	21	21	11	14	17	14	17	11	9	9	14	11	12	12	12	12	17	17	15	23	
2	14	14	15	12	14	14	12	14	17	14	11	12	20	20	14	12	9	9	14	14	15	18	12	14	14	20	
3	14	11	14	17	14	14	12	14	12	15	14	17	18	18	11	11	9	9	11	12	14	9	12	17	14	20	
4	15	23	27	21	15	15	17	12	15	18	23	23	14	9	12	21	17	15	26	15	14	11	21	20	18	27	
5	32	18	26	18	15	15	14	14	17	15	17	12	14	14	17	12	9	9	12	14	20	15	17	11	16	32	
6	12	11	12	9	14	14	11	14	17	11	11	12	14	12	9	12	9	8	12	15	11	11	12	12	12	17	
7	9	12	14	8	9	12	8	8	11	11	11	15	12	11	12	11	9	9	9	9	9	12	12	14	11	15	
8	18	12	9	15	14	8	8	9	11	12	11	9	11	11	9	9	9	8	8	8	9	8	8	14	10	16	
9	17	17	20	43	44	43	47	35	23	17	18	12	12	12	15	9	9	8	8	8	9	8	14	12	20	47	
10	12	12	12	12	15	14	15	12	11	12	12	17	17	15	12	9	6	12	11	20	14	14	14	12	13	20	
11	9	11	11	9	14	15	17	12	15	17	15	14	17	12	9	9	9	11	11	9	8	9	9	12	12	17	
12	11	11	23	11	15	27	15	12	18	18	17	17	21	26	14	9	9	11	14	17	17	17	14	14	16	27	
13	12	9	11	14	14	12	11	12	15	14	18	18	18	17	14	15	12	18	18	15	17	15	14	9	14	18	
14	11	12	9	12	12	12	11	15	12	15	17	20	12	12	11	15	17	9	11	15	17	15	14	14	13	20	
15	11	18	18	11	8	11	11	12	9	15	24	20	14	15	17	12	8	8	14	20	15	21	15	15	14	24	
16	17	18	11	14	12	17	23	24	15	9	14	14	14	27	18	24	11	12	21	14	15	14	15	14	16	27	
17	12	14	12	12	12	9	11	11	12	15	17	12	12	12	15	14	11	11	12	15	14	15	15	18	13	18	
18	27	26	21	18	20	17	17	17	12	20	27	23	14	11	11	11	11	17	12	18	14	21	20	24	19	27	
19	24	21	12	17	15	18	18	23	24	15	21	30	18	21	24	29	18	18	17	14	14	14	12	15	11	30	
20	4	9	17	23	20	21	24	20	17	18	18	21	17	17	15	11	11	9	11	21	20	18	17	17	17	24	
21	18	11	11	11	12	11	20	20	24	33	27	24	36	24	26	26	23	11	8	12	11	11	11	15	18	36	
22	12	12	9	9	8	11	11	18	11	9	9	11	11	12	11	11	9	11	11	9	14	17	12	11	11	18	
23	9	11	12	12	24	27	21	18	11	11	11	9	9	12	20	17	15	9	8	8	8	23	33	29	15	33	
24	33	23	9	11	11	11	17	27	18	17	14	18	17	15	17	20	20	14	9	11	15	12	21	20	17	33	
25	18	12	15	23	17	9	8	20	11	11	12	17	20	17	14	17	15	8	6	8	12	11	11	17	14	23	
26	12	14	9	12	14	11	12	11	12	11	9	12	12	21	17	12	21	17	11	8	9	11	8	9	12	21	
27	12	12	8	8	18	14	17	17	9	11	14	18	18	20	12	12	12	9	8	9	11	9	9	9	12	20	
28	11	11	21	14	15	14	9	9	9	11	12	12	14	14	12	14	17	12	9	9	9	9	9	9	12	23	
29	15	9	9	14	9	8	15	17	9	11	11	11	15	17	18	12	15	14	14	11	9	9	9	9	9	12	18
AV	15	14	14	15	15	15	16	16	14	15	15	16	16	16	15	14	13	11	12	13	13	13	14	15	14	11	
SD	6	4	5	7	6	7	7	6	4	5	5	5	5	5	4	5	4	3	4	4	3	4	5	5	5	1	

SIGMA META ICC1201

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 4
MAR, 1980
AEROSOL ENVIRONMENT INC.

.....
* FINAL DATA
* AS OF 31/MAY/81
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9	17	9	8	9	9	8	9	12	9	9	11	14	12	17	18	21	14	11	11	12	8	6	11	11	21
2	20	15	20	15	12	15	14	11	14	14	17	14	29	17	12	12	12	18	14	15	11	12	14	8	15	29
3	11	14	12	14	8	11	17	15	11	9	14	23	26	20	24	24	12	11	17	10	21	14	17	18	16	26
4	15	11	17	17	12	17	23	23	21	20	26	17	12	11	11	11	11	9	9	9	9	9	9	14	14	26
5	20	18	17	17	17	20	21	27	30	24	18	21	21	23	23	24	21	23	24	26	29	21	23	18	22	30
6	20	24	20	11	9	15	12	18	17	12	12	9	9	8	8	9	11	17	17	15	11	12	14	20	14	24
7	30	11	8	20	20	26	14	11	14	27	15	12	9	9	11	12	20	17	11	11	14	11	11	12	15	30
8	11	9	9	9	20	15	8	17	23	18	14	12	12	12	11	11	11	9	9	11	9	11	9	12	12	23
9	12	14	9	12	9	9	12	21	23	14	12	11	9	9	9	11	9	9	9	12	15	20	17	20	13	23
10	24	23	30	36	27	12	12	17	14	14	14	12	14	20	18	18	20	15	21	18	14	12	14	18	19	36
11	49	40	12	14	17	14	11	15	15	11	15	15	20	14	21	21	17	17	17	20	20	18	16	20	19	49
12	18	15	9	9	9	9	9	9	8	8	9	9	11	11	11	11	11	11	11	14	12	14	11	8	11	18
13	8	12	9	14	11	11	17	21	15	21	17	23	15	24	17	15	15	15	11	12	18	17	20	17	16	24
14	23	15	15	24	29	20	21	21	20	26	29	17	17	20	26	35	35	24	17	17	14	17	15	20	21	35
15	23	21	20	20	21	21	23	20	12	12	26	23	12	12	14	18	15	17	15	11	14	12	9	11	17	26
16	9	9	9	9	14	11	11	9	11	15	17	15	21	17	18	18	21	18	12	12	11	14	12	9	11	21
17	9	21	29	17	9	11	15	20	12	18	18	29	27	23	27	24	21	20	17	20	20	14	18	18	19	29
18	12	11	11	15	20	14	15	9	9	15	14	12	12	14	14	14	12	11	14	11	11	8	8	11	12	20
19	14	11	15	11	11	24	14	15	17	15	15	12	11	11	11	11	11	11	11	11	11	12	12	9	13	24
20	8	8	14	14	18	21	20	14	15	18	24	21	24	26	20	21	29	20	15	17	15	21	32	26	19	32
21	46	35	18	40	29	17	14	33	38	33	29	27	27	26	23	15	11	11	12	12	20	14	17	15	23	46
22	15	23	9	8	8	14	8	18	17	11	14	11	9	9	9	9	9	9	9	9	11	12	12	8	11	23
23	12	15	21	14	9	12	12	9	24	21	21	27	29	23	24	23	23	24	12	23	20	9	11	14	18	29
24	9	14	17	8	14	9	15	9	15	12	21	32	29	30	32	24	40	41	21	11	11	8	9	11	19	41
25	9	6	6	6	6	6	6	6	6	6	11	20	11	11	14	23	23	15	14	9	9	12	9	14	11	23
26	14	18	17	11	12	14	12	9	14	20	15	24	20	30	24	20	17	12	30	32	33	41	27	14	20	41
27	12	14	15	26	12	12	11	9	17	20	18	17	21	20	18	17	12	9	9	9	8	9	9	8	14	26
28	9	9	12	9	8	9	15	24	11	9	17	14	14	14	12	14	12	11	11	11	12	9	9	11	12	24
29	8	9	15	14	9	8	9	18	23	30	32	26	24	26	20	21	17	17	14	26	24	27	23	19	32	
30	21	11	11	26	36	33	33	21	14	14	24	35	23	11	11	9	9	15	11	9	12	11	9	20	18	36
31	23	21	20	20	21	17	11	11	15	14	14	30	21	23	17	20	27	29	23	14	20	12	14	17	19	30
AV	17	16	15	16	15	15	14	16	17	17	18	19	18	17	17	17	18	16	15	15	15	15	15	15	16	11
SD	10	7	6	8	7	6	6	6	7	6	6	7	6	6	6	6	6	6	7	5	6	6	7	6	5	11

ADDDT (29 JAN 81)

SIGMA THETA ICC2P01
 DEGREES
 LEVEL HEIGHT : 10 FEET

WMTF RIVER SHALE PROJECT, #139
 HUNANZA, NJAH
 SITE 4
 APR, 1980
 AERUVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAY/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	26	29	30	23	24	15	9	12	20	29	18	17	32	20	15	21	15	14	11	9	9	14	11	19	32	
2	9	11	11	15	17	15	9	17	14	12	11	11	9	12	15	14	14	15	11	11	15	8	23	17	23	
3	21	14	11	11	11	12	18	11	12	15	20	29	29	29	29	20	27	23	14	11	15	11	9	20	16	
4	20	14	11	11	11	9	12	18	11	12	15	20	29	29	29	20	27	23	14	11	15	11	9	11	16	
5	11	12	17	24	15	11	14	12	15	14	29	29	21	20	18	11	9	11	9	20	18	11	15	15	29	
6	12	9	9	8	11	17	15	12	11	12	12	11	11	11	11	11	9	9	9	11	11	15	14	11	17	
7	8	11	11	14	14	9	8	9	9	9	9	11	11	11	11	11	11	9	9	9	9	9	14	10	14	
8	11	11	11	24	14	18	14	9	11	23	26	29	27	21	23	20	20	33	15	14	17	14	12	20	18	
9	32	17	14	18	18	17	12	15	15	12	23	15	18	21	15	15	11	12	18	17	20	21	21	18	32	
10	11	8	15	12	9	8	9	9	11	12	12	11	9	11	11	11	11	11	11	9	9	12	9	12	10	
11	14	9	8	6	17	14	14	14	12	12	11	9	11	11	11	11	11	11	11	11	11	11	12	14	11	
12	17	17	14	9	8	17	15	15	14	15	24	21	27	21	17	17	14	11	11	11	11	12	11	12	15	
13	18	15	20	11	8	5	14	12	15	14	15	14	12	15	14	26	27	20	11	8	8	14	11	9	16	
14	9	14	17	21	17	12	20	12	20	26	33	26	40	38	26	21	26	23	17	9	14	15	15	12	20	
15	27	1031	30	38	20	11	20	21	15	21	12	14	11	12	14	11	11	11	11	9	9	9	9	8	15	
16	9	14	18	15	11	11	18	11	12	17	17	27	33	33	24	18	21	15	18	11	9	17	12	12	17	
17	9	12	9	17	18	15	12	9	12	20	30	24	23	24	24	18	21	18	12	12	12	15	17	17	30	
18	17	20	14	21	17	15	28	23	12	17	18	24	20	24	20	14	12	11	12	15	17	11	9	11	17	
19	12	12	17	14	20	9	15	15	12	15	16	20	17	12	18	24	15	11	12	12	17	9	9	11	15	
20	12	15	11	11	15	11	11	9	17	20	23	20	20	29	23	15	20	17	15	20	17	11	12	15	24	
21	27	26	17	30	21	24	29	23	30	30	53	30	30	15	18	29	21	18	14	11	15	11	9	20	53	
22	11	14	15	9	12	9	8	14	14	12	20	20	14	12	11	12	9	9	15	11	12	11	12	11	20	
23	14	27	29	27	17	18	26	12	8	11	17	17	12	12	12	9	9	12	9	15	11	12	11	9	12	
24	14	12	8	8	9	8	14	9	9	11	15	17	24	18	14	15	12	17	15	11	9	21	15	11	29	
25	9	9	8	14	14	14	8	14	14	11	12	23	23	20	21	17	14	14	9	9	9	8	8	14	23	
26	14	9	21	11	9	12	12	15	20	17	20	18	29	30	30	24	26	30	15	9	6	11	11	9	17	
27	9	11	9	20	5	8	12	18	15	24	36	24	21	26	27	24	23	12	8	12	18	11	8	17	36	
28	17	23	11	12	15	17	17	15	20	29	20	20	17	23	24	26	12	6	6	11	24	18	17	11	29	
29	17	23	11	11	18	23	9	15	11	9	14	30	26	41	44	26	30	15	6	9	11	6	14	18	44	
30	14	14	11	6	17	8	8	15	24	26	32	32	35	20	15	12	9	12	14	15	11	12	14	16	35	
AV	15	15	15	16	14	13	14	14	14	17	21	21	22	21	19	17	17	15	12	11	13	12	13	14	16	
SD	6	6	6	7	5	5	5	4	5	6	9	6	8	8	7	6	7	6	3	3	4	4	4	4	3	1

SIGMA THETA 1CC1201

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALF PROJECT, #139
HONANZA, UTAH
SITE 4
MAY, 1980
AFROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 02/JUN/81 *
*
*.....

CLOCK HOUR ILOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9	11	9	8	26	18	9	11	20	12	12	11	11	20	21	14	9	12	20	14	11	24	32	26	15	32
2	11	12	14	14	9	9	15	11	17	18	27	21	35	47	32	27	21	1A	20	12	15	1A	12	11	19	47
3	17	17	17	17	9	11	17	23	30	23	30	35	18	21	24	26	20	23	18	29	14	15	19	19	19	35
4	14	17	18	11	14	14	8	15	23	23	26	29	21	18	21	18	18	23	17	24	1A	A	35	19	19	35
5	41	20	11	9	11	14	9	12	17	20	27	20	23	21	14	12	12	11	20	30	30	35	30	18	19	41
6	24	24	9	6	9	12	14	14	14	24	20	23	24	23	17	38	46	23	14	12	15	20	20	21	19	46
7	24	24	23	18	14	27	12	20	21	24	15	21	27	33	17	14	12	12	11	11	9	8	11	17	33	
8	23	20	14	15	17	15	9	1A	18	24	17	15	1A	24	17	18	18	1A	21	17	20	21	23	23	1A	24
9	29	1A	24	12	18	15	9	8	11	27	33	27	29	24	32	26	11	12	15	24	15	12	A	11	1A	33
10	15	17	11	1A	15	9	8	11	27	33	33	27	29	24	32	26	11	12	15	24	15	12	A	11	1A	33
11	11	17	9	15	9	8	8	20	24	36	30	14	15	24	15	26	15	12	14	9	18	17	12	12	1A	36
12	17	14	23	26	21	15	18	20	24	17	23	21	17	15	12	12	12	11	12	12	24	20	8	32	1A	32
13	20	12	14	12	12	14	9	15	14	15	14	15	21	18	26	26	32	33	23	17	15	23	24	14	19	33
14	9	14	18	18	11	11	12	14	17	17	17	24	27	26	12	11	11	9	11	38	24	24	12	11	17	3A
15	12	12	17	12	11	9	9	17	11	14	20	21	24	17	14	14	14	14	29	17	11	15	15	8	15	29
16	11	17	15	12	15	18	23	17	26	21	23	27	27	21	15	14	12	11	9	11	14	15	12	17	27	29
17	11	9	12	8	6	8	6	9	9	12	21	27	30	30	26	24	14	11	9	A	A	11	12	6	14	30
18	14	15	8	18	20	9	17	11	11	12	21	20	35	36	35	29	26	26	15	11	11	8	6	15	18	36
19	15	20	33	32	27	1A	14	11	20	17	17	17	14	21	32	33	30	23	11	A	11	12	17	11	19	33
20	12	20	24	29	23	17	17	14	24	27	27	24	21	21	1A	20	21	20	12	A	A	17	17	43	20	43
21	30	12	9	12	17	20	12	14	17	26	24	30	24	24	21	27	23	18	15	9	11	20	29	17	19	30
22	26	26	30	20	9	15	12	17	11	20	21	14	24	24	30	29	26	24	15	17	17	24	26	17	21	30
23	15	15	17	17	21	26	29	26	24	27	24	29	36	29	24	23	24	26	29	23	23	21	23	18	24	36
24	18	15	17	20	15	21	26	20	27	29	27	33	26	14	9	11	12	26	41	1A	17	21	21	1A	21	41
25	23	20	1A	20	17	18	21	14	14	12	12	15	14	14	20	14	12	9	9	12	9	9	20	1A	15	23
26	20	11	14	15	24	30	32	20	15	15	29	33	27	23	23	23	23	20	17	14	12	11	A	12	20	33
27	15	17	12	15	20	27	32	33	3A	33	30	21	1A	23	24	23	24	17	21	1A	1A	20	9	22	3A	3A
28	11	14	17	15	20	18	15	23	27	24	27	30	29	24	26	27	27	21	14	17	15	12	11	11	21	30
29	9	9	11	14	A	15	12	9	21	14	12	14	14	14	15	17	21	15	11	12	11	11	A	15	13	21
30	11	21	14	11	12	12	17	21	20	20	23	24	23	23	23	26	27	30	27	21	17	1A	8	11	19	30
31	15	17	15	18	17	17	11	9	12	20	23	26	21	24	17	12	11	1A	24	14	9	9	12	12	1A	24
AV	17	16	16	16	15	16	15	16	19	21	23	23	23	24	21	21	20	19	17	16	16	17	16	16	1A	11
SD	7	4	6	6	6	6	7	5	6	6	6	6	7	7	7	7	A	7	7	7	6	6	7	8	21	11

SIGMA THERIA ICC:201

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139
BORANZA, UTAH
SITE 4

JUN, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAY/81 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	15	11	14	11	9	11	17	15	14	27	24	18	21	29	29	29	17	14	21	24	23	14	12	9	18	29
2	9	20	21	12	17	11	20	30	27	26	26	26	29	27	26	26	27	26	32	26	15	15	21	44	23	44
3	14	32	15	17	15	24	29	27	26	27	29	26	24	29	36	32	30	29	21	17	14	14	18	14	23	36
4	15	18	20	21	20	21	21	27	26	26	29	27	26	27	23	18	15	17	20	18	18	23	23	21	22	29
5	18	12	11	12	8	11	11	11	21	23	27	27	36	29	20	15	20	21	23	23	20	18	20	18	19	36
6	12	12	17	20	20	21	18	12	12	12	12	12	12	15	14	15	14	11	11	11	12	12	9	11	14	21
7	9	17	12	14	21	9	11	23	17	24	21	26	29	20	15	26	21	18	12	14	12	11	12	11	18	29
8	8	9	17	14	21	15	11	26	17	17	17	18	21	27	26	23	18	14	14	14	12	11	11	14	17	27
9	12	11	11	14	17	9	12	17	23	18	20	20	18	24	30	32	24	18	12	14	11	18	12	20	18	32
10	27	24	18	27	29	12	18	21	21	17	24	21	27	30	24	27	30	24	18	20	20	18	20	18	22	30
11	21	18	21	9	9	21	17	15	23	24	27	26	26	35	30	15	12	14	18	26	17	17	21	20	20	35
12	20	17	14	12	15	21	21	18	14	14	18	17	24	24	20	24	23	23	26	20	18	14	14	12	19	26
13	11	24	11	11	8	8	18	23	21	33	23	27	24	23	24	26	18	24	18	18	17	18	18	18	19	33
14	17	17	15	12	11	20	29	24	26	18	15	14	14	15	15	14	14	14	11	9	11	11	11	9	15	24
15	8	11	9	8	6	8	8	11	24	24	27	18	12	15	14	15	15	12	11	12	11	8	9	9	13	27
16	14	11	14	11	14	15	18	9	11	18	24	24	23	21	23	20	17	17	20	12	11	11	11	11	16	24
17	9	11	14	15	14	27	12	17	26	32	27	35	20	24	20	17	14	20	11	8	9	24	9	9	18	35
18	15	18	17	21	21	20	24	24	12	14	18	12	23	30	29	21	21	12	9	11	12	11	12	15	18	30
19	12	14	17	12	12	15	15	12	15	23	24	24	26	38	29	23	14	17	14	12	12	11	6	11	17	38
20	17	21	23	12	17	14	14	15	14	17	20	27	21	21	24	21	27	21	20	24	21	21	20	17	20	27
21	15	12	15	29	15	24	18	20	24	17	18	20	24	17	14	14	11	11	11	12	15	23	27	14	18	29
22	21	18	11	14	9	17	12	17	18	27	20	17	18	33	29	23	26	21	18	21	21	15	17	21	19	33
23	26	23	18	18	15	29	41	23	27	30	24	30	23	23	26	18	15	18	17	23	18	12	18	22	41	
24	11	9	21	20	9	24	20	30	17	15	20	23	24	16	26	24	20	14	15	15	18	20	18	20	19	30
25	21	15	14	14	14	15	24	12	17	41	26	30	32	29	36	26	33	27	27	26	15	20	15	23	41	
26	12	15	12	12	11	15	17	26	27	27	27	24	23	21	17	18	14	15	23	20	21	21	15	19	27	
27	11	9	9	9	9	9	9	11	20	23	20	14	12	11	12	12	12	11	9	9	9	6	9	9	12	23
28	14	11	8	9	9	12	12	11	11	27	32	12	24	18	15	40	26	18	12	21	18	12	11	12	16	40
29	14	18	21	17	11	24	21	14	14	14	14	17	12	18	14	11	11	9	14	27	14	9	14	14	16	40
30	24	40	17	17	12	11	15	15	20	18	12	9	14	24	21	33	20	12	12	12	9	14	14	14	18	40
AV	15	17	15	15	14	16	18	19	20	22	22	22	22	24	23	22	20	14	17	17	16	14	15	16	18	11
SD	5	7	4	5	5	6	7	6	6	7	5	6	6	6	6	7	6	5	6	6	4	4	5	7	3	11

SIGMA THETA (CC1201)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 4
 JUL, 1980
 AERUVIKUMFENT INC.

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 * FINAL DATA *
 * AS OF 31/MAY/81 *
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DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	14	9	12	26	24	20	21	18	17	18	17	18	21	27	14	15	15	27	21	32	23	30	24	18	18	26	
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	18	26
3	12	14	17	12	11	15	12	18	15	15	21	21	33	33	33	18	15	20	15	14	17	12	14	14	17	33	
4	9	15	24	11	17	18	12	21	20	24	21	18	26	26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	19	26
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
7	21	14	12	9	23	15	14	11	11	18	23	35	29	30	36	30	26	21	27	40	38	21	23	23	40		
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1
12	26	18	26	12	18	18	27	14	29	17	18	21	27	38	49	46	20	14	11	12	27	32	40	25	49		
13	17	17	11	18	20	21	17	24	23	23	15	15	12	12	18	35	24	15	9	15	40	50	27	22	50		
14	23	36	32	12	20	14	18	27	17	14	14	17	18	14	11	12	11	12	11	15	24	24	17	11	18	36	
15	11	17	17	26	27	18	27	35	20	35	21	17	12	15	12	12	11	11	11	9	9	9	9	9	17	35	
16	29	55	14	24	20	15	20	26	20	23	23	20	15	17	20	23	18	18	9	11	15	21	18	20	55		
17	11	41	49	21	17	12	14	15	30	17	14	12	15	17	36	21	15	11	12	12	9	12	9	12	15	49	
18	12	12	15	9	9	9	23	15	14	20	23	23	20	12	17	26	14	11	12	14	20	17	21	29	17	29	
19	15	14	15	14	30	14	14	17	14	15	14	15	15	12	14	14	12	14	12	14	20	11	9	6	14	30	
20	23	14	17	20	14	20	27	15	12	17	26	30	20	14	12	18	20	17	14	20	11	12	12	12	17	30	
21	15	11	12	18	12	17	17	8	9	20	23	30	18	14	15	14	12	14	11	8	9	20	17	15	30		
22	21	14	11	14	20	23	14	11	14	20	23	15	12	15	17	15	14	9	9	14	17	15	12	15	30		
23	15	18	20	17	18	12	20	21	23	21	26	30	20	23	26	17	12	9	11	17	23	10S	27	21	19	30	
24	49	32	20	26	21	21	17	23	14	18	23	18	17	15	15	18	18	18	9	11	18	12	12	17	14	49	
25	8	11	14	23	20	21	15	33	26	17	20	21	18	18	12	23	20	20	15	12	11	18	14	12	17	33	
26	21	12	20	30	15	14	20	15	14	17	23	35	24	17	15	15	15	15	14	38	32	18	14	15	19	38	
27	9	11	30	20	15	14	12	20	27	40	27	33	38	21	21	18	24	14	11	11	20	15	18	20	40		
28	32	24	23	29	15	15	21	11	9	17	23	32	18	20	15	14	20	20	17	11	9	12	18	12	20	40	
29	12	17	29	18	15	27	21	36	21	14	17	20	15	32	21	12	12	8	9	12	12	11	11	17	36		
30	11	9	12	8	23	12	24	23	35	32	26	15	14	15	14	15	15	14	17	12	9	15	14	26	17	35	
31	18	12	14	8	18	9	15	15	17	17	24	29	40	29	30	30	20	12	9	11	9	8	8	14	17	40	
AV	18	19	19	18	16	16	14	19	19	20	21	21	20	21	19	18	16	16	14	15	17	18	18	19	19	1	
SD	9	11	9	7	5	4	4	8	7	6	5	7	7	7	8	9	8	5	4	7	8	10	9	8	3	1	

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SIGMA THETA JCC8201

DREMPES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 4

AUG, 1980

AERIVIRONMENT INC.

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* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAY/81 * * * * *
* * * * *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	20	17	11	9	8	14	15	21	15	17	21	21	23	14	14	26	21	21	15	17	9	9	26	17	17	26	
2	15	20	17	18	15	38	23	18	15	17	20	18	12	12	14	14	15	14	11	9	9	9	9	9	15	16	
3	12	12	15	14	18	24	20	17	17	20	14	12	11	11	11	11	11	11	11	11	9	9	9	9	13	24	
4	11	12	24	30	26	11	14	14	11	17	12	12	11	12	12	15	12	11	11	9	9	17	20	14	30	24	
5	30	8	12	23	17	18	23	20	15	11	15	18	17	24	32	24	14	11	14	11	20	24	23	23	19	32	
6	21	20	14	9	29	11	12	11	12	11	20	18	20	15	12	12	11	11	12	11	12	15	15	21	15	29	
7	12	9	11	12	15	11	11	21	23	18	17	21	30	29	29	26	27	32	24	26	27	14	12	20	32	24	
8	14	17	23	24	12	11	9	17	14	14	20	21	20	15	11	12	18	17	11	12	12	18	24	14	16	24	
9	20	1091	30	24	18	16	21	27	15	11	11	18	12	12	15	11	11	11	11	9	14	11	11	15	15	30	
10	21	18	12	24	12	18	23	14	17	18	32	17	15	14	12	12	11	11	11	11	11	11	11	11	15	32	
11	11	15	12	15	15	12	11	23	12	12	21	27	32	27	23	21	17	17	15	11	11	8	8	14	16	32	
12	11	8	12	18	21	20	12	21	23	24	20	21	12	14	24	23	24	15	11	36	21	47	24	36	21	47	
13	41	33	12	14	18	14	15	11	15	36	23	24	20	21	17	30	20	14	26	27	24	44	27	17	23	44	
14	11	9	9	12	11	8	12	11	21	20	24	17	15	29	29	27	32	21	18	12	18	21	18	17	32	18	
15	12	20	20	26	52	36	18	26	18	24	12	17	29	26	20	12	11	11	11	12	12	11	11	14	19	52	
16	27	30	32	11	8	11	9	12	18	15	18	17	17	27	15	18	17	18	11	8	9	9	8	9	15	32	
17	14	12	15	15	15	15	15	15	21	24	29	30	23	23	23	36	20	20	20	12	9	11	27	46	40	21	48
18	33	27	18	9	15	11	9	17	20	23	18	26	29	24	18	23	21	21	21	24	18	18	20	20	20	33	
19	20	20	20	18	17	18	21	20	15	12	15	12	12	11	9	12	20	11	9	9	9	9	9	9	14	21	
20	11	12	9	12	23	36	23	17	14	15	29	36	20	21	15	24	24	26	11	8	30	30	11	9	19	46	
21	21	23	12	8	20	17	20	14	27	17	21	20	24	26	18	18	26	20	11	20	1091	40	26	14	20	40	
22	14	14	15	21	11	11	11	12	12	15	21	21	29	21	24	21	17	14	15	15	17	18	18	18	17	29	
23	20	23	23	20	18	18	23	29	26	18	17	15	20	17	27	26	20	15	24	1091	56	1091	47	41	25	56	
24	29	18	14	15	15	18	23	24	21	15	12	14	14	12	24	24	29	23	20	12	11	9	18	33	19	33	
25	15	14	11	12	26	27	30	46	27	24	12	9	11	17	20	12	18	14	20	11	11	12	14	9	1A	46	
26	17	9	11	23	26	20	8	15	27	21	21	36	32	30	23	15	11	20	14	17	15	14	6	8	18	36	
27	17	17	20	17	12	14	21	29	21	15	20	27	32	29	23	20	11	12	15	18	17	21	20	17	19	29	
28	17	18	18	35	21	29	1091	46	15	17	14	17	15	17	14	15	15	18	20	21	17	18	20	20	20	46	
29	20	17	15	17	17	18	17	17	18	17	15	23	20	26	27	23	27	27	26	18	21	23	23	21	21	27	
30	21	20	14	23	21	32	21	20	12	12	27	18	17	23	16	11	9	9	11	11	12	8	11	16	32	27	
31	12	15	26	17	9	9	15	17	12	17	18	17	21	21	15	12	14	17	18	11	12	11	12	15	15	26	
AV	18	17	16	17	18	19	17	20	18	18	19	20	20	20	19	19	18	16	15	14	16	18	18	18	18	18	18
SD	7	6	6	6	8	8	6	8	5	5	5	6	6	6	6	7	6	5	6	6	9	11	10	9	9	9	

SIGMA THETA 1CC1201
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 SEP, 1980
 AERODIVISION INC.

 * FINAL DATA *
 * AS OF 31/MAY/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	17	15	14	15	26	29	12	23	21	32	27	26	21	24	29	26	38	21	9	6	21	27	33	38	23	38	
2	47	26	30	12	20	40	24	20	15	23	17	12	14	17	14	15	11	11	12	17	20	21	21	18	20	47	
3	18	18	11	14	9	27	30	33	18	12	14	20	23	21	18	12	11	11	11	9	12	20	15	26	18	33	
4	11	20	11	12	17	24	18	15	33	32	32	21	21	18	21	18	27	17	6	6	9	9	9	8	18	33	
5	11	12	20	23	24	17	12	21	20	27	26	23	17	20	21	15	14	12	12	12	9	9	15	27	17	27	
6	18	20	15	17	18	12	11	15	29	26	15	29	21	15	11	11	11	12	15	14	18	18	27	1031	18	29	
7	27	17	20	21	11	11	9	8	9	9	11	17	12	23	15	18	14	17	10	18	11	14	18	9	15	27	
8	8	12	17	14	14	14	11	8	9	9	9	11	14	15	27	23	17	14	21	12	9	12	11	8	13	27	
9	12	9	20	11	9	9	8	8	12	15	15	9	11	24	18	10	9	9	8	9	8	6	8	8	11	24	
10	8	8	9	9	11	9	11	17	14	18	12	11	12	14	21	30	26	12	18	24	8	23	21	9	15	30	
11	21	26	14	11	17	15	27	23	23	20	17	15	12	11	11	11	9	9	8	11	11	12	12	12	15	27	
12	20	21	14	12	12	12	27	24	15	12	18	20	23	24	30	24	35	15	12	12	12	17	18	17	19	35	
13	23	14	9	11	12	12	9	17	17	23	17	33	26	30	24	21	18	20	24	17	15	23	49	27	20	49	
14	53	27	33	29	21	29	32	17	17	26	29	32	18	21	20	15	12	11	12	14	21	23	27	14	23	53	
15	12	24	29	17	15	9	9	18	14	35	17	14	14	17	11	11	12	12	11	14	14	17	18	15	16	35	
16	15	12	14	14	14	11	11	9	14	9	8	6	8	8	8	8	6	6	6	6	6	6	6	20	11	10	20
17	18	29	1031	1031	21	14	18	12	15	12	12	12	11	11	12	14	12	11	9	9	11	33	50	36	17	50	
18	49	32	30	41	26	15	18	12	12	20	20	24	20	23	27	26	29	24	20	20	27	27	27	27	25	49	
19	18	20	20	20	20	20	20	23	23	17	12	11	9	9	11	9	12	14	20	11	14	18	12	11	16	23	
20	17	11	11	9	17	12	9	27	32	18	17	17	20	18	18	23	21	21	12	11	21	30	12	11	17	32	
21	11	12	29	15	17	14	9	14	17	12	12	11	12	12	12	11	14	20	12	11	11	11	11	14	14	29	
22	11	14	11	9	8	8	8	6	9	17	21	24	23	21	24	23	24	17	12	9	12	12	12	12	15	24	
23	15	14	30	24	18	12	20	17	9	8	15	23	15	18	20	21	23	17	12	15	11	11	9	9	16	30	
24	15	23	27	23	30	35	52	18	12	18	12	11	11	12	18	17	27	15	9	8	8	15	20	20	19	52	
25	12	11	11	11	17	11	14	8	9	11	14	17	20	18	14	17	15	15	11	9	8	12	26	30	14	30	
26	14	14	14	17	9	11	17	23	17	29	15	20	15	18	20	17	20	8	5	18	20	12	20	23	17	29	
27	44	33	14	12	9	11	30	20	20	15	14	20	17	17	20	15	20	18	6	8	18	24	40	40	20	44	
28	20	14	9	9	20	14	21	12	14	24	17	12	12	15	14	24	23	15	9	15	15	17	12	9	16	26	
29	17	17	23	11	21	18	14	12	20	12	18	12	15	18	21	23	17	12	12	14	11	8	12	15	16	23	
30	14	12	12	14	18	12	21	12	14	14	18	21	15	15	12	12	15	12	11	11	17	23	41	24	16	41	
AV	20	18	18	16	17	16	18	16	17	18	17	18	16	17	18	18	18	14	13	12	14	17	21	18	17	()	
SD	12	7	7	7	6	8	10	6	6	8	6	7	5	5	6	6	8	4	5	4	5	7	11	9	3	()	

SIGMA META (CC:20)

DEGREES

LEVEL HEIGHT ± 10 METERS

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE

OCT, 1980

AKKOVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAY/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	15	20	21	30	14	18	9	9	20	24	14	12	26	23	14	14	24	12	12	9	15	15	23	15	17	30
2	17	12	9	9	9	11	11	9	11	9	11	11	14	33	27	23	21	17	9	15	11	14	24	12	15	33
3	23	23	33	30	24	20	36	33	21	20	29	29	24	18	33	27	18	14	8	12	15	26	20	24	24	36
4	27	29	21	14	8	26	32	33	17	14	15	15	15	23	21	18	15	8	14	8	12	12	15	20	18	33
5	32	33	43	15	15	11	12	26	15	17	18	16	29	27	17	18	23	15	8	11	12	12	20	17	19	43
6	12	9	9	12	15	24	12	15	11	15	14	17	14	20	15	15	17	8	8	11	9	8	20	17	14	24
7	12	11	29	12	27	18	26	27	15	17	14	15	12	12	23	21	17	14	11	9	8	14	12	17	16	29
8	18	17	20	18	14	12	18	17	11	12	17	14	17	17	21	27	15	9	8	12	12	18	12	24	16	27
9	27	24	9	9	14	23	9	18	9	12	15	20	24	24	20	18	12	8	12	9	11	9	12	20	15	27
10	15	14	9	11	9	8	11	9	9	15	12	17	29	21	26	17	11	9	9	11	9	14	9	13	29	29
11	24	21	14	14	9	14	12	18	15	12	21	15	12	12	23	17	12	17	20	23	21	20	20	20	17	24
12	17	23	36	14	14	20	14	27	33	14	9	9	11	9	15	27	17	17	40	24	24	18	32	17	20	40
13	14	18	9	14	14	14	18	33	20	12	14	17	12	17	20	17	12	17	18	15	12	14	23	20	16	33
14	12	15	17	29	17	9	8	14	29	14	14	21	17	14	9	15	21	27	41	27	11	8	14	15	17	41
15	36	32	43	24	35	32	21	20	26	40	35	38	32	21	30	30	24	27	23	23	12	8	21	9	27	43
16	8	8	8	8	8	8	9	6	6	5	6	8	11	24	21	17	17	12	11	9	8	8	8	8	10	24
17	8	12	9	17	18	17	15	15	15	11	11	12	11	11	11	9	9	8	8	9	8	11	11	11	11	18
18	12	27	11	17	20	23	20	14	12	27	18	17	18	20	24	26	24	11	9	15	32	18	14	15	14	32
19	12	15	9	15	12	23	23	21	26	20	17	18	23	18	18	20	21	9	9	9	6	11	6	11	16	26
20	17	17	12	14	12	17	32	32	23	14	12	15	14	18	17	20	30	12	9	14	14	17	11	11	17	32
21	27	15	17	30	15	17	14	12	12	14	17	18	18	12	14	18	20	11	15	21	15	21	23	26	18	30
22	35	49	40	17	21	38	27	15	12	9	11	11	11	11	11	11	9	9	11	15	14	14	9	11	18	49
23	9	9	12	8	6	8	8	8	8	8	12	18	23	32	27	30	17	12	8	8	14	9	8	12	13	32
24	14	8	14	15	8	14	33	20	23	29	17	20	24	32	21	26	14	8	8	12	23	17	17	12	18	33
25	8	18	33	20	17	12	6	15	12	17	14	15	20	15	14	12	14	17	11	17	26	15	26	20	16	33
26	23	27	17	11	9	12	9	11	9	8	20	11	15	26	11	11	21	12	14	12	8	6	8	9	13	27
27	15	12	8	12	8	11	14	12	15	11	9	9	9	9	9	8	8	8	9	9	9	11	9	11	10	15
28	12	8	8	12	15	12	17	8	11	15	33	25	27	20	18	27	26	12	17	9	8	14	14	9	16	33
29	12	15	14	9	9	15	30	30	23	26	29	26	18	15	17	14	9	8	8	8	8	11	8	9	16	30
30	17	18	17	21	17	36	35	12	15	14	5	24	18	26	29	23	12	9	8	8	14	14	14	14	18	36
31	4	15	14	17	18	15	12	14	14	12	12	21	24	14	23	15	9	6	8	11	9	11	14	12	14	24
AV	17	19	18	16	14	17	18	18	17	15	14	17	18	20	19	19	18	12	13	13	13	13	16	15	16	11
SD	8	4	4	11	6	6	9	8	7	7	7	6	6	7	6	6	6	5	8	5	6	5	6	5	3	11

AEROVIMURMENT INC.

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	17	17	18	9	8	20	21	21	15	14	11	21	27	18	26	24	11	8	9	11	15	14	17	17	14	14
2	23	17	15	17	20	15	18	21	18	17	18	14	29	21	14	9	9	9	12	14	21	27	20	24	18	24
3	26	15	17	26	27	20	23	14	18	14	18	26	23	12	12	11	11	12	14	15	14	14	14	14	17	27
4	11	11	9	9	18	12	15	14	14	15	12	12	24	15	17	17	17	11	11	9	8	12	15	12	13	24
5	18	17	20	26	17	14	12	12	12	17	26	21	21	38	24	17	9	8	11	9	11	11	11	18	17	38
6	24	24	24	17	20	26	23	20	15	17	20	18	18	18	18	12	15	20	20	20	24	21	21	20	19	43
8	15	14	14	14	15	15	12	14	11	11	11	11	11	11	11	9	9	9	12	15	11	8	15	11	12	15
10	11	8	12	17	18	15	17	14	11	14	14	18	23	29	23	14	17	15	12	14	12	14	15	18	16	29
11	15	17	23	23	21	21	21	21	11	15	12	14	12	15	21	17	9	8	11	14	12	24	17	11	14	24
12	17	14	24	15	18	18	20	17	20	24	20	24	27	21	21	21	21	17	15	18	18	14	17	14	19	23
13	11	15	20	14	9	8	9	8	8	8	8	8	8	8	8	12	9	8	8	8	8	20	21	11	19	27
14	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	12	9	8	8	8	8	8	8	8	10	20
15	11	9	12	8	9	11	11	9	26	14	15	21	17	14	14	14	9	9	8	9	12	9	12	18	11	21
16	9	8	8	8	8	8	8	8	9	12	14	12	14	18	24	17	9	9	9	9	9	12	9	8	12	26
17	12	11	9	8	12	9	8	14	8	14	8	18	24	29	21	17	12	14	11	11	6	8	11	17	14	29
18	9	24	26	24	15	17	12	11	11	14	12	17	23	14	12	11	20	11	9	9	8	11	12	8	14	26
19	11	23	14	26	9	18	30	14	17	17	14	15	24	20	29	24	14	15	9	9	8	11	12	8	14	30
20	11	17	12	6	14	14	17	20	12	9	12	14	14	14	12	11	8	8	8	8	6	6	11	8	11	20
21	26	27	20	9	27	9	15	24	8	8	12	21	HRF	30	11	8	8	6	14	17	18	27	17	17	15	30
22	30	20	12	17	26	30	44	15	11	15	11	18	17	17	11	17	17	24	14	15	9	14	9	15	18	44
23	17	18	14	9	29	29	26	14	14	24	12	12	15	15	14	15	24	12	17	18	27	35	12	14	18	35
24	14	9	8	14	11	9	6	8	8	8	9	9	9	9	12	12	12	14	11	12	17	18	HRF	11	11	18
25	12	8	8	14	9	9	8	9	23	17	12	24	17	18	15	4	8	8	15	14	11	11	18	14	13	24
26	11	9	14	14	23	24	24	21	17	14	15	18	11	11	9	12	12	6	8	8	8	11	9	8	13	24
27	9	9	9	20	33	18	35	24	21	24	15	14	11	14	18	17	9	6	8	8	11	14	29	11	16	35
28	17	17	20	21	33	27	26	18	24	20	18	21	14	14	14	18	11	14	12	17	15	27	29	30	20	33
29	18	14	12	27	11	14	18	15	20	12	18	15	18	21	14	24	21	20	9	8	17	20	23	24	17	27
30	11	9	12	15	14	17	15	17	14	14	20	14	14	12	23	24	23	18	15	24	27	27	26	21	18	27
AV	15	14	15	14	17	17	19	16	15	15	15	17	18	17	17	15	13	12	12	13	14	16	16	15	15	11
SD	6	5	5	6	7	6	10	5	5	5	4	5	6	6	6	5	5	5	4	4	6	7	6	5	5	1

SIGMA THERMIST

DEGREES
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #159

HONANZA, UTAH
SITE 4

DEC, 1980

AERODYNAMIC INC.

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*
* FINAL DATA *
* AS OF 31/MAY/81 *
*
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CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	20	17	9	18	11	9	8	8	9	8	8	9	9	9	6	6	6	6	6	6	6	6	6	6	11	27
2	21	14	15	9	15	20	18	26	9	9	9	11	12	11	30	9	17	17	17	12	12	27	15	21	11	16
3	15	14	12	15	12	15	15	15	15	15	15	20	24	24	21	20	20	20	23	17	16	24	27	32	18	32
4	21	24	20	18	21	24	21	35	32	27	30	30	23	21	17	17	23	23	20	27	21	21	20	17	23	35
5	23	23	17	14	21	21	21	21	21	15	16	12	12	27	11	11	11	11	14	14	14	14	11	9	17	27
6	11	12	8	6	8	8	9	17	12	11	14	38	21	20	9	14	20	18	18	14	9	9	6	6	13	38
7	8	8	12	14	11	11	11	9	9	14	14	11	17	12	11	9	9	9	9	9	6	6	6	6	8	10
8	8	8	6	8	6	6	11	6	9	8	15	20	14	12	11	11	8	9	11	18	18	8	14	14	11	20
9	11	8	11	14	18	12	12	17	9	8	11	11	14	15	15	14	8	21	20	17	15	15	17	17	16	26
10	14	20	23	20	12	15	18	14	15	23	20	21	15	26	17	12	11	9	11	15	15	15	17	17	16	26
11	21	24	20	12	17	23	9	12	15	20	23	21	12	15	32	20	8	8	9	14	17	11	15	18	17	32
12	15	12	15	15	11	11	9	14	11	14	21	15	18	16	18	11	12	12	14	14	11	11	11	11	14	21
13	23	32	24	18	17	15	18	20	23	18	12	27	29	27	23	12	8	8	6	21	11	11	9	15	18	32
14	15	18	26	18	15	12	9	20	23	12	17	20	20	20	14	9	8	6	14	12	17	23	23	27	17	27
15	12	14	20	26	27	23	14	17	24	15	9	11	12	14	18	9	14	11	8	20	14	14	23	30	17	30
16	17	12	15	21	24	26	24	17	15	26	18	20	20	14	9	9	8	8	12	9	9	12	12	21	16	26
17	30	18	23	17	15	9	14	15	11	15	26	23	21	15	15	17	8	8	15	20	14	15	11	15	16	30
18	18	17	26	23	12	18	20	15	23	15	18	14	15	12	9	8	8	8	9	11	11	12	15	15	16	26
19	9	9	14	20	12	11	24	24	27	32	11	11	20	17	18	15	12	6	8	8	9	14	9	17	15	32
20	17	17	15	21	14	12	14	12	14	14	11	11	12	20	29	12	8	8	11	11	11	8	9	8	13	29
21	9	9	14	23	14	20	20	15	32	14	14	26	21	27	14	12	11	11	20	21	15	8	9	9	16	32
22	14	12	26	36	21	18	11	20	17	14	12	17	24	15	14	18	20	18	15	11	8	8	9	17	17	36
23	23	20	11	36	14	24	14	11	11	17	11	11	12	11	12	12	9	11	15	15	12	12	14	12	14	36
24	15	17	11	12	12	15	15	12	9	12	23	12	9	11	11	12	9	11	11	15	15	15	9	15	12	23
25	12	24	21	12	12	35	14	12	17	26	30	12	14	9	9	11	11	9	8	23	35	14	26	17	17	35
26	15	9	11	11	18	11	11	12	11	14	18	11	14	29	14	12	15	12	9	9	8	9	8	9	13	29
27	18	18	17	18	15	15	15	15	11	14	14	18	16	15	15	9	8	11	11	14	15	12	6	9	14	26
28	11	11	15	14	24	18	15	12	14	12	14	20	11	9	9	9	9	8	12	11	17	32	17	14	32	
29	12	12	12	14	14	18	14	17	12	9	18	21	17	14	27	20	9	6	15	15	11	17	20	24	15	27
30	17	18	21	43	14	18	14	17	15	20	21	20	17	16	12	11	8	6	9	12	11	12	26	17	17	43
31	11	17	15	12	18	38	24	27	20	15	14	23	21	15	18	23	9	8	9	15	8	8	11	9	16	38
AV	16	16	16	18	16	17	15	16	16	16	16	17	17	17	16	14	12	11	12	14	13	15	14	16	15	11
SD	5	6	5	8	5	7	5	6	6	7	6	7	5	6	6	5	5	4	4	5	4	4	7	7	2	1

SIGMA W (CC1211)
 METERS/SECOND
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #1199
 HONANZA, UTAH
 SITE 4
 JAN. 1960
 AEROVIRONMENT INC.

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 *
 * FINAL DATA *
 * AS OF 11/MAR/61 *
 *
 *.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-10	-09	-09	-09	-13	-10	-09	-12	-12	-17	-18	-20	-19	-15	-14	-10	-09	-09	-09	-09	-10	-11	-11	-09	-12	-20	
2	-09	-10	-09	-10	-11	-10	-09	-10	-12	-14	-14	-16	-18	-14	-14	-13	-12	-14	-14	-11	-11	-11	-12	-10	-12	-18	
3	-10	-12	-11	-13	-12	-12	-15	-10	-09	-10	-13	-14	-14	-15	-15	-13	-09	-09	-09	-09	-09	-10	-09	-10	-12	-15	
4	-09	-11	-10	-11	-10	-10	-11	-11	-13	-15	-13	-14	-14	-15	-14	-10	-09	-09	-09	-09	-09	-09	-10	-10	-11	-15	
5	-10	-10	-10	-10	-09	-09	-09	-10	-11	-13	-13	-14	-14	-15	-17	-18	-10	-10	-13	-13	-13	-14	-13	-13	-12	-18	
6	-40	-72	-71	-47	-20	-25	-39	-19	-30	-52	-65	-63	-63	-46	-27	-20	-12	-10	-09	-13	-10	-10	-10	-09	-33	-72	
7	-11	-09	-09	-09	-10	-13	-15	-11	-13	-21	-36	-44	-55	-49	-26	-11	-13	-10	-14	-18	-16	-10	-10	-14	-55	-84	
8	-10	-09	-17	-22	-23	-23	-13	-10	-17	(MT)	-20	-20	-18	-12	-15	-18	-55	-67	-70	-80	-80	-80	-80	-80	-80	-84	
9	-82	-75	-64	-62	-52	-41	-46	-64	-64	-79	-84	-84	-83	-81	-78	-80	-68	-53	-56	-68	-79	-71	-54	-65	-68	-84	
10	-79	-87	-89	-87	-82	-81	-77	-77	-90	-91	-88	-88	-86	-86	-77	-70	-66	-60	-67	-64	-71	-54	-23	-21	-73	-91	
11	-15	-21	-45	-49	-59	-38	-32	-14	-14	-14	-17	-19	-20	-18	-12	-11	-10	-14	-10	-10	-09	-13	-10	-11	-21	-59	
12	-13	-14	-11	-10	-11	-15	-20	-18	-13	-15	-16	-23	-13	-13	-13	-14	-10	-10	-10	-10	-11	-10	-12	-18	-14	-23	
13	-33	-15	-15	-12	-12	-15	-14	-38	-19	-14	-12	-19	-14	-14	-13	-51	-66	-69	-64	-67	-66	-70	-75	-68	-36	-75	
14	-69	-77	-79	-79	-80	-73	-75	-75	-68	-45	-53	-61	-57	-44	-16	-10	-13	-14	-10	-17	-11	-10	-11	-10	-46	-80	
15	-09	-12	-10	-10	-14	-17	-21	-13	-09	-10	-10	-14	-17	-18	-18	-15	-11	-13	-09	-09	-17	-12	-11	-09	-13	-21	
16	-09	-09	-09	-09	-09	-09	-12	-14	-11	-09	-09	-10	-09	-12	-19	-24	-22	-15	-13	-11	-10	-10	-09	-09	-12	-24	
17	-10	-11	-09	-09	-09	-09	-09	-09	-09	-09	-10	-20	-25	-22	-15	-11	-11	-10	-10	-09	-10	-09	-09	-09	-11	-25	
18	-15	-09	-14	-09	-09	-09	-09	-09	-09	-09	-09	-11	-10	-12	-15	-14	-13	-10	-09	-16	-45	-47	-47	-42	-17	-47	
19	-29	-35	-41	-44	-46	-52	-48	-40	-39	-33	-43	-38	-34	-30	-27	-24	-16	-11	-13	-15	-25	-28	-19	-14	-31	-52	
20	-15	-18	-19	-12	-17	-29	-23	-21	-24	-19	-24	-26	-26	-25	-22	-23	-23	-18	-12	-10	-11	-09	-09	-09	-19	-29	
21	-10	-09	-11	-10	-15	-10	-09	-09	-11	-15	-18	-15	-18	-21	-24	-22	-18	-24	-17	-18	-20	-21	-20	-16	-24	-24	
22	-14	-13	-11	-14	-13	-13	-14	-17	-18	-18	-18	-28	-28	-28	-27	-22	-17	-18	-09	-15	-17	-19	-13	-18	-28	-28	
23	-20	-18	-10	-15	-09	-13	-14	-10	-09	-11	-20	-23	-31	-26	-22	-21	-16	-13	-19	-12	-13	-24	-20	-16	-17	-31	
24	-15	-15	-12	-13	-12	-12	-13	-12	-12	-15	-14	-17	-21	-16	-16	-14	-12	-14	-11	-12	-12	-12	-10	-13	-14	-21	
25	-12	-12	-10	-11	-12	-18	-15	-14	-15	-16	-16	-16	-15	-13	-16	-15	-16	-10	-09	-14	-10	-09	-14	-14	-22	-22	
26	-12	-09	-10	-11	-12	-09	-10	-09	-10	-20	-25	-28	-35	-34	-22	-25	-22	-18	-14	-10	-09	-17	-09	-17	-35	-35	
27	-09	-13	-12	-14	-12	-09	-09	-12	-17	-12	-16	-18	-22	-21	-22	-14	-11	-10	-12	-09	-17	-19	-12	-19	-14	-22	
28	-15	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-15	-15
29	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-13	-33
30	-16	-11	-10	-14	-15	-11	-11	-14	-14	-14	-17	-18	-16	-20	-11	-09	-09	-09	-11	-10	-09	-09	-09	-09	-12	-20	
31	-09	-09	-09	-09	-09	-09	-09	-09	-09	-09	-12	-17	-14	-16	-15	-12	-09	-09	-09	-10	-12	-11	-15	-10	-11	-17	-17
AV	-20	-21	-21	-21	-20	-20	-20	-19	-20	-23	-25	-26	-26	-24	-22	-20	-19	-19	-19	-19	-22	-22	-20	-20	-21	-21	-1
90	-20	-23	-23	-21	-20	-18	-18	-19	-20	-21	-20	-20	-18	-16	-16	-16	-16	-16	-16	-19	-21	-20	-14	-19	-16	-1	

SIGMA W (CC1211

METERS/SECOND
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONARZA, UTAH

SITE 4

FEB, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAA	
1	.09	.15	.16	.10	.09	.09	.11	.11	.11	.10	.12	.14	.21	.21	.19	.21	.18	.14	.16	.10	.14	.09	.18	.10	.14	.21	
2	.10	.18	.09	.09	.09	.09	.09	.09	.09	.09	.16	.15	.21	.17	.15	.14	.14	.09	.11	.10	.15	.12	.12	.09	.12	.21	
3	.10	.11	.10	.15	.12	.13	.09	.09	.09	.09	.16	.14	.18	.15	.16	.14	.17	.09	.09	.15	.13	.11	.10	.09	.12	.18	
4	.09	.24	.15	.12	.11	.10	.09	.09	.09	.09	.10	.09	.16	.19	.18	.19	.13	.10	.10	.09	.10	.09	.14	.16	.13	.24	
5	.12	.11	.20	.14	.12	.09	.09	.09	.09	.09	.13	.15	.17	.20	.18	.16	.16	.10	.09	.11	.10	.10	.13	.12	.13	.20	
6	.10	.10	.09	.09	.10	.09	.09	.09	.09	.09	.13	.17	.15	.15	.14	.17	.16	.09	.11	.10	.09	.10	.09	.10	.11	.17	
7	.13	.10	.09	.09	.12	.09	.09	.09	.09	.09	.12	.16	.15	.20	.35	.39	.39	.39	.39	.32	.22	.20	.21	.21	.19	.19	
8	.20	.23	.15	.21	.20	.17	.11	.26	.33	.15	.14	.21	.22	.22	.23	.23	.20	.11	.09	.11	.19	.18	.27	.34	.20	.34	
9	.27	.28	.20	.18	.20	.18	.21	.27	.16	.14	.20	.24	.25	.25	.22	.26	.23	.21	.20	.12	.09	.09	.09	.09	.09	.18	.28
10	.09	.09	.10	.09	.09	.09	.09	.09	.09	.09	.15	.18	.22	.22	.26	.23	.15	.09	.09	.10	.09	.09	.09	.09	.09	.12	.26
11	.09	.09	.09	.09	.09	.09	.09	.09	.09	.12	.16	.23	.22	.20	.21	.20	.17	.10	.09	.09	.09	.09	.09	.09	.09	.12	.23
12	.09	.09	.13	.09	.12	.10	.12	.10	.10	.10	.12	.17	.19	.20	.20	.20	.17	.10	.10	.11	.09	.09	.09	.09	.09	.12	.20
13	.09	.10	.10	.09	.09	.09	.11	.10	.10	.10	.14	.19	.21	.20	.20	.15	.12	.09	.09	.09	.09	.11	.09	.10	.12	.21	
14	.11	.11	.11	.09	.09	.11	.14	.12	.15	.13	.15	.18	.20	.21	.16	.15	.11	.16	.11	.16	.11	.10	.16	.09	.13	.21	
15	.10	.15	.10	.11	.10	.09	.09	.09	.11	.14	.15	.17	.19	.17	.15	.15	.17	.16	.12	.12	.12	.13	.09	.12	.13	.19	
16	.12	.14	.14	.14	.09	.10	.13	.16	.14	.15	.13	.15	.17	.18	.21	.17	.15	.12	.10	.11	.10	.10	.10	.10	.13	.21	
17	.09	.09	.10	.09	.10	.10	.10	.10	.10	.12	.12	.15	.21	.23	.20	.20	.14	.12	.12	.09	.09	.16	.21	.16	.13	.23	
18	.54	.74	.57	.50	.33	.28	.22	.14	.13	.52	.78	.69	.51	.29	.38	.23	.24	.37	.29	.67	.46	.49	.58	.46	.44	.78	
19	.46	.69	.54	.61	.45	.54	.72	.53	.27	.20	.30	.68	.65	.67	.73	.76	.51	.50	.36	.22	.20	.21	.21	.15	.46	.76	
20	.12	.10	.37	.64	.62	.65	.53	.44	.54	.75	.77	.56	.45	.49	.61	.44	.35	.21	.12	.27	.52	.51	.57	.55	.47	.77	
21	.54	.24	.15	.33	.19	.20	.59	.69	.65	.77	.70	.61	.49	.66	.67	.67	.52	.28	.18	.17	.18	.24	.22	.18	.42	.77	
22	.16	.19	.16	.19	.22	.12	.09	.09	.10	.27	.37	.42	.46	.38	.40	.35	.34	.19	.11	.16	.19	.17	.36	.14	.24	.46	
23	.15	.24	.12	.34	.58	.30	.10	.09	.09	.27	.31	.50	.45	.43	.42	.24	.22	.21	.19	.19	.27	.54	.63	.44	.30	.63	
24	.40	.32	.22	.15	.19	.31	.15	.10	.09	.18	.25	.25	.30	.29	.39	.27	.27	.14	.09	.09	.10	.17	.16	.10	.21	.40	
25	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09	.08	.17	.27	.27	.26	.30	.29	.27	.21	.14	.09	.13	.09	.09	.14	.30	
26	.09	.10	.11	.09	.09	.09	.09	.09	.09	.16	.24	.24	.28	.30	.33	.29	.29	.16	.10	.09	.09	.09	.09	.09	.15	.30	
27	.09	.09	.12	.17	.11	.09	.12	.10	.14	.15	.23	.24	.27	.28	.28	.26	.22	.15	.14	.12	.10	.09	.09	.09	.16	.28	
28	.09	.11	.12	.17	.19	.12	.16	.15	.21	.21	.26	.29	.33	.28	.28	.26	.21	.20	.16	.10	.26	.45	.30	.24	.44	.45	
29	.44	.32	.22	.14	.16	.14	.17	.28	.24	.23	.40	.34	.27	.25	.25	.30	.34	.34	.28	.19	.21	.29	.27	.19	.24	.48	
AV	.18	.19	.17	.19	.18	.16	.17	.17	.16	.20	.24	.28	.28	.27	.28	.26	.23	.18	.18	.16	.17	.18	.20	.18	.20	.11	
SD	.15	.16	.12	.15	.14	.13	.16	.15	.14	.14	.19	.17	.13	.13	.15	.14	.11	.10	.08	.11	.12	.13	.15	.13	.11	.11	

SIGMA W [CC1211]
 METERS/SECOND
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 4
 MAR. 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.20	.25	.28	.25	.20	.23	.23	.15	.17	.25	.33	.34	.34	.29	.33	.28	.15	.09	.09	.09	.09	.10	.16	.23	.02	.34	
2	.17	.17	.21	.13	.13	.14	.10	.10	.11	.12	.16	.16	.32	.33	.33	.27	.21	.38	.14	.22	.13	.11	.09	.09	.18	.38	
3	.10	.10	.09	.13	.13	.13	.11	.14	.13	.15	.25	.64	.75	.79	.80	.78	.63	.30	.29	.26	.64	.71	.67	.69	.34	.80	
4	.75	.55	.45	.59	.37	.21	.19	.21	.23	.10	.18	.29	.42	.45	.45	.45	.56	.49	.83	.32	.39	.31	.27	.81	.75		
5	.39	.55	.65	.57	.60	.72	.77	.72	.54	.49	.61	.75	.70	.75	.83	.73	.69	.73	.71	.69	.75	.78	.68	.45	.66	.83	
6	.56	.34	.38	.51	.52	.51	.40	.63	.47	.24	.18	.21	.17	.13	.18	.16	.21	.35	.16	.12	.10	.09	.09	.09	.28	.63	
7	.09	.09	.09	.09	.09	.09	.09	.09	.09	.22	.35	.43	.38	.35	.27	.33	.47	.34	.17	.16	.13	.11	.20	.35	.21	.47	
8	.35	.32	.26	.16	.09	.09	.10	.23	.26	.35	.44	.46	.47	.47	.53	.46	.34	.33	.34	.27	.30	.38	.44	.32	.53	.54	
9	.40	.34	.26	.18	.21	.25	.28	.53	.40	.34	.42	.44	.44	.51	.47	.48	.47	.43	.25	.26	.46	.50	.59	.39	.54	.54	
10	.55	.63	.53	.57	.46	.41	.56	.41	.28	.19	.24	.27	.32	.35	.32	.29	.24	.21	.39	.40	.29	.20	.31	.58	.37	.63	
11	.49	.25	.13	.14	.12	.11	.10	.10	.11	.18	.25	.21	.30	.24	.46	.68	.51	.54	.60	.66	.79	.64	.59	.35	.79	.79	
12	.61	.52	.57	.72	.73	.75	.72	.72	.66	.54	.65	.68	.62	.60	.56	.54	.48	.44	.36	.24	.16	.12	.17	.21	.52	.75	
13	.37	.35	.17	.18	.19	.18	.10	.11	.20	.30	.35	.35	.40	.37	.34	.33	.22	.41	.66	.75	.72	.76	.75	.37	.76	.76	
14	.35	.13	.10	.12	.36	.18	.27	.15	.17	.33	.48	.46	.26	.24	.36	.70	.73	.73	.61	.69	.59	.46	.39	.58	.39	.73	
15	.78	.79	.78	.82	.78	.67	.60	.70	.30	.18	.54	.68	.54	.55	.71	.73	.64	.64	.46	.27	.13	.15	.58	.58	.51	.82	
16	.47	.42	.62	.61	.42	.46	.21	.20	.26	.47	.66	.55	.64	.62	.60	.62	.67	.67	.43	.19	.14	.11	.14	.14	.43	.67	
17	.14	.41	.17	.15	.25	.34	.50	.22	.18	.27	.41	.48	.59	.58	.54	.51	.52	.56	.53	.67	.67	.58	.52	.48	.43	.67	
18	.27	.21	.27	.50	.45	.15	.14	.11	.17	.28	.32	.34	.36	.38	.37	.42	.34	.24	.13	.09	.09	.12	.19	.21	.24	.50	
19	.14	.10	.12	.11	.13	.16	.26	.32	.25	.37	.40	.44	.52	.48	.50	.49	.44	.46	.47	.46	.18	.22	.14	.12	.30	.52	
20	.11	.17	.34	.25	.26	.21	.18	.21	.22	.34	.39	.42	.44	.46	.46	.43	.52	.58	.59	.60	.59	.55	.55	.40	.39	.60	
21	.46	.60	.38	.53	.38	.34	.35	.27	.59	.81	.85	.85	.85	.82	.83	.79	.66	.57	.39	.23	.14	.26	.64	.52	.55	.85	
22	.55	.46	.24	.14	.14	.13	.16	.16	.17	.20	.28	.38	.51	.50	.45	.48	.54	.35	.34	.24	.15	.18	.17	.18	.30	.55	
23	.33	.23	.33	.25	.12	.11	.12	.17	.20	.37	.39	.41	.44	.46	.45	.39	.35	.24	.14	.24	.30	.22	.20	.12	.27	.46	
24	.15	.20	.28	.21	.12	.15	.15	.11	.20	.31	.34	.68	.71	.74	.67	.73	.63	.67	.46	.43	.27	.10	.10	.09	.35	.74	
25	.16	.09	.09	.09	.09	.10	.09	.13	.12	.10	.09	.09	.09	.09	.09	.09	.09	.09	.09	.10	.10	.09	.09	.09	.10	.16	
26	.09	.09	.09	.09	.10	.10	.10	.09	.09	.10	.10	.24	.28	.33	.34	.36	.36	.38	.47	.49	.69	.73	.65	.48	.29	.73	
27	.54	.61	.54	.27	.18	.16	.10	.27	.25	.24	.34	.38	.42	.42	.42	.49	.48	.48	.31	.24	.33	.29	.18	.18	.23	.61	
28	.14	.13	.14	.15	.13	.13	.17	.16	.18	.17	.47	.57	.60	.65	.64	.61	.61	.50	.34	.26	.24	.19	.15	.14	.31	.65	
29	.16	.15	.13	.12	.11	.12	.18	.16	.24	.30	.35	.32	.40	.44	.41	.45	.31	.23	.17	.30	.61	.56	.38	.24	.28	.61	
30	.47	.34	.35	.52	.39	.46	.17	.24	.21	.18	.27	.66	.76	.67	.54	.61	.40	.31	.32	.30	.34	.21	.15	.15	.39	.76	
31	.20	.33	.35	.35	.23	.24	.23	.21	.21	.31	.30	.35	.38	.43	.38	.43	.29	.21	.20	.19	.12	.18	.34	.50	.29	.50	
AV	.34	.32	.31	.31	.28	.26	.25	.25	.28	.36	.44	.46	.47	.46	.48	.46	.42	.35	.34	.34	.33	.34	.35	.35	.35	.11	
SD	.20	.19	.19	.21	.19	.19	.19	.19	.14	.15	.17	.18	.18	.18	.18	.17	.16	.17	.16	.18	.23	.24	.21	.20	.20	.11	.11

SIGMA # ICC1211

METERS/SECOND
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139
HONANZA, UTAH
SITE # 4

APR, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	YEAR		
1	.58	.57	.58	.38	.23	.18	.12	.16	.27	.35	.35	.35	.37	.33	.37	.32	.30	.23	.16	.14	.28	.38	.28	.16	.32	.58		
2	.33	.35	.17	.18	.21	.17	.23	.22	.22	.25	.31	.33	.28	.23	.28	.26	.29	.20	.20	.17	.12	.13	.11	.11	.11	.22	.35	
3	.09	.19	.48	.44	.16	.16	.21	.17	.17	.22	.28	.31	.28	.31	.34	.30	.20	.23	.26	.14	.17	.31	.39	.38	.26	.48	.48	
4	.17	.11	.09	.10	.11	.09	.10	.22	.16	.21	.22	.30	.35	.27	.34	.41	.38	.31	.33	.51	.52	.35	.30	.27	.26	.52	.52	
5	.17	.17	.18	.18	.10	.10	.09	.10	.14	.28	.35	.55	.57	.68	.68	.63	.51	.31	.39	.32	.18	.17	.33	.27	.31	.68	.68	
6	.37	.47	.50	.52	.45	.50	.55	.40	.29	.30	.41	.60	.63	.62	.65	.73	.76	.72	.53	.28	.13	.34	.30	.32	.47	.76	.76	
7	.27	.61	.41	.33	.30	.51	.54	.71	.56	.63	.70	.77	.78	.70	.67	.74	.70	.67	.62	.55	.46	.32	.13	.20	.58	.78	.78	
8	.40	.41	.45	.37	.21	.23	.19	.16	.23	.34	.38	.37	.40	.47	.44	.43	.35	.28	.13	.09	.45	.49	.56	.41	.38	.56	.56	
9	.18	.21	.18	.12	.11	.14	.15	.17	.26	.30	.36	.28	.27	.36	.42	.35	.51	.54	.49	.54	.64	.45	.46	.27	.32	.66	.66	
10	.17	.15	.36	.31	.41	.38	.54	.63	.62	.49	.50	.63	.70	.74	.75	.73	.71	.70	.67	.57	.38	.26	.36	.19	.50	.75	.75	
11	.15	.15	.18	.15	.14	.13	.22	.20	.20	.28	.40	.44	.62	.64	.67	.62	.61	.55	.59	.48	.48	.36	.31	.37	.27	.36	.67	.67
12	.21	.23	.16	.12	.15	.13	.13	.14	.33	.43	.47	.47	.45	.48	.48	.49	.50	.50	.59	.47	.47	.36	.35	.33	.35	.59	.59	
13	.20	.17	.11	.11	.11	.12	.12	.18	.26	.37	.48	.36	.43	.43	.44	.43	.35	.21	.13	.09	.26	.40	.43	.31	.27	.48	.48	
14	.32	.19	.17	.18	.12	.12	.14	.24	.32	.38	.42	.41	.47	.49	.40	.42	.40	.29	.14	.13	.35	.62	.31	.29	.31	.62	.62	
15	.57	.44	.23	.32	.15	.13	.17	.24	.23	.28	.37	.42	.54	.48	.58	.58	.54	.64	.68	.58	.60	.60	.25	.21	.41	.68	.68	
16	.18	.16	.24	.21	.21	.16	.24	.23	.32	.36	.41	.42	.47	.46	.49	.40	.35	.46	.21	.22	.31	.47	.52	.49	.33	.52	.52	
17	.30	.20	.13	.12	.12	.10	.12	.21	.30	.35	.39	.40	.41	.43	.39	.43	.35	.23	.11	.11	.14	.23	.51	.35	.27	.51	.51	
18	.24	.13	.18	.13	.18	.25	.22	.20	.25	.32	.35	.39	.40	.42	.48	.49	.52	.46	.40	.46	.55	.33	.32	.38	.38	.55	.55	
19	.28	.15	.16	.11	.18	.12	.18	.21	.27	.30	.35	.36	.41	.49	.46	.43	.46	.56	.39	.36	.42	.29	.39	.56	.33	.56	.56	
20	.45	.16	.16	.15	.18	.11	.11	.21	.27	.33	.37	.35	.61	.75	.67	.66	.63	.62	.43	.46	.42	.53	.68	.67	.41	.75	.75	
21	.79	.76	.76	.70	.73	.60	.61	.58	.73	.82	.75	.58	.53	.39	.55	.42	.21	.31	.72	.57	.22	.11	.13	.13	.53	.82	.82	
22	.12	.11	.13	.12	.15	.12	.15	.21	.23	.26	.37	.29	.38	.45	.48	.48	.48	.53	.56	.28	.25	.29	.31	.27	.29	.56	.56	
23	.20	.36	.44	.57	.53	.51	.47	.22	.27	.34	.42	.43	.71	.61	.51	.49	.50	.30	.14	.12	.22	.40	.47	.40	.40	.71	.71	
24	.42	.21	.12	.14	.11	.13	.18	.16	.22	.25	.32	.42	.39	.31	.27	.22	.32	.48	.36	.21	.25	.17	.22	.25	.26	.40	.40	
25	.28	.27	.24	.18	.20	.19	.33	.28	.40	.45	.40	.46	.47	.47	.46	.44	.43	.45	.36	.25	.22	.20	.18	.21	.31	.47	.47	
26	.17	.18	.11	.20	.27	.35	.24	.32	.38	.39	.41	.42	.45	.45	.43	.41	.32	.26	.18	.15	.18	.38	.31	.27	.31	.47	.47	
27	.26	.42	.37	.22	.13	.17	.25	.29	.38	.39	.44	.44	.48	.49	.47	.43	.37	.26	.18	.14	.14	.38	.31	.27	.31	.47	.47	
28	.49	.52	.21	.23	.27	.14	.22	.28	.38	.39	.24	.40	.46	.54	.66	.64	.48	.35	.16	.22	.22	.54	.62	.43	.28	.37	.66	.66
29	.29	.18	.10	.10	.09	.13	.10	.09	.10	.18	.33	.58	.59	.72	.65	.68	.80	.50	.42	.29	.24	.17	.30	.28	.33	.40	.40	
30	.24	.20	.12	.10	.10	.10	.10	.14	.19	.19	.32	.36	.39	.33	.37	.26	.21	.29	.21	.44	.45	.23	.34	.42	.25	.45	.45	
AV	.30	.28	.26	.24	.21	.22	.23	.25	.29	.35	.40	.43	.47	.48	.49	.48	.45	.42	.36	.31	.34	.35	.35	.31	.34	.34	.34	
90	.15	.17	.17	.15	.14	.15	.15	.14	.13	.13	.11	.11	.13	.14	.13	.14	.16	.16	.19	.17	.15	.14	.13	.12	.12	.12	.12	

AUGUST (29 JAN 81)

STGMA W (CC121)

METERS/SECOND

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BOMANZA, UTAH
 SITE 4
 MAY, 1980
 AEROSURVEILLANCE INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.37	.20	.14	.16	.31	.17	.10	.14	.23	.28	.34	.38	.42	.47	.45	.34	.38	.29	.22	.14	.28	.57	.43	.10	.57	
2	.25	.23	.25	.27	.34	.24	.16	.18	.33	.34	.43	.74	.70	.59	.65	.76	.62	.38	.18	.17	.43	.44	.45	.40	.76	
3	.35	.53	.31	.23	.24	.18	.16	.14	.20	.36	.43	.45	.46	.38	.47	.46	.39	.46	.44	.55	.32	.21	.23	.15	.55	
4	.16	.43	.34	.15	.12	.10	.11	.14	.21	.28	.41	.47	.48	.48	.48	.48	.44	.43	.39	.46	.57	.43	.25	.64	.64	
5	.70	.31	.12	.10	.11	.10	.10	.13	.20	.24	.33	.26	.29	.36	.46	.34	.31	.34	.45	.27	.39	.32	.47	.29	.70	
6	.26	.10	.15	.20	.15	.10	.10	.14	.20	.27	.30	.43	.36	.48	.51	.55	.69	.49	.42	.36	.34	.20	.41	.53	.69	
7	.42	.25	.21	.42	.39	.21	.14	.13	.16	.28	.35	.75	.69	.67	.50	.39	.32	.35	.66	.27	.15	.14	.19	.14	.75	
8	.40	.47	.37	.29	.30	.20	.11	.32	.32	.34	.34	.34	.33	.24	.23	.29	.39	.44	.65	.76	.77	.66	.74	.57	.41	.77
9	.37	.29	.58	.25	.25	.17	.10	.12	.54	.79	.78	.68	.78	.84	.67	.41	.24	.18	.20	.15	.14	.14	.14	.11	.40	.44
10	.11	.11	.21	.55	.43	.21	.14	.11	.35	.85	.81	.84	.83	.82	.85	.87	.87	.79	.61	.42	.27	.17	.14	.24	.49	.87
11	.20	.15	.14	.14	.19	.29	.27	.28	.30	.34	.29	.32	.36	.58	.70	.46	.36	.22	.22	.22	.33	.63	.46	.25	.32	.70
12	.45	.59	.76	.77	.52	.35	.51	.61	.69	.64	.62	.67	.63	.60	.58	.54	.45	.34	.25	.17	.37	.31	.21	.32	.50	.77
13	.18	.13	.11	.12	.15	.14	.15	.36	.30	.29	.42	.37	.32	.37	.42	.41	.79	.62	.39	.39	.47	.61	.65	.47	.16	.79
14	.34	.16	.16	.15	.13	.11	.12	.16	.26	.29	.35	.30	.33	.39	.42	.41	.30	.25	.21	.57	.56	.57	.36	.28	.31	.57
15	.14	.10	.11	.32	.47	.31	.18	.14	.25	.32	.34	.36	.38	.39	.42	.41	.30	.25	.21	.57	.34	.46	.28	.22	.31	.57
16	.34	.35	.23	.18	.17	.22	.25	.24	.33	.41	.42	.43	.61	.53	.37	.28	.29	.48	.39	.50	.30	.24	.39	.39	.15	.61
17	.30	.38	.40	.41	.48	.53	.44	.44	.43	.33	.30	.35	.34	.35	.39	.28	.24	.17	.14	.10	.14	.16	.11	.13	.31	.53
18	.15	.20	.26	.25	.24	.20	.14	.17	.24	.32	.41	.41	.41	.44	.35	.39	.34	.31	.24	.12	.10	.14	.23	.34	.27	.44
19	.18	.22	.19	.22	.17	.15	.20	.26	.27	.32	.36	.39	.44	.46	.43	.38	.35	.26	.18	.15	.22	.38	.54	.41	.10	.54
20	.39	.23	.23	.17	.13	.18	.15	.20	.28	.33	.38	.48	.38	.39	.37	.44	.33	.26	.18	.11	.14	.36	.55	.61	.30	.61
21	.47	.36	.15	.12	.15	.14	.15	.21	.25	.31	.37	.39	.44	.47	.41	.35	.34	.27	.17	.15	.21	.45	.66	.66	.12	.64
22	.70	.72	.32	.15	.16	.15	.15	.21	.23	.25	.24	.35	.51	.66	.68	.70	.76	.77	.68	.69	.61	.50	.51	.57	.47	.77
23	.62	.43	.55	.57	.64	.74	.77	.84	.82	.83	.81	.80	.82	.78	.74	.75	.72	.79	.81	.58	.37	.45	.71	.68	.68	.84
24	.75	.74	.74	.81	.76	.71	.74	.88	.87	.88	.88	.88	.83	.76	.77	.75	.76	.71	.80	.84	.78	.40	.59	.51	.77	.88
25	.40	.41	.66	.66	.60	.64	.75	.66	.73	.65	.72	.77	.74	.79	.80	.64	.49	.36	.29	.29	.23	.40	.27	.29	.55	.80
26	.25	.21	.24	.26	.52	.36	.54	.37	.35	.42	.50	.64	.69	.68	.64	.72	.70	.70	.57	.27	.18	.17	.24	.37	.84	.72
27	.26	.27	.34	.49	.35	.39	.51	.44	.80	.79	.81	.79	.83	.80	.76	.78	.81	.71	.67	.54	.42	.37	.48	.30	.54	.83
28	.35	.49	.25	.20	.26	.28	.26	.57	.83	.79	.80	.78	.73	.77	.76	.79	.74	.77	.69	.45	.42	.53	.37	.43	.54	.83
29	.48	.41	.26	.24	.24	.34	.47	.42	.38	.42	.51	.52	.53	.55	.51	.47	.41	.46	.34	.24	.33	.34	.19	.23	.19	.55
30	.24	.22	.27	.38	.32	.19	.17	.27	.33	.41	.40	.45	.47	.44	.41	.44	.66	.64	.71	.61	.41	.38	.26	.26	.41	.71
31	.18	.17	.21	.30	.52	.50	.34	.54	.43	.44	.45	.51	.49	.47	.47	.50	.55	.55	.55	.38	.28	.17	.33	.21	.19	.55
AV	.35	.32	.30	.31	.32	.28	.27	.32	.39	.45	.48	.52	.53	.54	.53	.53	.51	.47	.43	.37	.34	.37	.38	.38	.40	.1
SD	.17	.17	.18	.19	.17	.17	.21	.21	.21	.21	.19	.19	.18	.17	.17	.17	.19	.19	.20	.20	.18	.17	.18	.16	.16	.1

ADULT (29 JAN 81)

SIGMA W (CCIP1)

METERS/SECOND
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE

JUN. 1960

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK
1	.16	.18	.20	.24	.34	.34	.46	.28	.36	.46	.50	.42	.52	.56	.74	.66	.38	.34	.60	.62	.42	.22	.20	.20	.90
2	.40	.50	.32	.20	.20	.20	.36	.78	.82	.78	.76	.78	.74	.78	.78	.80	.82	.80	.82	.80	.66	.44	.42	.62	.58
3	.40	.50	.50	.56	.52	.66	.52	.56	.62	.80	.84	.84	.82	.82	.82	.84	.82	.78	.74	.54	.46	.48	.66	.48	.66
4	.46	.60	.74	.76	.68	.68	.60	.64	.80	.84	.82	.82	.82	.80	.80	.78	.78	.76	.78	.88	.66	.72	.70	.54	.72
5	.42	.42	.24	.24	.26	.26	.36	.30	.36	.42	.74	.76	.76	.76	.74	.76	.78	.80	.80	.74	.66	.70	.66	.66	.60
6	.42	.42	.36	.56	.70	.76	.70	.56	.64	.76	.74	.76	.74	.74	.74	.78	.78	.66	.64	.54	.40	.36	.20	.18	.58
7	.22	.34	.34	.28	.22	.22	.28	.34	.34	.40	.46	.48	.44	.52	.48	.42	.44	.34	.30	.20	.16	.26	.40	.40	.34
8	.34	.24	.20	.18	.18	.16	.20	.20	.32	.34	.40	.40	.48	.48	.46	.46	.44	.44	.34	.28	.16	.28	.24	.24	.30
9	.14	.12	.12	.18	.22	.22	.22	.28	.34	.34	.42	.42	.46	.48	.46	.46	.44	.34	.28	.26	.20	.30	.46	.64	.32
10	.90	.44	.20	.20	.30	.20	.22	.20	.34	.34	.40	.46	.64	.70	.72	.68	.64	.68	.62	.52	.62	.70	.74	.74	.50
11	.74	.66	.60	.62	.54	.68	.72	.78	.76	.76	.76	.78	.26	.22	.14	.20	.34	.68	.74	.80	.82	.78	.82	.72	.60
12	.70	.68	.68	.68	.56	.68	.68	.68	.70	.74	.66	.62	.60	.68	.64	.66	.54	.66	.72	.70	.76	.80	.74	.80	.68
13	.78	.80	.74	.66	.66	.66	.34	.24	.24	.56	.74	.78	.80	.78	.80	.80	.76	.76	.70	.62	.62	.74	.74	.68	.68
14	.64	.66	.66	.42	.50	.66	.66	.54	.74	.76	.74	.76	.74	.70	.74	.74	.74	.74	.68	.56	.64	.56	.46	.36	.64
15	.20	.20	.16	.18	.22	.26	.28	.34	.44	.42	.44	.50	.54	.52	.56	.56	.56	.44	.44	.36	.20	.24	.22	.14	.36
16	.18	.34	.22	.14	.16	.16	.20	.24	.30	.40	.42	.46	.48	.52	.50	.48	.38	.34	.20	.14	.16	.34	.46	.46	.32
17	.36	.24	.16	.16	.18	.22	.20	.24	.36	.40	.44	.42	.44	.52	.48	.40	.34	.24	.20	.14	.16	.20	.22	.30	.24
18	.50	.30	.24	.14	.14	.18	.18	.20	.26	.34	.40	.46	.44	.46	.52	.56	.52	.44	.36	.34	.26	.24	.24	.26	.40
19	.16	.14	.14	.14	.34	.56	.60	.44	.34	.40	.36	.46	.52	.80	.86	.76	.52	.34	.24	.22	.26	.24	.24	.26	.40
20	.24	.24	.24	.24	.18	.18	.24	.26	.32	.38	.40	.42	.40	.52	.68	.58	.60	.52	.56	.66	.70	.76	.74	.68	.48
21	.42	.46	.40	.26	.24	.20	.24	.24	.32	.36	.48	.58	.68	.70	.72	.60	.58	.54	.46	.30	.34	.34	.52	.24	.72
22	.20	.18	.20	.22	.18	.24	.22	.24	.34	.42	.42	.44	.46	.62	.70	.64	.62	.58	.54	.56	.56	.60	.76	.60	.74
23	.82	.78	.60	.62	.68	.74	.70	.72	.80	.86	.82	.82	.82	.84	.82	.84	.80	.78	.74	.70	.60	.60	.22	.22	.70
24	.20	.24	.26	.28	.24	.22	.24	.26	.30	.38	.46	.76	.78	.74	.70	.72	.68	.64	.64	.62	.66	.70	.78	.80	.52
25	.74	.64	.60	.28	.18	.18	.18	.20	.34	.52	.72	.74	.76	.74	.74	.74	.76	.84	.84	.74	.66	.64	.68	.64	.64
26	.56	.64	.52	.30	.18	.36	.68	.54	.74	.78	.84	.80	.80	.76	.74	.74	.74	.74	.74	.70	.64	.72	.64	.64	.64
27	.86	.50	.52	.34	.42	.42	.44	.42	.34	.42	.44	.50	.52	.58	.58	.56	.64	.58	.56	.48	.32	.22	.14	.24	.44
28	.20	.22	.24	.32	.32	.32	.38	.24	.30	.38	.42	.48	.50	.52	.52	.52	.48	.48	.44	.44	.44	.44	.44	.44	.44
29	.26	.24	.20	.18	.24	.46	.72	.42	.32	.36	.40	.50	.52	.52	.46	.60	.58	.60	.58	.20	.24	.30	.24	.24	.34
30	.24	.32	.36	.20	.18	.20	.26	.46	.32	.66	.46	.48	.46	.50	.46	.50	.48	.40	.40	.32	.24	.48	.32	.48	.34
AV	.42	.42	.36	.34	.34	.40	.40	.46	.52	.56	.58	.64	.64	.64	.64	.62	.60	.54	.54	.48	.46	.48	.48	.48	.48
SD	.22	.20	.20	.20	.18	.22	.20	.18	.20	.18	.16	.14	.16	.14	.16	.16	.16	.14	.14	.20	.20	.20	.22	.22	.14

SIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#139

RONANZA, UTAH

SITE 4

JUL, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.14	.16	.24	.40	.34	.20	.16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.28	.28	.26	.42	.64	.56	.60	.70	.62	.24	.40
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.44	.44	.26	.42	.64	.56	.60	.70	.62	.24	.40
3	.34	.38	.52	.32	.16	.12	.12	.22	.32	.32	.40	.44	.34	.32	.34	.50	.52	.60	.52	.24	.30	.28	.16	.14	.34	.60
4	.34	.32	.20	.36	.24	.24	.36	.30	.30	.34	.40	.44	.46	.52	.50	.44	.42	.34	.36	.24	.36	.32	.46	.44	.14	.52
5	.38	.46	.28	.12	.34	.34	.40	.38	.20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.32	.46
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.46	.54	.66	.72	.54	.46	.34	.36	.22	.40	.72
7	.22	.16	.14	.18	.22	.28	.36	.36	.22	.20	.24	.46	.80	.84	.74	.64	.72	.70	.64	.54	.50	.44	.32	.74	.44	.44
8	.60	.50	.50	.54	.52	.40	.44	.54	.56	.56	.56	.58	.56	.48	.60	.66	.56	.48	.64	.26	.54	.46	.26	.16	.50	.64
9	.12	.16	.14	.16	.18	.12	.14	.20	.32	.36	.40	.44	.44	.44	.46	.46	.40	.30	.32	.16	.36	.48	.60	.34	.12	.60
10	.18	.16	.12	.14	.14	.18	.18	.24	.34	.40	.44	.46	.52	.62	.66	.56	.60	.52	.74	.64	.54	.54	.40	.40	.74	.74
11	.18	.12	.16	.32	.24	.18	.20	.20	.24	.36	.34	.46	.46	.44	.76	.72	.48	.34	.28	.18	.20	.30	.48	.60	.34	.74
12	.36	.28	.16	.44	.62	.60	.64	.64	.66	.48	.60	.42	.24	.64	.74	.68	.62	.34	.20	.12	.46	.70	.64	.20	.44	.74
13	.20	.18	.34	.54	.70	.66	.56	.56	.60	.66	.60	.44	.56	.62	.54	.42	.70	.56	.34	.34	.62	.50	.66	.42	.54	.42
14	.42	.70	.30	.30	.68	.64	.68	.64	.52	.52	.50	.58	.60	.70	.74	.68	.64	.64	.60	.54	.60	.76	.34	.16	.54	.42
15	.26	.76	.68	.40	.30	.44	.56	.46	.34	.36	.48	.46	.50	.52	.54	.54	.56	.48	.44	.40	.28	.18	.28	.44	.76	.64
16	.38	.26	.18	.20	.18	.24	.14	.24	.32	.38	.40	.46	.46	.46	.48	.44	.44	.34	.22	.14	.16	.46	.60	.42	.34	.60
17	.24	.38	.36	.16	.14	.18	.16	.26	.30	.36	.34	.42	.46	.46	.52	.58	.64	.64	.40	.44	.34	.20	.16	.22	.34	.64
18	.28	.38	.22	.26	.20	.20	.26	.24	.28	.36	.42	.46	.50	.52	.52	.48	.54	.46	.56	.32	.52	.56	.70	.32	.40	.70
19	.42	.68	.48	.22	.40	.18	.44	.42	.36	.42	.48	.50	.58	.66	.64	.60	.50	.40	.48	.50	.40	.26	.14	.14	.44	.64
20	.12	.10	.12	.10	.18	.16	.14	.22	.30	.36	.44	.44	.48	.50	.48	.50	.52	.40	.26	.20	.16	.14	.14	.20	.44	.54
21	.16	.22	.10	.18	.16	.12	.10	.22	.28	.40	.42	.46	.44	.46	.54	.52	.46	.42	.32	.14	.10	.12	.14	.20	.34	.54
22	.22	.22	.20	.36	.20	.22	.20	.26	.32	.34	.34	.48	.50	.54	.50	.52	.40	.46	.44	.38	.54	.70	.54	.24	.34	.70
23	.36	.54	.30	.14	.10	.16	.40	.46	.36	.36	.44	.44	.46	.52	.76	.52	.40	.34	.34	.34	.44	.44	.50	.64	.40	.76
24	.50	.26	.24	.22	.20	.14	.28	.42	.30	.34	.36	.46	.46	.54	.54	.48	.40	.46	.50	.56	.50	.34	.26	.24	.34	.56
25	.16	.16	.16	.14	.14	.18	.22	.36	.32	.36	.40	.46	.48	.52	.60	.54	.40	.22	.22	.28	.28	.20	.24	.10	.60	.64
26	.24	.38	.56	.68	.34	.14	.14	.20	.30	.34	.38	.44	.48	.50	.50	.48	.34	.34	.30	.54	.56	.50	.32	.30	.40	.64
27	.20	.26	.38	.26	.18	.16	.16	.22	.36	.40	.38	.46	.46	.48	.48	.42	.36	.40	.22	.14	.10	.12	.16	.16	.24	.44
28	.18	.14	.24	.30	.10	.12	.22	.40	.28	.36	.46	.44	.46	.48	.48	.48	.46	.36	.26	.14	.12	.44	.64	.54	.34	.44
29	.34	.16	.36	.34	.18	.40	.50	.46	.34	.32	.42	.44	.46	.56	.40	.42	.42	.26	.26	.26	.22	.32	.24	.40	.50	.40
30	.24	.16	.14	.18	.22	.24	.20	.26	.36	.40	.42	.50	.54	.52	.56	.48	.50	.48	.42	.28	.18	.14	.14	.16	.32	.54
31	.14	.12	.14	.14	.14	.20	.18	.24	.30	.40	.34	.42	.46	.44	.44	.40	.42	.40	.36	.34	.32	.14	.12	.14	.24	.46
AV	.28	.30	.28	.28	.26	.30	.34	.34	.34	.38	.42	.46	.50	.54	.56	.52	.50	.44	.40	.34	.36	.38	.34	.34	.14	.14
SD	.16	.14	.14	.14	.16	.16	.14	.10	.04	.04	.04	.04	.10	.10	.12	.10	.10	.12	.16	.16	.14	.14	.20	.20	.04	.04

ADJUST (29 JAN 81)

SIGMA P ICC1211

METERS/SECOND
LEVEL HEIGHT 10 METERS

WHITE RIVER SMALE PROJECT, #134

ROMANZA, UTAH

SITE #

AUG, 1960

AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/61 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.28	.18	.12	.14	.20	.30	.34	.18	.34	.24	.40	.46	.48	.48	.48	.60	.56	.74	.52	.30	.24	.32	.46	.44	.36	.74
2	.48	.34	.22	.16	.18	.24	.24	.24	.30	.32	.44	.42	.50	.52	.58	.48	.50	.44	.48	.38	.24	.32	.24	.16	.34	.58
3	.26	.20	.26	.24	.18	.36	.40	.24	.24	.38	.48	.56	.72	.72	.74	.74	.74	.74	.70	.56	.46	.46	.44	.40	.46	.74
4	.34	.36	.30	.34	.44	.18	.16	.22	.28	.36	.42	.56	.50	.54	.52	.50	.52	.54	.50	.46	.28	.32	.24	.32	.38	.54
5	.18	.20	.20	.14	.20	.16	.14	.20	.28	.30	.40	.42	.46	.50	.38	.60	.62	.58	.58	.40	.54	.72	.78	.76	.40	.78
6	.66	.76	.50	.26	.56	.34	.20	.36	.46	.50	.60	.60	.66	.68	.66	.66	.58	.54	.50	.34	.40	.60	.60	.64	.50	.76
7	.12	.18	.14	.28	.22	.14	.16	.32	.26	.32	.44	.46	.48	.52	.44	.40	.40	.34	.28	.22	.44	.54	.48	.32	.34	.54
8	.38	.46	.34	.18	.14	.18	.30	.22	.24	.34	.38	.40	.50	.60	.66	.60	.52	.42	.28	.14	.24	.40	.34	.34	.36	.66
9	.42	.68	.52	.28	.42	.72	.66	.66	.56	.56	.48	.48	.52	.54	.54	.56	.52	.48	.32	.14	.12	.12	.14	.46	.46	.72
10	.58	.20	.12	.12	.18	.14	.14	.20	.28	.32	.44	.46	.54	.54	.54	.52	.52	.56	.44	.34	.24	.18	.22	.34	.58	.22
11	.24	.24	.16	.12	.12	.10	.12	.22	.24	.30	.38	.42	.48	.46	.46	.42	.38	.36	.24	.14	.14	.24	.30	.50	.28	.50
12	.40	.28	.20	.34	.22	.14	.18	.22	.40	.74	.66	.52	.48	.48	.38	.40	.64	.50	.42	.54	.66	.74	.68	.64	.46	.74
13	.68	.36	.14	.52	.64	.42	.40	.22	.28	.40	.44	.44	.46	.44	.62	.42	.46	.50	.40	.52	.34	.68	.56	.28	.44	.68
14	.30	.24	.16	.18	.12	.16	.14	.24	.30	.38	.40	.42	.40	.46	.64	.60	.52	.48	.62	.58	.72	.44	.26	.30	.38	.72
15	.28	.32	.32	.48	.76	.54	.52	.28	.26	.44	.44	.56	.68	.72	.66	.54	.52	.56	.28	.34	.62	.44	.40	.26	.44	.74
16	.18	.18	.22	.14	.20	.14	.16	.42	.28	.30	.42	.48	.48	.48	.46	.50	.44	.34	.20	.14	.22	.18	.22	.24	.30	.50
17	.20	.34	.52	.38	.16	.18	.14	.18	.26	.34	.34	.38	.44	.42	.54	.46	.52	.34	.42	.30	.38	.58	.44	.60	.38	.64
18	.30	.46	.14	.12	.18	.10	.12	.16	.34	.78	.74	.78	.82	.84	.78	.82	.82	.80	.68	.70	.62	.64	.68	.68	.54	.84
19	.72	.70	.68	.72	.74	.72	.76	.72	.78	.76	.74	.76	.72	.54	.68	.50	.60	.60	.46	.24	.30	.36	.28	.18	.58	.78
20	.16	.14	.18	.24	.34	.26	.34	.30	.30	.34	.40	.46	.50	.52	.48	.46	.40	.30	.18	.14	.38	.50	.18	.18	.32	.52
21	.14	.20	.32	.30	.16	.16	.12	.22	.28	.34	.38	.42	.44	.44	.44	.46	.40	.28	.16	.24	.56	.70	.64	.52	.34	.70
22	.52	.44	.18	.20	.16	.10	.10	.18	.22	.34	.38	.36	.68	.76	.82	.74	.70	.72	.70	.56	.48	.62	.58	.64	.46	.82
23	.54	.64	.72	.64	.60	.50	.42	.38	.64	.62	.60	.62	.70	.62	.74	.60	.28	.46	.60	.84	.68	.66	.74	.74	.62	.88
24	.64	.24	.18	.30	.44	.68	.68	.54	.48	.44	.38	.44	.40	.46	.46	.54	.58	.46	.44	.34	.14	.18	.62	.74	.46	.74
25	.34	.12	.14	.52	.70	.58	.38	.46	.34	.34	.30	.48	.46	.30	.34	.38	.40	.46	.28	.14	.14	.28	.34	.20	.36	.70
26	.14	.16	.20	.18	.32	.34	.22	.50	.46	.32	.28	.34	.36	.38	.50	.64	.46	.36	.52	.60	.18	.14	.14	.28	.32	.60
27	.26	.20	.18	.14	.10	.12	.12	.16	.24	.28	.28	.34	.36	.38	.50	.64	.54	.56	.24	.44	.16	.52	.74	.74	.34	.74
28	.76	.80	.44	.30	.20	.34	.32	.32	.24	.26	.28	.68	.72	.74	.70	.72	.78	.70	.60	.68	.72	.72	.68	.70	.56	.40
29	.70	.72	.64	.74	.72	.74	.82	.78	.72	.62	.62	.56	.56	.72	.72	.74	.74	.72	.74	.66	.66	.76	.76	.78	.70	.42
30	.78	.44	.34	.66	.38	.62	.70	.48	.22	.24	.28	.38	.46	.46	.46	.46	.62	.62	.18	.60	.50	.34	.24	.18	.42	.78
31	.18	.12	.14	.14	.16	.14	.10	.12	.20	.22	.24	.32	.42	.46	.46	.46	.46	.44	.24	.14	.14	.16	.18	.22	.24	.46
AV	.40	.36	.28	.30	.32	.32	.30	.32	.34	.40	.44	.48	.52	.54	.56	.56	.54	.50	.44	.40	.40	.46	.44	.44	.42	.1
30	.20	.20	.18	.18	.22	.22	.22	.18	.14	.16	.12	.12	.12	.12	.14	.12	.12	.16	.16	.20	.20	.22	.22	.20	.10	.1

SIGMA W (CC1211)
 WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 4
 SEP, 1980
 AERONVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

METERS/SECOND
 LEVEL HEIGHT : 10 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.18	.12	.10	.18	.46	.20	.14	.20	.24	.34	.38	.36	.46	.42	.42	.38	.34	.24	.14	.14	.40	.32	.52	.74	.32	.74	
2	.38	.18	.16	.18	.18	.18	.14	.14	.28	.34	.34	.38	.38	.46	.64	.68	.66	.62	.48	.52	.72	.78	.74	.44	.42	.78	
3	.60	.82	.80	.46	.20	.28	.28	.30	.42	.40	.38	.42	.44	.46	.46	.50	.46	.44	.36	.22	.14	.12	.16	.26	.40	.42	
4	.16	.16	.18	.16	.12	.10	.16	.16	.26	.38	.36	.38	.42	.44	.46	.40	.34	.18	.12	.10	.18	.44	.36	.36	.26	.44	
5	.18	.18	.18	.14	.12	.10	.14	.14	.26	.28	.34	.42	.34	.44	.40	.38	.30	.28	.20	.14	.18	.34	.52	.54	.28	.54	
6	.42	.28	.48	.42	.44	.38	.42	.48	.66	.64	.52	.58	.52	.50	.48	.48	.38	.28	.18	.30	.46	.54	.62	.60	.46	.66	
7	.56	.42	.58	.22	.18	.14	.18	.16	.26	.30	.24	.24	.22	.24	.20	.26	.24	.14	.10	.10	.22	.32	.40	.20	.26	.58	
8	.42	.32	.18	.20	.34	.30	.14	.16	.30	.30	.24	.14	.14	.26	.26	.20	.14	.12	.12	.10	.10	.10	.08	.10	.20	.82	
9	.10	.12	.16	.18	.24	.18	.20	.14	.18	.24	.22	.18	.20	.22	.26	.26	.20	.16	.10	.10	.28	.16	.10	.08	.08	.14	.28
10	.08	.08	.10	.08	.10	.10	.10	.10	.18	.18	.46	.22	.24	.16	.28	.24	.18	.20	.42	.40	.58	.64	.64	.26	.26	.64	
11	.20	.16	.14	.10	.14	.28	.40	.64	.34	.68	.68	.68	.66	.66	.66	.64	.62	.38	.22	.26	.34	.36	.44	.52	.42	.68	
12	.60	.54	.46	.44	.46	.40	.34	.22	.26	.32	.38	.36	.42	.40	.34	.48	.48	.26	.20	.24	.36	.50	.52	.30	.48	.60	
13	.28	.28	.28	.18	.14	.14	.10	.14	.14	.14	.30	.34	.68	.80	.76	.72	.72	.64	.56	.46	.50	.50	.52	.58	.48	.40	
14	.64	.60	.48	.46	.40	.50	.24	.38	.44	.46	.74	.70	.40	.42	.40	.38	.32	.18	.14	.24	.60	.68	.28	.24	.44	.74	
15	.28	.22	.20	.16	.20	.22	.20	.22	.26	.30	.32	.34	.36	.44	.58	.50	.56	.48	.44	.52	.58	.58	.64	.62	.34	.64	
16	.66	.60	.48	.22	.32	.40	.46	.44	.34	.42	.60	.64	.64	.62	.60	.58	.56	.50	.46	.48	.48	.40	.34	.28	.48	.64	
17	.30	.28	.40	.48	.52	.56	.52	.24	.34	.44	.46	.44	.46	.42	.38	.40	.32	.24	.24	.22	.22	.24	.50	.54	.40	.56	
18	.40	.28	.28	.32	.26	.22	.22	.28	.26	.30	.34	.44	.46	.58	.76	.78	.70	.70	.58	.58	.78	.82	.70	.50	.82	.82	
19	.48	.64	.62	.66	.68	.66	.68	.72	.70	.72	.70	.68	.72	.74	.68	.56	.46	.38	.34	.34	.46	.46	.40	.30	.54	.74	
20	.34	.34	.42	.30	.34	.42	.28	.24	.28	.34	.40	.42	.44	.44	.40	.44	.38	.28	.24	.32	.46	.46	.32	.34	.16	.56	
21	.30	.28	.44	.42	.42	.30	.26	.32	.34	.36	.46	.48	.50	.52	.60	.42	.40	.44	.42	.44	.36	.44	.40	.42	.82	.82	
22	.40	.46	.40	.38	.44	.44	.44	.34	.36	.42	.44	.46	.50	.46	.42	.44	.36	.34	.36	.46	.46	.34	.38	.42	.40	.50	
23	.54	.46	.44	.40	.40	.40	.44	.48	.38	.36	.40	.42	.44	.48	.48	.44	.40	.34	.32	.46	.40	.42	.34	.32	.42	.54	
24	.34	.34	.44	.44	.46	.50	.48	.44	.42	.46	.50	.52	.56	.54	.50	.48	.44	.46	.52	.42	.38	.50	.56	.58	.48	.58	
25	.56	.54	.48	.58	.62	.66	.66	.78	.62	.56	.46	.46	.50	.50	.46	.46	.46	.52	.24	.60	.58	.66	.64	.68	.54	.74	
26	.46	.50	.60	.56	.70	.72	.68	.70	.74	.62	.54	.52	.46	.46	.44	.46	.42	.46	.44	.44	.52	.52	.62	.64	.54	.74	
27	.54	.42	.34	.50	.52	.46	.58	.42	.42	.40	.40	.42	.44	.42	.42	.42	.38	.42	.46	.44	.44	.42	.52	.56	.46	.58	
28	.50	.46	.44	.40	.42	.46	.46	.68	.54	.44	.48	.44	.50	.54	.50	.46	.46	.48	.44	.50	.60	.64	.42	.54	.46	.58	
29	.48	.50	.68	.58	.64	.72	.70	.52	.50	.46	.46	.46	.50	.46	.44	.42	.48	.56	.58	.60	.60	.60	.58	.54	.54	.72	
30	.52	.64	.66	.68	.64	.68	.70	.70	.66	.58	.70	.58	.54	.50	.56	.56	.50	.58	.52	.62	.56	.60	.60	.60	.60	.70	
AV	.40	.38	.38	.34	.36	.38	.36	.36	.38	.42	.44	.44	.46	.46	.48	.44	.42	.38	.34	.36	.42	.46	.48	.44	.40	.40	
SD	.16	.18	.18	.18	.18	.18	.20	.20	.16	.14	.14	.14	.14	.14	.14	.14	.14	.16	.16	.16	.16	.18	.18	.18	.18	.18	

AUGUST (29 JAN 81)

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE

4

OCT, 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 15/APR/81 *
*
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.52	.69	.65	.53	.53	.62	.60	.48	.41	.61	.61	.47	.52	.54	.55	.53	.50	.43	.39	.51	.42	.42	.42	.44	.52	.69
2	.45	.51	.48	.59	.50	.45	.41	.42	.46	.56	.56	.49	.43	.33	.24	.20	.27	.20	.18	.32	.27	.24	.23	.20	.34	.59
3	.25	.32	.24	.34	.32	.20	.21	.20	.19	.21	.34	.27	.19	.23	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.14
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	.32	.52	.56	.34	.46	.58	.65	.73	.76	.77	.77	.67	.80	.61	.80
13	.81	.77	.73	.44	.61	.75	.75	.57	.45	.36	.39	.39	.40	.45	.42	.38	.32	.49	.52	.43	.44	.33	.30	.35	.49	.81
14	.24	.23	.19	.25	.22	.20	.13	.13	.15	.18	.21	.30	.18	.30	.28	.23	.19	.81	.78	.49	.21	.16	.40	.36	.24	.81
15	.66	.79	.76	.75	.75	.62	.66	.44	.38	.63	.61	.73	.65	.81	.67	.74	.43	.47	.40	.24	.14	.14	.14	.13	.53	.81
16	.21	.27	.24	.28	.27	.25	.24	.14	.14	.15	.15	.21	.21	.24	.29	.28	.40	.46	.44	.49	.49	.40	.41	.42	.29	.49
17	.41	.15	.13	.21	.40	.36	.42	.53	.47	.34	.37	.43	.44	.48	.46	.46	.41	.24	.30	.40	.33	.28	.21	.21	.35	.53
18	.29	.24	.18	.22	.24	.36	.40	.24	.21	.28	.25	.24	.29	.33	.33	.27	.21	.11	.04	.27	.61	.51	.35	.28	.28	.61
19	.16	.24	.19	.17	.15	.13	.12	.12	.19	.21	.31	.31	.36	.34	.35	.30	.26	.16	.11	.12	.14	.20	.16	.18	.22	.36
20	.14	.12	.11	.14	.15	.16	.15	.25	.22	.23	.27	.31	.34	.34	.35	.25	.23	.11	.09	.22	.48	.36	.23	.18	.23	.48
21	.17	.15	.17	.15	.17	.43	.24	.17	.23	.29	.34	.31	.34	.35	.34	.33	.23	.14	.21	.36	.57	.77	.80	.75	.33	.80
22	.70	.67	.53	.41	.47	.45	.53	.56	.61	.54	.63	.67	.65	.59	.65	.64	.74	.70	.57	.50	.40	.34	.36	.28	.55	.74
23	.20	.30	.32	.28	.34	.34	.31	.39	.41	.41	.42	.43	.45	.40	.45	.40	.35	.37	.29	.35	.44	.40	.39	.50	.34	.50
24	.42	.33	.39	.34	.34	.57	.43	.36	.35	.35	.41	.41	.40	.41	.39	.36	.29	.21	.24	.37	.48	.48	.34	.47	.38	.57
25	.40	.46	.45	.45	.40	.38	.31	.39	.43	.37	.37	.41	.44	.44	.37	.36	.35	.35	.33	.48	.39	.42	.35	.42	.40	.48
26	.45	.38	.36	.33	.41	.30	.39	.45	.43	.44	.36	.34	.38	.38	.34	.35	.42	.32	.33	.43	.33	.24	.24	.19	.34	.48
27	.14	.21	.19	.20	.17	.15	.18	.17	.18	.35	.43	.42	.39	.47	.44	.43	.42	.38	.31	.27	.27	.24	.22	.22	.29	.47
28	.23	.24	.25	.38	.35	.14	.15	.15	.17	.27	.38	.38	.36	.35	.34	.26	.18	.17	.21	.18	.22	.39	.30	.26	.25	.39
29	.24	.25	.38	.35	.34	.24	.22	.24	.22	.26	.31	.34	.35	.34	.31	.30	.23	.21	.16	.15	.18	.20	.22	.24	.24	.34
30	.21	.24	.24	.17	.21	.26	.25	.21	.21	.24	.34	.34	.34	.35	.30	.27	.22	.22	.22	.26	.27	.24	.19	.22	.25	.35
31	.23	.24	.24	.23	.23	.20	.27	.18	.23	.22	.26	.30	.34	.31	.32	.27	.19	.28	.34	.25	.26	.41	.46	.45	.26	.46
AV	.36	.35	.34	.31	.34	.35	.34	.31	.31	.34	.37	.39	.39	.40	.38	.36	.34	.34	.33	.36	.37	.36	.34	.34	.35	()
80	.18	.20	.19	.15	.16	.17	.17	.15	.13	.14	.13	.12	.11	.13	.11	.14	.14	.19	.19	.15	.16	.16	.15	.17	.11	()

SIGMA W ICC(21)
 METERS/SOUND
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, W139
 HONANZA, UTAH
 SITE 4
 NOV, 1980
 AEROSOL MEASUREMENT INC.

 * FINAL DATA *
 * AS OF 00/100/01 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.27	.34	.36	.29	.28	.29	.30	.32	.29	.27	.30	.33	.34	.36	.31	.25	.20	.24	.28	.27	.27	.30	.28	.28	.29	.36
2	.24	.27	.26	.28	.28	.31	.26	.26	.29	.29	.30	.30	.29	.29	.27	.25	.24	.21	.23	.23	.24	.24	.26	.26	.27	.34
3	.38	.22	.27	.27	.26	.26	.41	.25	.23	.27	.29	.29	.32	.32	.31	.22	.21	.21	.18	.21	.23	.26	.21	.29	.27	.41
4	.25	.27	.25	.25	.24	.25	.28	.27	.28	.27	.28	.27	.34	.29	.24	.25	.27	.33	.28	.34	.34	.35	.37	.44	.23	.44
5	.34	.32	.28	.34	.29	.28	.27	.27	.29	.29	.32	.33	.34	.36	.33	.31	.23	.26	.35	.38	.46	.23	.46	.45	.32	.46
6	.28	.33	.34	.32	.34	.31	.23	.28	.30	.31	.31	.32	.31	.31	.32	.31	.22	.37	.65	.73	.72	.71	.68	.41	.71	.41
7	.58	.37	.69	.75	.79	.77	.46	.41	.46	.43	.34	.32	.34	.60	.60	.62	.59	.68	.71	.70	.79	.68	.51	.77	.51	.79
8	.63	.47	.64	.74	.75	.62	.59	.54	.54	.54	.54	.56	.52	.51	.47	.52	.51	.47	.37	.47	.54	.59	.62	.62	.54	.59
9	.52	.48	.53	.52	.52	.53	.44	.33	.48	.50	.47	.43	.46	.47	.47	.52	.51	.51	.54	.51	.54	.63	.65	.60	.51	.65
10	.65	.55	.49	.47	.65	.55	.44	.41	.45	.56	.51	.47	.42	.43	.41	.44	.44	.39	.50	.53	.54	.54	.48	.51	.49	.65
11	.48	.58	.63	.60	.50	.72	.55	.68	.58	.60	.60	.47	.45	.42	.43	.38	.50	.53	.57	.53	.57	.60	.61	.69	.55	.72
12	.66	.67	.56	.60	.61	.58	.56	.46	.46	.62	.63	.46	.30	.43	.37	.57	.67	.71	.71	.68	.69	.63	.71	.79	.59	.79
13	.23	.69	.85	.73	.50	.41	.41	.46	.32	.33	.25	.26	.32	.35	.28	.31	.36	.30	.33	.35	.35	.34	.30	.28	.39	.65
14	.31	.24	.22	.24	.22	.24	.23	.28	.32	.32	.31	.34	.35	.34	.33	.28	.24	.25	.22	.23	.29	.24	.20	.21	.27	.35
15	.20	.22	.16	.15	.22	.16	.22	.18	.24	.27	.26	.32	.38	.38	.35	.30	.27	.25	.24	.26	.26	.35	.31	.28	.26	.38
16	.31	.25	.24	.23	.24	.25	.25	.26	.26	.28	.28	.31	.34	.35	.37	.30	.24	.22	.28	.30	.26	.28	.27	.33	.24	.37
17	.33	.31	.32	.26	.30	.29	.27	.27	.28	.28	.37	.38	.41	.35	.36	.34	.26	.26	.38	.25	.28	.42	.42	.43	.33	.43
18	.54	.39	.43	.43	.49	.40	.33	.37	.53	.47	.39	.41	.44	.40	.36	.32	.32	.47	.44	.26	.36	.31	.43	.48	.39	.53
19	.58	.53	.41	.42	.38	.38	.37	.35	.40	.42	.38	.41	.44	.37	.35	.34	.37	.36	.35	.45	.41	.42	.41	.50	.41	.58
20	.39	.43	.41	.36	.41	.41	.40	.46	.47	.40	.39	.39	.40	.39	.32	.25	.24	.40	.48	.48	.35	.35	.35	.36	.38	.48
21	.39	.41	.40	.55	.53	.39	.42	.38	.44	.36	.35	.37	.38	.38	.32	.26	.23	.27	.37	.49	.46	.42	.34	.34	.39	.55
22	.51	.50	.45	.52	.53	.46	.51	.48	.38	.41	.37	.35	.35	.34	.37	.35	.40	.46	.42	.40	.36	.45	.39	.44	.43	.53
23	.46	.35	.51	.45	.52	.49	.46	.53	.41	.44	.42	.39	.42	.41	.39	.42	.53	.52	.48	.55	.59	.49	.47	.40	.45	.59
24	.45	.38	.47	.40	.38	.14	.22	.49	.30	.26	.45	.38	.28	.18	.14	.17	.13	.14	.09	.08	.08	.08	.09	.24	.49	.49
25	.09	.09	.09	.09	.09	.08	.08	.08	.08	.04	.08	.12	.13	.47	.41	.36	.30	.35	.36	.20	.34	.30	.34	.35	.21	.47
26	.30	.36	.26	.36	.34	.24	.29	.27	.28	.26	.26	.28	.28	.27	.23	.20	.19	.21	.22	.24	.23	.23	.23	.23	.24	.36
27	.30	.42	.44	.44	.32	.33	.27	.30	.24	.30	.31	.28	.31	.30	.28	.31	.30	.26	.21	.23	.23	.22	.24	.27	.30	.44
28	.34	.24	.23	.31	.27	.30	.29	.22	.26	.25	.27	.30	.34	.32	.34	.31	.36	.42	.53	.57	.55	.41	.48	.36	.35	.57
29	.30	.32	.31	.28	.28	.29	.26	.23	.23	.24	.24	.27	.28	.24	.24	.27	.15	.34	.42	.31	.44	.43	.39	.42	.31	.44
30	.52	.35	.37	.40	.41	.49	.56	.74	.70	.38	.53	.54	.59	.47	.62	.72	.71	.65	.72	.77	.77	.83	.86	.84	.76	.61
AV	.59	.58	.58	.59	.54	.36	.36	.36	.36	.36	.36	.35	.36	.37	.36	.35	.34	.34	.40	.40	.43	.42	.42	.43	.38	.1
SU	.14	.13	.16	.15	.15	.16	.14	.15	.13	.13	.12	.09	.09	.09	.10	.12	.15	.15	.16	.18	.18	.17	.17	.18	.11	.1

SIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 10 METERS

WHITE HIVEH SHALE PROJECT, #139
BONANZA, UTAH
SITE 4

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	.66	.56	.36	.46	.36	.34	.46	.52	.52	.52	.44	.46	.50	.40	.32	.24	.20	.14	.22	.24	.30	.26	.24	.24	.34	.66
2	.24	.24	.16	.16	.16	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
3	.28	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
4	.54	.54	.54	.44	.42	.50	.56	.64	.52	.60	.60	.74	.82	.74	.74	.64	.64	.76	.64	.66	.64	.64	.64	.64	.64	.64
5	.54	.64	.64	.64	.74	.64	.70	.64	.52	.48	.50	.42	.36	.54	.56	.60	.40	.30	.24	.30	.24	.30	.24	.12	.12	.44
6	.20	.22	.14	.10	.08	.12	.14	.12	.12	.10	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
7	.10	.12	.12	.12	.14	.14	.14	.10	.10	.10	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
8	.24	.14	.16	.22	.22	.14	.24	.14	.24	.22	.24	.24	.32	.32	.30	.24	.14	.10	.14	.14	.10	.14	.14	.14	.14	.24
9	.30	.30	.30	.14	.10	.10	.10	.12	.14	.16	.24	.24	.26	.24	.24	.24	.12	.12	.12	.12	.12	.12	.12	.12	.12	.24
10	.22	.16	.12	.14	.12	.12	.12	.12	.12	.14	.16	.14	.24	.26	.24	.16	.14	.14	.14	.10	.10	.10	.12	.14	.14	.24
11	.24	.20	.14	.16	.12	.14	.12	.12	.14	.16	.14	.22	.24	.24	.24	.14	.14	.14	.14	.10	.10	.10	.12	.14	.14	.24
12	.14	.14	.16	.14	.16	.16	.14	.10	.16	.18	.24	.26	.28	.30	.24	.16	.12	.16	.14	.14	.14	.14	.14	.14	.14	.24
13	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
14	.12	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
15	.16	.22	.22	.22	.24	.14	.14	.14	.24	.26	.22	.24	.26	.28	.24	.18	.24	.20	.14	.14	.16	.20	.24	.20	.24	.24
16	.20	.18	.14	.14	.14	.16	.16	.16	.16	.18	.20	.24	.24	.24	.24	.24	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
17	.18	.22	.26	.14	.10	.14	.14	.12	.10	.16	.20	.26	.26	.30	.24	.24	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
18	.16	.14	.14	.14	.14	.14	.12	.12	.14	.20	.20	.22	.26	.24	.22	.20	.14	.14	.12	.14	.16	.20	.14	.12	.14	.24
19	.10	.14	.14	.12	.12	.12	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
20	.14	.16	.14	.14	.14	.22	.14	.12	.12	.14	.18	.20	.22	.26	.32	.24	.14	.10	.12	.10	.12	.12	.12	.10	.04	.32
21	.10	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
22	.18	.28	.42	.62	.62	.62	.26	.32	.26	.26	.26	.24	.26	.24	.24	.14	.10	.10	.10	.10	.10	.10	.10	.10	.10	.24
23	.26	.14	.14	.24	.26	.20	.24	.26	.32	.30	.40	.40	.32	.32	.30	.26	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
24	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
25	.14	.16	.16	.16	.20	.20	.16	.20	.16	.20	.22	.22	.22	.24	.24	.18	.20	.14	.14	.14	.14	.14	.14	.14	.14	.24
26	.24	.34	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.24
27	.18	.22	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
28	.14	.20	.14	.14	.20	.18	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
29	.14	.12	.20	.16	.14	.18	.20	.16	.14	.18	.20	.26	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
30	.16	.14	.14	.14	.12	.14	.12	.12	.12	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.24
31	.20	.22	.14	.20	.14	.26	.14	.14	.16	.20	.24	.24	.30	.32	.32	.24	.14	.20	.20	.20	.14	.20	.22	.22	.22	.24
AV	.22	.24	.24	.24	.22	.22	.22	.22	.22	.22	.26	.24	.30	.30	.30	.24	.22	.22	.22	.24	.24	.22	.22	.22	.22	.24
SD	.14	.14	.12	.14	.14	.14	.14	.14	.14	.14	.12	.12	.12	.12	.12	.14	.14	.14	.14	.14	.14	.12	.12	.12	.12	.14

SITE 6

WIND SPEED (CC:011)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROSOLMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVF	PEAK
1	4.0	1.5	1.5	4.0	6.5	5.5	5.0	5.5	5.0	2.0	4.0	3.0	2.5	3.5	3.0	4.0	4.5	4.0	1.5	3.0	1.5	1.0	2.0	3.0	3.5	6.5
2	2.0	1.5	2.0	1.5	2.5	3.5	2.0	2.0	3.0	3.0	2.5	2.5	2.5	4.0	2.5	3.0	3.0	4.0	4.5	6.0	5.0	4.5	2.0	2.0	3.0	6.0
3	1.5	1.5	2.0	5.0	5.5	6.0	6.0	5.0	4.5	3.0	1.5	2.0	2.5	3.0	5.0	5.0	5.0	3.0	3.0	2.0	3.0	2.0	2.5	2.0	3.5	6.0
4	2.5	3.0	3.0	3.0	2.5	2.0	2.5	3.0	3.0	4.0	2.5	2.5	3.0	3.5	2.5	2.5	3.5	3.5	3.5	3.0	2.5	2.5	2.0	3.5	3.0	4.0
5	2.5	3.0	2.5	2.0	3.5	4.5	3.5	3.5	2.5	2.0	2.0	2.5	3.0	3.0	3.5	4.0	2.5	6.0	4.5	2.0	2.0	2.0	5.0	4.0	3.0	4.0
6	2.5	3.0	3.0	4.5	4.5	3.5	4.5	5.5	4.5	5.0	6.5	7.5	13.0	13.5	14.5	14.0	12.0	6.5	4.0	4.5	4.5	4.5	2.0	6.5	14.5	
7	1.5	1.5	2.5	2.5	2.5	1.5	3.0	2.5	1.5	2.5	3.0	4.0	5.0	7.5	4.5	3.0	2.0	5.0	5.0	6.5	4.5	4.0	4.0	2.5	1.5	4.5
8	3.0	2.0	2.0	2.0	2.0	3.0	2.0	3.0	1.5	1.5	2.0	3.0	4.0	4.0	3.0	3.0	2.0	2.5	2.5	5.0	5.5	5.0	4.5	10.5	1.5	10.5
9	7.0	5.5	5.5	4.0	4.0	4.0	3.0	7.5	13.5	17.5	19.0	20.0	19.5	18.0	17.0	13.5	11.5	13.5	10.0	13.0	16.5	17.0	13.5	11.0	12.0	20.0
10	11.0	17.0	23.0	21.0	19.0	15.5	13.0	12.5	22.5	21.0	22.0	24.0	23.0	21.5	17.5	23.5	19.5	18.0	21.0	20.0	17.0	12.0	4.0	6.0	17.5	24.0
11	9.5	10.5	6.0	5.5	5.5	6.0	5.5	4.5	4.0	4.5	1.5	2.0	2.0	3.0	2.5	2.5	2.0	2.5	2.5	4.5	3.5	3.0	4.5	2.5	4.0	10.5
12	3.5	3.0	2.5	3.0	2.5	3.0	6.0	5.0	2.5	3.5	2.5	5.0	4.0	2.0	3.0	4.0	3.0	2.0	3.0	4.0	6.5	2.0	3.0	4.0	3.5	6.0
13	5.0	2.5	3.5	3.0	3.5	2.5	1.5	3.0	2.0	2.5	3.5	3.5	5.5	5.0	2.5	4.0	3.0	2.0	3.0	4.0	6.5	3.5	2.5	5.5	3.5	6.5
14	15.0	14.0	13.5	13.0	14.5	13.0	11.5	8.5	16.0	6.5	13.0	7.5	7.0	6.0	5.0	2.5	3.0	3.0	3.5	3.5	3.0	3.0	3.0	2.0	1.0	16.0
15	3.0	2.5	3.5	4.5	4.0	3.5	3.0	2.0	4.5	3.5	3.0	4.0	4.5	4.5	3.5	2.5	4.5	5.0	4.0	3.0	6.5	1.5	1.5	1.0	3.5	6.5
16	1.5	1.5	1.5	2.0	2.0	3.0	5.0	3.5	3.0	1.0	2.5	3.0	3.0	4.0	6.5	7.0	5.0	4.5	2.0	2.0	3.5	3.5	3.5	2.5	3.5	7.0
17	2.0	3.0	1.5	2.0	2.5	3.0	2.5	2.5	2.0	2.0	2.0	3.0	7.5	7.5	5.5	4.0	3.5	4.5	3.5	1.5	2.0	4.0	4.0	3.0	3.5	7.5
18	1.5	1.5	4.0	2.5	2.0	2.5	1.5	2.5	2.0	2.5	3.0	3.0	2.5	6.5	7.0	5.5	7.5	6.0	3.0	14.0	18.0	21.5	22.0	23.0	7.0	23.0
19	22.5	18.0	16.5	8.5	6.5	8.5	14.0	15.5	12.0	7.0	8.5	10.0	9.5	10.0	8.0	6.0	5.0	5.0	6.5	8.5	13.5	9.0	8.0	4.5	10.5	22.5
20	3.5	5.0	2.5	4.0	10.0	8.0	6.0	4.0	4.0	2.5	4.5	5.5	5.5	4.5	5.5	4.5	5.5	6.0	4.0	2.0	2.0	1.0	2.5	2.0	4.5	10.0
21	2.5	3.5	3.0	3.5	4.0	2.5	3.0	2.0	4.0	4.0	3.5	3.5	3.0	4.5	3.0	4.5	5.5	8.0	7.5	6.5	6.5	7.0	7.0	5.0	4.5	4.0
22	4.0	3.5	4.0	5.0	5.5	4.0	4.0	4.5	4.0	4.5	4.0	3.5	3.5	4.5	3.5	4.5	2.5	4.0	3.0	2.5	5.0	4.5	6.5	6.5	4.0	6.5
23	4.0	3.5	6.0	3.5	3.0	5.0	2.5	3.5	3.0	2.0	2.5	4.5	5.5	6.5	5.5	4.0	4.0	5.0	3.5	4.0	3.5	4.5	4.5	3.5	4.0	6.5
24	3.0	2.5	2.5	3.0	4.0	3.5	2.5	3.5	3.5	3.5	3.0	3.0	3.0	3.5	4.0	3.0	4.5	5.5	4.0	4.5	4.5	3.5	3.0	3.0	3.5	5.5
25	2.5	2.5	2.0	5.0	3.0	5.0	4.5	3.5	2.5	3.0	3.0	3.0	2.5	3.0	3.5	5.5	4.0	3.5	5.5	9.0	11.0	10.5	11.0	5.0	11.0	5.0
26	12.5	11.5	6.5	3.5	3.5	4.0	3.5	3.5	3.0	3.0	4.5	5.5	8.0	9.0	12.5	13.5	13.5	14.5	10.5	9.5	9.5	7.5	9.0	7.5	7.5	14.5
27	3.0	1.5	4.0	4.0	3.0	1.5	1.0	3.0	3.5	3.0	3.5	5.0	4.0	3.5	4.0	4.0	2.5	5.5	4.5	2.0	7.5	8.5	3.5	3.0	1.5	4.5
28	3.0	4.5	7.0	5.0	7.5	5.0	5.0	2.5	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	2.5	2.0	2.5	2.0	1.5	3.0	1.5	1.0	3.5	7.5
29	3.0	3.0	1.5	1.0	2.5	1.0	1.5	2.0	1.0	2.0	2.5	2.5	2.0	6.0	4.5	7.5	10.5	4.5	4.0	4.0	5.0	5.0	3.5	5.0	3.5	10.5
30	6.5	6.0	8.5	8.0	6.5	7.0	5.0	8.0	5.5	4.0	1.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	4.5	6.0	6.0	6.5	4.0	5.5	5.0	4.5
31	6.0	4.5	4.0	3.5	5.5	4.0	4.0	3.0	3.5	1.5	2.0	3.0	2.0	2.5	2.5	2.5	6.0	4.5	3.5	4.0	5.0	3.0	2.5	3.0	3.5	6.0
AV	5.0	4.5	5.0	4.5	5.0	4.5	4.5	4.5	5.0	4.0	4.5	5.0	5.0	6.0	5.5	5.5	5.5	5.5	5.0	5.5	6.0	5.5	5.0	5.0	5.0	1.1
SD	4.5	4.5	4.5	4.0	3.5	3.0	3.0	3.0	4.5	4.0	5.0	5.0	4.5	4.5	4.0	4.5	4.0	3.5	4.0	4.0	4.5	4.5	4.0	4.5	4.0	1.1

WIND SPEED (CCI011)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT. #139

ROMAN7A, UTAH

SITE 6

FEB, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	3.5	3.0	3.5	2.5	2.0	3.5	3.5	4.0	2.5	2.0	3.5	3.0	4.0	6.0	6.5	5.0	4.0	3.0	3.5	4.0	5.0	5.0	4.0	3.5	4.0	6.5
2	3.0	3.5	2.5	3.0	4.5	3.0	3.0	2.5	2.5	3.5	3.0	4.5	5.0	3.0	3.0	2.5	5.0	3.0	3.5	3.0	3.0	1.5	2.5	2.5	3.0	5.0
3	3.0	3.0	2.5	2.5	3.0	2.5	3.0	3.0	2.0	2.0	4.0	3.0	3.0	3.5	3.0	5.0	5.5	5.5	4.0	3.5	4.0	2.0	4.5	4.0	3.5	5.5
4	2.5	2.5	3.0	3.0	3.5	3.5	2.5	2.5	3.0	2.0	2.0	3.0	3.5	6.5	6.5	3.0	3.5	3.0	2.0	3.5	2.5	3.0	4.5	3.0	3.5	6.5
5	3.0	4.0	4.5	2.5	4.0	3.5	2.5	2.5	3.0	2.5	3.0	3.0	3.5	4.5	3.5	6.0	6.0	6.5	4.0	2.5	2.5	3.0	3.5	3.5	3.5	6.5
6	3.5	3.5	2.0	2.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	4.5	3.5	2.5	3.5	5.0	6.5	6.0	5.5	3.0	4.0	3.0	3.5	3.5	3.5	6.5
7	3.0	1.0	2.0	2.0	3.5	4.0	3.5	2.0	1.5	3.0	5.5	3.0	3.0	3.5	4.5	9.5	11.0	10.0	6.0	6.0	6.0	3.5	4.5	3.0	4.0	11.0
8	6.5	9.0	6.0	6.0	5.0	4.0	5.0	6.5	5.5	2.0	3.5	4.5	4.5	7.0	9.0	6.0	2.5	2.5	4.0	8.0	9.0	9.5	9.0	9.5	6.0	9.5
9	7.0	6.5	4.0	6.5	5.5	6.0	3.5	3.0	3.0	1.5	2.5	4.0	4.5	4.5	4.5	5.5	7.0	6.0	4.0	1.0	3.0	4.5	5.0	6.0	4.5	6.5
10	5.0	6.0	5.5	4.0	4.5	4.5	2.5	3.0	2.0	1.5	2.5	2.0	2.0	4.5	5.0	6.5	7.0	5.0	3.0	2.5	3.0	4.0	5.0	5.5	4.0	7.0
11	3.5	4.5	4.0	3.0	3.5	3.0	3.0	3.0	2.5	2.0	3.0	3.0	4.5	4.5	4.5	7.0	6.0	5.0	4.5	3.0	2.5	3.5	4.5	5.0	4.0	7.0
12	6.5	4.0	4.5	3.0	3.5	3.5	2.5	2.0	2.5	2.5	1.5	4.0	3.5	3.5	4.5	4.0	5.5	5.5	7.0	6.5	3.5	3.0	2.0	1.5	3.5	6.5
13	2.5	4.5	3.5	3.0	2.5	1.5	2.5	3.5	2.0	2.0	1.5	2.5	2.5	3.5	4.5	4.0	5.5	5.5	7.0	6.5	3.5	1.5	2.5	1.0	3.5	7.0
14	2.0	4.0	2.5	2.5	2.5	3.0	2.0	1.5	2.5	3.0	3.5	3.5	3.5	4.5	4.0	4.5	4.5	6.5	4.0	2.5	2.0	3.5	2.0	2.5	3.0	6.5
15	5.0	3.5	3.5	2.0	2.5	1.0	2.0	2.0	1.0	2.5	3.0	3.0	3.0	4.0	5.0	5.0	9.0	6.5	4.5	2.5	2.0	3.5	2.0	2.5	3.0	6.5
16	4.0	2.5	1.5	2.0	1.5	3.0	4.0	2.5	4.0	3.0	2.0	3.0	2.0	2.5	3.5	4.0	4.0	5.0	3.0	2.0	2.5	2.5	1.5	1.5	3.0	5.0
17	2.0	2.0	2.5	1.5	2.5	3.5	1.5	3.0	1.5	2.0	4.0	4.0	4.5	5.0	2.5	2.0	3.0	5.5	3.0	2.0	2.0	2.0	1.5	1.5	2.5	5.5
18	3.0	3.0	2.5	5.0	2.5	3.5	4.5	3.5	2.5	5.0	12.5	10.0	3.5	9.5	12.0	5.0	11.0	5.5	7.5	5.5	4.5	6.5	5.0	3.5	5.5	12.5
19	3.0	4.5	10.0	10.0	9.5	7.0	4.0	2.5	1.5	2.5	7.5	9.0	7.0	9.0	10.5	13.5	7.0	3.5	4.0	3.5	4.0	3.0	3.0	5.0	6.0	13.5
20	4.0	6.0	9.0	11.5	10.5	4.5	9.5	2.0	2.5	8.5	7.5	9.0	7.0	9.0	10.5	5.5	7.5	5.0	2.5	5.0	5.0	5.0	4.0	3.0	6.5	11.5
21	2.5	3.0	5.5	4.0	4.0	2.0	3.0	2.5	2.0	3.5	11.0	12.0	3.5	12.5	12.5	9.5	8.5	6.5	8.0	4.5	4.5	3.0	3.5	2.0	5.5	12.5
22	3.0	2.0	3.5	4.5	5.5	4.5	4.5	4.0	3.0	6.5	6.5	7.5	13.0	6.0	9.0	6.0	7.5	5.5	2.0	4.5	6.5	5.5	8.0	3.0	5.5	13.0
23	4.0	2.0	2.5	7.5	6.5	4.0	4.5	6.5	2.0	3.0	2.5	11.0	11.5	6.0	5.0	5.0	5.0	5.5	7.5	8.5	10.0	5.5	7.0	7.5	6.0	11.5
24	6.5	3.5	4.0	5.0	5.5	3.5	4.0	5.0	3.5	3.5	3.5	4.0	5.0	5.0	6.5	5.0	3.0	1.5	2.0	3.0	6.0	8.5	5.5	6.0	4.5	8.5
25	6.5	5.5	7.0	5.5	5.0	3.5	4.0	5.5	5.0	5.0	4.5	4.5	4.5	4.5	5.0	4.5	4.5	7.0	4.5	4.0	3.0	5.0	5.5	5.0	7.0	6.5
26	5.5	5.5	6.5	5.5	4.0	2.5	3.5	3.5	3.0	2.5	4.5	5.0	4.0	4.5	4.0	4.5	4.0	5.0	3.0	1.5	4.0	5.0	5.5	5.5	4.5	6.5
27	4.5	7.5	7.0	4.5	3.0	3.0	5.5	5.5	2.0	3.0	3.0	3.5	4.5	5.0	6.5	6.5	6.5	6.0	3.0	4.0	4.5	5.5	5.5	6.5	5.0	7.5
28	6.0	6.0	4.0	5.5	4.5	3.5	4.5	4.0	5.5	3.5	4.0	5.5	7.0	6.5	6.5	3.5	5.0	2.5	2.5	9.0	12.0	6.5	7.0	8.0	5.5	12.0
29	5.5	7.0	3.5	6.0	7.5	4.5	7.5	4.0	3.5	6.5	6.0	6.5	5.0	5.0	4.5	5.0	12.0	12.0	8.0	7.5	3.5	4.5	4.5	7.5	6.5	12.0
AV	4.0	4.5	4.5	4.5	4.5	3.5	4.0	3.5	3.0	4.0	4.0	5.0	5.0	5.5	6.0	5.5	6.0	5.5	4.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5
30	1.5	2.0	2.0	2.5	2.0	1.0	1.5	1.5	1.0	1.5	2.5	2.5	2.5	3.0	2.0	2.0	2.5	2.0	2.0	2.0	2.5	2.0	2.0	2.0	2.0	1.0

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONARZA, UTAH
 SITE 6
 MAR, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.0	10.5	7.5	3.0	6.0	5.0	4.0	4.5	6.5	4.5	7.5	7.0	7.0	8.5	5.0	6.0	6.5	3.0	3.5	2.0	5.0	6.0	8.0	7.5	6.0	10.5	
2	4.5	6.5	5.0	2.5	4.0	2.5	3.0	3.5	2.0	3.0	2.5	3.0	5.0	8.5	7.0	4.5	3.5	3.5	3.5	3.0	3.5	4.5	4.5	4.0	4.5	8.5	
3	3.5	2.0	2.5	4.0	2.5	3.0	4.0	3.5	3.0	4.5	2.5	12.0	15.0	19.5	18.0	17.5	15.0	5.0	4.0	4.0	3.5	2.0	4.5	7.0	6.5	19.5	
4	8.5	11.0	5.5	6.5	5.0	5.5	5.5	4.0	2.0	2.5	3.0	5.0	10.5	14.0	10.0	12.0	17.5	19.0	16.5	9.0	6.5	6.5	4.0	6.5	8.0	19.0	
5	8.5	6.0	7.0	5.5	3.0	3.5	3.0	3.5	3.5	5.5	13.5	16.0	15.0	17.0	19.0	17.0	16.5	15.5	18.0	16.0	12.0	15.5	11.5	6.5	11.0	19.0	
6	11.0	7.5	10.0	16.0	8.5	9.5	8.5	9.0	4.0	2.5	3.0	6.0	5.5	2.5	5.0	2.5	4.0	3.5	6.0	4.5	4.0	2.5	1.5	4.0	6.0	16.0	
7	2.5	2.0	1.5	3.0	4.0	6.0	3.0	3.0	3.0	2.0	7.0	9.5	10.5	8.0	6.5	5.0	6.0	6.0	4.0	7.0	7.5	3.0	4.0	5.0	5.0	10.5	
8	4.0	2.5	4.0	3.5	4.0	7.5	8.0	4.5	4.0	5.0	8.0	11.5	12.5	11.0	11.0	9.0	8.5	7.0	6.0	7.0	4.5	4.5	5.5	6.0	6.5	12.5	
9	4.0	7.5	6.5	5.5	8.0	8.0	6.5	5.0	5.0	7.0	8.0	12.0	14.0	14.0	14.0	12.5	10.0	7.0	6.0	7.0	7.0	7.0	8.0	8.5	8.0	14.5	
10	9.0	6.0	6.0	7.5	5.5	5.0	4.5	4.0	3.0	3.5	5.0	6.5	8.0	7.0	5.5	6.0	6.5	7.0	4.5	3.5	3.5	5.0	7.5	4.5	5.5	9.0	
11	6.0	7.0	5.5	6.5	6.5	3.0	4.0	3.0	2.5	1.5	2.5	4.0	3.0	4.0	6.0	12.5	14.0	8.5	9.5	10.5	10.5	10.5	12.0	5.0	6.5	14.0	
12	5.5	15.0	15.0	19.0	22.0	18.0	20.5	19.5	13.5	13.5	20.5	17.5	17.5	15.5	15.0	13.0	14.0	14.0	7.0	4.5	6.0	3.5	7.5	8.0	14.0	22.0	
13	7.5	5.5	5.0	8.0	6.5	5.0	4.5	3.5	4.5	3.5	4.0	5.5	6.5	8.0	8.0	7.5	5.5	4.5	6.5	4.5	4.5	4.5	2.5	4.0	5.5	8.0	
14	4.0	6.0	5.5	4.0	5.0	5.5	5.5	4.5	4.0	4.0	4.5	6.0	9.5	10.0	7.0	15.5	16.5	14.0	8.0	5.0	11.0	6.5	4.5	4.0	2.5	7.0	16.5
15	3.5	4.5	5.0	5.0	3.5	3.5	4.0	3.5	3.0	3.5	4.0	10.5	12.5	7.5	14.5	17.0	14.0	13.0	11.5	5.0	4.5	4.5	17.5	14.0	8.0	17.5	
16	12.5	18.5	16.5	12.0	12.5	7.5	5.0	9.0	5.0	12.0	15.0	13.5	17.0	18.5	17.0	16.0	18.0	17.0	14.0	7.5	5.0	5.5	6.0	7.5	12.0	18.5	
17	6.0	5.5	5.5	6.5	4.5	6.0	5.5	4.5	4.0	3.5	4.0	5.5	7.5	11.0	9.5	8.5	6.5	11.0	8.5	11.5	14.0	10.5	7.5	4.5	7.0	14.0	
18	6.5	5.0	6.0	6.5	4.5	3.5	3.0	2.5	3.0	3.5	5.0	7.0	8.5	8.5	7.5	9.5	7.5	8.0	4.0	4.5	6.5	7.0	9.5	4.5	6.0	9.5	
19	7.5	7.0	8.0	7.5	5.0	4.5	6.5	5.0	3.5	4.0	9.0	11.0	13.0	13.0	14.5	14.0	12.0	16.0	16.0	10.5	5.0	4.0	2.0	3.5	8.5	16.0	
20	4.5	5.5	4.5	5.0	7.5	5.0	6.5	4.5	3.5	3.0	4.5	5.5	5.0	5.5	7.5	8.5	13.5	9.5	10.5	10.5	11.0	9.5	5.0	3.0	6.5	11.5	
21	5.0	5.5	4.0	4.0	4.0	2.5	2.5	6.5	17.0	22.0	21.5	20.0	20.0	20.0	20.0	19.0	21.0	15.5	10.0	6.0	2.5	9.5	9.0	4.5	11.0	22.0	
22	7.5	5.0	4.0	4.0	5.0	2.5	2.5	6.0	6.5	5.5	10.0	13.5	15.0	13.5	13.5	13.5	11.0	9.0	6.0	6.0	4.5	4.5	2.5	3.0	7.5	15.0	
23	7.0	5.0	6.0	5.0	2.5	2.5	2.5	2.5	4.0	8.0	6.5	5.5	7.0	9.0	7.0	6.0	4.5	3.5	4.0	7.0	5.0	3.0	3.0	3.0	5.0	9.0	
24	5.0	6.0	7.5	8.0	5.0	3.5	4.5	3.0	3.0	4.0	4.0	15.0	15.5	14.5	15.0	17.0	13.0	14.5	9.5	11.0	8.0	3.5	3.0	2.5	8.0	17.0	
25	3.5	5.0	4.5	5.5	5.0	2.5	2.5	2.5	4.5	5.0	4.0	3.0	6.5	3.5	3.5	3.5	5.5	7.0	7.5	4.5	4.5	5.5	4.5	6.0	4.5	7.0	9.0
26	8.0	3.0	3.5	2.5	3.5	3.5	3.0	3.5	2.0	2.5	3.5	5.0	7.0	6.5	8.0	10.5	16.5	15.0	9.5	6.0	6.0	4.0	3.0	1.0	6.5	16.5	
27	10.5	7.0	5.0	4.5	6.5	6.0	6.5	4.0	3.0	3.5	3.5	5.0	7.0	6.5	8.0	10.5	16.5	13.0	7.0	8.5	7.5	6.5	2.0	2.0	8.5	22.0	
28	1.5	2.5	4.5	5.5	3.5	2.0	1.0	4.0	4.5	10.5	19.5	22.0	21.0	18.5	19.5	16.5	13.0	7.0	8.5	7.5	6.5	2.0	2.0	6.5	8.0	9.0	
29	2.5	1.5	4.5	2.5	3.5	4.5	5.0	3.5	3.5	4.5	7.5	8.5	5.5	5.5	4.5	7.0	4.5	4.5	4.5	5.0	9.0	7.0	6.5	8.0	5.0	9.0	
30	6.5	7.5	3.5	4.0	4.5	4.0	5.0	5.5	6.5	6.5	8.0	14.5	23.0	19.0	18.5	20.0	11.0	5.0	7.5	6.0	4.5	5.0	6.0	6.0	8.5	23.0	
31	6.0	7.5	10.5	7.5	7.5	8.0	8.0	8.5	4.0	3.0	3.5	5.0	4.5	5.5	6.0	5.5	4.5	6.0	3.5	4.5	1.5	4.0	7.5	7.5	6.0	10.5	
AV	6.0	6.5	6.0	6.0	6.0	5.0	5.0	4.0	5.0	6.5	9.0	10.5	10.5	11.0	11.0	11.0	10.0	8.0	6.5	6.5	6.5	6.0	6.0	6.0	7.0	7.0	
SD	2.5	3.5	3.0	3.5	3.5	3.0	3.5	3.0	2.5	3.5	5.0	5.0	5.5	5.5	5.0	5.0	4.5	4.0	4.0	3.0	3.0	2.5	3.5	3.0	2.0	2.0	

ABOUT (29 JAN 81)

WIND SPEED ICC1011
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

WHITE RIVFR SHALE PROJECT, #139
 HONAN7A, UTAH
 SITE 6
 APR, 1980
 AERHOVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.0	5.5	5.0	3.5	3.5	7.5	6.0	5.0	7.0	5.0	5.5	4.5	4.5	6.0	5.5	5.0	5.0	5.0	6.0	9.0	14.5	16.5	14.0	10.5	7.0	16.5	
2	11.5	4.5	6.0	7.5	7.0	6.0	7.5	5.0	4.5	4.5	7.0	9.0	8.5	6.5	9.5	10.5	8.5	7.0	6.0	5.5	4.0	4.5	9.5	8.5	7.0	11.5	
3	10.0	10.0	9.5	8.0	6.0	6.0	6.0	3.5	3.5	3.5	3.5	4.5	4.5	6.5	7.0	6.0	4.5	5.0	6.0	4.5	3.5	4.5	3.5	3.5	6.0	10.0	
4	3.5	2.0	2.5	3.5	4.5	4.0	6.0	4.0	2.5	4.0	4.5	5.0	5.0	5.5	5.0	8.0	8.5	7.5	7.0	9.0	10.0	10.0	6.0	5.5	5.5	10.0	
5	6.0	8.5	6.0	5.5	3.5	5.0	2.5	5.5	4.5	3.0	3.5	8.5	11.0	17.0	17.0	16.0	14.0	9.5	14.5	9.0	7.0	6.0	7.0	6.5	8.0	17.0	
6	5.0	11.0	14.5	13.5	8.0	9.0	5.0	4.0	6.5	7.0	8.0	19.5	16.0	21.0	24.0	26.5	24.0	23.5	18.5	6.5	3.5	10.0	11.0	4.5	12.5	26.5	
7	3.5	15.0	10.0	5.5	9.5	17.0	17.0	20.5	19.5	19.5	23.5	27.0	22.0	17.0	16.5	20.0	21.5	19.5	20.0	17.0	11.5	4.0	4.5	7.0	15.5	27.0	
8	7.5	7.0	5.0	5.0	4.0	4.5	3.0	2.0	3.5	4.0	4.5	5.0	6.5	9.5	8.5	7.5	5.0	3.5	4.5	6.0	9.0	3.5	2.5	4.5	5.0	9.5	
9	7.0	6.5	6.0	5.5	5.0	5.5	5.0	3.0	2.5	2.5	4.5	6.0	7.5	6.0	15.5	15.5	16.5	16.0	11.0	8.5	7.5	2.5	3.5	5.0	7.5	16.5	
10	4.0	5.0	3.0	4.0	3.5	3.5	14.0	19.5	16.5	9.5	14.0	20.5	23.0	25.0	23.5	25.0	25.5	23.5	21.5	18.5	10.0	6.5	10.0	7.0	14.0	25.5	
11	5.0	3.5	3.0	2.5	2.0	3.5	6.0	2.5	3.0	7.0	11.5	18.5	17.0	21.0	21.0	20.0	21.5	20.0	16.5	12.5	11.5	14.0	14.5	12.0	11.0	21.5	
12	10.5	5.0	3.5	5.0	5.0	4.5	5.5	3.0	3.0	4.5	7.0	8.0	9.0	9.5	11.0	15.5	15.5	17.5	16.5	15.5	11.5	10.0	8.5	7.0	9.0	17.5	
13	4.5	4.0	5.5	4.5	5.0	6.0	3.5	3.5	4.5	4.0	5.0	4.5	4.5	6.5	5.0	5.0	4.5	3.5	2.5	4.0	8.5	9.5	10.0	6.5	5.0	10.0	
14	6.0	6.5	4.0	5.5	4.5	5.5	4.0	3.0	3.0	3.5	4.5	4.5	5.5	5.5	7.0	6.5	4.5	4.0	2.0	5.5	10.0	6.0	6.5	5.5	5.0	10.0	
15	7.5	5.5	8.0	5.5	6.5	5.5	4.0	4.0	3.0	5.0	5.0	11.5	11.0	15.0	14.5	17.0	22.0	20.5	20.0	19.0	13.0	5.0	5.5	10.0	22.0	10.0	
16	5.0	9.5	12.0	8.5	6.0	5.0	7.0	5.5	3.0	4.0	5.0	5.5	7.0	8.0	9.0	8.0	7.5	6.5	6.0	4.0	7.5	9.5	9.5	9.0	7.0	12.0	
17	8.5	8.0	8.5	6.5	7.0	4.5	5.0	2.5	2.5	3.5	5.0	4.5	5.5	5.0	6.0	6.0	4.5	5.0	6.5	5.5	8.5	7.5	11.0	8.5	6.0	11.0	
18	6.5	6.5	7.5	9.0	8.0	4.5	4.5	2.5	2.5	3.0	3.0	5.5	6.5	6.0	8.5	10.5	10.5	9.5	14.0	9.5	6.0	5.5	9.0	8.0	7.0	10.5	
19	5.5	6.5	7.0	5.0	5.0	6.0	5.0	3.0	2.5	3.0	4.5	4.5	6.5	8.5	9.0	12.0	5.5	14.0	9.5	8.5	11.5	5.0	6.0	10.5	7.0	14.0	
20	6.0	5.5	8.0	7.5	6.0	6.5	4.0	2.5	3.5	3.5	5.5	7.0	10.0	11.5	15.0	15.0	14.5	13.0	9.5	8.5	11.5	12.5	11.0	12.0	8.5	15.0	
21	12.5	10.5	12.5	13.0	13.5	12.0	13.0	14.5	16.5	18.0	17.0	11.5	9.5	8.5	10.5	6.5	7.5	8.5	8.0	5.5	4.0	5.0	3.5	2.0	10.0	14.0	
22	3.5	5.0	4.5	2.0	3.5	3.5	6.0	4.5	3.0	4.0	6.0	6.5	8.5	10.5	16.5	14.5	17.0	14.0	14.5	14.0	3.5	9.5	11.0	5.5	4.0	17.0	
23	4.5	5.0	5.0	6.0	5.0	4.5	3.5	3.5	8.5	5.5	5.0	8.0	17.0	9.5	10.5	15.0	13.5	7.5	4.5	3.5	5.5	6.0	11.0	5.5	7.5	17.0	
24	6.0	5.0	4.5	4.0	3.5	4.5	5.0	3.0	4.0	5.5	5.0	8.0	8.5	8.0	3.5	7.5	11.0	12.5	10.5	9.5	7.5	9.5	9.0	5.0	6.5	12.5	
25	8.0	6.0	9.5	5.5	4.5	7.5	4.0	5.5	7.5	7.5	7.5	8.5	10.5	11.0	12.5	14.5	13.0	11.5	10.0	12.0	9.5	9.0	11.5	9.0	14.5	9.0	14.5
26	7.0	4.5	4.5	6.5	8.0	6.0	3.0	5.0	4.0	7.0	7.0	6.0	8.0	7.0	6.0	7.0	6.5	4.5	6.5	5.0	4.0	8.5	7.0	6.0	6.0	8.5	
27	5.0	10.0	10.0	8.0	6.5	7.0	4.0	3.0	4.0	3.5	5.0	4.5	6.0	6.5	7.0	7.5	6.0	5.5	6.5	5.0	8.0	4.0	2.5	5.5	6.0	10.0	
28	4.0	6.0	6.5	5.0	5.5	4.0	3.0	3.0	4.0	4.5	5.5	6.0	9.5	10.5	17.0	14.0	11.0	5.5	3.5	4.5	6.5	10.5	5.0	5.5	6.5	17.0	
29	7.0	7.5	7.0	6.0	4.5	6.0	3.5	3.0	3.0	3.5	5.0	11.0	14.0	13.5	11.0	15.5	17.0	9.5	10.0	10.0	8.5	6.5	5.0	8.0	8.0	17.0	
30	7.0	7.5	4.0	4.0	4.0	1.5	2.0	4.0	2.5	2.5	4.0	8.5	9.0	7.0	6.0	6.5	4.5	4.0	7.5	11.0	8.5	7.0	5.5	5.0	5.5	11.0	
AV	6.5	7.0	7.0	6.0	5.5	6.0	5.5	5.0	5.5	7.0	8.5	9.5	10.5	11.5	12.0	11.5	11.0	11.0	10.0	9.0	8.5	8.0	8.0	7.0	8.0	8.0	11.0
SD	2.5	2.5	3.0	2.5	2.5	3.0	3.5	4.5	4.0	4.5	5.0	5.0	5.0	5.5	5.5	5.5	6.5	6.0	5.5	4.5	3.5	3.5	3.0	2.5	2.5	2.5	

WIND SPEED 1CC1011

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA UUTAM
SITE 6

MAY, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6.5	6.5	5.5	4.0	3.5	3.5	3.0	5.5	9.5	8.5	10.0	10.0	9.5	10.5	8.5	10.5	6.5	3.5	6.5	9.0	5.0	5.5	4.0	5.5	7.0	10.5	
2	4.0	3.5	4.0	5.0	2.5	3.0	2.5	3.0	3.5	3.5	5.0	6.0	17.0	11.5	10.5	11.5	14.0	6.5	6.0	6.0	6.0	7.5	6.0	5.5	6.5	17.0	
3	7.0	7.0	4.5	4.0	5.0	8.0	6.5	4.0	2.5	3.5	3.5	6.0	6.0	7.5	7.0	5.0	5.5	12.0	9.0	9.5	10.5	7.0	5.0	6.5	6.5	12.0	
4	4.5	7.5	5.0	5.0	5.0	4.0	6.0	4.0	3.5	3.5	5.0	4.5	5.5	7.5	12.5	12.0	9.5	10.0	11.5	8.5	9.5	8.5	9.0	12.0	7.0	12.5	
5	8.5	5.5	4.0	4.0	6.5	8.5	4.0	4.5	2.5	4.0	5.0	4.5	6.0	8.0	11.5	15.5	11.5	6.0	7.5	6.0	6.0	6.5	6.0	6.0	7.0	15.5	
6	5.5	5.0	7.0	9.5	9.0	6.5	4.0	3.5	4.0	4.0	5.0	6.5	11.5	12.5	17.0	10.5	10.5	8.5	6.5	6.5	3.0	8.0	4.0	2.5	7.0	17.0	
7	3.5	5.0	4.5	3.0	2.5	3.0	4.0	1.5	2.5	4.5	6.5	16.5	16.0	12.5	9.0	7.5	11.0	11.5	12.5	9.0	6.5	4.0	4.0	6.5	7.0	16.5	
8	5.5	2.5	1.0	2.0	2.5	2.0	1.5	3.5	3.0	3.5	4.5	7.0	6.0	7.0	5.0	5.0	8.0	10.5	13.5	17.5	14.5	9.5	17.5	8.0	6.5	17.5	
9	4.0	7.5	3.5	4.0	7.0	4.0	2.5	3.5	5.0	17.5	19.0	21.5	15.5	18.5	18.0	17.5	9.0	6.5	5.5	6.0	5.0	5.0	4.0	4.0	9.0	21.5	
10	3.5	3.5	5.0	3.0	4.0	6.0	3.0	3.5	16.5	14.0	12.0	20.5	21.0	20.5	24.5	22.5	17.5	19.0	9.5	6.0	7.5	4.5	6.0	3.5	10.5	24.5	
11	3.5	2.5	6.5	3.0	10.0	10.0	6.0	4.0	4.5	5.0	5.5	6.5	10.5	17.0	7.5	12.0	5.5	6.0	3.5	6.0	3.5	13.5	10.0	4.0	7.0	17.0	
12	8.0	10.0	4.0	3.0	3.0	4.0	8.0	7.0	13.0	11.5	13.0	12.0	14.0	12.0	9.5	12.5	12.5	10.0	8.5	6.5	3.0	3.5	2.0	2.5	8.0	14.0	
13	2.0	4.0	4.0	7.0	6.0	6.0	4.5	6.5	5.0	5.0	5.5	6.5	5.0	6.5	4.5	5.0	20.5	15.0	7.0	7.5	10.0	11.0	8.0	6.5	7.0	20.5	
14	7.5	8.5	9.5	7.5	5.0	5.5	6.5	3.0	3.0	3.5	4.0	3.5	4.5	4.0	10.0	11.5	11.5	13.0	10.5	8.0	10.0	5.5	5.5	4.5	7.0	15.0	
15	5.0	5.0	8.0	8.5	5.5	4.5	3.5	4.5	3.5	3.5	4.0	5.5	6.5	7.5	5.5	5.0	6.0	4.0	2.5	11.0	7.0	4.5	6.0	9.5	5.5	11.0	
16	5.0	4.5	3.5	6.5	4.5	5.5	4.0	1.5	3.0	7.5	5.5	10.0	13.5	9.5	7.5	10.0	13.5	12.5	16.0	5.5	6.5	6.5	8.5	8.0	7.5	16.0	
17	10.0	10.0	6.0	13.5	12.0	9.0	4.5	12.5	10.0	4.5	3.5	4.0	4.5	7.0	4.0	4.0	4.0	4.5	3.0	3.5	3.5	4.5	5.0	9.0	6.5	13.5	
18	9.5	5.5	6.5	5.5	5.0	5.0	5.0	3.5	3.0	4.0	5.0	5.0	6.5	5.5	4.5	4.5	4.0	4.0	4.0	5.0	5.0	10.0	12.5	8.0	5.5	12.5	
19	7.0	9.5	5.5	8.5	9.5	6.5	5.0	4.0	3.5	5.0	5.5	6.0	7.5	6.5	5.5	6.0	5.0	5.5	4.5	5.0	5.0	7.0	10.5	10.0	6.5	10.5	
20	5.5	8.0	7.0	7.0	7.0	6.5	6.0	4.5	2.5	3.5	4.0	5.0	5.0	5.5	7.0	6.0	6.0	4.0	5.0	5.0	8.5	9.5	10.5	10.0	6.0	10.0	
21	8.0	6.0	5.5	6.5	9.0	6.0	4.5	3.0	3.5	3.5	4.0	4.5	6.5	5.0	5.0	5.0	4.0	3.5	4.5	6.0	10.5	12.0	10.0	6.0	12.0		
22	7.0	6.5	5.5	5.0	4.5	5.5	3.5	3.0	4.5	3.0	4.0	5.5	7.0	15.0	13.5	17.0	15.0	17.0	17.5	12.0	13.5	5.0	10.0	11.5	9.0	17.5	
23	12.0	3.5	7.5	9.5	9.5	12.5	13.5	19.0	17.0	20.5	19.5	19.5	18.5	18.0	19.5	17.5	19.5	22.0	12.5	7.5	7.5	7.5	11.0	14.0	14.5	22.0	
24	14.5	15.0	16.5	16.5	14.5	11.5	17.5	25.5	23.0	23.5	25.0	23.0	22.0	23.0	19.5	17.0	19.5	13.5	15.0	20.5	18.0	17.0	12.5	12.0	18.0	25.5	
25	9.0	10.5	13.0	7.5	4.0	10.0	12.5	13.0	14.5	16.0	16.5	17.0	18.0	17.0	16.5	16.0	9.5	9.5	7.5	6.5	8.0	4.0	4.0	4.5	11.0	14.0	
26	5.0	5.0	6.5	5.5	4.5	4.0	4.0	5.0	4.5	4.5	5.0	7.0	13.5	14.0	12.5	13.0	16.0	16.0	6.5	5.5	4.5	4.5	6.0	9.5	8.0	16.0	
27	9.0	7.0	6.5	7.0	4.0	3.0	2.0	3.0	9.5	19.0	18.5	18.0	17.5	17.0	17.0	17.0	17.0	15.5	18.0	9.5	8.0	7.0	8.0	7.0	11.0	19.0	
28	5.5	5.0	5.5	5.0	6.5	3.0	3.5	17.0	19.0	16.0	17.0	16.5	17.0	15.5	17.5	18.5	17.0	15.5	8.5	6.0	6.0	6.0	6.0	10.0	11.0	19.0	
29	12.5	12.0	7.0	5.0	6.5	7.5	8.0	13.0	5.0	4.5	10.5	9.5	12.5	13.0	13.5	11.0	9.0	10.5	9.5	10.0	9.5	11.0	6.0	4.5	9.5	13.5	
30	4.5	6.0	6.0	6.0	5.0	3.5	3.0	4.0	5.0	5.0	5.0	7.0	8.5	9.0	13.0	14.5	13.0	12.0	15.5	13.0	9.0	6.0	11.0	10.0	8.0	15.5	
31	9.0	6.0	8.5	7.0	6.5	5.0	5.5	14.0	8.5	6.0	5.5	9.5	9.5	7.0	7.5	11.0	14.0	14.0	11.0	10.5	6.0	5.0	11.5	4.0	4.5	14.0	
AV	7.0	6.5	6.0	6.5	6.0	6.0	5.5	6.0	6.5	8.0	8.5	9.5	10.5	11.0	11.5	11.5	11.0	9.5	9.0	7.5	7.5	6.0	7.5	6.0	7.5	8.0	11
SD	3.0	3.0	3.0	3.0	3.0	2.5	3.5	5.5	5.0	6.0	6.0	5.5	5.5	5.0	5.5	5.5	5.0	4.5	5.0	4.0	3.5	3.0	3.5	3.0	2.5	1	1

WIND SPEED ICC1011
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUN, 1980

 * FINAL DATA *
 * AS OF 31/MAR/81 *

AEROENVIRONMENT INC.

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	7.5	8.0	9.5	9.0	8.5	7.0	4.5	4.5	4.5	6.0	7.0	11.0	14.0	9.0	13.5	12.5	8.0	6.5	16.0	11.0	8.0	9.5	8.0	10.5	9.0	16.0
2	9.0	8.5	5.0	4.5	4.0	4.5	3.5	4.0	13.5	17.5	14.0	14.0	17.0	17.5	19.0	18.0	19.5	19.5	18.0	15.5	8.0	8.5	10.0	11.0	12.0	19.5
3	10.5	11.5	11.5	8.0	8.5	9.5	8.5	12.0	20.0	20.0	19.5	22.0	20.5	20.0	19.5	19.5	17.0	19.0	15.0	11.0	8.0	11.5	13.0	12.5	14.5	22.0
4	10.0	12.0	14.5	11.5	12.0	9.0	2.5	5.0	17.0	20.0	21.5	19.5	19.0	20.5	20.5	20.0	19.5	18.0	18.0	14.5	10.0	12.0	10.5	8.0	14.5	21.5
5	9.5	7.0	7.0	9.5	10.5	10.5	7.0	4.0	4.5	7.0	13.0	17.5	19.0	17.0	18.0	20.0	19.5	18.5	17.5	16.0	13.0	12.5	10.0	8.5	12.5	20.0
6	6.0	3.0	6.0	6.5	3.5	5.0	15.5	16.5	16.0	19.5	20.0	21.0	20.5	19.5	18.5	20.0	19.0	22.0	20.5	17.0	9.5	6.5	5.0	4.0	13.5	22.0
7	4.5	6.0	7.0	6.5	6.5	4.5	2.5	5.0	4.5	5.5	6.0	8.0	8.5	7.0	6.5	7.0	6.5	6.5	9.5	7.0	5.0	8.0	10.0	10.5	6.5	10.5
8	9.5	7.5	5.0	7.0	7.5	7.5	3.5	3.5	3.5	5.0	4.5	4.5	5.0	8.5	7.0	8.0	8.5	10.0	7.0	5.0	6.5	7.0	8.0	7.0	10.0	10.0
9	7.0	7.5	7.5	7.5	9.5	9.5	5.5	3.0	4.5	4.5	4.5	4.5	6.0	7.0	9.0	7.5	8.5	6.0	8.5	7.0	7.0	8.5	11.5	13.0	7.5	13.0
10	10.0	5.0	5.5	10.0	8.0	8.0	4.5	2.5	3.5	5.0	5.5	6.0	11.0	16.5	16.5	18.5	13.5	14.5	12.5	10.5	10.5	13.0	4.5	2.5	9.0	16.5
11	5.0	4.5	4.0	3.5	6.0	4.5	4.0	3.5	4.5	10.0	19.0	21.5	20.5	19.0	19.5	19.5	16.5	15.5	16.0	12.5	13.5	17.0	15.0	14.0	12.0	21.5
12	9.0	6.0	4.0	5.5	9.0	3.0	6.0	9.5	14.0	17.5	17.0	17.5	19.0	18.0	18.5	17.5	17.5	18.0	14.5	14.0	12.5	9.5	3.5	6.0	12.0	19.0
13	7.0	7.0	7.0	6.5	6.5	6.5	5.0	3.0	3.5	5.5	17.0	20.0	20.0	17.5	19.5	17.0	18.0	17.0	15.0	14.5	15.5	10.5	9.5	8.0	11.5	20.0
14	5.5	9.0	3.5	4.0	5.5	4.0	3.0	3.0	10.0	18.5	18.0	19.5	18.5	19.0	19.0	17.0	17.0	17.0	18.5	18.5	20.0	15.5	12.5	10.0	12.5	20.0
15	6.5	6.5	6.0	5.0	5.0	5.0	7.5	4.0	3.5	7.5	8.0	10.5	10.0	10.5	14.0	15.5	12.5	11.5	11.0	10.5	6.0	9.5	4.5	4.0	8.0	15.5
16	7.5	4.5	3.0	4.0	6.0	6.0	6.0	4.0	4.5	4.0	6.5	8.0	6.0	7.0	8.0	8.5	5.5	6.5	5.0	4.0	6.5	11.0	9.5	11.0	6.5	11.0
17	6.0	7.5	7.0	6.5	5.5	6.0	4.0	2.5	3.5	4.5	4.5	5.0	5.5	8.0	8.5	9.5	7.5	5.0	2.0	2.5	7.0	6.5	8.0	10.5	6.0	10.5
18	7.5	5.0	5.0	7.0	4.5	6.0	4.0	3.5	3.5	4.5	7.0	10.0	9.0	5.5	7.0	9.5	10.5	9.0	12.0	6.5	7.0	12.5	5.5	10.0	7.0	12.5
19	7.0	6.5	5.5	7.5	7.5	6.5	7.0	4.0	4.5	6.0	4.5	7.0	9.0	19.0	20.0	18.5	10.5	7.0	5.5	3.5	7.5	7.0	9.5	9.0	8.5	20.0
20	8.0	7.5	7.5	6.5	7.5	7.0	4.5	3.0	3.5	4.5	6.0	7.0	7.0	10.5	13.5	13.0	14.5	9.5	12.0	14.0	11.5	13.0	10.0	4.0	8.5	14.5
21	5.0	4.0	5.5	6.0	8.5	5.5	6.0	4.5	4.5	5.5	8.0	7.0	13.5	17.0	15.0	16.5	16.0	17.0	11.0	7.0	6.5	6.0	8.5	6.5	9.0	17.0
22	5.5	8.5	5.0	4.5	6.0	7.0	5.0	4.0	4.0	4.5	5.5	6.5	9.5	7.0	14.5	14.0	12.5	12.5	11.0	10.5	10.5	11.5	7.5	5.5	8.0	14.5
23	9.5	9.0	15.5	9.5	11.0	13.5	9.5	16.5	21.5	22.5	21.5	21.0	19.5	20.0	23.0	22.5	20.5	19.0	18.5	14.0	11.0	9.5	5.5	6.5	15.5	23.0
24	7.5	9.5	8.5	8.5	6.5	7.0	4.0	2.0	4.5	3.0	7.5	15.5	15.5	17.0	14.0	15.5	14.0	16.5	15.5	9.5	14.5	11.5	11.0	13.5	10.5	17.0
25	8.5	6.5	5.0	3.5	7.0	6.0	2.5	2.5	8.0	6.5	15.0	16.0	18.5	16.5	16.5	17.0	17.5	18.5	17.0	16.0	15.0	9.5	11.0	10.5	11.5	18.5
26	6.5	8.0	7.0	5.0	3.5	6.5	4.0	4.0	9.0	18.0	19.5	20.0	18.0	20.0	19.5	17.5	18.0	17.0	16.0	13.0	14.0	11.5	3.5	12.5	20.0	20.0
27	9.5	13.0	13.5	8.5	8.5	9.0	10.0	9.0	6.0	6.5	7.0	9.5	14.0	15.0	15.5	17.0	18.5	17.5	17.5	14.5	8.5	4.5	3.0	6.5	11.0	18.5
28	6.5	10.0	8.5	8.0	5.5	8.0	4.0	4.5	6.5	4.0	5.5	6.0	7.5	8.0	9.5	8.0	7.5	6.0	4.0	3.0	6.5	5.5	2.5	9.0	6.5	10.0
29	7.0	7.0	6.0	5.0	7.0	8.5	6.0	5.5	6.0	5.0	6.0	11.0	14.5	10.0	9.0	9.0	13.5	21.0	8.5	5.0	12.0	7.0	7.5	8.0	8.5	21.0
30	6.5	5.5	3.5	3.0	4.0	4.0	5.0	5.0	11.5	10.0	6.5	12.5	12.0	8.0	6.5	7.5	6.5	7.5	6.5	4.5	13.5	9.0	10.5	7.0	7.5	13.5
AV	7.5	7.5	7.0	6.5	7.0	7.0	6.0	5.5	7.5	9.0	11.0	12.5	13.5	14.0	14.5	14.5	14.0	13.5	13.0	10.5	10.0	10.0	8.5	8.5	10.0	11.0
SD	1.5	2.5	3.0	2.0	2.0	2.0	3.0	3.5	5.0	6.0	6.0	6.0	5.5	5.0	5.0	5.0	4.5	5.0	4.5	4.5	3.5	3.0	3.0	3.0	2.5	1.0

WIND SPEED ICC1011

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

JUL, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.0	5.0	6.5	4.5	6.5	4.5	4.0	5.5	4.0	7.0	7.5	4.5	4.5	6.0	10.0	17.0	6.5	12.5	14.0	13.5	8.5	9.5	6.5	4.0	7.5	17.0
2	4.0	3.0	3.5	4.5	5.0	6.0	2.5	5.0	3.5	3.0	3.5	4.5	10.5	10.0	4.5	6.0	5.0	3.5	9.0	11.0	10.0	10.5	10.5	7.5	6.0	11.0
3	7.5	5.5	4.5	6.0	4.5	3.5	3.0	2.5	4.0	5.0	5.5	6.5	7.5	6.0	6.0	7.5	12.5	10.0	10.0	6.5	6.5	6.0	4.0	6.5	6.0	12.5
4	6.0	5.5	13.0	20.0	15.0	12.0	14.0	8.0	5.5	5.5	5.0	7.0	8.5	11.0	8.5	5.5	7.5	6.0	7.0	7.0	9.0	8.0	12.5	6.5	9.0	20.0
5	6.5	6.0	5.0	5.0	5.5	7.0	4.5	3.5	4.0	5.0	8.0	9.5	16.5	17.0	15.0	17.0	15.0	15.0	15.5	7.0	10.5	14.5	5.0	9.0	17.0	
6	3.5	4.5	5.0	7.0	7.0	4.0	4.5	3.0	3.5	4.0	5.5	5.5	8.0	9.5	13.5	13.5	14.0	19.0	12.0	9.0	5.5	7.0	6.5	7.0	7.5	19.0
7	9.0	9.0	13.5	9.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0	8.0	20.0	22.0	16.0	12.5	15.5	16.0	14.0	12.0	13.0	4.5	2.0	14.0	10.0	22.0
8	11.5	11.5	8.0	5.0	3.5	2.5	4.0	4.0	5.5	9.5	11.0	10.5	9.0	12.0	12.0	15.5	16.0	16.5	21.5	5.0	10.5	6.5	4.5	4.5	9.5	21.5
9	6.0	7.5	9.5	7.0	5.0	4.0	4.0	3.5	4.5	5.0	6.0	6.0	8.5	7.5	5.5	7.5	7.5	7.0	6.5	6.5	9.0	9.5	4.0	5.5	6.5	9.5
10	7.0	8.0	8.0	8.0	5.0	6.0	7.0	3.5	3.5	3.5	5.5	8.0	9.5	15.0	14.5	11.5	13.0	16.0	16.0	13.5	8.5	5.5	4.0	4.0	8.5	16.0
11	4.5	6.0	7.5	8.5	6.5	4.5	4.0	3.5	4.5	4.0	5.5	7.0	9.0	7.0	19.0	17.0	9.5	6.0	4.0	4.5	4.5	4.5	9.5	12.0	7.5	18.0
12	12.5	3.5	4.5	6.5	6.0	5.5	4.5	9.5	12.5	10.0	9.5	13.5	5.0	16.5	18.0	14.5	17.0	9.0	4.5	3.5	11.5	16.0	11.5	5.0	9.5	18.0
13	3.0	3.0	5.5	3.5	3.0	11.0	9.0	3.5	8.0	14.5	9.0	5.5	9.0	16.0	21.5	12.5	19.0	12.5	8.0	11.5	9.0	13.0	9.0	4.5	9.5	21.5
14	3.0	4.0	4.0	5.0	3.5	4.5	4.0	3.5	7.5	11.5	8.5	10.5	13.0	17.0	19.0	18.5	15.5	14.5	14.5	11.0	10.0	7.0	6.5	3.0	9.0	19.0
15	7.0	6.0	4.5	3.5	4.5	6.0	4.0	2.5	3.0	5.0	8.5	11.0	11.5	11.0	14.0	13.5	16.0	14.5	13.0	13.5	10.0	4.5	4.5	11.0	8.5	16.0
16	8.0	8.0	8.5	7.5	9.0	7.5	5.0	3.5	4.5	6.0	5.5	5.5	7.0	10.5	8.5	8.5	8.5	5.0	4.0	3.0	6.5	10.0	12.0	7.0	7.0	12.0
17	9.5	7.5	6.5	9.0	10.5	8.0	4.0	3.5	3.0	6.0	6.5	8.5	8.5	10.0	9.0	12.5	16.5	17.0	13.5	11.0	8.5	4.0	6.0	7.0	8.5	17.0
18	7.0	6.0	3.5	3.0	3.0	5.5	5.5	4.0	4.0	2.5	4.5	6.5	8.5	11.0	8.0	12.5	12.5	9.5	10.5	6.5	10.5	11.0	5.5	6.0	7.0	12.5
19	4.0	3.5	3.0	6.0	5.0	3.5	3.5	4.0	5.0	8.5	10.0	12.0	10.5	14.5	16.5	15.0	14.0	12.0	13.5	14.5	12.5	12.5	5.0	4.0	8.5	16.5
20	7.5	6.5	7.5	7.0	6.0	5.5	4.0	3.0	5.0	4.5	5.0	6.0	6.5	9.0	12.5	12.0	10.0	7.5	7.0	7.0	5.0	5.5	5.0	6.5	6.5	12.5
21	10.0	10.0	8.0	8.0	7.0	6.5	2.5	4.0	6.5	6.0	4.5	7.0	8.0	11.5	10.5	10.5	9.5	9.5	7.0	2.0	4.5	8.0	10.0	8.5	7.5	11.5
22	6.5	12.0	7.0	10.0	4.5	5.0	3.5	3.0	4.0	5.5	6.0	8.5	13.0	11.5	12.5	13.0	13.5	12.0	11.0	6.5	6.5	3.5	4.5	5.5	7.5	11.5
23	8.5	8.5	7.0	3.0	4.5	6.5	6.0	3.5	3.0	4.5	4.5	8.5	6.0	9.5	16.0	20.0	8.5	7.5	6.5	4.0	6.0	7.5	6.0	4.5	7.0	20.0
24	6.0	7.5	7.5	6.5	6.5	5.0	4.5	4.0	5.0	6.0	6.0	6.5	8.0	10.0	13.5	9.5	5.5	13.0	17.0	17.0	17.5	5.5	4.5	6.5	7.5	17.5
25	5.5	6.0	7.5	7.5	6.5	6.5	5.0	5.5	5.0	6.0	5.0	6.5	8.0	10.0	11.5	8.5	8.5	5.0	7.0	8.0	9.5	11.0	11.5	7.0	7.5	11.5
26	6.5	5.5	9.5	7.5	5.5	6.5	6.0	4.0	3.0	6.5	4.0	4.5	7.5	10.0	13.0	12.5	10.0	13.0	7.0	13.5	10.0	5.0	6.5	8.0	7.5	13.5
27	8.0	9.0	8.5	6.5	7.5	7.0	4.5	3.5	3.5	3.5	6.0	5.5	5.5	7.0	8.5	7.5	10.0	7.5	4.5	5.5	4.0	7.5	6.5	6.5	10.5	10.5
28	5.0	8.5	11.0	6.5	8.5	10.5	7.0	3.0	3.5	4.5	6.0	6.5	6.5	10.0	11.5	9.5	8.0	6.5	6.0	3.5	7.0	11.0	12.0	6.0	7.5	12.0
29	5.0	5.0	5.5	9.0	6.0	6.0	4.5	4.5	5.0	4.0	6.5	8.0	10.5	20.0	19.0	8.5	18.5	9.5	9.0	4.0	6.5	8.5	6.5	7.5	8.0	20.0
30	7.5	4.5	3.5	8.0	6.5	5.0	5.0	4.0	4.0	6.0	6.0	7.5	8.0	10.5	10.0	11.5	10.0	11.0	10.0	5.5	4.5	7.5	10.0	10.0	7.5	11.5
31	8.0	7.5	8.0	10.5	7.0	8.0	6.5	4.0	3.5	4.5	6.0	6.0	6.5	4.0	6.0	7.5	8.0	13.0	12.0	11.5	6.0	3.0	4.5	8.0	7.0	13.0
AV	7.0	6.5	7.0	7.0	6.5	6.0	5.0	4.0	5.0	6.0	6.5	7.5	8.5	11.0	12.5	12.0	11.5	11.0	10.0	8.5	8.5	8.0	7.0	7.0	8.0	11.0
SD	2.5	2.5	2.5	3.0	2.5	2.0	2.0	1.5	2.0	2.5	2.0	2.0	3.0	4.0	4.5	3.5	3.5	4.0	4.0	4.0	4.0	3.0	3.0	2.5	1.0	1.0

ADDDT (29 JAN 81)

WIND SPEED (CC1011)
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6

AUG. 1980

AEROPROVEMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PFAP
1	6.5	5.5	7.0	8.5	8.5	7.5	5.5	4.0	3.5	3.5	4.0	6.5	8.5	9.0	11.0	12.0	14.5	17.0	5.5	5.5	10.5	7.5	4.5	6.0	7.5	17.0
2	7.0	6.0	5.0	7.0	9.0	8.0	5.0	4.0	4.5	5.0	5.0	7.5	9.5	14.0	9.0	12.0	10.0	14.0	15.5	9.5	6.0	2.5	3.5	9.0	6.0	15.5
3	6.0	10.0	7.0	7.5	8.0	7.0	2.5	2.5	3.5	3.5	7.0	13.0	20.5	22.0	22.0	23.5	25.0	24.5	22.0	17.5	14.0	16.0	5.5	7.0	12.5	25.0
4	6.0	5.5	4.5	7.5	5.5	4.0	5.0	3.0	3.5	8.5	9.0	12.0	11.5	11.5	12.0	11.5	13.0	16.0	16.5	14.5	8.0	4.0	9.5	10.5	9.0	16.5
5	9.5	13.0	6.5	6.0	5.0	6.5	5.5	3.5	3.5	5.0	6.5	8.5	9.0	8.0	6.5	9.5	15.5	14.5	13.5	9.0	10.0	10.5	9.5	7.5	6.5	15.5
6	4.0	5.0	5.0	3.5	5.5	3.5	5.5	4.5	10.0	8.5	10.0	6.5	9.0	10.0	17.0	16.5	15.5	13.0	11.5	8.5	9.5	11.0	9.0	4.0	6.5	17.0
7	4.5	6.5	8.5	9.0	7.5	4.5	6.0	3.0	4.5	5.0	8.0	8.5	7.0	8.5	6.0	6.0	7.5	6.0	6.0	6.0	6.0	10.0	5.5	6.5	6.5	10.0
8	6.5	7.0	6.0	7.5	7.0	9.0	6.0	4.0	4.0	5.5	7.5	10.5	12.5	15.5	13.0	17.0	17.0	12.5	9.0	4.5	2.5	5.0	8.0	5.0	9.0	17.0
9	8.0	13.0	8.5	5.0	4.5	3.5	3.5	8.5	11.0	12.0	12.5	10.5	10.0	12.0	13.5	17.0	17.0	12.5	9.0	4.5	2.5	5.0	8.0	5.0	9.0	17.0
10	10.5	4.5	7.5	5.5	5.5	5.5	5.0	3.5	4.0	4.0	6.5	15.0	15.5	16.0	16.0	15.5	15.0	14.5	14.5	13.5	12.0	4.0	7.5	7.5	9.5	16.0
11	5.0	4.0	7.5	7.5	7.0	7.0	5.5	3.5	4.0	3.5	4.0	4.5	7.5	6.0	6.5	7.0	5.0	4.0	5.5	7.0	13.0	14.0	12.0	6.5	16.0	18.0
12	6.5	8.0	8.5	6.5	4.5	6.5	4.5	4.0	11.0	10.5	10.0	12.0	13.0	9.0	8.5	13.5	9.5	10.0	8.5	13.0	17.0	14.0	5.0	9.0	17.0	18.0
13	3.0	4.0	5.0	6.5	2.5	7.0	6.0	2.5	2.5	4.0	6.5	7.0	9.0	8.0	17.0	17.0	14.0	14.0	10.5	6.5	10.0	14.0	7.0	5.5	6.0	17.0
14	4.0	5.0	4.5	2.0	4.5	5.5	6.0	6.5	3.5	5.5	5.5	8.0	6.5	7.0	12.5	12.0	10.0	9.5	13.5	16.5	8.5	4.5	5.5	3.5	7.0	16.5
15	5.5	6.0	7.5	13.0	13.5	8.5	6.0	2.0	3.0	4.0	7.5	6.5	15.5	16.5	19.5	18.0	15.5	16.0	7.0	11.0	13.5	6.0	9.0	6.0	10.0	19.5
16	6.5	7.0	6.5	6.0	9.0	6.0	8.0	7.5	4.5	5.0	8.0	9.0	9.0	8.5	11.0	10.5	9.0	5.5	6.0	5.5	10.5	7.5	7.0	5.5	7.5	11.0
17	8.0	8.0	11.0	8.5	7.5	6.5	5.5	4.0	3.0	4.0	4.5	5.0	4.5	7.0	10.0	7.5	7.0	6.0	6.5	8.0	6.0	6.0	6.0	8.0	6.5	11.0
18	6.0	5.0	6.0	5.5	4.5	5.5	4.0	3.5	4.5	4.5	9.0	16.5	17.0	19.5	18.5	20.5	21.0	19.5	17.0	15.0	13.0	11.5	11.0	11.5	12.0	21.0
19	9.5	10.0	13.0	11.0	12.0	13.5	13.0	16.0	19.0	20.5	18.0	20.5	18.5	18.0	23.0	16.5	9.0	22.5	10.5	6.0	8.0	6.0	5.0	4.0	13.5	24.0
20	4.0	6.0	6.5	10.0	9.0	9.5	10.5	8.0	4.5	7.0	5.5	8.0	8.5	10.0	7.0	5.5	4.5	4.5	4.5	4.5	6.0	5.5	5.5	8.5	7.0	10.5
21	12.0	8.5	6.0	8.0	6.5	7.5	7.0	3.5	3.0	4.0	6.0	5.5	5.5	7.0	8.5	8.5	8.0	4.5	5.0	5.0	7.0	11.0	11.0	8.0	7.0	12.0
22	8.0	6.0	7.5	7.5	7.5	7.0	4.0	2.5	2.5	3.5	4.5	4.5	12.5	16.5	19.5	17.0	17.0	17.0	11.5	10.0	11.5	7.0	3.5	9.5	9.5	19.5
23	9.5	7.5	5.5	5.5	4.0	3.5	3.0	3.5	9.0	12.5	16.0	12.0	15.0	16.0	19.0	13.5	5.5	11.5	14.5	11.5	12.5	17.5	8.0	7.5	10.0	19.0
24	4.0	2.5	3.5	3.0	4.0	3.5	4.0	2.0	3.0	4.5	6.0	7.0	8.0	5.5	8.0	10.0	10.0	9.0	12.0	8.5	6.0	5.5	13.5	13.0	6.5	13.5
25	4.0	4.0	7.0	10.0	7.0	4.5	4.5	4.0	3.5	3.5	4.0	13.0	9.0	8.5	7.0	8.5	12.0	5.5	4.0	3.0	6.5	6.0	6.0	4.0	6.5	13.0
26	4.0	5.0	6.5	4.5	5.0	5.0	5.5	6.0	3.5	3.0	3.5	3.5	4.0	5.0	6.0	9.0	15.5	11.0	11.0	5.0	6.0	6.5	8.0	6.5	15.5	13.0
27	6.0	7.5	8.5	7.0	8.5	7.0	6.5	4.0	3.0	4.5	5.0	4.5	5.0	4.5	10.0	15.0	15.0	12.0	7.5	8.5	5.5	3.0	4.0	4.0	7.0	13.0
28	4.5	4.5	3.0	3.5	4.5	4.5	4.5	4.5	4.0	4.0	9.5	17.0	20.0	18.5	19.0	17.5	16.0	13.0	12.5	14.0	13.5	13.5	13.5	10.0	20.0	20.0
29	11.0	10.5	11.5	11.0	7.0	3.0	3.5	3.5	7.5	12.0	11.0	13.5	15.0	16.5	15.0	15.0	15.0	12.0	9.5	11.5	4.0	3.0	3.0	3.0	9.5	19.0
30	4.0	3.0	4.0	4.5	4.0	4.0	5.5	4.0	3.5	4.0	4.0	4.0	8.5	6.5	10.0	18.5	17.5	16.5	20.0	11.0	5.0	3.0	5.0	5.0	7.5	20.0
31	6.0	9.5	7.0	7.0	8.5	7.5	7.5	6.5	3.0	4.0	3.5	3.5	6.0	11.0	12.0	15.0	10.5	8.5	5.5	6.0	8.0	6.5	5.0	6.5	7.5	13.0
AV	6.5	6.5	7.0	7.0	6.5	6.0	6.0	4.5	4.5	6.0	7.0	8.5	10.5	11.5	13.0	13.5	13.0	12.0	10.5	9.0	8.5	7.5	7.0	8.5	7.5	13.0
80	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0	4.5	5.0	5.0	4.5	4.5	5.0	5.0	4.0	3.0	4.0	3.0	3.0	2.0	1.0

WIND SPEED (CCI011)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE A
 SEP. 1980
 AERODIVISION INC.

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 * FINAL DATA
 * AS OF 31/MAR/81
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DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.0	7.5	7.0	9.5	7.0	6.0	10.0	4.5	3.5	3.5	4.0	4.5	6.5	8.0	5.5	6.0	5.0	4.0	2.5	4.0	6.5	5.0	6.5	5.5	6.0	10.0	
2	5.5	9.0	8.0	7.5	5.0	7.0	5.5	3.5	3.0	4.0	4.0	4.5	6.5	8.5	10.0	14.0	17.5	17.0	16.0	10.0	9.5	10.5	8.5	7.5	4.0	8.5	17.5
3	3.5	3.5	3.5	2.5	4.5	7.0	5.5	3.0	2.5	5.5	7.0	7.5	8.0	8.5	11.5	16.0	13.0	12.0	11.5	9.5	6.0	7.5	11.0	7.5	7.5	16.0	
4	9.5	9.0	10.0	10.0	8.0	6.0	7.5	7.5	3.5	4.0	4.0	4.0	5.0	7.0	9.0	8.5	6.0	4.0	2.5	6.5	11.0	9.5	9.5	8.5	7.0	11.0	
5	7.0	7.0	8.0	8.0	6.0	6.0	6.5	5.5	2.5	4.5	4.0	4.5	4.5	6.0	7.0	7.0	6.5	7.0	6.5	4.5	9.0	12.5	7.5	3.0	6.5	12.5	
6	4.0	4.5	3.0	5.0	4.5	7.5	5.5	4.0	5.5	10.5	10.5	9.0	8.0	10.5	12.0	16.0	10.0	8.0	5.0	5.0	10.5	7.5	5.5	9.0	7.5	16.0	
7	7.5	7.0	5.0	7.0	7.5	2.5	2.0	3.0	3.5	8.5	6.0	4.5	3.5	4.5	4.0	3.0	4.5	6.0	5.0	3.0	5.0	4.0	4.5	4.0	5.0	9.5	
8	7.0	5.5	4.5	2.0	2.5	2.5	4.0	2.5	5.5	10.5	7.5	5.5	4.0	4.0	4.0	3.0	4.5	3.5	6.5	4.0	2.0	4.0	5.5	6.0	5.0	10.5	
9	7.0	5.5	4.5	2.0	2.5	2.5	4.0	2.5	5.5	6.0	5.5	3.5	6.5	11.0	10.5	7.0	5.0	5.0	4.0	9.0	5.0	3.5	3.5	2.5	5.5	11.0	
10	3.0	1.5	3.5	4.0	3.5	2.5	3.0	1.5	4.5	3.0	15.5	5.5	6.0	4.0	8.5	4.5	3.5	8.0	8.5	9.0	6.0	4.5	4.5	8.5	8.5	15.5	
11	6.0	5.5	6.5	5.5	5.0	3.5	4.5	4.0	12.5	17.0	15.5	17.0	18.0	15.5	16.0	14.5	6.5	4.0	4.0	10.5	7.0	6.5	6.5	7.5	7.0	9.0	14.0
12	7.0	7.5	6.5	5.0	4.0	4.0	4.0	5.0	4.0	7.5	5.5	4.5	6.5	6.5	5.0	5.5	11.5	9.0	4.0	10.5	7.5	9.0	9.0	9.0	5.5	6.5	11.5
13	4.5	8.5	5.5	3.5	4.0	5.5	5.0	3.0	2.5	4.0	4.0	14.0	19.0	17.5	17.0	17.5	17.0	13.0	10.5	8.0	8.5	11.5	11.0	10.0	9.5	19.0	
14	8.0	7.0	9.0	8.0	5.5	4.0	6.0	5.0	4.5	6.5	15.0	13.5	11.0	9.0	10.0	9.5	6.5	4.5	3.0	7.5	7.5	7.5	5.0	6.5	5.0	7.5	15.0
15	7.0	6.5	5.5	5.5	6.0	6.0	6.0	4.0	4.5	5.0	5.0	5.5	8.0	11.5	13.5	14.0	11.0	11.0	9.0	9.0	5.5	6.5	3.5	2.5	7.5	15.0	
16	4.5	3.0	3.0	3.5	6.0	5.5	6.0	5.0	4.5	8.5	19.0	19.5	16.5	17.0	18.0	16.5	17.0	18.5	17.0	18.5	17.0	13.5	7.0	9.0	6.5	11.0	19.5
17	8.5	8.5	6.0	8.0	8.0	10.0	10.5	6.0	4.0	4.5	8.0	10.0	11.0	12.0	10.0	7.5	6.5	11.0	4.0	4.0	7.0	11.0	9.0	9.5	7.5	14.0	
18	8.5	10.0	10.0	6.0	5.5	5.0	5.0	3.5	3.5	3.5	4.5	4.5	9.5	10.0	18.0	16.0	16.5	13.5	11.5	8.5	13.5	14.5	17.0	13.5	10.0	14.0	
19	12.5	11.0	11.5	13.0	14.0	13.5	13.0	16.0	18.0	16.0	17.5	17.5	19.0	19.5	17.5	13.0	9.5	7.5	9.0	12.5	14.5	14.5	14.0	5.0	13.5	19.5	
20	7.0	4.0	4.0	6.0	9.0	8.5	6.0	4.5	3.0	4.0	5.0	8.0	6.5	6.5	7.5	7.0	5.5	4.0	7.0	9.5	8.0	7.0	11.0	9.0	6.5	11.0	
21	5.0	7.0	5.5	3.0	5.5	4.0	6.5	4.0	3.0	7.0	12.0	13.0	14.5	13.0	19.5	19.5	10.0	9.5	10.0	9.5	11.0	4.0	4.0	4.0	2.5	8.5	19.5
22	2.5	2.5	2.5	2.0	3.0	4.0	3.0	3.5	5.0	7.0	5.5	6.0	6.5	6.0	5.5	5.0	5.0	5.0	6.0	10.0	8.5	10.5	9.0	6.5	5.5	10.5	
23	10.0	7.5	8.5	8.0	6.5	6.0	5.0	5.0	4.0	3.5	4.0	4.5	6.5	8.0	6.5	5.5	5.0	6.0	6.5	4.5	8.0	7.5	4.0	6.5	4.0	10.0	
24	9.0	10.5	11.0	10.0	7.5	8.0	7.5	5.5	3.0	4.0	8.5	14.0	16.0	14.5	8.5	6.5	4.0	2.5	4.5	7.5	9.0	6.0	9.0	9.5	8.0	16.0	
25	8.0	7.0	7.0	4.5	6.0	7.5	5.0	3.0	4.5	4.0	6.5	7.5	6.0	6.5	8.5	7.0	7.5	4.0	4.0	6.5	9.5	10.0	10.0	10.0	6.5	10.0	
26	8.0	9.0	7.5	7.0	8.0	5.0	6.5	4.5	2.5	3.0	4.0	6.0	5.0	5.5	7.0	6.0	6.5	5.0	6.0	7.5	7.0	4.5	8.0	7.5	4.0	9.0	
27	8.5	8.5	8.0	4.5	6.0	4.5	5.0	3.0	3.5	4.0	4.0	4.0	6.5	5.5	6.0	7.5	5.5	5.0	4.0	7.0	10.0	10.0	8.5	7.0	6.0	10.0	
28	10.0	9.0	9.0	7.5	6.0	4.5	5.0	3.5	4.0	4.5	4.0	4.5	5.5	8.5	7.5	7.5	4.0	4.5	7.5	7.5	7.5	6.0	6.0	5.5	6.0	10.0	
29	6.5	8.0	9.0	9.5	5.0	9.0	8.0	6.0	3.5	3.5	4.0	6.0	7.5	6.5	6.5	7.0	5.5	4.0	4.0	5.5	11.5	9.0	10.5	7.0	11.5	9.0	
30	7.5	9.0	8.0	5.5	4.5	6.5	5.5	4.5	3.5	3.5	4.0	4.5	5.0	6.0	6.0	6.0	5.0	4.5	4.0	7.5	5.5	5.5	6.5	7.0	5.5	9.0	
AV	7.0	7.0	6.5	6.0	6.0	6.0	6.0	4.5	4.5	5.5	7.5	8.0	9.0	9.0	10.0	10.0	9.0	7.5	6.5	7.5	8.5	8.0	8.0	7.0	7.0	7.0	
SD	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.0	2.5	3.0	4.5	4.5	4.5	4.0	4.5	5.0	4.0	4.0	3.5	2.5	2.5	3.5	3.0	2.5	2.0	2.0	

ABOUT (29 JAN 81)

WIND SPEED (CC1011)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

OCT, 1960

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.0	9.0	6.5	6.0	5.5	7.0	7.0	5.0	3.5	3.0	5.5	5.5	5.5	4.5	6.5	5.5	4.5	6.0	5.0	4.0	4.0	5.0	5.0	5.5	5.5	9.0	
2	7.0	6.5	4.5	3.5	4.5	5.0	6.5	12.0	11.5	10.0	10.0	8.0	7.0	6.5	5.0	4.5	3.5	2.5	4.0	7.0	9.0	7.0	9.0	9.5	7.0	12.0	
3	10.0	6.0	5.5	7.0	5.5	4.5	4.5	4.5	3.0	3.0	4.0	4.5	4.0	4.5	5.0	5.0	3.0	2.5	4.0	7.0	9.5	8.5	7.5	10.0	5.5	10.0	
4	9.5	6.0	6.0	7.5	5.5	4.5	4.5	4.5	3.0	3.5	3.5	4.0	5.0	5.5	5.5	7.0	3.5	4.5	6.5	9.5	8.0	9.0	10.0	10.5	6.0	10.5	
5	7.5	9.0	9.5	10.0	6.5	6.0	7.5	6.5	3.5	3.5	4.0	4.5	4.5	6.0	7.5	7.0	5.5	4.5	3.5	7.0	9.5	10.5	10.5	10.0	7.0	10.5	
6	5.5	8.0	7.5	8.0	8.0	11.5	8.5	6.0	3.0	1.5	4.5	5.0	6.5	6.0	5.5	6.0	6.5	5.0	4.0	6.5	10.5	12.0	10.0	8.0	7.0	12.0	
7	8.5	5.5	6.0	5.0	6.0	5.5	4.5	5.0	2.5	3.0	3.5	5.0	5.0	5.0	6.0	5.5	3.0	4.0	4.5	8.0	6.0	11.0	10.0	9.5	9.5	6.0	11.0
8	8.5	9.5	7.0	6.0	7.5	5.5	6.0	3.0	3.5	3.0	3.5	4.0	6.0	7.0	5.0	3.5	3.0	3.0	5.0	9.5	10.0	8.5	8.5	9.5	6.0	10.0	
9	10.0	9.5	7.0	5.5	4.0	4.0	6.0	5.0	4.0	3.5	5.0	5.0	4.5	7.0	5.0	6.5	6.5	4.0	4.0	5.5	5.5	6.0	8.5	10.0	6.0	10.0	
10	10.0	6.0	4.0	3.5	5.0	3.5	7.5	3.0	4.0	7.0	10.0	8.5	7.0	5.0	7.0	6.0	3.5	4.5	3.5	5.0	8.0	7.5	9.5	10.0	6.0	10.0	
11	9.0	10.0	6.0	9.5	7.5	4.5	4.5	5.0	3.5	3.0	3.5	5.5	6.5	9.0	5.0	3.5	3.0	5.0	6.5	4.0	4.5	3.0	3.5	3.0	5.5	10.0	
12	2.5	3.0	4.0	4.0	3.5	4.0	4.0	4.0	5.5	7.0	9.0	6.5	10.0	9.0	4.0	5.0	10.5	12.5	5.0	3.0	6.5	7.0	5.0	3.5	6.0	12.5	
13	4.5	10.5	8.5	4.0	3.5	3.5	4.0	2.5	3.0	5.0	5.0	6.5	7.0	6.5	5.5	8.5	9.0	4.5	8.0	6.5	11.0	10.0	5.0	4.0	6.0	11.0	
14	4.0	5.5	6.0	5.5	4.5	3.0	3.0	3.5	2.0	4.0	4.0	9.5	4.0	7.0	6.0	9.5	9.0	24.0	17.0	10.0	17.0	4.0	7.5	10.0	7.0	24.0	
15	6.5	7.0	8.5	3.5	6.0	11.0	15.0	4.0	7.0	10.5	12.5	15.0	15.5	17.5	14.5	14.5	10.0	8.5	4.0	5.0	6.0	5.0	5.5	4.0	9.0	17.5	
16	6.5	7.0	1.5	7.0	6.5	3.5	8.0	4.5	5.5	7.5	6.5	6.0	6.0	5.0	5.5	5.0	4.5	10.0	12.5	10.5	13.5	13.0	12.5	12.5	7.5	13.5	
17	13.0	6.0	3.5	6.0	6.5	7.5	7.0	6.0	4.5	8.0	9.5	11.0	13.0	14.0	16.5	10.5	11.5	11.5	12.5	12.5	12.5	13.5	13.0	6.0	9.0	16.5	
18	8.0	8.5	9.0	10.0	10.5	8.5	7.5	8.5	6.0	5.5	4.0	4.0	5.5	4.0	3.5	6.0	1.5	2.0	4.0	8.5	7.5	3.5	7.5	9.0	6.5	10.5	
19	7.5	5.0	6.0	5.0	6.5	4.0	3.5	4.0	2.5	3.0	4.5	4.0	4.5	6.0	7.5	5.5	5.5	5.5	4.0	6.5	8.5	10.5	10.5	6.5	5.5	10.5	
20	8.0	6.0	7.5	6.0	4.5	4.0	5.5	5.0	3.5	3.0	3.5	4.5	4.5	5.5	5.5	3.5	3.0	2.5	4.0	7.5	6.5	10.5	10.5	7.5	5.0	10.5	
21	6.5	8.5	5.0	5.0	10.0	6.5	3.5	5.5	4.0	2.5	4.0	4.5	4.5	5.0	5.0	5.0	3.5	5.0	6.5	5.0	2.0	3.5	5.5	4.0	5.0	10.0	
22	5.0	4.5	4.5	4.5	6.0	5.0	3.0	4.5	3.5	4.5	14.5	18.0	17.5	17.0	22.5	22.5	25.5	24.5	16.0	12.0	8.5	4.0	2.5	3.0	10.5	25.5	
23	4.5	5.0	6.0	4.0	6.5	12.0	5.5	4.0	7.5	8.0	10.5	7.0	6.0	5.0	4.5	4.0	4.5	2.5	5.0	6.0	7.0	9.0	9.5	5.5	6.0	12.0	
24	4.5	5.0	5.0	8.0	6.5	5.0	4.5	3.5	2.5	3.0	3.5	3.5	4.5	5.0	5.5	5.0	7.0	6.0	3.0	5.5	7.5	7.0	8.0	9.5	5.5	9.5	
25	10.5	7.0	6.0	4.5	4.5	7.0	5.5	3.5	3.0	3.0	4.5	5.5	5.5	6.5	6.0	6.0	2.5	2.0	6.0	7.0	8.5	6.5	4.5	7.0	5.5	10.5	
26	2.0	4.0	3.5	2.5	3.5	3.5	3.5	3.5	2.5	1.5	4.5	8.5	8.5	8.5	7.5	4.5	4.5	3.0	4.0	1.0	1.0	2.5	3.0	1.0	4.0	8.5	
27	2.0	4.0	4.5	6.5	7.0	5.5	3.0	3.0	3.5	11.0	11.0	11.5	12.0	14.0	12.5	15.5	15.5	14.0	11.0	10.5	9.5	9.0	5.5	4.5	4.5	15.5	
28	6.0	4.0	2.5	2.5	3.0	1.5	2.5	2.5	3.0	3.0	4.0	5.0	4.5	4.0	4.5	5.0	3.0	5.5	4.5	5.5	9.0	7.5	8.0	8.0	4.5	9.0	
29	5.0	5.0	5.5	4.5	3.5	4.5	3.0	3.0	3.5	3.0	4.5	3.5	5.0	5.0	4.0	3.5	4.0	4.5	3.5	5.0	6.5	6.0	8.0	4.5	4.5	8.5	
30	4.0	7.5	5.5	4.0	4.0	5.0	4.5	3.0	2.5	3.5	3.5	4.5	5.0	4.5	3.5	3.5	2.0	5.0	1.5	5.5	7.5	6.0	7.0	9.0	5.0	9.0	
31	7.5	7.0	4.5	4.5	5.0	5.5	4.0	5.0	3.0	2.5	3.5	3.5	4.5	4.5	4.0	5.5	5.0	3.5	4.5	6.0	6.5	8.0	7.5	7.0	5.0	8.0	
AV	7.0	6.5	5.5	5.5	5.5	5.5	4.5	4.5	4.0	4.5	6.0	6.5	6.5	7.0	7.0	6.5	6.0	6.5	6.0	7.0	7.5	7.0	7.5	7.5	6.0	7.5	
90	2.5	2.0	2.0	2.0	2.0	2.5	2.0	2.0	2.0	2.5	3.0	3.5	3.5	3.5	4.0	4.0	4.5	5.5	3.5	2.5	2.5	2.5	2.5	3.0	1.5	1.5	

WIND SPEED 10001)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT. #139
 BONANZA, UTAH
 SITE 6
 NOV. 1980
 AEROSOLMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK				
1	10.5	7.5	7.5	6.5	5.0	4.5	5.5	4.5	3.0	3.0	4.5	5.0	5.0	3.0	3.0	3.5	2.5	5.0	8.5	8.0	7.0	8.5	6.0	5.0	5.5	10.5				
2	4.0	6.5	7.0	5.5	5.5	5.0	4.0	4.0	3.0	3.0	3.5	3.0	4.5	3.5	4.5	6.0	7.0	4.5	4.0	8.0	7.0	4.5	8.5	6.0	5.0	5.5	10.5			
3	7.0	3.5	6.0	5.5	4.0	5.0	3.0	3.0	2.5	2.5	3.5	4.0	4.5	4.0	3.0	3.0	2.5	5.5	4.0	6.5	6.5	4.5	8.5	10.5	6.5	4.5	7.0			
4	8.0	7.0	6.5	6.0	6.0	6.0	5.5	6.0	4.5	3.0	4.0	4.5	4.5	4.0	2.0	3.5	3.0	3.5	3.0	6.0	7.5	9.0	7.0	7.5	7.0	5.5	9.0			
5	7.0	6.5	5.5	4.0	4.5	4.0	3.5	3.5	2.5	3.0	4.0	4.5	4.5	5.0	5.5	5.0	5.5	4.0	4.0	7.0	8.0	8.0	9.0	4.5	9.0	5.5	9.5			
6	9.0	5.5	7.0	6.5	5.5	4.5	4.0	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	5.0	3.0	4.0	4.0	4.0	2.5	6.0	4.5	2.0	4.5	9.0	4.5	9.0		
7	3.0	3.0	3.0	3.0	3.0	3.5	5.0	2.5	2.5	3.0	3.5	4.0	4.0	8.5	14.0	12.0	10.5	13.0	7.5	4.5	4.5	9.5	3.5	3.5	6.0	14.0	6.0	14.0		
8	7.0	7.0	6.5	9.0	10.5	8.0	7.5	12.0	11.0	11.5	13.0	15.0	17.0	18.0	18.0	17.0	14.0	7.0	5.0	6.0	10.5	9.5	12.0	11.5	11.0	18.0	11.0	18.0		
9	6.5	6.5	5.5	5.0	8.0	4.5	5.0	5.0	2.5	3.0	3.5	5.0	5.0	5.0	3.0	3.5	2.5	3.0	3.5	3.5	4.5	5.5	6.0	4.5	4.5	8.0	4.5	8.0		
10	4.5	2.5	5.0	4.0	5.0	4.0	3.0	2.5	2.0	2.5	3.5	4.0	5.5	6.5	4.0	3.0	3.5	6.0	7.0	7.0	10.0	8.0	7.0	4.0	4.5	10.0	4.5	10.0		
11	5.0	4.5	3.5	3.5	3.5	3.0	3.5	5.0	3.0	3.0	2.5	5.0	4.0	4.0	2.5	2.0	3.0	2.5	4.5	7.5	7.5	6.0	3.0	2.5	4.0	7.5	4.0	7.5		
12	2.0	3.0	3.5	4.0	6.0	7.5	5.0	6.5	3.0	3.5	15.0	20.0	16.5	17.0	14.5	17.5	12.0	13.5	8.5	6.5	6.5	6.5	3.5	3.0	8.0	9.5	20.0	8.5	20.0	
13	2.5	3.5	5.5	6.5	10.5	12.5	9.5	9.5	14.5	17.0	14.0	11.0	9.5	8.5	8.0	9.5	8.5	9.0	10.0	11.0	10.0	8.5	8.5	8.0	9.5	17.0	9.5	17.0		
14	5.5	3.0	2.5	1.5	2.5	3.0	4.0	5.5	6.5	4.5	5.0	6.0	6.0	5.5	6.0	3.5	5.5	9.5	10.0	9.5	5.0	2.5	3.5	3.5	5.0	10.0	5.0	10.0		
15	4.5	6.0	6.5	7.0	5.5	6.0	7.5	8.0	6.0	4.5	4.5	4.0	4.5	6.0	7.5	6.0	5.5	7.5	4.5	6.5	7.0	5.5	5.5	3.5	6.0	6.5	4.0	6.5		
16	3.5	3.0	2.0	3.5	4.0	3.5	3.5	2.0	2.5	3.5	6.0	6.5	5.0	5.0	3.5	6.0	5.5	5.0	3.0	3.5	5.0	4.5	3.0	3.0	3.0	4.0	6.0	6.5		
17	4.5	3.5	6.5	5.0	6.5	7.5	9.5	5.0	5.5	3.5	3.0	4.5	4.0	4.5	4.5	3.5	2.5	5.0	6.0	8.0	8.5	10.5	6.5	9.0	5.5	10.5	5.5	10.5		
18	6.0	5.0	5.0	7.5	7.5	5.0	4.0	5.0	3.5	2.5	3.0	3.5	4.5	4.5	4.5	4.5	3.5	6.0	7.5	7.5	7.5	8.0	9.5	6.5	9.0	5.5	10.5	5.5	10.5	
19	7.0	7.5	7.0	6.5	5.5	4.0	6.5	4.0	2.5	2.5	3.0	4.0	4.0	3.5	4.0	3.5	2.5	5.0	4.0	6.0	6.5	7.0	4.5	4.5	5.0	9.5	5.0	9.5		
20	6.5	4.5	5.5	7.0	5.0	4.5	3.5	3.0	5.5	3.5	3.5	3.5	4.5	5.0	4.0	4.5	4.5	6.0	6.0	6.5	6.5	6.0	4.5	4.5	5.0	10.0	5.0	10.0		
21	6.0	4.5	6.5	5.0	8.5	6.5	5.5	3.0	3.0	2.5	3.0	3.5	4.0	4.5	5.0	4.0	4.0	3.0	6.0	6.0	3.5	3.5	3.0	4.5	4.5	6.5	4.5	6.5		
22	5.0	2.5	2.0	4.0	3.5	3.5	4.0	3.0	2.5	2.5	2.5	3.0	3.5	3.5	5.0	5.5	9.5	8.0	6.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.5	4.5	9.5
23	4.5	4.5	6.0	6.0	6.0	6.0	6.5	6.5	5.5	3.5	4.0	5.0	3.5	6.0	4.0	4.0	4.5	2.5	5.0	5.0	5.0	9.5	3.5	3.0	5.0	5.0	5.0	9.5	5.0	9.5
24	5.0	3.5	2.5	2.0	2.0	3.0	3.5	3.5	5.5	6.0	4.0	5.0	4.0	2.0	3.0	4.0	4.0	8.5	4.5	6.0	6.5	3.5	4.0	4.5	4.5	4.5	4.5	8.5	4.5	8.5
25	5.0	6.0	7.5	4.0	5.0	3.0	3.5	3.0	3.5	2.0	3.0	4.0	4.0	3.0	3.5	4.0	2.5	4.0	4.5	5.5	5.0	6.5	4.0	4.0	4.0	4.0	4.0	7.5	4.0	7.5
26	5.0	5.0	6.0	7.0	6.0	6.0	7.5	8.0	4.0	3.0	4.5	5.0	4.5	4.0	4.0	1.5	4.0	5.5	4.5	4.5	5.0	6.5	10.0	10.0	10.0	5.5	10.0	5.5	10.0	
27	6.0	5.5	5.0	4.5	3.0	5.0	3.0	4.5	4.0	2.0	3.0	4.5	6.0	4.5	2.5	3.5	4.0	4.5	2.5	2.5	3.5	4.0	5.0	4.5	4.0	4.0	4.0	6.0	4.0	6.0
28	4.0	3.5	4.0	4.5	4.5	3.5	6.0	4.5	6.5	3.5	4.0	5.0	5.0	4.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	2.5	4.5	4.5	4.5	4.0	4.0	6.5	4.0	6.5
29	3.0	1.0	3.0	5.0	3.5	5.0	3.5	3.0	3.5	4.0	3.5	3.5	3.5	3.0	3.0	3.5	2.0	3.0	3.0	3.0	3.0	3.5	2.5	2.5	3.0	3.0	3.0	5.0	3.0	5.0
30	2.0	3.0	2.5	3.0	2.5	3.0	2.5	3.0	3.0	3.0	3.0	3.0	7.5	5.5	7.0	7.0	8.5	8.0	5.5	5.0	5.5	9.0	15.5	7.5	5.0	5.0	15.5	5.0	15.5	
AV	5.5	4.5	5.0	5.0	5.5	5.0	5.0	4.5	4.0	4.5	5.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.0	6.5	6.0	6.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5
SD	2.0	1.5	1.5	1.5	2.0	2.0	2.0	2.5	3.0	3.0	3.5	3.0	3.5	3.5	4.0	3.5	3.0	3.0	2.0	2.0	2.0	2.5	3.0	2.5	3.0	2.5	2.5	1.5	1.5	1.5

ABOUT (29 JAN 81)

WIND SPEED (CC1011
MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139
ROMANZA, UTAH
SITE 6
DEC. 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
CLOCK HOUR (LOCAL STANDARD TIME)																										
1	5.5	6.0	4.0	2.0	3.5	5.5	5.0	3.0	3.0	7.5	7.0	17.0	12.0	9.0	7.0	5.0	0.0	6.5	5.5	8.0	5.5	5.5	4.5	3.5	6.5	17.0
2	3.0	2.5	3.5	3.0	4.5	5.0	3.0	5.5	4.0	3.0	4.0	5.0	3.0	3.0	3.5	4.0	3.0	2.5	3.5	3.0	3.0	3.5	4.0	2.5	3.5	5.5
3	3.5	3.0	3.5	3.5	4.0	3.5	3.5	6.0	4.5	3.5	3.5	4.0	3.5	4.0	6.5	7.0	12.0	7.5	6.5	8.5	10.5	5.5	3.0	4.0	5.5	12.0
4	4.0	4.5	4.5	3.5	4.0	3.5	4.0	13.5	15.0	17.0	21.5	31.5	24.5	22.5	19.0	16.0	14.0	18.0	7.0	4.5	8.0	9.5	14.5	10.0	12.5	11.5
5	7.5	10.5	11.5	5.0	3.0	4.0	4.0	1.5	4.0	4.0	4.5	9.0	5.0	4.0	5.5	6.0	7.0	3.5	4.5	4.0	6.0	3.0	5.0	2.5	5.0	11.5
6	4.5	3.0	3.0	2.0	2.5	3.0	2.0	3.5	5.0	3.0	3.5	3.5	3.0	3.0	2.0	5.0	4.5	9.0	5.5	4.0	3.0	3.5	2.5	2.5	3.5	9.0
7	2.5	2.0	3.5	1.5	3.0	2.5	3.5	4.5	2.5	2.5	3.5	6.0	4.5	5.5	6.0	4.0	1.5	2.5	9.0	8.0	4.5	5.0	4.5	4.5	4.0	9.0
8	4.0	4.5	5.5	4.0	2.0	2.5	4.0	4.0	3.0	4.0	4.0	5.0	6.5	8.0	7.5	6.5	5.5	3.5	4.5	6.0	8.0	10.5	7.5	6.5	5.5	10.5
9	8.0	7.5	3.5	3.0	1.5	4.0	2.0	3.0	4.0	3.5	6.0	5.5	6.0	5.0	4.0	3.5	2.5	3.0	5.0	9.0	8.0	4.5	7.0	7.5	5.0	9.0
10	6.0	5.0	3.5	6.5	5.0	3.0	5.0	4.0	3.5	3.0	3.0	3.5	3.5	5.0	4.0	3.5	5.0	3.5	3.5	4.0	4.5	4.5	4.0	5.0	4.5	7.5
11	7.5	4.0	3.0	3.5	5.0	3.0	5.0	4.0	3.5	2.5	3.5	4.0	4.5	6.0	4.0	5.5	5.5	3.5	5.0	4.5	7.0	7.5	7.5	4.0	4.5	7.5
12	5.0	4.0	6.5	4.0	5.0	2.5	4.5	4.5	3.5	2.5	2.5	3.5	3.0	4.5	4.5	4.5	4.5	5.5	4.0	5.0	4.5	6.5	6.0	6.5	4.5	6.5
13	7.0	5.0	4.5	5.0	3.0	4.5	6.5	4.0	3.5	2.5	3.0	3.0	3.0	3.5	3.0	4.0	4.0	5.0	7.5	8.5	5.5	5.5	6.0	4.5	4.5	6.5
14	6.5	7.0	4.5	5.0	3.0	4.5	6.5	4.0	3.5	3.5	3.0	4.0	3.5	3.5	4.5	6.5	4.5	4.0	3.5	5.5	5.5	5.5	4.5	4.5	4.5	6.5
15	5.5	6.0	4.0	4.5	4.0	3.5	3.0	4.0	3.5	2.5	4.0	4.0	6.0	4.0	2.5	3.5	3.0	5.0	5.5	3.0	5.5	6.0	5.0	4.0	4.0	6.0
16	4.5	4.0	4.0	3.5	4.0	3.5	4.5	2.5	2.0	2.5	3.5	3.0	3.5	5.5	7.5	6.0	6.0	3.5	4.0	5.5	6.0	4.5	7.0	5.5	4.5	7.5
17	4.0	6.5	4.5	2.5	2.5	3.0	3.0	4.0	2.5	2.5	3.5	4.0	3.5	4.5	5.0	6.0	7.5	4.0	4.5	4.0	5.5	5.5	7.0	5.0	4.5	7.5
18	4.5	6.0	3.0	3.5	4.0	3.0	3.0	3.0	2.5	3.0	3.0	4.0	4.0	5.5	6.0	7.5	6.0	4.0	4.5	7.0	4.0	3.5	4.5	5.5	4.5	7.5
19	6.0	8.5	4.5	6.0	5.0	5.5	4.5	5.5	5.0	3.0	3.0	4.0	3.0	3.0	3.5	4.5	4.5	3.0	4.5	7.5	6.0	5.5	6.5	7.5	4.0	6.5
20	7.0	4.5	5.0	4.0	4.0	5.5	4.0	4.0	3.0	2.0	3.0	3.0	3.5	4.0	5.5	4.5	4.5	3.0	5.0	6.0	6.5	6.0	5.5	5.0	4.5	7.0
21	7.0	6.0	5.0	3.0	4.0	4.0	4.0	4.0	3.5	2.0	3.0	3.5	3.5	3.5	3.0	3.5	3.0	2.5	4.5	4.0	4.5	3.0	2.0	2.5	3.5	7.0
22	3.0	3.5	5.5	4.5	5.0	3.5	3.0	3.0	3.0	4.5	6.0	5.5	3.5	3.0	3.0	5.5	6.0	4.5	3.0	3.5	3.5	2.5	2.5	5.5	7.0	7.0
23	3.0	3.5	5.5	7.5	6.0	9.0	6.0	4.0	4.5	6.5	5.5	7.5	5.0	4.0	4.0	5.0	2.5	4.5	4.0	9.0	7.5	7.0	6.0	4.0	4.0	7.0
24	5.5	7.0	6.5	4.5	3.5	5.5	4.0	4.0	4.5	2.5	3.0	3.5	4.5	5.0	4.5	4.5	4.0	2.5	4.0	6.5	8.0	9.0	7.5	7.0	6.0	9.0
25	5.0	4.0	4.0	5.5	4.0	4.5	5.0	4.0	3.5	3.5	3.0	3.5	4.5	5.0	5.0	4.5	4.0	2.5	4.0	6.5	8.5	4.5	3.5	4.5	4.5	6.5
26	6.5	8.5	6.5	4.0	3.0	4.0	5.5	4.0	3.5	4.0	4.5	4.0	5.0	5.0	5.0	5.0	4.5	3.0	4.0	6.5	4.0	6.0	6.5	6.0	4.5	6.5
27	6.5	4.5	5.5	5.5	4.0	4.0	5.0	4.0	3.0	2.5	3.0	3.5	3.0	3.5	3.5	5.0	5.5	4.0	3.5	4.5	5.5	6.0	7.5	7.5	5.0	6.5
28	5.0	4.0	4.5	4.0	3.0	4.5	3.5	3.0	3.0	2.5	3.0	4.0	4.0	4.5	5.5	4.0	3.5	3.5	3.5	4.5	4.5	5.0	5.5	4.0	4.5	6.5
29	6.5	7.0	6.0	6.0	3.0	5.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	4.5	5.5	4.0	3.5	3.0	5.5	6.5	7.0	7.0	7.5	7.0	4.5	7.5
30	5.0	5.5	6.5	5.5	5.0	6.0	4.5	7.5	4.5	3.0	2.0	3.5	3.5	5.0	7.0	7.0	6.0	2.5	4.5	6.0	7.5	5.0	5.0	4.0	5.5	8.5
31	7.0	5.0	6.0	4.0	4.0	5.5	3.5	2.5	2.0	3.0	2.5	3.5	3.5	6.0	5.0	5.0	5.5	2.0	4.0	5.5	6.5	7.0	9.0	4.5	5.0	9.0
AV	5.5	5.0	5.0	4.0	4.0	4.5	4.0	4.5	4.0	3.5	4.0	5.5	5.0	5.5	5.0	5.5	5.0	4.5	5.0	6.0	6.0	5.5	6.0	6.0	5.0	6.0
SD	1.5	2.0	1.5	1.5	1.5	1.5	1.0	2.0	2.0	2.5	3.5	5.5	4.0	3.5	3.0	2.0	2.5	3.0	1.5	2.0	2.0	1.5	2.5	2.0	1.5	1.0

WIND SPEED (C:15)
 MILES/HOUR
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK		
1	4.0	1.5	2.0	4.0	7.0	5.0	5.0	5.0	2.5	4.0	3.0	2.5	2.5	3.5	3.5	4.0	5.0	5.0	2.0	3.0	2.0	1.5	2.5	3.0	3.5	7.0	
2	2.0	1.0	2.0	1.5	3.0	4.0	2.0	2.0	3.0	3.5	2.0	2.5	2.5	4.5	3.5	3.0	3.5	4.5	4.5	7.5	5.0	4.5	3.0	2.5	3.0	7.5	
3	2.0	2.0	2.0	4.5	5.0	6.0	5.0	4.0	2.0	1.5	2.0	3.0	3.0	3.0	4.5	5.0	5.0	5.0	3.0	2.0	2.5	2.0	2.5	2.0	3.5	6.0	
4	3.0	2.5	2.5	2.0	2.5	4.0	2.5	3.0	3.5	2.5	2.0	2.0	2.0	3.5	2.5	2.5	3.5	4.0	4.0	3.5	2.5	2.5	2.0	3.5	4.0	4.0	
5	3.0	3.0	2.5	2.0	3.0	4.0	3.5	2.0	2.5	2.0	2.0	3.0	3.0	3.0	3.5	4.5	2.5	7.0	5.0	3.5	2.0	2.0	3.5	5.0	3.0	7.0	
6	3.0	3.5	3.0	5.5	5.0	4.0	5.0	6.0	6.5	6.5	7.5	7.5	13.5	14.0	15.0	15.0	13.0	13.0	9.0	5.5	2.0	5.0	2.5	2.5	7.0	15.5	
7	1.5	1.5	3.0	2.0	2.5	2.0	3.0	2.5	3.0	3.0	3.0	4.5	5.5	8.0	4.5	4.5	4.5	9.0	7.0	4.5	4.5	4.0	5.0	4.0	9.0		
8	3.5	3.0	2.0	2.0	2.5	3.5	2.5	3.0	2.0	2.0	3.5	4.0	4.0	2.5	2.5	5.0	2.5	3.0	7.0	7.0	6.0	9.0	12.5	4.0	12.5		
9	8.0	6.5	5.5	5.0	5.0	4.0	8.0	14.5	18.5	20.0	21.5	21.0	19.5	18.0	19.0	13.5	15.5	12.0	15.0	17.5	17.5	17.0	15.5	12.5	13.5	21.5	
10	11.5	18.0	24.0	22.5	21.0	17.0	14.5	14.0	23.5	23.5	25.0	24.5	22.0	19.0	24.0	20.5	19.5	22.5	23.0	18.5	13.5	4.5	5.5	5.5	19.0	25.0	
11	10.5	10.0	6.5	6.0	6.0	5.5	5.5	5.0	4.5	5.5	2.0	2.0	2.5	3.0	3.0	2.5	3.0	4.5	4.5	4.5	4.0	3.5	4.5	3.0	4.5	10.5	
12	3.0	3.5	3.0	3.5	3.5	3.5	6.5	5.5	3.0	4.0	2.5	5.5	4.5	2.5	4.0	3.0	2.0	5.5	5.0	4.0	4.5	2.5	2.5	4.5	4.0	6.5	
13	5.5	3.0	3.0	3.0	2.5	2.5	2.0	3.0	2.0	2.5	3.5	5.5	5.0	5.0	4.0	3.5	4.5	4.5	3.5	4.0	3.5	3.0	3.5	3.0	4.5	17.5	
14	17.5	16.5	15.0	14.5	15.0	14.0	13.0	10.0	17.0	10.5	9.5	7.5	6.5	6.5	5.0	3.0	3.5	4.5	3.5	4.0	3.5	8.0	2.0	2.5	2.0	4.0	4.0
15	3.0	3.0	3.0	3.5	3.5	3.5	3.5	2.5	5.0	3.5	3.0	4.0	5.0	4.0	2.5	5.0	5.0	5.5	4.5	3.5	8.0	2.0	2.5	2.0	4.0	4.0	
16	2.0	2.5	2.0	4.0	3.5	4.0	5.0	4.0	3.0	1.5	2.5	3.5	3.5	4.5	7.0	7.5	5.5	5.0	3.0	3.5	4.5	4.0	4.5	3.5	4.0	7.5	
17	3.0	4.0	2.5	2.5	3.0	3.5	2.5	3.0	2.5	2.5	3.5	3.5	8.0	7.5	5.5	6.5	3.5	5.0	4.0	1.5	2.5	3.5	3.5	3.0	3.5	4.0	
18	1.5	2.0	3.5	2.5	2.5	2.5	2.0	3.0	3.0	3.0	2.5	3.0	2.5	6.5	7.0	6.0	8.0	6.5	3.5	15.5	19.5	23.5	24.0	22.0	7.5	24.0	
19	22.5	21.0	18.5	9.5	13.0	9.5	15.0	17.0	13.5	7.5	9.5	17.0	10.5	17.0	10.0	8.5	5.5	10.5	8.0	9.0	14.5	10.5	17.0	9.5	12.5	22.5	
20	5.5	4.5	8.5	5.5	10.0	8.0	5.5	6.0	3.5	2.5	6.5	6.0	5.0	5.0	5.0	7.5	7.0	7.0	9.0	2.5	2.5	1.5	2.5	2.0	5.5	10.0	
21	3.0	3.5	3.5	3.5	4.5	2.5	3.5	2.0	4.5	4.0	3.5	4.0	3.5	4.0	3.0	5.0	6.0	8.0	8.0	6.5	7.0	7.5	7.5	5.5	5.0	8.0	
22	4.5	4.0	4.5	5.0	6.0	4.0	4.5	5.5	4.5	5.0	4.0	4.0	3.5	5.0	4.0	5.0	3.0	3.5	3.5	5.0	5.0	4.5	4.5	6.0	4.5	6.0	
23	4.0	4.0	6.0	4.0	3.5	5.5	2.5	4.0	3.0	2.0	3.0	4.5	5.5	6.5	6.0	4.0	4.0	5.0	4.0	4.5	3.5	4.5	4.5	7.0	4.5	7.0	
24	5.0	3.0	3.0	3.5	4.0	4.5	2.5	3.5	2.5	5.0	3.5	3.0	3.0	3.5	4.0	3.0	4.5	5.5	4.5	4.5	4.5	4.0	3.0	3.0	4.0	5.5	
25	3.5	4.5	3.5	5.0	3.5	5.0	5.0	3.5	2.5	3.0	3.0	2.5	3.0	3.5	3.0	3.5	6.0	4.0	4.0	6.0	9.5	12.5	12.0	11.5	12.0	5.5	12.5
26	14.0	13.0	7.0	4.5	4.0	6.0	4.5	4.0	5.0	5.0	3.5	5.0	6.0	8.5	9.5	13.5	15.0	14.0	17.0	10.5	10.5	8.0	9.0	8.5	8.5	17.0	
27	3.5	2.0	4.5	4.0	3.5	1.5	1.0	3.5	3.0	3.5	3.5	5.5	4.5	3.5	4.0	4.5	3.0	5.5	7.5	2.5	8.0	9.0	4.0	3.5	4.0	9.0	
28	4.0	4.5	9.0	5.5	8.5	5.5	5.5	3.0	3.5	3.5	4.0	4.5	4.0	4.0	3.5	3.5	3.5	2.5	3.0	2.5	2.0	3.0	1.5	1.0	4.0	9.0	
29	2.5	3.5	1.0	1.0	2.5	1.5	2.0	2.0	2.5	3.0	3.0	2.5	2.5	6.0	5.0	7.5	10.5	4.5	4.5	4.0	4.5	5.0	4.0	4.5	3.5	10.5	
30	6.5	6.5	8.5	8.0	7.0	7.0	5.5	8.5	6.0	4.0	1.5	2.5	2.5	3.0	2.5	2.0	1.5	2.5	4.5	7.0	6.5	6.0	4.0	6.0	5.0	4.5	
31	5.5	5.0	4.5	4.0	6.5	6.0	4.0	3.0	4.0	2.0	2.0	3.0	2.5	2.5	2.5	3.0	6.5	4.5	4.5	4.5	5.5	3.0	3.5	2.5	4.0	6.5	
AV	5.5	5.5	5.5	5.0	5.5	5.0	5.0	5.5	5.0	4.5	5.5	5.5	5.5	6.5	6.0	6.0	6.0	6.5	6.0	6.0	7.0	6.0	5.5	5.5	5.5	5.5	5.5
SD	5.0	5.0	5.0	4.0	4.0	3.5	3.5	3.5	5.0	4.5	5.0	5.0	5.0	5.0	4.0	5.0	4.5	4.0	4.5	4.5	5.0	5.0	5.0	4.5	3.5	3.5	

WIND SPEED (C11151)
 MILES/HOUR
 LEVEL WEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT.#119
 HONANZA, UTAH
 SITE 6
 FEB. 1960
 AFROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	3.5	3.0	3.5	2.5	2.0	4.0	3.5	2.5	2.0	4.0	4.0	4.0	4.0	6.0	6.5	5.0	4.0	3.5	3.5	4.5	5.0	6.0	4.0	4.0	4.0	4.0	6.5	
2	4.0	3.5	2.5	3.0	5.0	4.0	3.0	3.0	3.0	3.5	4.0	4.5	5.0	3.0	3.0	2.5	5.5	3.0	4.0	4.0	3.5	1.5	2.5	2.5	3.5	5.5	5.5	
3	3.0	3.0	3.0	2.5	3.0	2.5	3.0	4.0	4.0	2.5	4.0	3.5	3.5	3.0	3.0	5.0	5.5	5.5	4.0	4.0	3.5	1.5	4.5	4.5	4.5	3.5	5.5	
4	2.5	3.5	3.5	3.0	5.0	3.0	2.0	2.5	2.0	3.0	2.5	3.0	3.5	6.5	6.5	3.0	3.5	2.5	2.0	3.0	2.5	3.0	4.0	3.5	3.5	6.5	6.5	
5	2.5	3.5	4.5	2.5	4.0	5.0	3.0	2.0	3.0	2.5	3.0	3.0	3.5	4.5	3.5	6.0	6.0	7.0	5.0	2.5	3.0	3.5	4.0	4.0	4.0	7.0	7.0	
6	4.0	3.5	7.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5	4.5	3.5	3.0	3.5	3.5	5.0	7.0	6.0	6.0	3.5	3.0	4.0	3.0	3.5	3.5	7.5	7.5	
7	3.5	2.0	2.0	2.0	4.0	4.0	4.0	2.0	2.0	1.5	3.0	5.5	3.0	3.0	3.5	6.5	9.5	12.0	11.5	7.0	6.5	4.5	5.5	3.5	4.5	12.0	12.0	
8	9.5	10.0	8.0	8.0	5.5	4.0	4.0	9.0	6.0	2.0	2.0	3.5	4.0	7.5	9.0	6.5	3.0	3.0	4.0	7.5	8.5	10.0	8.0	6.0	6.0	10.0	10.0	
9	7.5	6.5	6.0	6.5	5.0	6.0	4.0	3.0	2.5	1.5	2.5	4.0	4.5	4.5	5.5	7.0	6.5	4.5	1.5	3.0	5.0	4.0	4.0	5.5	5.0	9.0	9.0	
10	5.0	6.5	6.0	6.5	5.0	4.0	3.0	3.5	2.0	2.0	2.0	2.5	2.0	4.5	5.5	6.5	7.0	5.5	3.0	4.0	4.5	4.5	5.0	4.5	4.5	7.0	7.0	
11	4.5	4.0	3.5	3.5	2.5	2.5	3.0	3.0	2.5	2.0	3.0	4.5	4.5	4.5	4.5	7.0	6.0	5.0	4.5	4.5	2.0	3.5	5.5	5.5	4.0	7.0	7.0	
12	7.5	3.5	4.0	3.5	2.5	3.5	2.5	2.0	2.5	2.5	2.5	4.0	4.0	5.0	4.5	6.5	7.0	6.0	3.5	2.0	2.5	2.0	2.0	1.5	1.5	7.5	7.5	
13	2.5	4.5	4.5	2.5	2.5	2.0	3.0	3.5	2.0	2.0	2.0	9.0	2.5	5.0	4.5	4.0	5.5	5.5	7.5	7.5	4.5	2.0	2.5	1.5	1.5	4.0	9.0	
14	2.0	4.0	3.0	3.0	2.0	3.0	2.5	2.0	3.0	3.5	3.5	3.5	3.5	4.5	4.0	4.0	4.5	9.0	6.5	3.0	2.5	4.0	3.0	2.0	3.5	9.0	9.0	
15	5.0	3.5	4.0	2.0	3.0	2.0	2.0	2.5	1.5	2.5	3.0	3.0	3.5	4.0	5.0	5.0	9.0	6.5	5.0	3.0	2.0	3.0	2.0	3.0	3.5	9.0	9.0	
16	4.0	3.5	1.5	2.0	2.0	2.5	3.0	2.0	4.0	3.0	2.0	3.0	2.5	3.0	3.5	4.0	4.0	5.0	3.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0	5.0	5.0
17	2.5	2.5	2.5	2.0	2.5	4.0	2.0	3.0	4.0	2.5	4.5	4.5	5.5	5.5	3.0	2.5	5.5	6.0	3.0	2.5	2.0	3.5	2.0	2.0	2.0	3.5	6.0	6.0
18	3.0	3.0	4.5	5.5	3.0	4.0	5.0	4.5	3.0	5.0	13.5	10.5	4.0	9.5	14.5	5.5	10.5	5.5	7.5	7.0	5.5	6.5	5.5	5.5	4.0	6.5	14.5	14.5
19	3.5	5.0	11.0	10.5	10.0	7.5	4.5	2.5	4.0	3.0	10.5	11.5	11.5	14.5	14.5	14.0	7.5	4.5	4.5	4.0	4.5	4.5	3.5	3.5	6.0	7.0	14.5	14.5
20	4.5	6.0	7.5	10.5	9.5	4.5	9.0	2.5	2.5	8.5	8.5	10.0	6.5	8.0	11.0	6.0	7.5	5.5	3.0	7.0	6.0	5.5	5.0	4.0	4.0	6.5	11.0	11.0
21	3.5	3.5	5.5	4.0	5.0	2.5	3.0	3.0	2.0	3.0	12.5	13.0	3.5	13.0	10.5	8.5	9.0	9.0	9.0	5.0	5.5	3.5	3.5	2.0	6.0	13.0	13.0	
22	2.5	2.5	3.0	4.5	6.0	4.5	4.5	5.0	4.0	7.0	6.5	6.0	13.0	6.5	9.5	9.0	8.0	6.5	3.0	4.5	7.0	5.5	4.5	4.0	6.0	13.0	13.0	
23	4.0	2.5	2.5	6.0	7.0	4.5	4.5	7.0	7.0	3.0	11.5	11.5	6.5	5.5	5.5	5.0	6.0	6.0	4.5	9.5	10.0	5.5	6.0	7.5	6.5	11.5	11.5	
24	6.0	3.5	4.0	7.5	6.5	3.5	4.0	5.0	4.0	3.5	4.0	4.0	5.0	7.0	5.5	3.0	1.5	2.0	3.0	3.0	7.0	9.0	6.0	6.0	5.0	9.0	9.0	
25	7.0	6.0	6.0	5.0	5.0	4.5	5.0	4.5	4.5	5.0	4.5	4.5	5.5	5.5	5.5	5.0	5.0	7.5	6.0	4.0	3.0	5.0	6.5	6.0	5.5	7.5	7.5	
26	5.5	6.0	6.5	5.5	4.5	2.5	4.0	5.0	3.0	2.5	5.0	5.0	4.5	5.5	5.0	4.0	5.5	3.0	2.0	2.0	4.5	4.0	6.0	6.5	4.5	6.5	6.5	6.5
27	4.5	7.5	6.0	6.5	9.5	3.5	6.0	6.0	2.0	2.5	2.5	3.5	8.5	5.5	7.0	6.5	6.5	6.0	3.0	5.0	4.0	9.5	7.0	6.0	5.5	9.5	9.5	
28	6.5	7.0	4.5	5.5	4.5	3.5	5.0	4.5	4.0	3.5	4.0	5.5	7.5	6.5	7.0	3.5	4.0	2.5	10.0	11.0	11.0	7.0	6.5	6.5	5.5	11.0	11.0	
29	7.5	6.0	4.5	7.0	6.5	5.0	6.5	4.0	4.0	7.0	4.5	7.0	5.5	5.5	4.5	5.5	13.0	12.5	9.0	6.5	3.5	10.0	6.0	4.5	7.0	13.0	13.0	
AV	4.5	4.5	4.5	4.5	5.0	3.5	4.0	3.5	3.0	3.5	4.5	5.0	5.5	6.5	6.5	5.5	6.5	6.0	5.0	4.5	4.5	4.5	5.0	4.5	5.0	4.5	4.5	4.5
30	2.0	2.0	2.0	2.5	2.5	1.0	1.5	1.5	1.0	1.5	3.0	3.0	2.5	2.5	3.5	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	1.5	1.5	1.5

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAR, 1980
 AEROVIRONMENT INC.

WIND SPEED ICC1151
 MILES/HOUR
 LEVEL HEIGHT 20 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	11.0	12.0	8.5	3.5	8.0	6.5	4.5	5.5	6.5	4.5	8.0	7.5	7.5	9.5	5.0	6.5	7.0	3.5	4.0	2.0	4.5	6.0	7.5	6.5	6.5	12.0
2	5.0	6.5	4.5	4.0	4.0	5.0	3.0	4.0	4.0	3.0	2.5	3.0	5.0	6.0	8.5	7.0	5.5	3.5	4.0	3.5	3.0	4.0	4.0	4.0	4.5	8.5
3	3.5	2.0	2.5	4.0	3.0	3.5	4.0	3.5	3.0	3.5	3.5	13.5	16.5	20.5	19.5	19.0	16.0	5.0	4.0	4.0	3.0	3.0	5.0	8.0	7.5	20.5
4	9.5	12.0	6.0	7.0	5.5	4.0	4.5	3.5	3.0	2.0	9.0	5.5	11.0	14.5	10.5	14.5	18.0	20.0	22.0	10.0	7.0	7.0	5.0	7.0	9.5	22.0
5	10.0	6.5	7.5	5.5	4.5	4.0	3.5	3.5	4.0	6.0	14.5	17.0	16.0	18.0	20.5	18.5	17.0	16.0	19.5	17.0	13.0	17.0	12.5	10.0	11.5	20.5
6	12.5	9.0	11.0	17.0	9.5	8.0	8.5	9.5	4.0	2.5	3.5	6.5	6.0	3.5	5.0	3.0	4.5	3.5	6.5	6.0	5.0	3.0	2.5	3.5	6.5	17.0
7	3.0	2.5	2.0	3.5	4.5	6.0	3.5	5.5	3.5	2.5	7.5	10.0	11.0	8.5	6.5	5.5	6.0	6.5	4.5	7.5	8.0	3.5	4.5	5.5	6.5	11.0
8	4.5	3.5	5.0	4.0	6.5	4.5	8.0	8.0	4.0	4.0	5.5	8.5	12.0	13.0	11.5	12.0	13.0	9.5	8.5	7.0	6.0	5.0	7.0	7.0	7.5	15.0
9	4.0	7.5	7.5	6.5	8.5	8.5	7.0	5.5	4.5	5.0	7.5	8.0	13.0	14.5	15.5	15.0	13.5	11.0	8.0	7.5	7.0	7.5	8.0	8.5	8.5	15.5
10	10.0	6.5	6.0	7.0	7.5	5.0	5.0	4.5	3.0	3.0	5.0	6.5	8.5	7.0	6.5	7.0	6.5	7.5	5.0	3.5	3.5	6.0	7.5	4.5	6.0	10.0
11	8.0	6.5	5.5	6.5	7.0	3.5	3.0	3.5	3.0	1.5	2.5	4.0	3.5	4.0	6.5	11.0	14.5	8.0	10.0	11.5	11.5	13.0	5.5	8.0	7.0	14.5
12	6.0	16.0	16.0	20.5	23.0	19.5	21.5	20.5	16.5	14.5	21.5	21.5	18.5	18.0	16.5	15.5	13.5	15.0	7.5	5.0	6.0	3.5	8.0	6.0	14.5	23.0
13	7.0	5.0	4.5	9.0	7.5	5.0	5.0	4.0	3.5	4.5	4.0	4.0	5.5	7.0	8.0	8.0	8.0	5.5	5.0	7.5	5.0	4.5	2.5	4.5	5.5	9.0
14	4.0	5.0	5.0	5.0	3.0	3.0	3.5	5.0	4.0	4.0	5.0	6.5	9.5	10.5	7.0	16.5	17.0	14.5	9.0	5.5	12.5	7.0	4.5	2.5	7.5	17.0
15	4.0	5.5	5.0	5.0	3.0	3.0	3.5	4.5	4.0	3.5	5.0	11.0	13.0	8.0	15.5	18.0	15.5	14.5	13.0	5.0	4.0	5.0	18.5	15.0	8.5	14.5
16	12.5	19.5	17.5	13.0	14.0	8.5	5.5	11.0	5.5	13.5	16.0	15.0	18.5	20.0	18.0	18.5	20.0	18.0	15.5	9.0	5.5	5.5	6.0	8.5	13.0	20.0
17	6.5	6.5	6.5	8.0	4.5	5.5	5.0	5.0	4.5	4.0	4.0	6.0	7.5	12.5	10.0	9.0	8.0	12.0	9.5	12.5	15.5	12.0	9.0	4.5	4.0	15.5
18	11.0	4.5	5.5	6.0	9.0	3.5	3.5	3.0	4.0	3.5	5.0	7.0	10.5	10.0	7.5	10.0	8.0	6.5	4.5	4.0	7.0	10.0	8.5	9.0	7.0	11.0
19	12.0	6.5	8.5	6.5	5.5	5.0	7.0	5.5	3.5	5.0	9.5	11.5	13.0	13.5	15.0	14.5	16.0	16.5	17.0	12.0	6.0	5.0	2.5	2.5	9.0	17.0
20	3.5	6.0	5.0	5.5	7.0	5.0	6.5	5.0	3.5	3.0	4.5	6.0	5.0	8.0	9.0	8.0	8.5	14.0	17.5	10.5	12.0	16.0	5.0	9.0	7.5	17.5
21	6.0	7.5	5.0	4.5	4.5	4.0	4.5	3.5	4.0	18.0	23.0	22.5	22.5	20.5	21.0	20.5	22.0	17.0	10.5	8.0	3.0	9.0	9.5	8.5	11.5	23.0
22	9.0	13.5	4.5	4.5	5.5	3.0	2.5	8.5	6.5	10.0	12.0	21.5	15.5	15.0	16.0	16.0	15.5	12.5	9.5	7.0	5.5	4.5	2.5	4.5	9.0	21.5
23	7.0	4.5	6.5	7.0	2.5	2.0	3.0	2.5	2.5	10.0	8.5	7.0	6.0	7.5	9.5	9.0	6.0	5.0	4.0	3.5	8.0	6.0	4.0	3.0	5.5	10.0
24	4.5	6.5	9.0	9.0	5.5	4.0	5.5	4.0	3.0	4.5	4.5	14.5	15.5	15.0	14.0	16.5	12.5	15.5	9.5	12.5	9.0	3.5	3.5	2.5	4.5	16.5
25	3.5	5.5	5.0	6.0	5.5	3.0	3.0	3.0	4.5	4.5	3.5	3.0	6.5	3.5	4.0	3.5	5.5	7.5	10.5	4.5	6.0	5.0	4.5	5.0	10.5	10.5
26	8.0	4.0	4.0	3.0	3.5	3.0	3.0	3.0	2.0	3.0	3.0	3.0	4.5	5.0	7.0	6.0	7.0	7.5	10.5	5.5	10.0	5.5	7.0	9.0	5.0	10.0
27	9.0	6.5	5.0	4.5	6.0	6.0	6.5	4.5	3.0	4.0	4.0	5.0	7.0	6.5	8.0	10.5	17.0	15.5	10.0	6.5	6.5	4.5	3.5	1.5	6.5	17.0
28	2.0	3.0	6.5	5.5	4.0	2.5	1.0	4.0	5.0	18.0	21.0	23.0	22.5	20.0	21.0	17.5	14.5	8.0	9.5	8.0	9.5	7.0	3.0	2.5	10.0	23.0
29	3.0	3.0	5.0	2.5	3.0	4.5	6.0	5.0	3.0	4.0	5.0	8.0	8.5	6.0	5.5	8.5	8.0	4.5	5.5	5.0	9.5	7.0	6.0	8.5	5.5	9.5
30	7.5	8.5	3.5	3.5	4.5	5.0	6.0	6.0	7.0	8.5	15.0	23.5	19.5	19.5	20.5	11.5	5.5	7.5	6.5	4.5	5.0	6.0	6.0	6.0	9.0	23.5
31	5.5	8.0	10.0	11.0	7.0	9.0	7.0	6.5	4.0	3.0	3.5	5.0	4.5	5.5	6.0	5.5	4.5	6.0	5.0	4.5	2.0	4.0	8.5	7.5	6.0	11.0
AV	7.0	7.0	6.5	6.5	6.5	5.5	5.5	5.5	4.5	5.5	7.5	9.5	11.5	11.5	12.0	11.5	10.5	9.0	7.5	7.0	6.5	6.5	6.0	8.0	8.0	11.0
SD	3.0	4.0	3.5	4.0	4.0	3.0	3.5	3.5	2.5	3.5	5.5	5.5	6.0	5.5	5.5	5.0	5.0	4.5	3.5	3.5	3.5	3.5	3.0	2.5	1.0	11.0

WIND SPEED ICC1151
 MILES/HOUR
 LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 APR, 1980
 AEROVIRONMENT INC.

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 *
 * FINAL DATA *
 * AS OF 31/MAR/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	6.5	5.0	4.0	4.5	3.5	7.5	6.5	5.5	7.0	5.5	5.0	5.0	4.5	6.0	5.5	5.5	5.5	5.5	7.0	10.0	15.5	18.0	16.0	11.5	7.5	18.0	
2	12.5	4.5	7.0	8.5	7.5	6.5	8.0	5.0	4.5	4.5	7.0	9.5	9.0	7.0	9.5	11.5	9.5	8.0	7.0	7.0	4.5	8.5	9.5	9.0	7.5	12.5	
3	9.5	6.5	9.5	7.5	6.0	7.5	6.5	6.0	4.0	4.0	4.0	4.5	4.5	6.5	6.5	6.0	5.0	6.0	5.0	5.0	4.0	4.5	3.5	3.5	6.0	9.5	
4	3.5	1.5	3.0	3.5	4.5	4.0	6.5	3.5	2.5	4.0	4.5	5.5	5.0	6.0	4.5	8.0	7.5	7.5	6.0	9.0	10.0	10.5	6.0	6.0	5.5	10.5	
5	6.0	7.5	6.0	4.5	3.5	4.5	3.0	5.0	4.0	3.5	4.0	8.5	12.0	18.5	18.0	17.0	15.0	10.5	15.5	9.5	15.5	6.0	7.0	7.5	9.0	18.5	
6	4.0	12.5	16.0	15.0	9.5	10.5	6.0	4.5	7.0	7.5	8.5	20.0	18.5	21.5	24.5	26.5	24.0	19.5	7.5	3.5	10.5	11.0	5.0	5.0	13.5	26.5	
7	4.5	16.0	11.0	6.5	10.0	18.0	21.5	20.0	20.5	24.0	26.0	22.0	17.5	17.0	22.5	22.0	21.0	21.0	18.0	12.5	4.0	4.0	5.5	8.0	16.0	26.0	
8	7.5	7.0	5.5	5.0	5.0	4.5	3.5	2.0	4.0	4.5	4.5	5.5	6.5	10.0	9.5	10.5	5.5	3.5	4.5	6.0	9.5	4.0	2.5	4.5	5.5	10.0	
9	7.5	5.0	5.5	5.0	5.5	5.5	3.0	3.0	2.5	5.0	5.5	7.5	10.0	16.5	16.5	16.5	17.0	17.0	12.0	8.0	7.5	2.5	3.5	5.5	7.5	17.0	
10	2.5	5.0	3.5	4.0	4.0	3.5	15.5	21.0	16.5	10.0	14.5	21.0	24.0	25.0	27.0	25.0	25.0	24.0	21.5	19.5	17.0	8.0	18.5	8.0	15.0	21.0	
11	5.5	3.5	3.0	2.0	2.0	3.0	6.0	2.5	3.5	7.5	12.5	20.0	19.0	22.0	22.0	21.0	22.5	21.5	18.0	14.5	12.5	15.0	16.5	13.5	12.0	22.5	
12	11.5	6.0	3.0	5.5	5.5	4.5	3.0	3.0	6.0	6.0	8.0	8.5	9.5	10.0	12.5	16.0	17.0	16.5	17.5	17.0	13.5	12.0	10.0	8.5	9.5	18.5	
13	6.0	4.0	5.0	4.5	5.5	6.0	4.0	3.0	5.0	4.0	5.5	5.0	4.5	6.5	5.5	5.5	4.5	3.5	2.5	2.5	9.0	9.0	9.5	6.5	5.5	9.5	
14	5.5	6.5	5.0	6.0	5.5	6.0	5.0	3.0	3.5	4.0	4.5	4.5	6.0	5.5	7.0	7.0	4.5	4.0	2.5	5.5	11.0	5.5	8.0	8.0	5.5	11.0	
15	8.0	6.0	7.0	6.0	6.0	6.5	4.5	4.5	3.0	7.0	5.5	6.0	12.0	11.5	15.5	15.5	17.0	23.0	21.5	21.0	20.0	14.5	5.5	6.5	10.5	23.0	
16	6.0	10.5	11.0	8.0	6.5	5.5	10.0	5.0	4.0	4.0	5.0	6.5	7.0	9.0	10.0	8.0	8.0	7.0	6.5	5.0	7.0	9.0	8.0	7.0	7.0	11.0	
17	7.5	7.5	7.0	9.0	7.0	4.5	6.0	4.0	3.0	3.5	5.0	5.0	5.0	7.0	6.0	6.5	4.5	5.0	7.0	5.0	8.5	7.0	10.5	8.0	6.0	10.5	
18	6.5	5.5	7.0	9.0	7.5	5.0	5.0	2.5	2.5	3.0	4.5	6.0	6.5	9.0	10.0	11.5	11.5	11.0	11.0	9.5	6.5	5.5	7.5	7.0	7.0	11.5	
19	6.0	6.0	15.5	5.0	5.5	21.0	5.0	3.0	2.5	3.5	4.5	5.0	6.5	8.5	9.0	12.5	6.0	18.5	11.0	9.5	12.5	5.5	7.5	8.5	8.0	21.0	
20	6.0	5.5	8.0	7.0	5.5	6.0	4.0	2.0	3.5	3.5	5.5	7.0	10.5	12.0	16.0	16.0	15.5	14.0	10.5	10.5	12.5	14.0	11.0	11.5	9.0	14.0	
21	12.5	13.5	13.0	13.0	14.5	12.5	13.0	13.0	15.5	18.0	14.0	11.0	9.5	9.5	11.0	7.0	8.0	9.0	9.0	6.0	4.0	6.5	2.5	2.0	10.5	14.0	
22	4.5	6.0	4.5	2.0	3.5	3.5	6.5	4.5	3.0	4.0	6.0	7.0	8.5	12.0	17.5	15.5	18.0	16.0	17.0	16.0	5.5	10.5	11.5	6.5	8.5	18.0	
23	6.0	5.0	6.0	6.0	5.5	7.0	4.0	9.0	9.0	7.0	5.5	12.0	18.0	10.0	11.0	15.5	14.0	9.5	4.5	3.5	5.5	6.0	9.5	6.5	8.0	14.0	
24	6.0	4.0	5.0	4.5	3.5	4.5	5.0	3.0	4.0	5.0	5.5	9.0	10.0	4.0	8.0	12.0	14.0	11.5	11.0	8.5	10.5	10.0	5.0	7.0	7.0	14.0	
25	9.0	6.0	11.0	5.5	5.5	7.0	4.5	5.5	8.0	8.0	6.5	9.0	11.5	12.0	14.0	16.0	14.0	13.0	11.5	13.0	10.5	11.0	12.5	10.0	14.0	14.0	
26	8.0	5.0	4.5	6.0	7.5	6.0	3.5	3.0	3.5	7.5	7.5	6.0	8.0	7.0	6.5	7.0	7.0	7.5	7.0	5.5	3.5	7.5	7.0	7.0	6.5	8.0	10.5
27	6.5	10.5	10.5	7.0	6.5	7.0	4.0	3.0	4.0	3.5	5.5	4.5	6.0	6.5	7.5	7.5	6.0	5.5	7.0	5.5	4.0	4.0	2.5	5.5	6.0	10.5	
28	4.0	6.0	6.5	6.5	5.5	5.0	3.0	3.0	4.0	4.5	5.5	6.5	10.0	10.0	15.5	14.0	11.5	5.5	3.5	3.5	6.5	10.5	5.0	5.0	6.5	15.5	
29	7.5	6.5	7.5	6.0	4.0	6.0	3.5	3.0	3.5	5.0	12.0	12.0	14.0	11.5	16.0	17.5	10.0	10.5	11.0	9.0	6.5	9.0	4.5	8.5	17.5	17.5	
30	7.5	8.0	4.0	4.5	4.5	2.0	2.5	3.0	2.5	2.0	4.0	9.0	8.5	7.0	6.5	6.5	4.5	4.0	7.5	11.0	7.5	7.0	5.5	4.5	5.5	11.0	
AV	7.0	7.0	7.0	6.0	6.0	6.5	6.0	5.5	6.0	7.0	9.0	10.0	11.0	12.0	12.5	12.5	12.0	11.5	10.5	9.5	9.5	8.5	8.5	7.0	8.5	11.0	
90	2.5	3.0	3.5	2.5	2.5	4.0	3.5	5.0	4.0	4.0	4.0	5.5	5.0	5.0	6.0	6.0	6.5	6.5	6.0	5.0	4.0	3.5	4.0	2.5	3.0	11.0	

WIND SPEED 1CC1151
 MILES/HOUR
 LEVEL HEIGHT 3 20 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 MAY, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6.5	6.5	5.5	3.5	3.5	4.0	3.0	6.0	10.0	9.5	10.5	10.0	10.5	11.0	8.5	11.5	9.0	4.0	7.0	10.0	5.0	5.0	4.5	6.0	7.0	11.5	
2	4.0	3.5	4.5	5.5	3.0	3.5	3.0	3.5	3.5	4.0	4.0	5.5	13.5	11.0	10.5	15.0	6.0	6.0	7.5	5.5	5.0	7.5	7.5	5.5	6.5	15.0	
3	7.0	6.0	5.0	4.0	5.0	7.0	5.5	3.5	3.5	3.5	3.5	6.0	6.5	8.0	7.0	5.0	6.0	12.5	9.5	8.5	11.0	6.5	5.0	8.0	6.5	12.5	
4	4.5	7.5	5.5	5.0	4.5	4.5	6.0	4.0	3.0	3.5	5.0	4.5	5.5	7.5	13.5	13.0	10.0	11.0	13.0	9.0	8.5	9.5	10.5	12.0	7.5	13.5	
5	8.5	6.0	4.0	3.5	6.0	8.5	7.0	4.0	2.5	5.0	5.0	4.5	6.0	8.0	12.0	10.5	12.0	8.5	7.5	5.5	6.0	7.0	7.0	6.5	7.0	16.5	
6	5.5	5.0	7.5	8.5	7.0	5.0	4.0	3.5	4.0	4.0	4.0	5.0	7.0	11.0	12.0	13.0	9.5	9.5	9.0	6.5	3.5	7.0	5.0	2.5	6.5	13.0	
7	3.0	4.5	3.5	3.0	3.0	3.0	2.0	2.5	5.0	7.0	15.5	16.0	10.5	10.0	7.0	13.0	12.0	14.0	9.5	7.0	4.5	4.0	4.5	4.0	5.5	7.0	16.0
8	5.0	2.5	1.5	2.5	2.5	2.5	3.0	3.0	3.0	3.5	5.0	7.0	6.0	6.5	4.5	5.0	8.5	11.0	14.5	19.0	14.5	9.0	16.5	7.5	7.0	19.0	
9	4.5	9.0	4.0	4.5	8.0	4.5	3.0	3.5	5.0	18.5	20.5	20.5	14.0	17.0	19.5	19.0	10.0	7.0	6.5	7.0	5.5	6.0	4.5	3.5	9.5	20.5	
10	3.0	3.5	4.5	3.0	4.5	6.5	3.5	3.0	3.5	17.5	14.5	12.5	21.5	21.0	21.5	25.5	23.5	19.0	20.0	10.5	8.0	5.0	6.5	6.5	3.5	11.0	25.5
11	3.5	3.0	7.5	4.5	10.5	10.5	6.0	4.0	4.0	4.5	5.0	5.0	5.5	6.5	11.0	17.0	7.5	12.5	6.0	7.0	3.5	14.5	10.5	4.0	7.0	17.0	
12	8.0	10.5	4.5	3.0	3.5	4.5	8.0	7.0	14.0	13.0	13.5	13.0	15.0	12.5	10.5	13.0	13.0	10.5	8.5	7.0	3.0	4.0	2.0	2.5	8.5	15.0	
13	2.0	3.5	4.0	6.0	6.0	5.5	4.0	5.5	5.0	5.0	5.5	7.0	5.5	6.5	5.0	4.5	17.0	11.5	7.5	7.5	9.5	10.5	7.5	6.0	6.5	17.0	
14	7.0	9.0	8.0	7.0	4.5	5.0	5.5	2.5	3.0	4.0	4.0	3.5	4.5	4.0	10.5	12.0	12.0	16.5	12.0	8.5	10.0	6.0	6.5	4.5	7.0	14.5	
15	5.0	5.0	8.5	9.0	5.5	4.5	3.0	4.0	3.5	3.5	4.0	5.5	6.5	8.0	6.0	5.0	6.5	4.0	2.5	11.0	8.0	5.0	6.5	9.0	8.5	11.0	
16	5.5	4.5	4.5	7.0	4.0	6.0	4.0	2.0	3.0	7.5	5.5	5.5	10.5	11.5	10.5	8.5	10.0	15.0	13.0	17.0	5.5	5.5	5.5	9.0	8.5	17.0	
17	10.5	11.0	6.5	15.0	13.0	10.0	5.0	13.0	10.0	4.5	3.5	4.0	4.5	7.0	4.0	4.0	4.0	4.5	3.0	4.0	4.0	3.5	3.5	4.5	9.0	6.5	15.0
18	8.0	6.0	6.0	5.5	5.5	5.0	5.0	3.5	3.0	4.0	5.0	5.5	6.5	5.5	4.5	4.5	3.5	4.0	4.0	5.0	4.0	10.0	10.5	7.5	5.5	10.5	
19	6.5	9.5	5.5	7.0	8.0	6.5	5.0	3.5	3.5	5.0	5.5	6.0	6.0	7.5	6.5	6.0	8.5	5.5	6.0	5.0	5.0	6.5	9.5	10.0	6.5	10.0	
20	5.0	8.0	7.5	6.5	7.5	6.0	5.5	4.0	2.0	3.5	4.0	5.5	5.0	5.5	4.5	7.0	6.5	6.5	4.0	5.5	5.0	7.0	9.5	10.0	6.0	10.0	
21	7.0	6.5	5.5	7.5	8.0	5.0	4.5	3.0	3.0	3.5	4.0	3.5	4.5	6.0	5.0	5.0	5.5	3.5	4.0	5.0	7.5	10.5	11.5	9.5	6.0	11.5	
22	5.5	6.0	6.0	4.0	4.0	5.5	4.0	3.0	4.0	3.0	4.5	5.5	7.5	15.0	13.5	14.5	14.0	18.0	16.5	12.5	14.0	5.5	11.0	13.5	9.0	18.5	
23	13.0	3.5	8.0	10.5	13.0	14.0	20.0	17.5	21.5	20.5	20.0	21.0	16.5	17.5	20.0	19.0	20.5	21.5	13.0	7.0	7.0	8.0	12.0	15.0	15.0	21.5	
24	16.0	16.0	17.0	17.0	15.5	12.5	18.0	26.5	23.5	24.5	27.0	23.5	22.5	23.5	20.5	18.0	21.0	13.5	14.5	22.0	20.0	18.0	14.0	13.5	19.0	21.0	
25	10.0	11.5	14.5	9.0	4.0	10.0	13.5	14.5	16.0	16.5	17.0	18.0	19.5	16.5	17.0	17.0	10.5	10.0	7.5	7.5	7.0	7.5	5.0	4.0	12.0	19.5	
26	4.5	5.0	6.0	5.5	5.0	5.0	4.5	5.5	5.0	5.0	5.0	7.0	14.0	15.0	13.5	13.5	17.0	17.0	17.0	6.5	6.0	5.5	5.5	9.0	6.5	8.0	17.0
27	8.5	7.0	6.5	7.5	4.0	3.0	2.0	3.0	10.0	20.0	19.5	19.0	19.0	18.0	18.0	17.0	18.0	17.0	16.0	11.0	8.5	7.5	8.5	7.0	11.5	20.0	
28	6.0	5.5	5.0	5.5	6.5	5.0	3.5	3.5	17.5	20.0	17.0	16.5	16.5	13.5	14.5	19.0	19.5	18.5	16.5	10.0	5.5	6.0	9.5	10.5	11.5	20.0	
29	13.5	13.0	7.5	5.0	5.5	8.0	14.0	5.0	4.5	10.5	10.0	13.0	13.5	14.0	11.5	9.5	11.0	10.0	11.5	10.0	12.0	9.5	4.5	10.0	14.0	14.0	
30	5.5	5.5	6.5	6.0	5.5	5.0	3.0	4.0	4.0	4.5	4.0	5.0	9.0	9.0	13.0	14.0	14.0	13.0	17.0	15.0	10.0	8.0	10.0	9.0	8.5	17.0	
31	9.0	6.5	8.0	7.0	5.5	6.0	6.5	15.0	9.0	6.5	6.0	10.0	9.5	7.5	6.0	11.5	14.5	15.0	11.0	11.5	6.5	5.5	13.0	4.0	9.0	15.0	
AV	7.0	7.0	6.5	6.5	6.0	6.0	5.5	6.5	6.5	6.5	6.5	9.5	10.5	11.0	11.5	12.0	12.0	11.0	10.5	9.5	7.5	7.5	8.5	7.5	4.5	11	
80	3.0	3.0	3.0	3.0	3.0	2.5	3.5	6.0	5.5	6.5	6.5	6.0	5.5	5.0	5.0	5.5	5.0	5.0	5.0	4.0	3.5	3.0	3.0	3.0	3.0	3.0	1

WHITE RIVER SHALF PROJECT.#139
 BONANZA, UTAH
 SITE 6
 JUN. 1980
 AEROENVIRONMENT INC.

WIND SPEED ICC1151
 MILES/HOUR
 LEVEL HEIGHT 20 METERS

.....
 *
 * FINAL DATA *
 * AS OF 31/MAR/81 *
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CLOCK HOUR ILOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK	
1	7.5	8.0	8.5	7.5	8.5	6.5	4.5	4.5	4.5	6.0	7.0	10.5	12.0	8.5	14.0	13.5	9.0	8.0	15.5	10.5	7.0	8.0	8.5	10.5	8.5	15.5	
2	9.0	8.0	5.5	5.0	4.5	4.0	3.5	4.0	14.5	18.5	15.5	15.5	17.5	18.0	19.5	18.5	20.5	21.0	19.0	17.0	8.0	9.5	10.5	12.0	12.5	21.0	
3	11.5	13.5	13.0	7.5	10.5	10.0	9.5	13.0	21.0	19.5	19.0	22.0	20.5	21.5	20.5	20.5	18.0	20.0	20.0	16.0	13.0	9.5	11.0	13.0	14.0	15.5	22.0
4	12.0	13.0	15.0	12.0	11.5	9.5	2.5	5.0	18.0	21.5	22.0	20.0	20.0	20.0	21.0	20.5	19.0	20.0	16.0	11.5	12.5	12.5	12.0	9.5	15.5	22.0	
5	11.0	7.0	7.0	9.5	10.0	9.0	6.0	4.0	4.5	7.0	15.5	18.5	20.0	17.0	19.5	20.5	21.0	19.5	17.0	14.0	13.5	10.5	10.0	9.5	13.0	21.0	
6	6.5	3.5	7.0	7.5	3.5	4.0	17.0	17.5	17.0	21.0	21.0	22.5	21.5	20.5	20.0	21.0	20.0	23.0	21.5	17.5	10.5	7.0	6.0	5.0	14.5	23.0	
7	4.5	6.5	7.5	7.5	7.5	4.5	2.0	5.0	5.0	6.0	6.0	6.0	6.0	9.0	7.0	6.5	9.0	7.0	10.0	8.0	5.0	8.0	8.5	9.0	7.0	10.0	
8	8.0	7.5	5.5	7.0	7.0	7.5	6.5	3.0	3.5	5.0	5.0	5.0	5.0	8.5	7.5	9.0	9.5	9.5	11.5	8.5	5.0	5.5	6.5	9.0	7.0	11.5	
9	6.5	7.5	8.5	7.5	8.0	7.5	6.0	3.0	4.5	4.5	4.5	4.5	6.0	7.5	9.5	8.0	9.0	6.5	9.0	8.5	5.5	7.0	11.0	13.0	7.0	17.0	
10	9.0	4.5	5.5	9.5	8.0	8.0	4.5	2.5	4.0	5.0	5.5	6.5	11.5	17.0	16.5	15.0	14.0	16.0	13.5	12.5	12.5	10.0	5.0	2.5	9.0	17.0	
11	6.5	5.5	4.0	3.5	6.5	5.0	4.0	3.5	4.5	10.5	19.0	22.0	21.0	19.5	20.5	20.5	17.0	17.0	17.5	14.0	14.5	17.5	16.5	16.0	13.0	22.0	
12	9.5	7.0	4.0	6.5	8.0	4.0	7.0	10.0	15.0	18.5	19.0	18.0	18.0	20.5	19.0	19.5	19.0	20.0	16.0	15.0	11.5	3.5	5.5	13.0	20.5		
13	7.0	6.5	7.0	6.5	6.5	6.5	5.5	2.5	3.5	6.0	17.0	19.5	20.5	18.0	19.5	17.0	19.5	18.0	16.5	16.5	17.0	10.5	10.0	7.5	12.0	20.5	
14	6.5	10.5	3.5	4.5	6.5	4.5	2.5	2.5	7.0	10.5	19.5	19.0	20.5	20.0	20.0	20.5	17.5	18.5	19.5	19.5	21.0	16.5	13.5	10.5	13.0	21.0	
15	7.5	7.5	6.5	6.0	6.0	4.5	6.5	3.5	7.5	9.0	10.5	11.0	11.0	11.0	14.5	16.5	13.5	12.0	11.5	11.5	7.5	11.0	5.0	4.0	8.5	16.5	
16	7.5	4.5	3.5	3.5	6.5	6.5	6.0	4.0	4.5	4.0	7.0	8.5	6.5	7.0	8.0	8.5	5.5	7.0	5.5	4.0	6.5	10.5	8.5	9.5	6.5	10.5	
17	6.0	7.0	6.5	6.0	5.5	7.0	4.0	2.5	3.5	4.5	4.5	5.0	5.5	6.0	8.5	10.0	8.0	5.0	1.5	1.5	7.0	7.0	7.5	10.0	6.0	10.0	
18	7.5	5.0	5.0	6.5	5.5	6.5	4.0	3.0	3.0	4.5	7.0	10.5	9.0	6.0	7.0	10.0	10.5	9.5	12.5	7.0	7.5	18.0	6.0	11.0	7.5	14.0	
19	8.0	6.5	5.0	7.5	6.5	7.5	4.0	2.5	3.5	4.5	6.0	5.0	7.5	9.5	18.0	21.0	19.5	11.5	7.5	6.0	3.5	7.5	6.0	8.5	8.5	21.0	
20	7.5	7.0	7.5	6.0	6.0	7.5	4.0	2.5	3.5	4.5	6.0	7.0	6.5	11.0	14.0	13.5	14.5	10.0	12.5	15.0	12.0	11.0	10.5	4.5	8.5	15.0	
21	6.0	4.5	6.5	7.0	8.0	5.5	5.5	4.0	4.5	6.0	8.5	7.5	13.5	17.0	16.0	17.0	17.0	17.5	12.0	8.0	6.0	7.0	8.5	7.5	9.0	17.5	
22	6.5	6.5	5.5	4.5	5.5	6.5	4.5	4.0	4.0	4.0	5.5	6.5	9.5	7.0	14.0	14.0	13.0	13.0	11.5	12.0	10.5	12.0	6.5	6.0	8.0	14.0	
23	10.0	9.5	17.0	10.0	11.5	13.0	9.5	14.5	21.5	23.0	20.5	21.5	21.5	24.0	24.5	21.5	21.0	20.5	15.5	12.0	10.5	10.5	5.0	6.5	16.0	24.5	
24	8.0	9.0	8.5	7.0	6.5	6.5	4.0	2.5	4.0	3.0	6.0	14.5	17.5	15.5	14.5	16.0	15.0	16.5	16.5	11.5	17.0	10.0	9.5	13.0	10.5	17.5	
25	9.5	5.5	6.5	4.0	6.5	7.0	3.0	2.5	3.0	4.0	9.5	17.0	17.5	16.5	17.0	17.5	18.5	19.5	18.5	17.0	17.0	8.5	11.0	11.0	11.0	19.5	
26	7.0	8.0	7.0	4.5	4.0	6.0	4.0	4.0	9.5	19.0	20.5	20.5	19.5	20.0	21.0	20.0	18.5	19.5	18.0	17.0	14.0	15.5	13.0	4.0	13.0	21.0	
27	11.0	14.0	15.0	9.5	9.5	10.5	15.0	9.5	6.0	6.5	7.5	9.5	15.0	16.0	16.5	14.0	19.5	19.0	19.0	15.0	4.5	4.5	2.5	6.0	12.0	19.5	
28	6.5	10.5	8.0	6.0	5.5	7.5	4.0	4.5	6.5	3.5	5.5	6.0	8.0	8.5	9.5	8.5	8.5	6.0	4.5	3.0	5.0	5.5	2.5	8.0	6.5	10.5	
29	7.0	6.0	5.5	6.0	7.0	7.5	6.0	5.5	6.0	5.0	6.5	11.0	15.0	10.5	9.5	9.0	14.0	21.5	9.0	5.5	13.0	7.0	8.0	8.0	8.5	21.5	
30	6.0	6.0	3.5	3.0	3.5	4.0	5.0	5.0	12.0	11.0	17.0	16.5	14.5	8.5	6.0	6.5	8.0	6.0	6.0	5.0	11.5	11.0	12.5	8.0	8.5	17.0	
AV	8.0	7.5	7.5	6.5	7.0	7.0	6.0	5.0	7.5	9.0	11.5	13.0	14.0	14.5	15.0	15.5	14.5	14.5	14.0	11.5	10.5	10.0	8.5	8.5	10.5	11.1	
SD	2.0	2.5	3.5	2.0	2.0	2.0	3.5	4.0	5.5	6.5	6.5	6.0	5.5	5.5	5.5	5.0	4.5	5.5	5.0	5.0	4.0	3.0	3.5	3.0	3.0	3.1	

WIND SPEED (CC115)
 MILES/HOUR
 LEVEL HEIGHT 20 METERS
 WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 6
 AS OF 31/MAR/81
 JUL. 1980
 AEROENVIRONMENT INC.

DAY	CLOCK HOUR (LOCAL STANDARD TIME)																								AVE PFAK		
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
1	4.0	5.5	7.0	5.0	7.0	5.0	4.0	5.5	4.0	7.5	4.5	4.0	9.0	9.0	6.0	10.5	17.0	7.0	11.0	11.5	13.0	8.0	10.5	6.5	4.0	7.5	17.0
2	4.0	3.5	3.0	4.5	5.0	3.0	5.5	3.5	3.5	3.0	3.5	4.0	5.0	5.0	6.0	4.5	5.5	3.5	3.5	8.0	11.0	10.5	10.5	8.5	6.5	6.0	11.0
3	7.0	5.5	5.0	6.5	5.0	3.5	3.0	2.5	4.5	5.0	5.5	6.5	7.5	6.0	6.0	8.0	14.0	10.5	11.0	11.0	7.5	6.5	7.0	4.5	6.0	6.5	14.0
4	6.5	5.5	14.5	21.5	17.0	13.5	16.0	8.5	5.5	5.0	9.0	5.5	11.0	9.0	5.5	8.5	6.5	7.5	7.5	7.5	11.0	10.5	4.0	8.5	9.5	21.5	10.5
5	8.5	6.0	5.0	5.5	7.0	7.0	4.5	3.5	4.5	5.5	8.0	8.5	9.5	17.0	18.5	17.5	17.0	16.0	12.5	8.5	12.5	16.0	12.0	6.5	10.0	14.5	18.5
6	4.0	5.5	5.0	7.5	8.0	11.0	4.5	3.0	3.5	4.5	6.0	5.5	8.0	10.0	14.5	14.0	15.5	20.5	13.5	9.5	6.5	8.0	4.0	8.0	8.5	20.5	14.5
7	9.0	8.5	12.0	8.5	8.0	5.5	4.5	2.5	3.0	8.0	20.0	22.5	15.5	12.0	16.5	17.0	13.0	9.5	9.5	4.0	2.0	14.0	4.5	22.5	10.0	22.5	14.0
8	12.0	7.5	8.5	5.5	3.5	2.5	3.5	5.5	10.5	12.0	11.5	9.5	12.0	13.0	16.5	16.5	17.0	22.5	4.5	9.5	6.0	4.5	4.5	4.5	10.0	22.5	10.0
9	5.5	7.5	8.0	6.5	4.5	4.5	3.5	4.5	4.5	5.5	6.5	9.0	7.0	6.0	8.0	8.0	7.5	7.0	7.0	7.0	7.5	10.0	4.5	5.5	6.5	10.0	10.0
10	7.0	9.5	8.0	7.5	5.0	6.0	5.5	3.5	3.5	5.5	8.5	10.0	15.5	15.5	12.5	14.5	17.0	17.0	13.0	7.0	5.5	4.0	4.0	4.0	4.0	17.0	17.0
11	4.0	6.0	7.5	9.0	6.5	5.0	4.0	3.0	4.5	4.0	5.5	9.0	7.0	16.0	14.5	9.0	6.5	5.5	3.5	4.0	4.0	9.5	11.5	7.0	16.0	16.0	16.0
12	12.5	4.0	4.0	6.0	6.0	4.0	9.0	11.5	10.5	10.0	14.0	4.5	17.0	18.0	14.5	17.5	9.5	5.0	3.0	12.5	13.5	11.5	5.5	9.5	14.0	14.0	14.0
13	3.0	3.0	6.0	4.0	2.5	11.0	10.0	4.0	8.5	15.0	8.5	5.5	9.5	17.0	22.0	12.5	15.0	13.0	8.0	11.5	7.5	11.5	8.5	5.5	9.5	22.0	22.0
14	2.5	4.5	4.5	5.0	3.5	5.0	4.5	3.5	8.0	11.5	9.0	11.0	14.0	17.5	19.5	20.0	16.0	15.0	16.0	12.0	11.0	7.0	8.0	4.0	9.5	20.0	20.0
15	8.0	6.0	4.5	3.5	5.5	5.5	4.5	2.0	3.0	5.0	8.5	11.0	12.0	11.5	14.5	14.5	16.5	15.0	13.5	15.0	10.5	5.5	5.5	12.0	9.0	16.5	16.5
16	8.5	7.5	7.5	7.0	9.0	6.5	5.0	3.5	4.5	6.0	5.5	7.5	11.0	9.0	9.0	9.0	5.0	3.5	3.0	3.5	3.0	6.0	9.5	11.0	6.5	17.0	17.0
17	10.0	7.5	6.0	8.0	9.5	8.0	4.0	3.5	3.0	5.5	7.0	9.0	10.5	9.0	13.0	17.0	17.5	14.0	12.0	9.5	3.0	6.0	7.0	7.0	11.0	11.0	11.0
18	7.5	5.0	2.5	3.5	4.5	5.5	5.0	3.5	3.5	3.0	4.5	6.5	9.0	11.5	8.5	13.0	13.0	10.0	11.0	7.0	10.5	11.0	5.5	6.5	7.0	13.0	13.0
19	5.0	3.5	2.5	5.5	4.5	3.0	3.5	4.0	5.0	10.5	12.5	11.0	15.0	17.0	16.0	14.5	13.0	14.5	16.0	14.0	9.5	6.5	6.5	9.0	17.0	17.0	17.0
20	7.5	7.0	7.5	7.5	6.0	6.0	4.5	2.5	5.0	4.5	6.0	7.0	9.5	13.0	13.0	10.5	8.0	7.0	8.0	8.0	5.0	5.5	4.5	6.5	7.0	13.0	13.0
21	9.5	9.0	9.0	8.0	7.0	6.5	2.0	4.0	6.5	6.0	4.5	7.0	7.5	8.5	12.0	11.5	11.0	10.0	7.5	2.0	4.0	4.0	9.0	9.0	7.5	12.0	12.0
22	7.5	13.0	6.5	9.5	5.0	4.5	3.5	3.0	4.0	6.0	6.5	9.0	14.0	12.5	13.0	13.5	14.5	12.5	11.5	7.5	7.5	3.5	5.0	6.0	4.5	14.5	14.5
23	9.0	8.5	7.5	3.0	4.0	6.5	5.5	3.0	2.5	4.5	8.5	8.5	6.0	10.0	17.0	22.0	9.5	8.5	17.5	4.5	5.0	8.5	5.0	6.5	7.5	22.0	22.0
24	6.5	7.0	7.0	5.5	6.5	5.0	5.5	4.0	5.0	6.0	6.5	8.0	10.5	14.5	10.0	6.0	14.0	18.5	20.5	19.5	6.5	5.0	5.0	5.0	8.5	20.5	20.5
25	5.5	6.5	8.0	7.5	6.0	6.5	5.0	5.5	5.0	5.5	4.5	6.5	8.5	10.5	12.0	9.0	9.0	4.5	7.0	11.5	9.5	12.0	12.5	6.5	7.5	12.5	12.5
26	6.0	6.5	9.5	8.5	5.0	7.0	6.0	3.5	3.0	6.5	4.0	4.5	8.0	10.5	13.5	13.0	11.0	14.0	7.5	11.5	9.0	5.0	6.5	8.0	8.0	14.0	14.0
27	9.0	9.0	8.0	7.0	6.0	6.0	5.0	4.0	2.5	3.5	4.5	6.0	7.0	7.5	8.0	6.5	12.0	8.5	3.5	6.5	4.5	9.5	10.0	7.0	12.0	12.0	12.0
28	9.0	6.5	9.0	8.5	8.0	7.0	4.5	3.5	4.0	6.0	6.0	6.0	10.5	11.5	10.0	8.5	6.5	6.0	3.5	7.0	10.0	9.5	6.5	7.5	11.5	11.5	11.5
29	4.5	5.0	6.0	8.0	6.0	4.5	4.0	4.5	4.0	6.5	9.0	11.0	18.0	20.0	9.0	15.5	10.5	9.5	3.5	6.5	9.0	6.0	7.0	8.0	20.0	20.0	20.0
30	8.0	4.5	3.5	8.0	6.0	4.5	4.0	4.0	6.0	6.0	7.5	8.0	11.0	10.5	12.0	11.0	11.5	10.5	6.0	5.0	7.0	10.0	10.5	7.5	12.0	12.0	12.0
31	8.5	7.5	8.0	10.5	6.5	7.0	6.0	3.5	4.5	6.5	6.0	6.5	4.0	6.5	7.5	8.5	14.0	13.0	12.0	7.0	3.0	4.5	9.0	7.5	14.0	14.0	14.0
AV	7.0	6.5	7.0	7.0	6.5	6.5	5.0	4.0	4.5	6.0	6.5	7.5	9.0	11.5	13.0	12.5	12.0	11.5	10.5	8.5	4.5	8.0	7.0	7.0	4.0	1.0	1.0
SD	2.5	2.5	2.5	3.0	2.5	2.5	1.5	2.0	2.0	3.0	2.0	2.5	3.0	4.0	4.5	4.0	3.5	4.5	4.5	4.5	3.5	3.0	2.5	2.5	1.0	1.0	1.0

ABOUT (29 JAN 81)

WIND SPEED (CIC15)
 MILES/HOUR
 LEVEL HEIGHT 1 20 FEETERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 AUG. 1980
 AEROMOVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK
1	7.0	6.0	7.5	8.0	7.0	6.5	6.0	4.0	4.0	3.5	4.0	6.5	10.5	7.5	10.5	13.5	18.5	19.5	7.5	7.5	13.0	7.0	4.0	5.5	4.0 19.5
2	6.5	6.0	4.5	5.5	9.0	8.0	5.5	3.0	5.0	5.5	5.0	7.0	11.0	16.0	12.0	7.5	12.5	15.0	16.5	11.0	7.0	3.0	4.5	11.0	8.0 16.5
3	7.0	6.5	11.0	6.0	6.5	11.0	8.0	2.0	2.5	3.0	6.0	12.0	17.5	16.0	17.0	16.0	17.0	17.0	16.5	18.5	15.5	17.0	6.5	8.5	11.0 18.5
4	6.5	6.0	5.0	8.0	5.5	3.5	5.0	3.5	6.0	9.5	12.0	12.0	11.5	12.5	12.0	13.0	17.0	17.0	16.0	9.0	4.0	10.5	11.5	9.5	9.5 17.0
5	10.0	10.0	7.0	6.0	5.0	6.5	5.0	5.0	3.0	5.0	6.5	8.5	9.5	8.0	7.0	10.0	16.5	15.5	14.5	10.5	10.0	9.5	10.0	7.5	4.5 14.5
6	3.5	4.5	6.0	3.5	6.0	4.0	4.0	3.0	4.5	10.0	8.5	9.5	10.5	17.5	17.0	16.5	13.5	14.0	12.0	9.5	10.0	11.5	9.0	4.0	9.0 17.5
7	4.0	6.0	8.5	9.5	6.0	5.0	5.5	2.5	4.5	5.0	8.0	7.0	8.5	6.5	6.0	7.5	6.0	5.5	6.5	6.5	5.5	10.5	5.5	6.5	6.5 10.5
8	9.5	6.5	6.5	7.5	8.0	7.0	5.0	4.0	4.0	5.5	8.0	11.0	13.0	17.5	16.5	13.5	7.0	7.5	4.0	5.5	7.5	11.0	4.0	4.0	4.0 17.5
9	9.0	13.5	8.0	5.0	4.5	3.5	3.5	9.0	12.0	13.0	11.0	12.0	14.0	17.0	17.0	13.0	13.0	10.0	6.0	4.0	5.5	8.0	6.0	6.0	9.5 17.0
10	10.5	5.5	8.5	7.0	6.5	7.0	8.0	4.5	3.5	3.5	4.0	6.5	15.5	16.5	17.0	17.0	16.0	16.0	15.5	15.0	13.5	5.0	8.0	8.5	10.0 17.0
11	6.0	4.5	8.0	7.0	5.5	7.0	5.5	3.5	4.0	4.0	4.5	8.0	6.0	6.5	7.0	7.5	5.0	4.5	6.5	7.5	13.5	12.0	12.0	7.0	7.0 13.5
12	6.5	7.5	8.0	7.0	5.5	6.0	5.5	4.5	4.0	11.5	10.5	12.5	13.5	9.5	8.0	14.5	10.5	10.5	9.5	8.5	12.5	15.5	12.5	5.0	9.0 15.5
13	3.0	5.0	4.0	6.5	2.5	7.0	6.0	2.5	2.5	4.0	6.5	7.0	9.5	8.0	15.5	17.0	15.5	15.5	11.5	6.5	9.0	14.5	7.5	5.5	4.0 17.0
14	3.5	4.5	4.0	1.5	4.0	5.0	5.5	5.5	3.5	5.5	6.0	8.0	6.5	7.0	12.0	11.0	10.5	10.0	14.5	17.5	9.5	5.0	6.0	3.5	7.0 17.5
15	6.0	5.0	10.5	10.5	11.0	7.0	6.0	2.0	3.0	3.5	8.0	7.0	14.5	15.0	20.5	19.0	16.5	17.0	6.0	10.0	14.5	8.0	8.0	6.0	10.0 20.5
16	6.0	6.5	6.0	6.5	9.0	5.5	7.5	7.0	4.5	5.0	8.5	9.0	9.5	11.5	10.5	10.0	10.0	6.0	6.0	6.5	12.5	8.5	7.5	5.5	7.5 12.5
17	8.0	8.5	11.0	8.5	7.0	6.0	4.5	3.0	3.0	4.0	5.0	4.5	4.5	7.0	10.0	7.5	7.5	6.0	7.0	9.0	6.5	8.0	6.5	9.0	6.5 11.0
18	6.0	5.5	6.0	5.0	3.0	4.0	3.5	4.0	4.5	9.5	17.0	18.0	20.5	20.0	22.0	22.0	22.5	21.0	18.0	16.5	14.0	12.5	11.0	11.0	12.5 22.5
19	10.5	12.0	13.5	12.0	11.5	12.5	13.5	17.0	20.5	22.0	19.0	21.5	19.0	24.0	17.0	17.0	9.5	23.0	11.0	6.5	8.5	9.0	5.5	5.0	14.5 24.0
20	3.0	6.0	7.5	11.0	10.0	10.5	10.5	7.5	4.5	7.0	6.0	8.5	9.0	10.0	7.0	5.5	4.5	4.5	4.5	5.0	6.5	6.0	5.5	8.0	7.0 11.0
21	10.0	8.0	6.0	6.5	6.5	7.0	6.5	3.5	3.0	4.5	6.0	5.5	6.0	8.0	9.0	8.5	8.5	4.5	5.5	5.0	6.5	6.0	5.5	8.0	7.0 10.0
22	6.5	6.0	6.5	6.0	8.0	6.5	4.0	2.5	2.5	4.0	4.5	4.5	13.0	17.0	20.5	18.0	18.5	18.0	18.0	13.0	9.5	10.5	7.0	4.0	9.5 20.5
23	10.0	7.5	6.0	6.0	4.5	4.0	3.0	3.5	9.5	13.0	17.0	13.0	14.5	13.0	15.5	14.0	5.5	12.0	13.0	10.0	11.5	15.5	7.5	8.0	10.0 17.0
24	4.0	2.5	4.0	3.0	4.0	3.5	4.0	1.5	2.5	4.5	6.5	7.5	8.5	5.5	8.0	10.0	10.0	9.5	13.0	9.5	6.5	6.0	14.0	14.0	7.0 14.0
25	4.5	4.0	6.5	9.5	6.5	5.0	4.5	4.0	3.5	3.5	4.0	14.0	9.5	9.5	7.5	9.5	11.5	5.0	3.5	2.5	5.5	8.0	5.5	4.5	6.5 14.0
26	4.0	5.0	7.0	5.0	6.0	6.0	5.0	5.0	3.5	3.0	3.5	4.0	5.0	6.0	9.5	16.0	10.5	12.0	5.0	6.0	6.5	6.5	8.5	7.5	7.5 14.0
27	5.5	7.0	7.0	6.0	7.5	6.0	5.5	3.5	4.0	4.5	5.0	4.0	10.5	16.5	18.0	13.5	17.5	7.5	9.0	6.0	6.0	3.5	4.5	4.0	7.0 14.5
28	4.5	2.5	3.5	3.5	4.0	4.5	5.0	5.0	4.0	3.5	10.0	19.0	21.0	19.5	20.5	19.0	17.0	15.0	14.0	14.0	15.0	15.5	15.0	11.0	11.0 21.0
29	13.0	12.5	13.5	13.5	8.0	2.5	2.5	3.5	7.5	13.0	12.0	14.0	17.0	19.5	17.0	16.5	16.0	13.5	9.0	10.0	4.5	2.5	2.5	2.5	10.5 19.5
30	4.5	3.0	4.0	4.5	4.0	4.5	6.5	6.5	4.0	3.5	4.5	4.5	8.5	6.5	10.5	19.5	18.0	17.0	21.0	12.0	5.5	3.5	5.5	5.5	4.0 21.0
31	5.5	9.5	6.5	7.0	7.5	6.0	7.5	5.0	2.0	4.0	3.5	3.5	6.0	11.5	12.5	16.0	11.5	9.0	6.0	6.5	9.0	7.5	5.5	6.5	7.5 14.0
AV	6.5	6.5	7.0	7.0	6.5	6.0	6.0	4.5	4.5	6.0	7.5	6.5	11.0	11.5	13.0	13.5	13.0	12.5	11.0	9.5	9.0	4.0	8.0	7.5	4.5 11
SD	2.5	2.5	2.5	2.5	2.0	2.0	2.0	3.0	3.5	4.0	4.0	4.0	4.5	5.0	5.0	4.5	4.5	5.0	5.0	4.0	3.0	4.0	3.0	3.0	2.0 11

WIND SPEED (CROSS)
MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6
SEP, 1980
AEROMONITORING INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	9.0	7.0	7.5	9.0	7.0	6.0	8.5	4.5	3.5	3.5	3.5	4.5	6.5	8.5	5.5	5.5	5.0	4.0	2.5	4.5	5.5	4.5	6.5	6.5	6.0	9.0
2	6.5	8.0	7.5	6.5	5.0	7.5	5.5	3.0	4.0	4.0	4.5	7.0	8.5	10.5	15.0	18.5	17.5	17.0	11.0	9.5	10.0	9.5	8.5	4.0	8.5	18.5
3	3.0	3.5	3.5	3.0	3.0	7.5	5.5	3.0	2.5	5.5	7.5	8.0	8.5	10.5	12.0	17.0	13.5	12.0	11.0	7.0	7.0	8.0	12.5	7.5	8.0	17.0
4	8.5	8.0	8.5	8.5	6.5	6.5	6.5	6.0	3.5	4.0	4.5	3.5	4.5	7.0	10.0	9.0	6.5	4.0	2.5	6.0	10.5	8.0	8.0	6.0	6.5	10.5
5	6.5	7.5	7.5	7.5	8.0	5.5	7.0	4.5	2.5	4.5	4.0	4.5	4.5	4.5	6.5	7.5	6.5	7.5	8.0	5.0	9.0	11.0	7.5	3.5	6.5	11.0
6	4.5	5.0	3.5	5.0	5.0	7.5	6.0	4.5	5.5	11.0	10.5	9.0	8.5	10.0	12.0	16.5	10.0	8.5	5.5	5.5	10.0	7.0	5.0	3.5	7.5	16.5
7	9.5	6.5	4.0	3.0	4.0	5.5	5.5	2.5	3.0	9.0	6.0	4.5	3.0	4.5	3.5	4.5	11.0	6.0	5.5	3.0	5.0	4.5	4.5	4.5	5.0	11.0
8	6.5	8.0	6.0	6.5	7.5	2.5	2.0	3.5	11.0	8.0	5.5	3.5	3.5	4.0	4.0	2.5	4.5	3.5	7.0	4.0	1.0	3.5	5.5	6.0	5.0	11.0
9	6.5	5.0	4.5	1.5	2.0	2.5	4.0	2.5	5.0	6.5	6.0	5.5	7.0	11.0	11.0	7.5	5.5	5.0	9.0	9.5	5.0	3.5	2.5	2.5	5.5	11.5
10	3.0	1.0	4.0	4.5	4.0	2.5	3.0	1.5	4.5	2.5	16.5	6.0	6.0	4.0	7.5	4.5	3.0	9.0	9.5	10.5	5.0	5.0	10.0	5.5	16.5	5.5
11	7.0	4.5	6.5	5.0	5.0	4.5	4.0	4.0	4.0	19.0	18.0	17.0	18.0	19.5	16.5	17.5	15.5	7.0	4.5	8.0	7.0	7.5	8.0	7.5	9.5	19.5
12	6.5	7.5	7.0	5.5	4.5	4.0	3.5	5.0	4.0	7.5	6.0	5.0	6.5	6.5	5.5	5.5	9.0	6.5	3.5	11.5	7.0	8.5	9.0	6.0	6.5	11.5
13	5.0	6.5	6.0	3.0	4.0	5.0	4.5	2.5	2.0	4.0	4.0	13.5	20.0	18.5	18.0	19.0	18.0	14.5	12.0	7.5	9.0	11.5	11.5	10.5	9.5	20.0
14	9.0	7.0	8.5	7.5	6.0	4.5	6.5	5.0	4.5	6.0	15.0	14.0	11.0	9.0	10.5	10.0	6.5	5.0	2.5	8.5	8.0	5.0	6.0	6.0	7.5	15.0
15	6.5	5.5	4.5	6.0	7.0	6.0	6.0	4.0	4.5	4.5	5.0	6.0	8.5	12.0	14.5	14.5	11.5	12.0	10.5	10.5	6.5	7.5	4.0	2.0	7.5	14.5
16	5.0	3.0	2.5	3.0	6.5	6.5	6.5	5.0	4.5	9.0	19.5	20.5	20.0	17.0	18.0	18.5	17.0	17.5	19.5	18.0	15.0	8.0	10.0	7.5	11.5	20.5
17	9.5	9.5	7.5	8.5	7.5	8.5	10.5	6.0	4.0	5.0	8.5	10.5	11.0	12.5	10.0	8.0	6.5	11.5	4.5	3.5	8.0	12.5	10.5	8.0	8.5	12.5
18	8.5	7.0	9.0	6.0	6.0	5.5	5.5	3.5	3.0	3.5	4.5	4.5	9.5	10.0	19.5	19.0	17.5	14.5	12.5	9.5	14.5	19.5	18.0	14.5	10.0	19.5
19	14.0	12.5	13.0	15.0	16.0	16.0	15.5	14.0	17.0	12.5	19.0	19.0	20.0	20.5	18.5	19.0	14.5	11.0	8.0	10.5	14.0	15.5	9.0	5.0	15.0	20.5
20	8.5	4.0	4.5	5.5	8.0	8.0	5.5	4.0	3.0	4.5	5.5	8.5	6.5	6.5	8.0	7.5	5.5	4.0	7.5	10.5	8.5	7.5	11.0	8.0	6.5	11.0
21	5.0	6.0	5.0	3.0	5.0	4.0	7.0	4.0	3.0	7.5	12.5	13.5	15.0	13.5	20.5	20.0	10.5	10.5	11.0	11.0	12.0	4.0	4.0	2.0	8.5	20.5
22	1.0	2.5	2.0	2.5	2.5	3.0	3.5	3.5	3.5	5.5	7.5	5.5	6.0	6.5	6.0	6.0	5.0	5.0	5.5	5.0	9.0	7.5	9.5	8.5	5.0	9.5
23	9.5	7.5	8.0	7.5	7.0	6.5	5.5	5.0	4.0	3.5	4.5	4.5	7.0	8.5	5.5	5.5	5.0	6.5	7.0	4.5	8.0	8.0	3.5	7.0	6.5	9.5
24	10.5	9.5	10.0	11.0	8.0	7.5	7.5	6.0	3.0	4.0	9.0	14.5	16.5	15.0	9.0	6.5	3.5	2.0	4.5	7.5	9.5	9.0	8.5	8.5	8.5	16.5
25	7.5	6.0	6.5	5.0	7.0	8.0	5.0	2.5	4.5	4.0	6.5	7.5	6.0	6.5	9.0	7.0	8.0	4.0	3.5	6.5	9.5	9.0	8.0	9.0	6.5	9.5
26	7.5	8.0	6.5	5.5	7.5	5.5	7.0	4.5	2.0	3.0	4.0	6.0	5.0	5.0	5.5	7.5	7.0	5.5	6.0	7.5	4.0	4.5	8.5	7.5	6.0	9.5
27	6.0	7.0	7.0	4.5	6.0	5.0	4.5	3.0	2.0	3.0	4.0	4.0	6.5	6.0	6.0	8.0	6.0	5.0	4.0	7.5	9.0	9.5	8.0	6.0	6.0	9.5
28	9.0	7.5	8.5	7.5	6.5	5.0	6.0	3.5	2.5	3.5	4.0	4.5	5.5	8.5	8.0	7.5	4.5	4.5	8.0	8.0	6.5	6.5	6.5	6.5	6.0	9.0
29	7.5	9.0	9.0	8.0	5.5	8.5	7.5	6.5	4.0	3.5	4.5	4.5	7.5	6.5	6.0	7.0	7.5	6.0	4.0	5.5	10.5	9.5	10.5	9.0	7.0	10.5
30	6.5	8.5	7.5	6.5	4.5	6.0	6.0	4.5	3.5	3.5	4.0	6.5	5.0	6.0	6.0	6.5	5.0	4.0	4.0	9.0	5.5	9.0	7.5	8.5	6.0	9.0
AV	7.0	6.5	6.5	6.0	6.0	6.0	6.0	4.5	4.0	6.0	8.0	8.0	9.0	9.5	10.5	10.5	9.0	8.0	7.0	8.0	8.5	6.0	8.0	7.0	7.5	11.0
SD	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	3.0	3.5	5.0	5.0	5.0	4.5	5.0	5.5	4.5	4.0	4.0	3.0	3.0	3.5	3.0	2.5	2.0	11.0

WIND SPEED (CROSS)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

OCT. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK	
1	7.5	8.0	7.0	6.5	6.0	7.5	8.0	5.0	3.5	3.0	5.5	5.5	5.5	4.5	7.0	5.5	4.5	7.0	5.0	4.0	4.0	5.0	7.0	5.0	5.5	8.0
2	6.5	8.5	5.5	3.5	5.0	5.5	8.0	14.5	10.5	11.0	8.5	8.0	6.5	6.5	5.0	4.5	3.5	2.0	3.0	7.0	8.0	7.0	8.0	10.0	7.0	19.5
3	8.0	6.0	6.0	5.5	6.5	6.0	4.5	5.0	3.0	2.5	4.0	5.0	4.0	4.5	4.5	5.0	2.5	2.0	4.0	6.5	9.5	9.0	8.5	10.0	5.5	10.0
4	9.0	7.0	7.0	7.5	5.5	6.0	4.5	5.5	3.0	3.5	3.0	4.0	5.0	5.5	5.5	7.5	3.5	4.5	6.0	9.0	6.5	8.0	10.0	9.5	6.0	10.0
5	8.0	7.5	7.5	8.5	7.5	6.5	7.0	6.5	3.5	3.5	4.0	4.5	4.5	6.0	8.0	7.0	5.5	5.0	3.0	6.5	9.5	10.5	10.0	9.5	6.5	10.5
6	6.0	7.0	8.0	8.0	9.5	6.5	6.5	2.5	2.5	2.5	4.0	5.0	7.0	6.5	6.0	6.0	6.5	5.0	3.5	7.0	10.5	9.5	8.0	7.0	6.5	10.5
7	7.0	6.0	7.0	5.5	6.0	5.5	4.5	5.0	2.5	3.0	3.5	5.0	4.5	5.5	6.0	6.0	5.5	3.0	3.0	8.0	10.0	9.0	9.5	9.0	6.0	10.0
8	7.5	9.0	7.0	6.5	7.0	6.0	3.5	3.5	2.5	3.0	3.5	4.0	6.5	7.0	5.0	3.5	2.5	2.5	4.0	9.5	8.0	9.0	7.0	9.0	6.0	9.5
9	9.0	8.5	8.0	6.0	4.5	4.5	6.0	6.0	4.0	3.5	5.0	5.0	4.5	4.5	7.5	7.0	6.5	4.0	3.5	5.0	5.0	6.5	9.0	9.5	6.0	9.5
10	9.5	6.0	4.0	3.0	4.5	3.5	5.0	3.0	3.5	7.5	10.5	9.0	7.5	5.5	5.0	6.0	3.5	5.0	3.0	4.5	8.5	8.5	10.0	9.5	6.0	10.5
11	8.5	9.0	6.0	7.5	6.5	5.5	5.0	5.0	3.5	3.0	3.5	5.5	7.0	9.0	5.0	3.5	3.0	6.0	7.5	4.0	5.5	4.0	5.5	3.0	5.5	9.0
12	3.0	3.5	4.5	4.5	4.5	5.0	4.0	4.5	5.5	7.0	9.5	6.5	11.0	9.5	4.0	4.5	9.0	10.5	5.0	3.0	7.0	8.0	5.5	3.5	6.0	11.0
13	4.5	11.0	9.5	4.0	3.5	3.5	5.0	2.5	3.5	5.5	5.5	7.0	7.5	6.5	5.5	8.0	4.5	4.5	6.0	7.5	11.5	10.5	5.5	4.5	6.0	11.5
14	3.5	5.0	5.0	5.5	4.5	3.0	2.5	3.0	2.0	4.5	4.0	9.5	4.0	8.0	6.5	10.0	9.5	20.0	13.5	10.5	7.5	4.5	8.0	10.5	7.0	20.0
15	6.5	7.0	8.0	3.5	6.0	11.5	15.0	4.5	7.5	9.0	10.5	14.5	14.0	19.0	14.5	13.5	10.0	8.0	5.0	5.5	6.5	5.0	5.5	4.5	9.0	19.0
16	7.0	7.5	1.5	7.5	7.0	4.5	8.5	4.5	5.5	8.0	7.0	6.5	6.5	5.0	6.0	5.5	5.0	10.5	13.5	12.0	14.5	14.0	13.5	13.5	4.5	14.5
17	13.5	6.5	3.5	6.0	7.0	8.0	7.0	7.0	5.0	4.5	9.5	12.5	14.5	13.0	16.5	17.5	11.0	11.5	14.0	12.5	8.5	7.5	6.5	7.5	9.5	17.5
18	8.5	9.0	10.0	9.5	9.5	10.0	8.0	8.5	6.0	6.5	4.0	4.0	5.0	6.0	4.0	5.0	2.0	2.0	2.5	8.5	7.5	4.0	7.0	7.5	6.5	10.0
19	7.0	5.5	5.5	5.5	7.0	4.5	4.0	4.5	3.0	3.0	5.0	4.0	5.0	6.0	8.0	5.5	6.0	6.0	3.0	6.0	9.0	8.5	9.0	7.0	6.0	9.0
20	6.5	5.5	6.5	5.0	5.5	4.5	5.5	5.5	3.5	3.0	3.5	4.5	5.0	5.5	5.5	3.5	3.0	1.5	4.0	8.0	6.5	5.5	6.0	7.0	5.0	8.0
21	6.5	7.5	5.5	6.0	9.5	6.5	4.5	4.5	3.5	2.0	4.0	4.5	4.5	5.0	5.0	3.0	3.0	5.5	7.5	6.0	2.0	4.5	7.0	5.0	5.0	9.5
22	6.0	5.5	4.5	4.5	6.0	5.0	3.0	5.5	3.5	4.5	15.5	19.5	18.5	18.0	23.5	23.0	25.5	24.5	17.0	14.0	10.0	4.5	3.0	3.5	11.0	25.5
23	4.5	4.5	6.0	4.0	7.5	13.0	6.5	3.5	8.5	9.0	11.0	7.5	6.5	5.0	4.5	4.0	5.0	2.5	5.0	6.5	7.5	9.0	8.0	5.0	6.5	14.0
24	4.5	5.0	5.0	7.5	6.0	5.5	5.0	3.5	2.5	3.0	4.0	3.5	5.0	5.0	5.5	4.0	7.5	7.5	3.0	6.5	8.0	6.5	8.0	5.0	6.5	14.0
25	9.5	5.5	6.5	5.0	5.5	7.5	6.0	3.0	3.0	3.0	4.5	5.5	5.5	7.0	6.5	6.5	2.5	1.5	5.5	7.0	8.5	6.0	4.5	9.5	5.5	9.5
26	5.5	4.5	4.0	2.5	3.0	3.5	2.0	3.5	1.5	1.0	5.0	8.5	9.0	9.0	7.5	4.5	1.5	3.0	4.5	1.0	.5	3.0	3.5	1.5	4.0	9.0
27	2.0	3.5	5.0	5.5	7.0	6.0	2.5	3.0	4.0	11.5	12.0	12.5	13.0	15.0	13.0	16.5	15.5	15.5	12.0	11.5	10.5	10.5	6.0	5.5	9.0	10.5
28	8.0	5.0	3.0	2.0	1.5	3.0	2.0	2.0	2.5	3.0	4.0	5.0	5.0	4.0	4.5	5.0	3.0	7.0	4.0	5.5	8.5	7.5	6.5	7.5	4.5	9.5
29	5.0	5.0	6.0	4.0	4.5	4.0	3.0	3.5	2.5	2.5	4.5	4.0	5.0	5.0	4.0	3.5	4.0	5.0	3.5	6.0	7.0	6.5	8.0	7.5	5.0	8.0
30	5.0	7.0	6.0	4.0	4.5	5.0	4.0	3.5	2.0	2.5	3.5	4.5	5.5	4.0	3.0	3.5	2.0	5.5	3.0	6.0	6.0	8.5	7.5	9.5	3.0	9.5
31	7.5	6.5	5.0	4.5	5.5	5.5	4.5	5.0	3.0	2.0	3.0	3.5	4.5	5.0	4.0	6.0	5.0	3.5	4.0	5.5	6.5	8.0	8.0	7.5	3.0	9.0
AV	7.0	6.5	6.0	5.5	6.0	6.0	5.5	5.0	4.0	4.5	6.0	6.5	7.0	7.5	7.0	7.0	6.0	6.5	6.0	7.0	7.5	7.5	7.0	7.5	6.5	6.5
90	2.0	1.5	2.0	2.0	1.5	2.5	2.5	2.5	2.5	2.5	3.5	3.5	3.5	4.0	4.5	4.5	5.0	5.0	4.0	4.0	2.5	2.5	2.0	2.5	1.5	1.5

ABOUT (29 JAN 81)

WIND SPEED (C@15)

MILES/HOUR

LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT.#139

HONANZA, UTAH

SITE 6

NOV. 1980

AEROSPIRATION INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.5	6.0	6.5	6.5	5.5	5.5	5.5	6.0	5.0	3.5	3.0	4.5	5.0	5.0	3.0	3.0	4.5	2.5	4.5	9.0	7.5	8.0	6.0	5.5	5.5	9.5	
2	4.5	7.5	8.0	5.5	6.0	5.5	4.0	4.0	4.0	2.5	3.5	2.5	5.0	4.0	4.5	6.0	7.5	5.0	4.5	7.5	7.0	8.0	8.0	9.5	5.5	9.5	
3	6.5	4.5	6.5	6.5	4.5	5.5	6.0	4.0	4.0	2.5	2.5	3.5	4.0	4.5	2.0	2.5	2.5	6.5	4.0	7.0	7.0	5.0	5.0	7.0	5.0	7.0	
4	8.0	6.0	6.0	6.0	6.5	6.5	6.0	6.5	3.0	3.0	4.0	4.5	4.0	4.0	2.0	3.5	2.0	2.5	3.0	6.0	8.0	9.0	6.5	6.5	5.0	9.0	
5	6.5	6.5	6.5	5.0	5.0	4.5	4.0	4.0	3.5	2.5	3.0	4.0	4.5	5.0	5.0	5.0	6.0	7.0	4.0	6.5	8.0	9.0	9.0	9.0	5.5	9.5	
6	8.0	5.0	7.0	7.0	6.0	5.0	5.0	5.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	3.5	5.0	4.5	3.0	6.5	3.0	5.0	5.0	8.0	
7	3.0	3.0	4.0	4.5	5.0	4.0	3.5	2.0	2.0	3.0	3.0	3.0	4.0	4.5	14.5	15.0	14.0	11.0	13.5	8.0	4.5	4.0	2.5	4.0	6.0	15.0	
8	8.0	8.0	7.0	11.0	12.5	9.0	8.5	14.0	12.0	12.5	13.5	16.0	17.5	18.5	19.0	17.5	14.5	8.0	5.5	7.0	12.0	10.5	10.0	10.5	12.0	19.0	
9	6.5	6.0	6.0	5.5	7.5	4.0	4.5	5.5	2.5	3.0	3.5	5.0	5.5	5.0	3.5	3.5	2.0	2.5	2.0	3.0	4.5	4.5	5.5	5.0	4.5	7.5	
10	4.5	2.5	3.5	4.5	3.0	4.0	3.0	2.0	2.0	3.5	4.0	4.0	5.0	6.5	4.0	2.5	3.0	3.0	6.5	7.0	6.5	9.5	8.0	7.0	4.5	9.5	
11	5.0	4.5	4.0	3.5	4.0	4.5	3.5	4.5	2.5	2.0	3.0	2.5	5.0	4.5	2.5	1.0	3.0	2.5	6.0	8.0	8.0	6.5	3.0	2.0	4.0	8.5	
12	2.0	2.5	5.5	4.5	7.5	8.5	6.5	7.5	3.0	3.5	16.5	21.5	17.0	17.5	15.5	17.0	12.5	14.5	9.5	7.5	8.5	7.0	3.5	3.0	9.5	21.5	
13	2.5	3.5	2.5	2.0	2.0	3.5	11.0	10.0	15.5	18.5	16.0	12.5	10.5	9.5	8.5	10.5	9.5	9.5	11.0	12.0	11.0	10.0	9.5	9.0	10.5	18.5	
14	6.5	6.5	6.5	7.0	5.5	6.5	6.5	7.5	5.0	3.0	4.5	4.5	5.0	6.5	8.0	8.0	9.0	8.5	5.5	7.0	8.0	6.5	6.5	5.0	6.5	9.0	
15	4.5	3.5	2.0	3.0	3.0	3.5	3.0	2.5	2.0	3.5	6.5	7.0	5.0	5.0	3.5	3.5	6.0	5.5	3.5	4.0	8.5	4.0	3.0	3.5	5.5	11.5	
16	4.5	3.5	2.0	3.0	3.0	3.5	3.0	2.5	2.0	4.0	3.0	4.5	4.0	5.0	3.5	3.0	1.5	2.5	4.5	8.0	8.5	11.0	5.5	8.0	4.0	7.0	
17	5.0	3.5	7.0	5.5	6.5	8.0	9.0	5.5	6.0	4.0	3.0	4.5	4.0	4.0	3.5	3.0	1.5	2.5	4.5	4.0	8.5	11.0	5.5	8.0	5.5	11.0	
18	6.0	5.5	6.0	8.0	8.5	5.5	4.5	6.0	4.0	2.5	3.0	3.5	4.5	6.0	4.5	5.0	3.5	3.0	6.0	7.5	7.0	8.0	9.0	8.0	5.5	9.0	
19	6.0	7.0	7.0	7.0	6.0	5.0	6.5	5.0	2.5	2.5	3.5	4.0	4.0	3.5	4.0	3.5	2.5	5.5	3.5	6.5	7.5	6.5	8.5	9.5	5.5	9.5	
20	6.5	5.0	5.5	7.5	6.0	5.0	3.5	3.5	5.5	3.5	3.5	4.0	4.5	5.5	4.5	5.0	5.0	3.5	6.5	9.0	8.0	6.0	5.5	5.5	5.5	9.0	
21	6.5	5.0	7.0	6.0	8.5	6.5	5.5	3.5	4.0	2.5	3.0	3.5	4.0	4.5	5.0	5.0	4.5	3.0	7.0	7.0	4.5	4.5	3.5	4.0	5.0	8.5	
22	5.0	3.0	2.0	4.0	4.0	4.0	4.0	4.0	2.5	2.5	2.5	3.0	4.0	3.5	5.0	5.0	7.5	7.5	7.0	5.0	6.0	5.0	4.5	4.0	4.5	7.5	
23	5.0	5.0	6.5	5.0	6.0	6.0	5.5	5.5	5.0	3.0	4.5	5.0	3.5	6.5	5.0	4.0	5.0	3.0	4.5	5.5	9.5	3.5	4.0	4.0	5.0	9.5	
24	9.5	4.0	3.5	2.5	2.5	3.0	4.0	6.5	7.0	4.0	4.0	3.5	3.0	2.0	2.0	4.0	4.0	11.0	4.0	11.0	7.5	3.5	4.5	3.5	5.0	11.0	
25	6.5	5.5	5.5	3.5	6.0	3.5	4.0	3.5	3.5	2.0	3.0	4.0	4.0	3.0	3.5	4.0	2.5	4.0	4.0	5.5	5.5	4.0	4.0	4.0	4.0	6.5	
26	4.5	5.0	6.5	4.5	6.0	4.5	7.5	8.0	5.0	3.0	2.5	4.5	5.0	5.0	4.0	4.0	1.0	3.0	5.0	4.5	5.5	7.0	10.0	8.5	5.0	10.0	
27	6.5	6.0	5.5	5.0	3.5	6.0	3.5	4.5	4.0	2.0	3.0	4.5	6.0	5.0	2.5	2.5	3.5	4.5	4.5	3.0	3.0	4.0	5.0	3.5	4.0	6.5	
28	3.5	3.5	3.0	4.5	4.0	3.5	5.0	4.0	7.5	3.5	4.0	5.0	5.0	4.5	3.5	4.5	4.5	3.0	3.0	3.0	2.0	2.0	4.0	4.0	4.0	7.5	
29	3.5	1.5	3.0	4.5	3.5	4.0	3.5	3.0	4.0	3.5	3.5	3.5	3.5	3.0	3.0	3.5	1.5	3.0	3.0	3.0	3.5	3.0	2.0	2.5	3.0	4.5	
30	2.0	2.5	2.5	3.0	2.5	3.0	2.5	2.5	4.0	3.0	3.0	3.0	8.0	5.5	7.5	8.0	9.5	9.5	6.5	5.0	6.5	10.0	17.0	8.5	5.5	17.0	
AV	5.5	4.5	5.5	5.5	5.5	5.5	5.0	5.5	5.0	4.0	4.5	5.5	5.5	6.0	5.5	5.5	5.5	5.5	5.5	6.5	6.5	6.0	6.0	5.5	5.5	5.5	17.0
SD	2.0	1.5	1.5	2.0	2.5	2.0	2.0	2.5	3.0	3.5	3.5	4.0	3.5	3.5	4.0	4.0	3.5	3.5	2.5	2.5	2.5	2.5	3.0	2.5	2.0	17.0	

WHITF RIVER SHALE PROJECT, #1139
 ROMANZA, UTAH
 SITE
 DEC. 1980
 AEROENVIRONMENT INC.

WIND SPEED 1CC1151
 MILES/HOUR
 LEVEL HEIGHT : 20 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.0	7.5	4.5	1.5	3.0	5.0	5.5	6.0	3.0	8.0	7.5	17.5	12.5	9.5	7.0	5.0	9.0	7.5	5.0	7.5	5.5	5.0	5.0	4.0	4.0	6.5	17.5
2	3.0	3.0	3.5	3.0	4.0	5.0	3.5	6.0	4.0	3.0	4.0	5.0	3.0	2.5	3.5	4.0	3.0	2.0	3.0	3.5	3.0	3.0	4.0	4.0	3.0	3.5	6.0
3	3.5	4.0	3.5	4.0	3.0	3.0	4.0	6.5	5.0	3.0	4.0	3.5	4.0	6.5	9.5	8.0	13.5	8.5	8.0	10.0	11.5	5.5	2.5	4.0	4.0	6.0	13.5
4	4.0	5.5	4.5	4.0	4.5	2.5	4.0	11.0	17.0	19.5	21.0	23.0	23.0	23.5	21.0	17.5	15.5	19.5	8.5	5.0	9.0	11.0	16.5	9.5	12.5	23.5	
5	7.5	12.5	12.0	5.5	3.5	4.5	4.0	2.0	4.0	4.0	4.5	9.0	5.0	4.0	5.5	6.5	7.5	4.5	5.5	4.5	4.5	3.0	5.0	2.5	5.5	12.5	
6	4.0	2.5	3.0	2.0	3.0	3.5	2.0	3.5	3.5	5.0	3.0	3.5	4.0	3.0	2.0	5.0	4.5	10.0	5.5	4.0	3.0	3.5	2.0	2.5	3.5	10.0	
7	2.0	2.5	4.0	1.5	3.5	3.0	3.5	5.0	2.5	3.0	3.5	6.0	5.0	5.5	6.5	4.0	1.5	3.0	9.5	9.0	5.5	6.5	5.5	5.5	4.5	9.5	
8	5.0	5.0	6.0	4.5	2.0	2.5	4.0	4.5	3.0	3.0	4.0	5.5	7.0	8.5	8.0	6.5	5.5	3.5	4.5	6.0	8.0	11.0	7.5	6.0	5.5	11.0	
9	7.0	6.5	3.5	3.0	1.5	3.5	2.0	3.0	4.0	4.0	6.0	6.0	6.0	5.5	4.0	3.5	2.5	3.0	5.5	8.5	7.0	5.0	6.5	7.5	5.0	8.5	
10	5.5	5.5	6.5	4.5	6.0	7.0	4.5	3.5	3.0	3.0	3.5	3.5	4.0	5.5	5.0	5.5	6.0	4.0	2.5	4.0	2.5	4.5	4.0	5.0	4.5	7.0	
11	7.0	5.0	4.5	3.5	5.0	3.0	4.5	4.5	3.5	2.0	3.5	4.5	4.5	6.5	4.0	5.5	6.0	3.5	5.0	4.5	7.0	7.0	7.0	7.0	5.0	4.5	
12	4.5	4.5	7.0	4.5	4.5	5.0	5.0	5.5	4.0	2.0	2.5	3.5	3.0	4.5	4.5	5.0	5.0	6.0	3.0	6.0	6.0	4.5	6.5	6.5	4.5	7.0	
13	7.5	6.0	4.5	4.5	5.5	5.0	5.0	4.0	4.0	2.5	3.0	3.0	3.5	3.5	3.0	3.0	4.5	4.5	7.0	8.5	7.0	5.5	5.5	9.0	5.0	4.5	
14	8.5	7.5	5.0	5.0	4.0	5.0	7.0	4.0	4.0	3.0	3.0	4.0	3.5	3.5	4.5	6.5	5.0	4.0	4.0	5.0	5.5	5.0	4.0	4.5	5.0	4.5	
15	6.0	6.0	4.5	4.5	4.0	3.5	3.5	4.0	4.0	2.5	3.5	4.0	6.5	4.0	2.5	3.5	2.5	5.0	7.0	3.0	6.0	7.0	6.0	4.5	4.5	7.0	
16	4.0	4.5	5.0	3.5	4.0	3.5	5.0	3.0	2.5	2.5	3.5	3.0	3.5	6.0	7.5	6.0	6.5	4.0	4.0	4.0	4.5	7.0	6.0	5.5	4.5	7.5	
17	4.5	7.5	5.0	3.0	2.5	2.5	5.5	4.0	3.0	2.5	3.0	3.5	3.5	4.5	5.0	6.5	8.5	4.5	5.0	3.5	5.5	6.0	6.0	5.5	4.5	7.5	
18	4.0	6.5	2.0	2.5	4.0	3.0	2.5	2.5	2.0	2.5	2.5	3.0	3.5	5.5	6.0	7.5	6.0	4.5	4.5	7.0	4.0	4.0	5.0	5.5	4.0	7.5	
19	6.5	8.5	5.5	5.5	5.0	5.0	4.5	5.5	5.5	3.0	3.0	4.0	3.0	3.0	3.5	4.5	4.5	3.0	4.0	8.0	5.0	5.0	6.5	7.0	5.0	4.5	
20	6.5	5.5	4.5	4.0	4.5	5.0	4.5	3.5	3.0	1.5	3.0	2.5	3.5	4.0	2.5	5.5	5.0	3.0	4.5	6.0	3.5	3.5	2.0	1.5	3.5	4.5	
21	6.0	4.0	5.5	3.0	3.5	4.5	4.5	3.5	4.0	2.0	3.0	3.5	3.5	4.0	2.5	3.5	3.0	2.5	4.0	3.5	1.5	3.0	7.5	4.0	4.5	6.0	
22	3.0	3.0	4.5	5.0	4.5	3.0	3.0	3.0	3.5	5.5	6.0	6.0	3.5	2.5	3.0	6.0	7.0	5.5	2.5	3.0	1.5	3.0	7.5	4.0	4.5	6.0	
23	3.0	3.0	4.5	6.0	8.0	9.0	6.5	5.0	4.5	6.5	6.0	7.5	5.5	4.0	5.0	5.0	2.0	3.5	8.5	7.5	10.0	8.0	6.5	6.5	6.0	10.0	
24	6.0	7.5	6.5	5.0	4.0	4.0	4.0	4.0	5.0	3.0	3.0	3.5	4.5	5.0	4.5	4.5	4.5	2.5	4.0	6.0	4.5	5.0	4.0	4.0	5.0	4.5	
25	4.5	4.0	7.0	4.0	2.5	4.0	4.5	5.5	4.0	4.0	3.0	5.0	5.0	5.0	5.5	5.5	4.5	3.0	3.5	7.0	4.0	5.5	7.0	6.5	5.0	7.0	
26	6.5	4.0	7.0	4.0	2.5	4.0	4.5	5.5	4.5	4.0	4.5	3.0	3.0	3.5	3.5	5.0	6.0	4.0	4.5	5.0	4.0	6.0	7.5	7.0	5.0	6.0	
27	6.5	4.0	5.0	6.5	4.5	4.0	5.5	5.5	4.0	2.5	2.5	3.0	3.0	5.0	4.5	4.0	6.5	3.5	3.5	3.5	5.5	5.0	4.0	5.5	4.5	6.5	
28	5.0	4.0	5.0	3.5	3.5	4.5	4.5	3.0	3.0	3.0	2.5	4.0	6.0	4.5	5.5	5.0	3.5	2.5	4.0	7.0	6.5	7.5	8.0	6.5	5.0	6.0	
29	7.0	7.0	7.5	6.0	5.5	5.0	5.0	6.0	4.5	3.5	3.0	3.0	4.0	3.5	4.5	4.5	3.5	3.0	6.0	9.5	8.5	6.5	7.0	8.0	5.5	9.5	
30	5.0	5.5	6.5	5.5	5.5	4.0	7.5	5.0	3.5	3.5	2.0	3.5	3.5	5.0	7.0	7.5	6.5	3.0	4.5	6.0	8.5	5.0	5.0	7.5	5.5	4.5	
31	6.5	4.5	4.0	3.5	5.0	4.5	4.0	3.0	3.5	1.5	3.0	2.5	3.0	6.0	5.0	5.0	6.5	2.5	3.5	6.0	5.5	6.0	7.0	4.5	4.5	4.5	
AV	5.5	5.5	5.0	4.0	4.0	4.0	4.5	4.5	4.0	4.0	4.0	5.5	5.0	5.5	5.5	5.5	5.5	4.5	5.0	6.0	6.0	5.5	6.0	6.0	5.0	6.0	
90	1.5	2.0	1.5	1.5	1.0	1.5	1.0	1.5	2.5	3.0	3.5	4.5	4.0	3.5	3.5	2.5	3.0	3.0	2.0	2.0	2.0	2.0	2.5	2.0	1.5	1.5	

WIND SPEED ICC171
 MILES/HOUR
 LEVEL HEIGHT : 30 METERS
 WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 6
 JAN, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	5.0	2.0	2.0	4.5	7.5	6.0	5.0	5.5	5.5	2.5	4.0	3.5	3.0	3.5	3.5	4.0	5.0	2.5	3.0	3.0	2.0	3.0	3.0	3.0	4.0	7.5
2	2.0	1.5	2.0	4.5	5.0	3.5	2.0	2.0	3.0	3.5	2.5	2.5	2.5	4.0	3.0	3.0	3.5	4.5	4.5	7.0	5.0	4.5	3.0	2.5	3.0	7.0
3	2.0	2.0	2.0	4.5	5.0	6.0	6.0	5.0	4.0	2.5	2.0	2.0	2.0	3.0	4.5	4.5	4.5	3.0	3.0	2.5	2.0	2.5	2.0	2.5	3.0	6.0
4	3.0	2.5	2.5	2.5	2.5	2.0	3.0	2.5	3.0	3.5	2.0	2.0	3.0	3.5	3.0	3.0	3.5	3.5	4.0	3.0	2.5	3.0	2.0	3.5	3.0	4.0
5	3.0	3.5	2.5	2.0	3.0	4.0	4.0	2.5	2.5	2.0	2.0	3.0	3.0	3.0	3.5	4.5	2.5	7.0	5.5	2.0	2.5	4.0	4.0	4.0	3.0	7.0
6	2.5	4.0	3.0	6.0	5.0	4.0	5.5	6.5	8.0	7.5	8.5	8.0	14.0	14.5	15.5	15.5	14.0	8.5	5.5	6.5	6.0	3.0	2.0	2.0	7.5	15.5
7	2.0	2.0	3.0	3.0	2.5	2.0	3.5	3.5	2.5	3.0	3.0	4.5	6.0	6.0	6.0	4.5	4.0	5.0	7.0	8.5	10.0	4.5	3.5	3.5	4.5	10.0
8	3.0	4.5	2.0	2.5	2.5	3.5	3.0	3.0	2.0	2.5	3.5	4.0	3.5	4.0	3.0	3.0	3.0	3.5	8.0	7.0	6.5	9.5	13.0	4.0	13.0	4.0
9	8.5	5.5	6.5	4.5	4.5	5.5	3.5	9.0	14.5	16.0	19.5	21.0	19.5	18.0	22.0	14.0	16.0	12.5	15.5	17.0	16.5	16.5	16.5	13.0	13.5	22.0
10	12.0	14.5	24.0	22.0	21.5	17.0	14.5	14.5	23.5	23.0	23.5	25.0	24.5	22.0	19.5	24.0	20.5	19.5	24.0	21.5	18.5	14.0	5.0	6.0	19.0	25.0
11	11.0	12.5	8.5	9.0	9.0	8.0	5.5	5.0	5.0	5.5	2.0	2.0	2.5	11.0	3.0	3.0	2.5	3.0	3.0	4.5	4.0	3.5	5.0	2.5	5.5	12.5
12	3.0	3.5	3.0	3.5	2.5	3.5	6.5	5.5	3.0	4.0	2.5	5.0	4.5	2.5	3.5	3.5	4.0	3.0	5.5	5.0	3.0	2.0	4.5	4.5	4.0	16.5
13	6.0	3.0	3.0	3.5	3.0	2.5	2.0	3.0	2.0	2.5	3.5	3.5	5.0	5.0	2.5	3.5	4.0	3.0	2.5	2.0	6.0	4.0	6.0	7.5	3.5	7.5
14	18.5	17.0	15.5	14.5	15.5	18.0	13.0	10.5	17.0	13.0	13.5	8.0	7.5	6.5	4.5	3.0	4.0	5.0	5.0	3.5	5.5	2.5	3.5	3.5	9.5	18.5
15	3.0	3.5	3.5	4.0	4.0	4.0	3.5	3.0	5.0	1.5	2.5	4.0	4.5	4.5	4.5	3.0	5.5	5.5	5.0	3.5	4.5	2.5	2.5	2.0	4.0	8.5
16	2.0	3.0	2.0	4.0	4.0	4.0	6.0	5.0	3.5	1.5	2.5	3.5	3.5	4.5	7.0	7.5	5.5	5.0	3.0	4.5	4.5	2.0	2.5	2.0	4.0	8.5
17	3.0	3.5	3.0	2.5	3.0	3.5	2.5	3.5	2.5	2.5	2.5	3.5	6.0	7.5	5.5	4.0	3.5	5.5	5.0	2.0	4.5	4.5	4.5	3.5	4.0	7.5
18	2.0	2.0	4.0	2.5	2.5	2.5	2.0	3.0	3.0	3.0	2.5	3.5	6.0	7.5	5.5	4.0	3.5	5.5	4.5	2.0	2.5	4.0	4.0	4.0	4.0	8.0
19	24.0	20.5	18.5	10.0	11.0	9.5	15.5	17.0	14.0	13.0	9.5	11.0	10.5	12.0	8.5	9.0	5.5	11.0	8.0	16.5	20.0	23.5	24.0	20.5	7.5	24.0
20	6.0	4.5	4.0	10.5	8.0	6.0	6.0	9.0	4.5	2.5	6.5	6.5	6.0	4.5	5.5	5.0	6.0	7.0	5.0	2.5	2.5	1.5	2.5	2.0	5.0	10.5
21	3.0	3.5	3.5	3.5	4.5	3.0	3.5	2.0	4.5	4.0	3.5	4.0	3.5	4.5	3.0	5.0	5.0	5.0	7.5	6.5	7.0	7.5	5.5	4.5	4.5	8.0
22	4.5	4.5	4.5	5.0	6.0	4.0	4.0	5.5	4.0	5.0	4.5	4.0	3.5	5.0	4.0	5.0	3.0	3.5	3.5	3.5	6.0	6.0	8.0	4.5	4.5	8.0
23	6.0	3.5	7.5	4.0	3.5	6.5	3.0	4.0	3.0	2.5	3.0	5.0	5.5	6.5	6.0	4.0	4.0	4.0	4.0	4.0	3.5	4.5	4.5	6.5	4.5	7.5
24	4.0	3.0	3.0	3.5	4.0	4.0	2.5	3.5	3.0	5.5	3.5	3.0	3.0	4.0	4.0	3.0	4.5	5.5	4.5	4.0	4.5	4.0	3.0	4.0	4.0	5.5
25	4.0	8.0	7.5	5.0	3.5	5.0	5.0	3.5	2.5	3.0	3.0	3.0	2.5	3.0	3.5	5.5	4.5	8.5	5.5	10.0	12.0	12.5	12.0	12.5	6.0	12.5
26	14.5	13.0	7.5	5.0	4.0	13.0	4.0	5.5	4.0	8.0	4.0	5.0	6.0	8.5	9.5	13.5	15.0	14.5	16.0	12.5	11.0	8.0	10.0	8.5	9.0	16.0
27	4.0	2.5	4.5	4.0	3.5	1.5	1.0	3.0	3.0	3.5	3.5	5.5	4.5	4.0	4.0	4.0	3.0	5.5	7.0	3.0	4.0	9.0	4.0	3.5	4.0	9.0
28	5.0	5.0	8.0	6.0	6.0	6.0	3.5	4.0	3.5	4.0	4.5	4.0	4.0	4.0	4.0	4.0	5.0	3.0	3.0	2.5	2.0	3.5	2.0	1.5	4.5	8.5
29	2.5	3.5	1.5	1.5	3.0	1.5	2.0	2.0	2.0	2.5	3.0	3.0	2.5	6.0	6.5	7.5	9.0	4.5	5.5	3.5	4.5	7.0	4.5	4.0	4.0	9.0
30	7.0	7.0	9.5	11.0	9.0	8.5	6.5	10.0	6.0	3.5	2.0	2.5	2.5	3.0	2.5	2.5	2.0	3.0	4.5	8.0	7.0	6.5	3.5	7.0	5.5	11.0
31	6.0	5.0	5.5	5.0	7.0	7.0	3.5	2.5	5.5	2.0	2.0	3.0	2.5	2.5	2.5	3.0	6.0	4.5	4.5	4.5	6.0	3.0	2.5	2.5	4.0	7.0
AV	6.0	5.5	5.5	5.5	5.5	5.0	5.5	5.5	5.5	5.0	5.0	5.5	5.5	6.5	6.0	6.0	6.0	6.5	6.0	6.0	7.0	6.5	5.5	5.5	6.0	11.0
SD	5.0	5.0	5.0	4.0	4.0	3.5	3.5	3.5	5.0	5.0	5.0	5.0	5.0	4.5	4.0	5.5	4.5	4.0	4.5	4.5	5.0	5.0	4.5	4.5	3.5	11.0

WIND SPEED (CC117)

MILES/HOUR
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT.#119
BONANZA, UTAH
SITE 6

FEB. 1980

AEROENVIRONMENT INC.

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* * * * *
* * * * * FINAL DATA
* * * * * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.5	3.0	4.0	2.5	2.0	4.0	3.5	3.5	2.5	2.5	4.0	4.5	4.5	5.5	6.5	5.0	4.0	3.5	4.0	5.0	6.5	6.5	5.0	3.5	9.0	6.5	
2	4.0	4.5	2.5	3.0	5.5	4.5	3.0	2.5	3.0	3.5	3.5	4.5	5.0	3.5	3.0	2.5	4.0	3.0	3.5	4.0	3.5	1.5	3.0	2.5	3.5	5.5	
3	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.5	3.0	3.0	4.0	3.5	3.5	3.5	3.0	5.0	5.5	5.5	4.0	4.5	3.5	2.5	3.5	5.0	3.5	5.5	
4	2.5	4.5	4.0	3.0	5.0	3.0	2.5	3.0	2.0	3.0	2.5	3.0	3.5	6.5	6.5	3.0	3.5	2.5	2.0	2.5	3.0	3.0	4.0	3.5	3.5	4.5	
5	3.0	3.5	4.5	2.5	4.0	2.5	3.0	2.0	3.0	2.0	3.0	3.0	3.5	4.5	5.5	5.5	6.0	7.0	5.0	3.0	2.5	3.5	4.0	4.0	3.5	7.0	
6	4.0	3.0	7.5	2.5	2.5	2.5	2.0	1.5	3.0	2.5	2.0	4.5	3.5	3.0	3.5	5.0	6.5	6.0	6.0	3.5	3.0	4.5	3.0	4.0	3.5	7.5	
7	4.5	2.0	9.0	2.0	4.5	4.0	4.0	2.5	2.5	3.5	3.5	5.5	3.0	3.5	5.0	10.0	12.0	12.0	7.5	7.0	5.0	5.5	4.0	5.0	5.0	12.0	
8	9.0	10.5	9.0	6.5	6.5	4.0	5.5	10.0	7.5	2.5	2.0	4.0	6.0	7.5	8.5	5.5	3.5	3.0	4.0	9.0	10.5	11.0	11.0	4.5	7.0	11.0	
9	7.5	9.5	6.5	7.0	8.0	8.0	5.0	2.5	2.5	2.0	2.5	4.0	4.0	5.0	5.0	5.5	7.0	6.5	4.5	2.0	2.5	5.0	6.5	7.5	5.5	9.5	
10	6.5	6.5	6.5	7.5	5.5	5.5	2.5	4.0	1.0	1.0	2.0	9.0	2.5	4.5	5.5	6.5	7.0	6.0	3.0	4.5	5.0	6.0	6.0	5.0	5.0	9.0	
11	4.5	3.0	3.5	3.0	2.5	2.5	2.0	1.0	1.0	2.0	3.0	3.0	4.5	4.5	4.5	6.5	6.0	5.0	4.5	5.0	2.5	3.0	6.0	6.0	3.5	6.5	
12	7.5	3.0	4.5	4.0	3.5	4.0	2.5	2.5	2.5	2.5	3.0	4.0	4.0	4.0	5.0	6.5	6.5	5.5	3.5	2.0	2.5	2.0	1.5	1.5	3.5	7.5	
13	2.0	5.5	3.5	2.5	2.5	2.5	2.5	3.5	2.0	2.0	2.0	4.5	2.5	3.5	4.5	4.0	5.5	5.5	7.5	7.5	4.5	2.5	3.0	1.5	3.5	7.5	
14	2.0	4.0	4.0	3.0	2.0	3.0	2.5	2.0	3.5	5.0	3.5	3.5	3.5	4.5	4.0	4.0	4.5	6.5	3.0	2.5	3.0	2.5	4.0	3.5	2.0	3.5	6.5
15	5.5	4.0	3.5	2.0	3.0	2.5	2.0	2.5	1.5	2.5	3.0	3.0	3.5	4.0	4.5	5.0	9.0	6.5	4.5	3.0	2.0	3.0	2.0	3.0	3.0	3.5	9.0
16	4.0	9.0	2.0	6.0	2.0	2.5	4.5	2.5	5.0	3.0	2.0	3.0	3.0	3.0	3.5	4.0	4.0	5.0	3.5	3.0	3.0	3.0	3.0	4.0	3.5	9.0	
17	2.5	2.5	3.0	2.0	2.5	4.0	2.5	3.0	1.5	2.5	4.5	4.5	4.5	5.5	2.5	2.5	3.0	6.0	3.0	2.5	2.5	3.5	1.5	2.5	3.0	3.0	6.0
18	3.0	3.0	6.0	8.0	3.0	3.5	5.5	5.0	3.5	4.5	14.0	10.0	4.0	10.0	11.5	6.0	12.0	7.0	8.5	7.5	6.5	7.0	6.5	4.5	6.5	14.0	
19	4.5	6.0	11.0	11.0	11.0	7.0	5.5	3.5	2.0	7.5	2.5	11.0	11.5	12.0	13.5	14.0	7.5	5.0	4.5	4.0	5.0	3.5	3.5	3.5	6.5	14.0	
20	5.0	7.0	9.0	12.0	11.0	5.0	10.5	3.0	3.5	9.5	9.0	13.5	13.0	13.5	13.0	10.5	8.5	9.0	9.5	8.5	7.5	6.0	6.0	5.0	4.0	13.5	
21	4.5	4.0	6.5	4.0	4.5	2.5	3.5	3.0	3.5	3.5	3.0	3.0	3.5	3.0	3.0	10.5	8.5	9.0	9.5	5.5	5.5	3.5	3.5	2.0	6.0	13.0	
22	3.0	2.5	3.0	4.0	6.5	5.5	5.5	5.0	4.5	7.5	7.0	8.0	13.0	6.5	9.5	9.0	7.5	6.5	3.0	4.5	4.5	6.5	9.0	4.0	6.0	13.0	
23	4.5	2.5	3.0	8.5	7.0	5.0	4.5	7.0	3.0	3.0	3.5	11.5	12.0	8.5	5.5	5.5	6.0	6.0	9.0	10.0	10.0	6.0	7.5	4.5	6.0	13.0	
24	7.0	4.0	5.0	5.0	6.5	4.5	5.0	6.0	3.5	3.5	4.0	4.0	5.5	5.5	5.0	5.5	6.0	6.0	2.5	3.0	7.5	9.0	7.5	6.5	6.5	12.0	
25	7.5	6.5	8.5	7.0	6.5	4.5	5.0	6.0	5.0	5.0	5.0	4.5	6.0	4.5	5.0	5.0	5.5	7.5	4.5	3.5	3.5	5.0	7.5	6.5	5.0	9.0	
26	6.0	8.0	9.5	6.5	4.0	3.0	5.0	7.5	3.5	3.0	4.5	5.0	4.5	4.5	5.5	5.0	8.0	5.5	3.5	2.5	6.0	5.0	6.5	7.0	5.5	9.5	
27	5.0	9.0	7.5	4.0	3.5	3.0	7.0	7.5	2.5	3.0	4.0	3.5	5.0	6.0	6.5	6.5	6.5	6.5	3.0	3.5	5.0	3.5	5.0	6.5	6.5	9.0	
28	7.0	7.5	4.5	6.5	7.5	3.5	5.0	4.5	4.0	3.5	4.0	5.5	7.5	6.5	9.0	3.5	6.0	4.5	3.0	11.0	12.5	5.5	7.0	9.5	6.0	12.5	
29	6.5	6.5	4.0	7.5	9.0	6.0	8.5	5.0	4.0	6.5	8.5	7.0	5.5	5.5	5.0	6.0	13.5	13.0	10.0	8.5	4.5	10.5	9.0	9.5	7.5	13.5	
AV	5.0	5.5	5.0	5.0	5.0	4.0	4.0	4.0	3.0	3.5	4.5	6.0	5.5	6.0	6.0	5.5	6.5	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
SD	2.0	2.5	2.5	2.5	2.5	1.5	2.0	2.0	1.5	2.0	3.0	3.0	3.0	2.5	3.0	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5

WHITE RIVER SHALE PROJECT.M139
 ROMANZA, UTAH
 SITE 6
 MAR, 1980
 AERODIVISION INC.

WIND SPEED (CC1171)
 MILES/HOUR
 LEVEL HEIGHT 1 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	12.5	12.5	9.5	4.0	7.5	6.5	4.5	6.0	6.5	5.0	7.5	7.5	4.0	6.0	5.5	6.5	7.0	3.5	4.5	2.5	4.0	8.5	10.0	9.0	7.0	12.5
2	6.0	7.5	6.5	3.5	5.0	7.0	3.5	5.5	5.0	3.0	2.5	3.0	5.0	6.0	8.5	7.0	5.5	3.5	4.0	3.5	4.0	4.5	4.0	5.0	5.0	8.5
3	3.5	2.0	3.0	5.0	3.0	3.0	4.0	4.0	4.0	6.5	4.0	1.0	17.0	20.0	20.0	19.5	16.5	5.0	4.0	4.5	4.0	3.0	5.5	9.0	7.5	20.0
4	10.5	12.5	6.5	7.5	5.0	7.0	8.0	5.5	3.0	2.5	4.5	5.5	11.0	14.5	10.5	13.5	18.0	20.0	17.0	10.5	6.0	7.5	5.5	7.5	9.0	20.0
5	10.5	7.5	9.0	7.0	5.5	5.0	4.5	3.0	10.0	6.0	15.0	17.0	16.0	18.0	20.5	19.5	19.0	19.5	20.5	17.5	13.5	17.5	12.5	10.5	12.5	20.5
6	13.0	9.5	11.5	17.0	10.0	10.0	10.0	4.5	3.0	3.0	3.0	7.0	6.5	4.0	5.5	3.0	4.0	3.5	7.0	6.5	6.0	3.0	3.0	4.0	7.0	17.0
7	3.5	2.5	2.0	4.0	5.0	7.5	3.5	4.5	3.5	2.5	8.0	10.0	11.0	8.5	6.5	5.5	6.5	5.0	5.0	8.0	8.0	3.5	4.5	6.5	5.5	11.0
8	5.0	4.0	5.5	4.5	7.0	5.5	9.0	8.5	4.5	4.0	5.5	8.5	12.0	13.0	11.5	9.5	9.0	9.5	9.0	7.5	8.0	5.0	7.5	7.5	7.5	13.0
9	5.5	9.5	7.5	6.5	9.5	9.5	8.0	6.5	5.0	5.0	7.5	8.0	14.5	14.5	15.5	15.0	13.5	13.0	8.0	8.0	8.0	8.0	8.5	9.5	9.5	15.5
10	10.0	7.0	7.0	8.5	7.5	7.0	5.0	4.0	3.0	3.0	5.0	6.5	8.5	7.0	6.0	6.5	7.0	7.0	6.0	5.5	3.5	6.5	9.5	5.0	6.5	10.0
11	7.5	8.5	6.5	9.0	9.5	3.0	4.5	4.5	3.5	1.5	2.5	4.0	3.5	4.0	6.5	12.0	14.0	8.0	9.5	11.5	17.0	11.5	13.0	6.5	7.5	17.0
12	7.5	16.0	16.5	20.5	22.5	19.0	21.5	20.5	16.5	14.5	21.5	21.5	18.5	17.5	16.0	15.5	13.5	14.5	8.0	5.0	6.0	3.5	8.5	9.5	15.0	22.5
13	8.5	6.0	5.5	9.0	9.5	6.5	5.5	4.5	3.5	4.5	3.5	4.0	5.5	7.0	8.0	8.0	8.0	5.5	5.0	8.5	4.0	5.0	2.5	5.0	6.0	9.5
14	3.5	4.5	6.5	5.0	6.0	6.0	9.0	5.5	4.0	4.5	5.0	6.0	9.5	10.0	7.5	16.5	17.0	14.5	9.5	6.5	12.0	7.5	6.0	3.0	7.5	17.0
15	3.5	6.0	4.5	6.0	3.0	2.5	3.0	5.0	5.5	3.0	12.0	11.5	13.0	8.0	16.0	18.5	16.0	15.0	18.5	5.0	4.0	5.5	10.5	15.0	9.0	18.5
16	17.0	19.0	17.5	13.0	14.0	8.5	6.0	11.5	6.0	13.5	16.0	15.0	18.5	20.0	18.0	20.5	18.0	16.0	16.0	9.5	6.0	5.0	6.5	8.5	13.5	20.5
17	7.0	7.0	7.5	10.5	5.0	8.0	7.0	4.5	4.5	4.0	4.0	6.0	7.5	13.0	9.5	9.5	7.5	11.5	10.0	12.5	15.0	13.5	9.5	5.0	4.5	15.0
18	8.5	6.0	6.5	8.0	6.0	3.5	3.5	3.5	9.0	4.0	6.0	7.5	10.0	9.5	7.5	9.5	8.0	9.0	4.5	4.0	7.5	9.5	12.5	11.0	4.5	15.0
19	10.0	6.0	10.0	9.5	5.5	7.0	8.5	4.5	3.0	7.0	9.5	11.5	13.0	13.5	15.0	14.0	21.5	16.5	17.0	12.0	6.0	6.0	3.0	2.0	9.5	21.5
20	3.5	6.0	6.0	5.0	8.0	6.5	8.5	5.0	3.5	3.5	4.5	6.0	5.0	8.0	10.5	8.0	8.5	13.5	19.0	11.5	12.5	16.5	7.0	7.5	8.0	19.0
21	6.0	7.5	6.0	4.5	5.0	4.0	4.0	3.5	4.0	18.5	22.5	22.5	22.0	21.0	21.0	22.0	22.0	16.5	10.5	7.5	3.0	9.0	10.0	9.5	11.5	22.5
22	9.0	5.5	4.5	4.5	5.0	3.0	2.5	6.5	6.5	7.0	12.0	13.5	16.0	15.0	15.5	14.5	12.5	12.5	10.0	7.5	6.5	5.0	3.0	5.5	8.5	16.0
23	7.5	5.0	7.0	7.5	2.5	3.0	3.0	3.0	2.5	7.0	9.0	7.0	5.5	7.5	9.5	8.5	6.0	5.0	4.0	6.0	10.5	6.0	4.5	3.5	6.0	10.5
24	4.5	7.0	8.5	9.0	6.0	4.5	6.5	5.0	3.0	4.5	5.0	15.0	16.0	15.0	15.0	17.0	13.5	11.5	10.5	14.0	9.0	3.5	3.5	3.0	9.0	17.0
25	3.0	5.5	5.5	6.5	6.0	3.5	3.0	3.5	4.5	4.5	3.5	3.0	6.5	3.5	4.0	4.5	3.5	5.5	8.0	6.0	5.5	6.5	5.5	6.0	8.0	10.5
26	8.5	4.0	4.5	3.5	4.5	3.5	3.5	3.5	4.5	4.5	4.5	3.0	4.0	5.0	7.0	6.0	7.5	8.5	7.0	6.5	9.0	6.5	7.5	11.0	5.0	11.0
27	11.5	4.0	4.5	7.0	7.0	8.5	9.0	4.0	3.0	4.0	4.0	5.0	7.0	7.0	8.0	9.5	17.0	15.5	10.0	6.5	7.0	5.0	4.0	2.0	7.5	17.0
28	2.5	4.0	4.5	5.5	4.0	2.5	1.0	4.0	5.0	5.5	10.5	21.5	23.5	22.5	20.5	21.5	18.0	15.0	8.5	10.0	9.0	8.0	3.0	3.0	10.0	23.5
29	2.5	10.5	5.0	4.5	2.5	4.0	6.0	5.0	3.0	4.0	4.5	8.0	8.5	6.5	5.5	4.5	8.0	4.5	4.5	5.0	10.0	9.0	6.0	9.0	6.0	10.5
30	8.0	10.0	3.5	3.5	3.5	5.0	6.5	6.5	6.5	7.5	8.5	21.0	23.5	19.0	19.5	20.5	11.5	5.0	16.0	7.5	5.0	6.5	6.0	7.5	10.0	23.5
31	7.0	9.5	17.0	13.5	10.5	16.5	8.5	8.0	4.0	3.0	3.5	5.0	4.5	5.5	6.0	5.5	4.5	6.0	4.5	4.5	2.5	4.5	6.5	6.0	7.5	17.0
AV	7.5	7.5	7.5	7.0	6.5	6.0	6.0	5.5	5.5	7.5	10.0	11.0	11.5	11.5	12.0	12.0	10.5	9.5	8.0	7.5	7.0	7.0	7.0	7.0	8.0	11.0
90	3.5	3.5	3.5	4.0	4.0	3.5	3.5	3.5	2.5	3.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	5.0	5.0	3.5	3.5	3.5	3.5	3.0	2.5	11.0

WIND SPEED (CC1171)

MILES/HOUR
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

APR. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	8.0	8.0	5.0	5.0	4.0	8.0	6.5	5.5	7.0	5.5	4.5	4.5	5.0	6.0	5.5	5.5	5.5	7.5	10.5	16.0	18.5	16.5	12.0	7.5	18.5	
2	13.0	4.5	7.0	8.5	8.0	6.5	8.0	5.0	4.5	4.5	7.5	9.5	9.0	7.0	9.5	11.5	9.5	8.0	7.5	7.5	4.5	4.5	10.0	9.5	8.0	13.0
3	10.5	11.5	10.5	9.5	10.5	7.0	8.0	8.0	5.5	4.0	3.5	4.5	4.5	6.5	6.5	6.5	4.5	5.0	6.5	5.0	5.0	4.5	4.0	4.0	6.5	11.5
4	3.0	1.5	2.5	3.5	5.5	4.0	8.0	4.5	2.5	4.0	5.5	5.0	5.0	6.0	4.5	8.0	8.0	7.5	10.5	12.0	11.0	7.5	8.0	6.0	12.0	
5	7.0	10.5	8.5	4.5	3.0	5.0	3.5	5.0	4.0	3.0	4.0	8.5	12.0	19.0	18.0	17.0	15.5	11.0	15.5	9.5	6.0	6.0	7.5	9.0	19.0	
6	6.5	13.0	16.5	15.5	10.5	11.0	7.0	5.5	7.0	7.5	6.5	20.0	18.5	21.5	24.0	25.5	24.0	23.5	19.5	7.5	3.5	11.0	11.5	5.0	13.5	25.5
7	5.0	16.5	11.0	6.5	10.0	18.0	18.5	21.5	20.0	20.0	23.5	25.0	21.5	17.5	17.0	20.5	22.0	20.0	21.0	17.5	12.0	4.5	5.5	8.5	16.0	25.0
8	9.5	10.5	8.0	7.5	4.0	5.0	5.0	2.5	4.0	4.0	5.5	7.0	10.0	9.5	7.0	5.5	3.5	3.5	4.5	6.0	11.0	5.5	2.5	5.5	6.0	11.0
9	9.0	8.5	6.0	7.0	6.5	6.5	5.5	3.0	3.0	3.0	5.0	5.5	7.5	10.5	16.5	16.5	17.0	13.0	10.5	8.5	2.5	4.0	6.0	6.0	17.5	
10	2.5	6.0	3.5	3.5	5.0	4.0	16.0	18.5	16.0	10.0	14.5	21.0	22.5	24.5	23.0	24.0	25.0	23.5	20.5	19.5	11.0	8.0	11.0	8.5	14.0	25.0
11	6.5	3.5	3.0	2.5	2.5	2.0	6.5	2.5	3.5	7.5	13.0	20.5	18.5	22.5	22.5	21.5	23.0	22.5	18.5	15.5	13.0	15.5	17.0	14.5	12.5	23.0
12	12.5	6.5	3.0	6.0	6.5	5.5	7.0	3.0	4.5	6.0	8.0	9.5	10.0	13.0	15.5	17.0	19.0	18.5	17.5	15.0	13.0	11.0	8.5	10.0	19.0	
13	7.0	4.5	4.5	4.5	5.0	7.0	5.0	3.5	5.0	4.5	5.5	5.0	4.0	6.5	5.5	5.0	4.5	2.5	2.5	4.0	10.0	11.5	12.5	9.5	6.0	12.5
14	9.0	9.5	5.0	9.5	8.0	6.5	4.0	3.0	3.5	4.0	4.5	4.5	5.5	6.0	7.0	7.0	4.5	4.0	2.0	6.0	11.5	6.5	10.5	10.5	6.5	11.5
15	8.5	8.5	10.0	5.5	7.0	7.5	6.0	4.0	3.0	5.0	5.5	6.0	12.0	11.5	15.5	15.5	17.5	23.0	21.0	21.0	20.0	14.5	6.0	4.5	11.0	23.0
16	6.5	10.5	12.0	12.0	8.0	6.0	6.5	6.0	3.0	3.5	5.0	7.5	9.0	10.0	8.0	8.0	8.0	7.0	7.0	5.0	6.0	12.0	11.5	10.5	8.0	12.0
17	11.0	10.0	11.5	9.0	9.0	7.0	8.0	2.5	3.0	3.5	5.5	5.0	5.5	6.0	6.5	4.5	5.0	5.0	7.0	5.5	10.5	9.0	14.5	11.5	7.5	14.5
18	7.0	9.0	10.5	11.5	11.5	6.0	7.0	2.5	2.5	3.0	4.5	6.0	7.0	6.5	9.0	10.0	11.5	12.0	11.5	10.5	14.5	6.5	11.0	11.0	8.5	14.5
19	8.5	8.0	9.0	7.0	7.5	6.5	6.5	2.5	3.0	3.5	5.0	7.0	8.5	9.0	12.0	5.5	15.0	11.5	11.0	14.0	7.5	10.5	13.5	8.5	15.0	
20	7.5	6.0	10.0	9.0	7.0	7.0	4.0	3.0	3.5	4.0	6.0	7.0	10.5	12.5	16.0	16.5	14.0	11.5	10.0	13.0	14.5	12.0	13.0	9.5	14.5	
21	13.5	14.0	15.0	16.0	14.5	13.5	15.0	15.0	16.0	18.5	16.0	11.5	9.5	9.5	11.5	7.0	8.0	9.5	8.0	6.5	4.0	6.5	4.5	2.5	11.0	14.5
22	4.0	6.5	5.0	2.0	4.0	4.5	7.5	4.5	3.5	4.0	6.0	7.0	8.5	17.5	17.5	16.0	18.5	15.5	16.5	16.5	5.5	11.5	12.0	6.5	9.0	14.5
23	7.5	5.5	6.5	6.5	7.0	6.5	4.5	4.5	9.0	6.0	5.5	12.0	18.0	9.5	11.0	15.5	14.0	10.5	4.5	3.5	6.0	5.5	11.0	8.0	8.5	14.0
24	6.0	5.5	5.0	4.5	4.0	5.0	5.5	3.0	4.5	6.0	9.0	8.5	9.0	8.5	4.0	8.0	12.5	14.0	12.0	11.5	9.5	11.0	10.5	5.5	7.5	14.0
25	10.0	7.0	11.5	5.5	6.5	7.0	4.5	6.0	8.0	7.5	8.0	9.0	11.5	12.5	14.0	16.0	14.5	14.0	12.5	13.5	11.0	12.0	13.0	10.0	16.0	
26	8.5	5.0	4.5	7.5	8.5	7.5	4.0	5.0	3.5	7.5	7.5	6.5	6.5	6.5	7.5	6.5	7.5	7.5	6.0	3.5	9.5	9.5	8.0	6.5	9.5	
27	7.5	11.5	12.0	9.5	7.5	8.5	4.5	3.5	4.0	4.0	6.0	5.0	6.5	6.5	7.5	7.5	6.0	5.5	10.0	5.0	2.5	6.5	6.5	6.5	12.0	
28	4.5	7.0	8.0	6.0	7.5	5.0	3.0	3.0	4.0	5.0	5.5	6.5	10.0	10.5	16.5	14.0	12.0	6.0	4.0	5.0	8.5	11.5	6.0	5.5	7.5	16.5
29	8.5	9.0	8.5	6.5	4.5	6.0	3.5	3.0	3.0	4.0	5.0	12.0	12.5	14.0	12.0	16.5	18.0	10.5	10.5	11.0	9.5	6.5	9.0	5.0	8.5	14.0
30	8.0	8.0	4.0	5.0	5.0	1.5	2.5	3.5	2.5	2.5	4.0	9.5	8.0	7.0	6.5	7.0	4.5	4.5	7.5	12.0	9.0	8.0	6.0	5.5	6.0	12.0
AV	8.0	8.0	8.0	7.0	7.0	7.0	7.0	5.5	5.5	6.0	7.0	9.0	10.0	11.0	12.0	12.5	12.0	11.5	11.0	10.0	9.0	9.5	8.0	9.0	8.0	11.0
80	2.5	3.0	3.5	3.5	2.5	3.0	3.5	4.5	4.5	4.0	4.5	5.5	5.0	5.5	5.5	5.5	6.5	6.5	5.5	5.0	4.0	3.5	3.5	3.0	2.5	1.0

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 6
 MAY, 1960
 AEROENVIRONMENT INC.

WIND SPEED (001171)
 MILES/HOUR
 LEVEL HEIGHT : 30 METERS

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 * FINAL DATA
 * AS OF 31/MAR/61
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DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK			
1	7.5	7.0	6.5	5.5	5.0	4.5	3.5	6.0	10.5	9.5	11.0	10.5	10.0	11.5	6.5	11.5	9.5	4.5	7.0	10.5	5.0	6.5	7.0	6.5	7.5	11.5			
2	4.5	5.0	4.0	5.5	3.0	3.0	2.5	3.0	3.5	4.0	4.5	5.5	15.0	11.5	10.0	11.5	15.5	6.5	7.5	5.5	5.0	9.0	9.5	6.5	6.5	15.5			
3	8.5	8.5	8.0	5.5	8.5	6.5	3.5	3.5	3.5	3.5	3.5	3.5	6.0	6.5	8.0	7.0	5.5	6.0	10.5	9.0	9.5	12.0	7.5	5.5	6.5	12.0			
4	5.0	7.0	6.0	5.0	5.5	7.0	4.0	4.0	3.5	4.0	5.0	5.0	5.5	7.5	13.5	13.0	10.5	11.0	11.5	9.0	10.0	9.5	12.5	7.5	13.5	7.5	13.5		
5	9.5	6.0	4.5	3.5	6.5	9.0	8.0	4.0	3.0	5.0	5.0	4.5	6.0	8.0	12.0	17.0	12.5	6.0	7.5	6.0	7.0	7.5	7.0	7.5	7.5	17.0			
6	6.5	6.0	8.5	10.0	9.5	6.5	4.0	2.0	3.5	4.5	4.0	5.0	7.0	11.5	12.5	16.0	10.0	10.5	9.0	7.5	4.0	8.5	6.0	3.0	7.5	16.0			
7	3.0	5.5	5.0	3.5	3.5	4.0	2.0	2.5	3.0	3.5	4.0	5.0	17.0	16.0	12.5	9.5	7.5	13.0	12.0	18.5	10.0	7.5	5.0	3.5	6.0	17.0			
8	6.0	3.0	1.5	2.5	3.0	2.0	2.0	3.5	3.0	4.0	5.0	6.5	6.5	4.5	5.0	6.5	11.0	18.5	19.5	16.0	10.5	18.0	8.5	7.0	19.5	7.0	19.5		
9	4.0	9.0	4.5	5.0	6.5	5.0	3.0	4.0	5.0	18.5	21.5	15.0	18.5	19.5	19.0	10.0	7.0	6.5	7.5	6.0	6.0	5.0	3.5	4.5	21.5	4.5	21.5		
10	3.5	4.0	5.5	3.5	5.0	6.5	4.0	3.0	3.5	17.5	18.5	12.5	21.0	21.0	21.5	25.0	23.5	19.5	18.5	10.5	8.0	4.5	6.0	4.0	11.0	25.0	4.0	25.0	
11	3.5	3.0	7.5	4.5	10.5	10.5	6.0	4.5	4.0	4.5	5.0	5.5	6.0	9.5	17.0	7.5	12.5	6.0	6.5	3.5	14.5	10.5	4.0	7.0	17.0	4.0	17.0		
12	8.5	10.5	5.0	3.0	3.5	5.0	9.0	7.0	14.0	13.0	13.5	13.0	15.0	12.5	10.5	13.0	10.5	9.0	7.0	3.5	3.5	3.5	2.0	2.5	15.0	2.5	15.0		
13	2.0	3.5	4.5	7.5	7.0	6.5	4.5	6.0	5.0	5.0	5.5	7.5	5.5	6.5	5.0	4.5	19.0	18.0	7.5	8.5	12.0	12.5	9.5	4.0	7.5	19.0	4.0	19.0	
14	9.0	10.0	11.0	9.5	7.5	6.5	6.5	2.5	3.0	4.0	4.0	3.5	4.5	4.0	11.0	12.5	12.5	17.0	11.0	7.5	10.0	6.5	7.0	5.5	4.0	17.0	5.5	17.0	
15	5.5	5.5	6.0	8.5	4.5	7.5	5.0	3.0	3.5	7.5	5.5	5.5	10.5	13.0	10.5	8.5	10.0	13.0	17.0	11.0	6.0	7.0	9.5	6.0	11.5	6.0	11.5		
16	5.5	5.5	6.0	8.5	4.5	7.5	5.0	3.0	3.5	7.5	5.5	5.5	10.5	13.0	10.5	8.5	10.0	13.0	17.0	11.0	6.0	7.0	9.5	6.0	11.5	6.0	11.5		
17	10.5	11.0	7.5	15.5	13.5	10.5	5.5	13.0	10.0	4.5	3.5	4.5	5.0	7.0	4.5	4.0	4.5	4.0	4.5	3.5	4.0	3.5	4.5	5.0	10.0	7.0	15.5		
18	11.0	9.0	9.5	8.5	7.5	8.0	6.0	3.5	3.0	4.0	5.5	6.0	6.5	6.0	4.5	4.5	3.5	4.0	4.5	5.5	4.0	11.0	14.0	11.0	6.5	14.0	4.0	14.0	
19	9.0	11.0	7.5	10.0	11.0	9.0	5.5	3.5	4.0	5.0	5.5	6.5	6.0	7.5	6.5	6.0	8.5	5.5	6.5	6.0	5.0	7.0	11.0	13.0	7.5	13.0	4.0	13.0	
20	8.0	9.5	8.5	8.5	10.0	10.0	6.5	4.0	2.5	4.0	4.5	5.5	5.5	5.0	4.5	7.0	6.5	6.5	4.0	6.0	5.0	8.0	10.5	11.0	6.5	11.0	4.0	11.0	
21	10.5	7.0	7.5	9.5	11.0	8.5	4.5	3.0	3.0	3.5	4.0	3.5	5.0	6.0	5.0	5.0	5.5	4.0	4.0	5.5	9.0	11.5	14.0	12.0	7.0	14.0	4.0	14.0	
22	9.5	8.0	5.0	3.5	5.0	6.0	4.5	3.0	4.5	3.0	4.5	6.0	7.5	15.5	14.0	15.0	15.0	18.5	19.0	13.0	18.5	5.0	11.0	14.5	9.5	19.0	4.0	19.0	
23	13.5	3.5	9.0	11.5	11.0	13.5	14.0	20.0	17.0	21.5	21.0	20.0	21.0	18.5	18.5	20.0	19.0	20.0	23.5	12.0	8.5	9.0	13.0	16.0	15.5	23.5	4.0	23.5	
24	16.0	15.5	17.0	17.0	15.5	12.5	18.0	25.5	24.0	24.5	28.0	24.0	22.5	23.5	20.0	18.0	21.0	19.0	14.0	22.5	20.0	14.5	14.5	14.5	19.0	24.0	4.0	24.0	
25	10.5	12.5	15.5	9.5	5.0	11.0	13.0	14.5	16.5	16.5	17.0	18.0	19.5	18.5	17.0	17.0	11.0	10.0	8.0	7.0	9.0	9.0	4.5	6.0	12.5	19.5	4.0	19.5	
26	6.5	6.5	8.5	7.5	6.5	4.5	4.5	5.5	5.0	5.0	5.0	6.5	14.5	15.0	13.5	18.0	16.5	17.0	6.5	6.5	6.0	6.0	4.5	6.0	17.0	17.0	4.0	17.0	
27	10.5	8.5	9.0	9.0	3.5	2.5	2.0	3.0	10.5	20.0	19.5	19.5	19.0	16.5	16.0	17.0	18.0	17.0	16.5	12.0	9.5	9.5	10.5	11.0	12.5	20.0	4.0	20.0	
28	8.5	7.0	5.5	9.0	8.0	6.0	3.5	4.5	17.5	20.5	17.0	17.0	18.5	19.0	19.5	19.5	19.5	19.5	17.0	11.0	6.5	7.0	10.0	11.0	12.5	20.5	4.0	20.5	
29	13.5	13.0	7.5	5.5	6.5	6.5	8.5	14.0	5.0	5.0	10.5	10.0	13.0	13.5	14.0	12.0	9.5	11.0	10.0	11.5	10.5	12.5	9.5	5.0	10.0	14.0	4.0	14.0	
30	6.5	6.5	6.5	7.0	6.0	5.5	4.0	3.0	4.0	5.0	4.5	5.5	9.0	9.0	13.5	14.5	14.5	13.0	17.5	16.0	11.0	9.0	12.0	12.0	9.0	17.5	4.0	17.5	
31	10.5	6.5	9.5	9.5	6.5	6.5	6.5	14.5	9.0	6.5	6.0	10.0	9.5	7.5	8.0	11.5	14.5	14.5	11.0	11.5	7.0	6.0	13.0	4.0	9.0	14.5	4.0	14.5	
AV	8.0	7.5	7.5	7.0	7.0	6.0	6.5	6.5	6.5	6.5	9.0	7.5	11.0	11.5	11.5	12.0	12.0	11.5	10.5	10.0	4.0	4.5	9.5	6.5	9.0	11.0	4.0	11.0	
SD	3.5	3.0	3.0	3.5	3.0	3.0	3.5	5.5	6.5	6.5	6.0	5.5	5.5	5.0	5.0	5.5	5.0	5.0	5.0	5.5	4.0	3.0	3.5	3.5	3.0	3.0	3.0	3.0	3.0

WIND SPEED (CC1171)

MILES/HOUR

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

JUN. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	FEAR	
1	7.5	9.5	10.5	10.5	9.5	8.5	4.5	5.0	4.5	6.0	7.0	11.0	12.5	9.0	14.0	13.5	9.0	7.5	16.0	11.5	8.0	10.0	9.5	12.0	9.5	16.0	
2	10.5	8.5	4.5	5.0	5.0	5.0	3.5	4.5	15.0	18.5	15.5	16.0	17.5	18.0	19.5	18.5	20.5	21.5	19.0	17.0	9.0	10.0	11.5	13.5	13.0	21.5	
3	13.0	14.0	13.5	10.5	11.5	11.5	11.0	12.5	21.0	20.0	19.5	22.5	20.5	21.5	20.5	20.0	18.0	20.0	16.5	14.0	11.0	12.0	15.0	14.5	14.0	22.5	
4	12.5	13.5	15.0	12.5	13.5	12.0	3.5	5.0	18.0	21.5	22.0	20.0	20.0	21.0	21.0	21.5	20.5	19.5	20.5	17.0	12.0	13.0	12.5	10.5	14.0	22.0	
5	11.0	7.5	8.0	11.0	14.0	12.5	7.5	4.0	4.5	7.0	16.0	18.5	20.5	17.0	19.5	21.0	21.0	20.0	20.0	17.5	14.0	13.5	11.0	11.5	14.5	21.0	
6	7.0	4.0	8.0	9.0	3.5	6.5	16.0	18.0	17.0	21.0	22.5	21.5	20.5	20.0	21.0	21.0	23.0	21.5	17.5	11.0	7.5	6.5	5.5	19.5	23.0		
7	5.0	7.5	9.0	8.0	8.0	5.0	2.5	5.0	5.0	6.0	6.0	6.0	6.0	9.0	7.0	6.5	9.0	7.0	10.0	11.5	5.5	5.5	12.0	11.5	7.5	12.0	
8	11.5	8.5	7.0	9.0	9.0	9.5	8.0	3.0	3.5	5.0	5.0	5.5	5.5	8.5	7.0	9.0	9.5	9.0	11.5	9.5	5.0	6.0	8.0	9.0	7.5	11.5	
9	7.5	8.5	9.0	8.5	10.5	11.5	5.5	3.0	4.5	4.5	5.0	6.0	7.5	9.5	8.0	8.0	9.0	6.5	9.5	9.0	7.5	12.5	14.0	8.0	14.0	17.0	
10	12.0	5.5	6.5	12.5	10.5	11.5	5.0	3.0	4.0	5.5	5.5	6.5	11.5	17.0	17.0	15.5	13.5	15.5	14.0	13.5	13.5	14.5	7.0	3.0	10.0	17.0	
11	8.0	6.0	4.5	3.0	7.5	7.5	8.5	3.5	4.5	10.5	19.0	22.0	21.5	19.5	20.5	21.0	17.0	17.0	18.0	14.5	14.0	17.0	17.0	17.0	11.0	22.0	
12	10.0	8.5	4.0	5.5	11.0	5.0	8.0	11.0	15.5	19.0	18.5	18.5	20.5	19.5	19.5	19.0	19.5	20.0	17.0	17.0	16.5	12.5	4.5	5.5	13.5	20.5	
13	8.5	9.5	9.5	7.5	10.5	8.5	5.5	3.0	3.0	6.0	17.5	20.0	21.0	18.5	20.0	17.5	20.0	18.0	17.0	17.5	18.0	12.5	11.5	9.5	13.0	21.0	
14	7.5	10.5	4.0	5.5	6.0	4.5	3.0	2.5	7.0	10.5	20.0	19.0	20.5	20.0	20.5	17.5	18.5	19.5	19.5	20.5	20.5	16.5	13.5	11.0	11.0	20.5	
15	8.0	8.0	7.0	6.0	6.0	5.0	6.5	4.0	4.0	7.5	9.0	10.5	11.0	11.0	14.5	16.5	13.5	12.0	11.5	11.5	8.0	11.5	5.5	4.5	9.0	16.5	
16	6.5	5.0	4.5	4.0	7.0	6.5	6.0	4.0	4.5	4.5	7.0	8.5	7.0	8.0	8.5	6.0	7.0	5.5	4.0	7.0	12.5	11.5	12.0	7.0	12.5	17.0	
17	9.5	9.0	9.0	9.5	8.0	8.0	3.5	2.5	4.0	4.5	4.5	5.0	5.5	8.0	8.5	10.0	8.0	5.5	2.5	2.0	8.0	9.0	11.0	13.0	7.0	13.0	
18	10.0	7.0	6.5	9.5	9.5	8.0	4.5	3.5	3.5	4.5	7.0	10.5	9.0	6.0	7.5	10.0	10.5	9.5	13.0	7.5	7.5	14.0	6.5	11.0	8.0	14.0	
19	8.5	7.0	5.5	9.0	8.5	8.5	7.5	4.0	4.5	6.0	5.0	7.5	9.5	19.0	20.5	20.0	11.5	8.0	6.0	3.5	8.0	8.0	10.5	10.0	9.0	20.5	
20	9.5	9.0	9.5	9.0	8.0	8.5	5.0	3.0	3.5	4.5	5.5	6.5	6.5	11.0	14.5	13.5	15.0	10.0	12.5	15.0	12.5	14.5	12.5	5.5	9.5	15.0	
21	6.5	5.5	7.5	8.0	10.5	6.5	7.5	4.5	4.5	6.0	8.5	8.0	14.0	17.5	15.5	16.5	17.0	17.5	12.0	8.5	7.5	8.5	9.0	8.5	10.0	17.5	
22	8.5	9.5	5.0	5.5	7.0	9.0	5.5	4.0	4.5	4.5	5.5	6.5	9.5	7.0	15.0	14.5	13.0	13.5	12.0	12.0	14.0	10.0	8.0	9.0	15.0	15.0	
23	13.0	10.5	16.5	11.0	12.0	14.0	10.5	16.0	21.5	23.0	20.5	21.5	20.5	21.5	24.5	24.5	22.0	21.0	21.5	16.0	12.5	11.0	5.0	7.0	16.5	24.5	
24	10.0	12.5	11.5	9.5	8.5	7.0	5.0	2.0	18.0	18.0	16.5	12.0	11.5	19.0	19.5	17.5	17.0	17.0	17.5	12.5	17.0	12.0	12.5	3.0	13.0	19.5	
25	4.0	4.5	8.5	3.5	7.5	7.5	3.0	2.5	8.0	6.0	15.5	17.0	18.0	16.5	17.0	17.5	18.5	19.5	18.5	17.5	17.5	11.0	12.0	12.5	13.0	19.5	
26	8.5	11.0	9.5	5.5	5.5	9.0	5.0	4.0	9.5	19.0	20.5	21.0	20.0	20.5	21.0	20.0	19.0	19.0	18.5	17.0	14.0	15.5	14.5	5.0	14.0	21.0	
27	11.5	14.0	15.5	10.0	10.0	11.0	15.0	9.5	6.0	7.0	7.5	10.0	15.0	15.5	16.0	17.5	19.5	19.0	19.0	15.0	10.0	5.0	2.5	6.5	12.0	19.5	
28	7.0	11.5	11.0	9.5	8.5	9.5	5.0	4.5	6.5	4.0	5.5	6.5	8.0	8.5	9.5	8.5	8.5	8.5	4.0	4.5	3.0	7.0	6.5	3.5	11.5	7.5	11.5
29	10.0	8.5	7.5	7.0	8.5	9.5	6.0	5.5	6.0	5.0	6.5	11.5	15.0	10.5	10.0	9.0	18.0	21.0	9.0	5.5	13.0	7.0	8.5	9.0	9.5	21.0	
30	7.5	6.5	4.0	4.0	4.0	4.5	5.5	6.5	6.5	11.5	7.0	11.5	14.0	8.5	6.5	7.5	7.5	8.0	7.5	5.0	20.0	10.5	16.0	6.5	4.0	20.0	
AV	9.0	8.5	8.5	8.0	8.5	8.5	6.5	5.5	8.0	10.0	11.5	13.0	14.0	14.5	15.5	15.5	15.0	14.5	14.0	12.0	11.5	11.0	10.0	9.5	11.0	11.0	
90	2.0	2.5	3.5	2.5	2.5	2.5	3.5	4.0	6.0	6.5	6.5	6.0	5.5	5.5	5.0	5.0	5.0	5.0	5.5	5.0	4.5	3.0	3.5	3.5	3.0	1.1	

WHITE RIVER SHALE PROJECT #139
 BOMANZA, UTAH
 SITE 6
 JUL. 1980
 AEROSOL ENVIRONMENT INC.

WIND SPEED ICC1171
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK			
1	4.5	6.0	6.5	5.0	7.5	5.5	4.0	5.5	4.0	7.5	7.5	4.5	4.5	6.0	10.5	17.0	7.0	12.0	13.0	14.0	9.0	11.0	7.5	4.5	7.5	17.0		
2	4.5	3.5	3.0	5.0	5.5	6.5	3.5	5.0	4.0	3.0	4.0	5.0	10.0	9.5	4.5	6.0	5.5	4.0	9.0	11.5	11.0	12.0	11.5	9.0	6.5	12.0		
3	9.0	6.5	5.0	6.0	5.0	4.0	3.0	2.5	4.5	5.5	5.5	7.5	6.0	6.5	8.0	14.5	11.0	11.0	8.0	7.0	7.0	7.5	4.5	5.5	6.5	18.5		
4	6.5	6.0	15.0	22.0	17.0	14.0	16.5	9.0	5.5	5.5	5.0	8.5	11.0	9.0	5.5	8.5	6.5	7.5	7.5	11.0	10.5	14.0	8.5	10.0	22.0			
5	8.5	6.0	5.0	5.5	7.0	7.0	4.0	3.5	4.5	5.5	8.0	6.5	9.5	17.0	16.5	17.0	17.0	16.0	12.5	8.5	12.5	16.0	12.0	6.5	10.0	18.5		
6	4.0	5.5	5.0	7.5	6.0	11.0	4.5	3.0	3.5	4.5	6.0	5.5	8.0	10.0	14.5	14.0	5.5	20.5	13.5	9.5	6.5	8.0	8.0	8.0	8.0	20.5		
7	10.5	10.5	4.5	11.0	9.5	7.5	4.0	3.5	3.0	2.5	3.5	8.0	20.0	22.5	16.0	12.5	10.5	17.0	14.0	11.5	12.5	5.0	2.5	14.5	10.0	22.5		
8	12.5	12.5	9.0	5.5	4.0	3.0	5.0	5.5	11.0	12.0	11.0	9.5	12.5	13.5	17.0	16.5	17.0	22.5	5.0	10.5	7.5	5.0	5.0	10.0	22.5			
9	5.0	8.5	10.5	8.0	7.0	4.5	4.0	3.5	4.5	5.0	5.5	7.0	9.0	7.5	6.0	8.0	8.0	7.5	7.5	7.5	9.0	11.0	4.5	6.0	7.0	11.0		
10	7.5	9.5	8.5	9.0	6.0	7.0	7.0	3.0	4.0	3.5	5.5	8.5	10.0	15.5	15.0	12.5	18.5	17.0	17.0	14.0	8.5	6.5	4.5	4.0	9.0	17.0		
11	4.0	7.5	8.5	10.0	8.0	5.5	5.5	3.0	5.0	4.0	6.0	7.5	7.0	18.0	15.5	9.0	7.0	6.0	4.0	4.0	5.5	10.5	13.0	7.5	18.0			
12	13.5	4.5	5.0	7.5	7.0	6.5	5.5	9.5	12.5	10.5	10.0	14.0	9.5	17.0	18.0	15.0	17.5	10.0	5.0	3.5	12.0	15.5	12.5	5.5	10.0	18.0		
13	3.5	3.5	7.0	4.0	3.5	12.0	10.5	4.0	8.5	15.5	9.0	6.0	9.5	17.0	22.0	13.0	17.0	13.5	8.5	10.0	8.5	14.0	10.5	6.0	10.0	22.0		
14	3.0	5.0	5.0	4.0	6.5	6.5	5.5	2.0	3.0	5.0	8.5	11.5	9.0	11.0	14.0	17.5	19.5	20.5	16.0	15.5	16.0	13.0	11.5	8.0	9.0	5.0	10.0	20.5
15	9.0	7.5	6.0	4.0	6.5	6.5	5.5	5.5	3.5	4.5	6.0	5.5	6.0	8.0	11.5	9.0	9.5	5.5	4.0	3.0	6.0	11.5	13.0	7.5	8.0	16.5		
16	8.5	9.5	11.0	10.0	11.5	10.5	5.5	3.5	4.5	6.0	5.5	6.0	8.0	11.5	9.0	9.0	9.5	5.5	4.0	3.0	6.0	11.5	13.0	7.5	8.0	13.0		
17	10.5	9.5	9.5	11.5	13.0	11.5	4.5	3.5	3.5	5.5	7.0	9.0	9.0	10.5	9.0	13.0	17.0	17.5	14.0	12.0	10.0	3.5	8.0	8.0	9.5	17.5		
18	7.0	4.5	3.5	5.0	4.5	6.0	5.0	4.0	4.0	3.0	4.5	6.5	9.0	11.5	9.0	13.0	13.0	10.0	11.5	8.0	12.5	13.0	6.0	6.5	7.5	13.0		
19	6.0	4.5	2.5	7.0	5.5	3.0	4.5	4.5	5.0	9.0	10.5	12.5	11.0	15.0	17.0	16.0	14.5	13.5	14.0	16.0	14.0	10.0	7.0	4.0	9.5	17.0		
20	9.5	7.5	8.5	8.0	7.0	7.0	4.5	3.0	5.5	4.5	5.0	6.0	7.0	10.0	13.0	13.0	10.5	8.5	7.0	6.5	5.5	6.0	3.5	7.0	7.5	13.0		
21	11.5	11.5	9.5	10.5	9.5	7.5	3.0	4.0	6.5	6.5	5.0	7.0	7.5	8.5	12.5	11.5	11.0	9.5	7.5	2.0	4.5	8.5	11.0	9.5	8.0	12.5		
22	9.5	13.5	9.5	11.0	4.5	5.5	3.5	3.0	4.5	6.0	6.5	8.5	13.5	12.5	13.0	13.5	14.5	12.5	11.5	8.0	8.0	4.0	5.0	6.0	8.0	12.5		
23	9.5	9.5	8.0	3.5	4.0	7.0	7.0	3.5	3.0	4.5	4.5	8.5	6.0	10.0	16.5	22.5	10.0	9.0	8.0	4.5	6.0	9.5	7.5	6.0	8.0	12.5		
24	8.0	9.0	10.0	7.5	10.0	7.0	5.5	4.0	5.0	6.5	6.0	6.5	6.5	6.0	10.5	14.5	10.0	6.0	14.5	19.0	20.5	19.5	6.5	5.5	9.5	20.5		
25	6.5	7.5	9.5	9.0	8.0	8.5	5.5	6.0	5.0	6.0	5.0	7.0	8.5	10.0	12.0	9.0	9.5	4.5	7.5	9.0	11.0	12.5	12.5	7.0	8.0	12.5		
26	6.5	7.0	10.5	9.5	6.0	8.5	7.0	4.0	3.0	6.5	4.5	4.5	8.0	10.5	13.5	13.5	11.0	14.0	8.0	13.5	11.5	5.5	7.0	9.5	8.5	18.0		
27	10.0	11.0	9.5	9.0	9.0	10.5	4.5	3.5	3.0	3.5	5.5	6.5	7.5	8.5	7.5	7.0	11.0	8.5	5.0	6.5	5.0	10.0	11.5	11.5	7.5	11.5		
28	10.0	10.0	12.5	8.5	10.0	11.5	7.5	4.0	3.5	4.5	6.0	6.0	6.0	10.5	11.5	10.0	8.5	6.0	4.0	7.5	12.5	14.0	8.5	8.5	8.5	18.0		
29	5.0	6.5	8.5	10.0	9.5	7.0	4.5	4.0	5.0	4.5	6.5	9.0	11.0	20.0	20.0	9.0	15.5	10.5	9.5	4.0	6.5	9.0	6.5	7.5	8.5	20.0		
30	8.0	4.5	3.5	9.0	8.5	6.0	5.0	4.0	4.5	6.0	6.0	8.0	8.0	11.0	11.0	12.0	11.0	11.5	10.5	6.0	5.5	7.5	10.5	11.0	4.0	12.0		
31	8.5	8.5	8.5	11.5	8.5	10.0	7.5	4.0	3.5	4.5	6.5	6.5	6.5	4.0	6.5	7.5	8.5	14.0	13.0	12.0	7.5	3.5	5.0	9.0	7.5	18.0		
AV	7.5	7.5	7.5	8.0	7.5	7.5	5.5	4.0	5.0	6.0	6.5	7.5	9.0	11.5	13.0	12.5	12.0	11.5	10.5	9.0	9.0	9.0	8.0	7.5	8.5	11		
SD	2.5	2.5	3.0	3.5	3.0	2.5	2.5	1.5	2.0	3.0	2.0	2.0	3.0	4.0	4.5	4.0	4.0	4.0	4.5	4.5	3.5	3.5	3.5	2.5	1.0	11		

WIND SPEED (CC1171

MILES/HOUR
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH
SITE 6

AUG. 1980

AEROVIRONMENT INC.

.....
* .. FINAL DATA
* .. AS OF 31/MAR/81
* ..
* ..

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.5	6.5	6.5	9.5	9.5	9.5	5.5	4.0	2.5	3.5	3.5	7.0	8.0	10.5	13.0	16.0	18.5	7.5	8.0	13.0	9.0	5.5	7.0	7.0	8.5	14.5	
2	8.5	6.5	6.0	7.0	10.5	9.5	5.0	4.0	5.0	5.0	5.0	8.0	10.5	14.0	11.5	9.0	11.0	15.0	16.5	10.0	7.0	4.0	4.0	4.0	4.0	16.5	
3	8.0	9.0	11.0	7.0	10.5	11.5	8.5	2.5	3.0	3.5	6.0	16.0	23.0	23.0	23.5	26.0	25.0	23.5	19.5	15.5	17.5	6.5	6.5	6.5	6.5	14.0	
4	6.5	5.5	6.0	9.5	7.0	4.5	5.0	2.5	4.0	8.5	9.5	12.0	11.5	11.5	12.5	12.0	13.0	16.5	17.0	16.0	9.5	4.5	10.5	11.5	9.5	17.0	
5	11.0	14.5	7.5	7.0	6.5	8.0	5.5	5.5	3.5	5.0	6.5	8.5	9.5	8.0	7.0	10.0	16.5	15.5	14.5	11.0	11.5	12.5	11.0	7.5	9.5	16.5	
6	4.0	4.5	6.5	4.0	7.0	4.5	7.5	3.5	4.5	10.0	8.5	10.0	10.5	18.0	17.5	16.5	14.0	14.0	12.5	10.0	11.5	14.0	9.5	5.0	9.5	18.0	
7	4.5	7.0	10.0	10.5	8.0	5.5	7.0	3.5	4.5	5.5	8.5	8.5	7.0	8.5	6.5	7.5	6.0	6.0	6.0	6.5	6.0	11.5	6.5	7.0	7.0	11.5	
8	10.0	9.0	7.0	7.5	9.0	8.5	7.0	4.0	4.0	4.5	5.5	8.0	11.0	13.5	17.5	17.0	14.0	7.0	8.0	5.0	6.5	8.0	11.5	8.0	9.0	17.5	
9	9.0	14.0	9.0	5.5	4.5	5.0	5.0	9.5	12.5	13.0	12.5	11.0	11.0	12.0	14.5	17.0	13.0	10.0	6.5	4.5	5.0	6.5	8.0	11.5	8.0	9.0	17.5
10	11.0	8.5	9.0	8.0	6.5	8.0	9.0	5.5	3.5	4.0	4.5	6.5	15.5	15.5	16.5	17.0	16.0	16.0	15.0	14.0	5.0	9.0	10.5	10.5	10.0	17.0	
11	7.5	4.5	8.0	9.5	8.0	7.5	6.5	4.0	4.5	4.0	4.5	4.5	8.0	6.5	6.5	7.0	7.5	5.5	4.5	7.0	8.0	14.5	15.5	14.5	7.5	15.5	
12	9.5	10.5	10.5	7.5	6.0	7.0	6.0	4.5	4.0	12.0	10.5	10.5	12.5	13.5	9.5	8.0	14.0	10.5	9.5	8.5	13.0	17.0	18.5	5.5	10.0	17.0	
13	3.5	5.0	4.0	7.5	3.5	8.5	7.0	3.0	3.0	4.0	6.5	7.0	9.5	6.5	7.0	12.5	12.0	10.5	10.5	15.0	17.5	10.0	5.5	6.5	4.0	7.5	17.5
14	4.0	5.0	5.0	2.5	4.0	6.0	7.0	6.0	4.0	5.5	5.5	8.5	6.5	7.0	12.5	12.0	10.5	10.5	15.0	17.5	10.0	5.5	6.5	4.0	7.5	17.5	
15	6.0	5.5	11.5	14.0	14.5	9.5	6.5	2.5	3.0	4.0	8.0	7.0	13.5	16.0	20.0	19.0	16.5	16.5	7.0	11.0	14.5	9.0	10.0	7.0	10.5	20.0	
16	7.0	8.5	9.0	8.0	10.0	7.0	10.0	7.0	4.5	5.0	8.5	9.0	9.5	9.0	11.5	10.5	10.0	6.5	6.5	7.5	13.0	9.0	7.0	6.0	6.5	13.0	
17	7.0	8.5	12.0	9.0	8.5	7.5	6.5	3.5	3.0	4.0	5.0	5.0	4.5	7.0	10.5	8.0	7.5	6.0	7.0	9.5	7.5	10.0	7.5	9.5	7.5	12.0	
18	8.0	6.5	6.0	5.5	2.5	4.0	3.5	4.5	4.5	9.5	17.0	18.0	20.5	20.0	22.0	22.0	22.5	21.5	18.5	17.0	14.0	12.5	11.5	12.0	12.5	22.5	
19	11.5	13.5	14.0	12.0	11.0	13.5	13.5	17.5	21.0	22.0	19.5	21.5	19.5	18.5	23.5	17.0	9.5	22.0	11.0	6.5	9.0	9.0	6.0	5.5	14.5	24.5	
20	3.0	6.5	8.5	11.0	10.0	11.0	11.0	7.5	4.5	7.0	6.0	8.5	9.0	10.0	7.0	5.5	5.0	5.0	5.0	5.5	7.0	6.5	6.5	11.0	7.5	11.0	
21	14.0	11.5	9.0	11.0	9.0	9.5	10.0	3.5	3.0	4.0	4.5	6.0	5.5	6.0	8.0	9.0	8.5	5.0	6.0	6.0	8.5	13.0	13.5	10.5	8.5	14.0	
22	11.0	8.5	9.5	9.5	9.0	7.0	5.0	3.0	3.0	4.0	5.0	5.0	13.0	17.0	20.5	18.5	19.0	18.0	18.5	14.0	12.0	13.5	8.0	5.0	10.5	20.5	
23	11.0	8.0	6.0	7.0	5.5	4.0	3.5	4.0	9.5	13.5	16.5	13.0	15.0	14.5	17.5	14.0	5.5	12.5	14.5	11.5	12.5	17.5	8.5	8.0	10.5	17.5	
24	4.5	3.0	4.0	3.5	4.5	3.5	5.0	2.5	2.5	5.0	6.5	7.5	8.5	5.5	6.0	10.0	10.5	10.0	13.0	9.5	6.5	6.0	14.0	14.0	7.0	14.0	
25	4.5	4.0	7.0	11.0	7.0	5.0	6.5	4.0	3.5	3.0	4.5	14.5	9.5	9.5	7.5	9.5	11.5	5.5	4.0	2.5	6.5	9.5	7.0	5.0	7.0	14.5	
26	4.0	5.5	7.5	6.0	6.5	7.5	6.5	5.0	3.5	3.0	3.5	4.0	4.5	5.0	6.0	10.0	16.5	11.0	13.0	5.5	6.5	9.5	7.0	9.5	7.0	14.5	
27	7.5	9.0	10.0	8.0	10.0	8.0	7.5	3.5	4.0	4.0	5.0	4.5	5.0	4.5	11.0	16.5	14.0	7.5	10.0	6.0	5.0	4.5	3.5	7.5	16.5		
28	5.0	5.0	2.0	3.5	4.0	4.0	4.0	6.0	6.0	4.0	3.5	10.0	19.0	21.5	20.5	19.5	18.0	16.0	14.5	14.5	15.0	16.5	15.5	11.0	21.5		
29	13.5	13.5	15.0	15.0	9.0	3.5	2.5	3.0	3.5	7.5	13.0	12.0	14.0	17.0	20.0	17.0	16.5	15.5	13.0	10.5	13.0	5.0	3.0	3.0	11.0	20.0	
30	5.0	3.0	3.5	6.0	3.5	4.0	6.0	6.5	4.0	3.5	4.5	4.5	8.5	6.5	11.0	19.5	18.0	17.0	20.5	12.0	5.5	4.0	5.5	6.0	8.0	20.5	
31	5.5	10.5	8.0	8.0	9.0	8.0	6.0	6.0	2.5	4.0	3.5	3.5	6.5	6.5	11.5	12.5	16.0	11.5	9.0	6.0	6.5	10.5	7.5	6.5	7.5	8.0	16.0
AV	7.5	7.5	6.0	8.0	7.5	7.0	6.5	5.0	4.5	6.5	7.5	9.0	11.0	12.0	13.5	14.0	13.5	13.0	11.5	10.0	10.0	9.5	9.0	8.0	9.0	11.0	
SD	3.0	3.0	3.0	3.0	2.5	2.5	3.0	3.5	4.0	4.0	4.0	4.0	4.5	5.0	5.5	5.0	5.0	5.5	5.0	4.0	3.0	4.0	1.5	3.0	2.0	1.1	

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 SEP, 1960
 AEROSURVEILLANCE INC.

WIND SPEED ICC1171
 MILES/HOUR
 LEVEL HEIGHT 130 METERS

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DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.5	7.5	9.0	10.5	7.5	7.0	11.5	4.5	3.5	3.5	4.5	7.0	8.5	10.5	6.0	5.5	5.0	4.0	2.5	4.5	6.5	5.5	7.5	7.5	6.5	11.5	
2	7.5	10.0	10.5	9.0	5.0	9.0	7.0	3.5	3.5	4.0	4.5	7.0	8.5	10.5	15.0	18.5	17.5	17.5	11.5	11.0	11.5	10.5	9.5	4.5	9.5	18.5	
3	3.0	4.0	4.0	3.5	3.0	9.0	6.0	4.5	2.5	5.5	7.5	6.0	8.5	12.0	17.0	13.5	12.5	12.5	12.5	11.0	6.5	8.0	12.0	6.5	8.0	17.0	
4	10.5	10.0	10.5	11.5	8.5	10.5	9.0	7.0	3.5	4.0	4.5	4.0	4.5	7.0	10.0	9.0	6.5	4.0	3.0	5.5	12.0	12.0	11.5	11.5	8.0	12.0	
5	8.0	10.5	9.0	9.0	9.5	8.0	7.5	5.5	2.5	4.5	4.0	5.0	4.5	5.5	7.5	6.0	6.5	7.5	8.5	5.0	10.0	13.5	8.5	5.0	7.0	13.5	
6	5.5	6.0	4.5	6.0	8.5	10.5	6.0	5.5	6.0	11.0	10.5	9.0	8.5	10.0	12.0	16.0	10.0	8.5	5.5	6.0	11.0	8.5	6.0	11.0	4.5	16.0	
7	11.0	7.5	5.5	3.0	3.5	6.0	6.0	3.0	3.5	9.0	6.0	4.5	3.0	5.0	4.0	1.0	10.0	6.0	6.0	3.5	6.0	5.5	6.5	5.0	5.5	11.0	
8	9.0	8.0	6.5	8.0	8.5	3.5	2.5	4.0	11.0	8.0	5.5	3.5	4.0	3.0	2.5	3.0	2.0	2.0	6.5	3.5	1.5	3.0	5.5	6.5	5.0	11.0	
9	7.5	6.0	4.5	2.0	2.5	3.5	3.5	3.0	4.5	5.5	4.5	5.5	4.0	5.5	11.0	10.5	7.5	5.0	5.0	9.0	4.0	3.0	2.5	5.0	11.0	11.0	
10	3.0	1.5	3.5	4.5	4.0	2.5	3.0	2.0	3.5	2.5	14.5	6.0	6.5	4.5	6.0	4.5	3.5	9.5	9.5	11.0	7.0	5.5	6.0	10.5	5.5	14.5	
11	7.0	4.5	7.0	5.5	4.5	1.0	2.0	1.5	3.0	13.5	17.5	16.5	17.5	19.0	16.0	17.0	15.0	7.0	4.5	8.0	7.5	7.5	8.5	8.5	9.0	19.0	
12	7.5	9.0	7.5	6.0	4.5	4.5	3.5	5.0	3.5	7.0	5.5	4.5	6.0	6.0	5.0	5.0	10.0	7.5	4.0	10.5	7.5	10.0	10.0	6.5	4.5	10.5	
13	5.0	8.0	6.5	4.0	4.5	6.0	4.5	3.0	2.5	4.0	4.0	14.0	20.5	19.0	18.0	19.0	18.5	14.5	13.0	9.0	10.5	12.5	12.5	11.0	10.0	20.5	
14	10.0	7.0	10.0	10.0	5.0	5.0	8.5	6.5	4.5	6.0	15.5	14.0	10.5	9.0	10.0	9.5	7.0	5.0	2.5	9.0	8.5	6.0	7.5	7.0	8.0	15.5	
15	8.0	7.5	6.0	8.5	8.0	6.5	8.0	4.0	4.5	4.0	5.0	6.0	8.5	12.0	14.0	14.5	12.0	12.5	11.0	11.0	8.0	4.0	4.5	3.5	8.0	14.5	
16	5.5	4.5	3.0	3.0	7.0	6.5	8.5	5.5	4.5	9.0	19.0	20.5	20.0	17.0	18.0	18.5	17.0	17.5	19.5	18.0	15.0	10.0	10.0	7.5	12.0	20.5	
17	9.5	10.0	9.0	10.0	9.5	11.5	11.5	6.0	3.5	5.0	8.5	10.5	11.0	12.5	10.0	8.0	7.0	11.5	5.5	4.0	8.5	12.5	10.5	8.5	9.0	12.5	
18	9.5	10.5	12.5	8.0	8.5	6.5	8.0	4.0	3.0	3.5	4.0	4.5	9.0	10.0	19.5	19.5	18.0	14.5	12.5	10.0	15.0	19.0	18.5	15.0	11.0	19.5	
19	14.0	13.0	14.5	16.5	17.0	17.0	16.0	14.5	17.0	20.5	19.5	19.0	20.5	20.5	19.0	19.0	15.0	11.0	4.0	10.5	14.5	16.0	9.0	5.0	15.5	20.5	
20	7.5	4.0	5.0	6.5	10.5	10.0	7.5	4.0	2.5	4.0	5.0	8.0	6.0	6.0	7.5	7.0	5.0	4.0	7.0	10.5	9.5	8.5	11.5	10.5	7.0	11.5	
21	6.0	8.5	6.0	3.0	5.0	3.0	7.5	4.0	2.0	6.5	12.0	12.5	14.0	13.0	20.0	19.5	10.5	10.5	11.0	11.5	12.0	4.0	3.5	1.5	8.5	20.0	
22	1.5	2.5	1.0	1.5	2.0	.5	.5	.5	1.5	3.0	7.0	6.0	5.5	6.5	5.5	5.5	5.0	5.0	5.0	5.0	11.0	9.0	11.0	11.0	4.5	11.0	
23	11.5	9.5	11.0	11.0	9.0	6.5	6.0	5.5	3.0	3.0	3.0	2.5	6.5	8.0	6.0	5.0	4.5	6.0	6.0	3.5	7.0	7.0	1.5	6.0	6.0	11.5	
24	9.5	11.5	11.5	10.0	9.0	9.0	10.0	5.0	1.5	.5	5.5	11.5	16.0	15.0	8.5	6.5	4.0	2.5	4.0	8.0	11.5	7.5	10.0	2.5	8.0	16.0	
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
27	9.5	10.5	12.5	6.5	7.0	7.0	4.5	3.5	2.0	3.0	4.5	4.0	7.0	6.0	6.5	8.0	6.0	5.5	3.5	8.5	10.5	11.0	10.5	9.5	7.0	12.5	
28	12.5	11.0	12.5	10.0	6.0	4.5	7.0	3.0	3.5	4.0	4.5	4.0	6.0	8.5	8.0	7.5	7.5	4.0	5.5	9.0	9.5	8.0	7.0	7.0	7.0	12.5	
29	8.0	9.5	11.0	11.5	6.0	10.0	11.5	4.0	3.5	4.5	6.5	7.5	6.5	6.0	7.0	7.5	6.5	4.0	6.0	10.5	13.0	11.5	11.5	11.5	8.0	13.0	
30	10.5	12.0	9.5	7.0	5.5	7.5	9.5	5.0	3.0	3.5	4.0	4.5	5.0	6.0	6.0	7.0	5.5	5.0	4.5	9.0	7.0	10.0	8.5	4.5	7.0	12.0	
AV	6.0	6.0	6.0	7.5	6.5	7.0	7.0	4.5	4.0	5.5	7.5	6.0	9.0	9.5	10.5	10.5	9.0	6.0	7.0	8.5	9.5	9.0	6.5	7.5	8.0	11.0	
SD	3.0	3.0	3.5	3.5	3.0	3.5	3.5	2.5	3.0	4.0	5.0	5.0	5.0	4.5	5.0	6.0	4.5	4.5	4.0	3.0	3.0	3.5	3.5	3.0	2.0	11.0	

ADOUT (29 JAN 61)

WIND SPEED (CC1171)
 MILES/HOUR
 LEVEL HEIGHT 30 METERS
 WHITE RIVER SHALE PROJFCI #119
 RONANZA, UTAH
 SITE 6
 AS OF 31/MAR/81
 OCT. 1980
 AERONAVIGATION INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	11.0	10.5	8.0	7.0	6.5	11.0	6.5	4.5	3.5	3.5	5.5	5.5	5.5	4.5	6.5	5.5	4.5	7.5	4.5	4.0	4.0	4.5	5.0	7.0	6.0	11.0	
2	7.0	9.0	6.0	4.0	5.5	6.0	9.0	15.0	13.0	11.0	8.5	8.5	8.0	7.0	4.5	4.5	3.0	2.0	3.0	8.0	10.0	8.5	10.0	11.5	7.5	15.0	
3	10.0	9.0	6.5	6.0	8.5	8.0	4.5	5.5	3.0	3.0	4.0	5.0	4.5	5.0	5.0	5.0	2.5	2.0	4.5	7.5	11.0	9.5	9.0	11.0	6.0	11.0	
4	10.5	10.0	8.0	9.5	8.0	5.0	5.5	7.5	3.0	3.5	3.0	4.0	5.0	6.0	6.0	5.5	7.5	4.5	6.0	12.0	10.5	11.0	11.0	12.0	7.0	12.0	
5	11.0	9.5	10.5	12.0	8.0	7.5	9.5	7.0	3.0	3.5	4.0	5.0	5.0	6.0	7.5	7.5	6.0	5.0	3.0	6.5	11.0	12.0	12.0	12.5	7.5	12.5	
6	7.0	9.0	9.5	9.5	10.5	14.0	11.0	6.5	2.5	1.5	4.0	5.5	7.0	6.5	6.0	6.0	6.5	5.5	3.5	8.0	12.5	14.5	12.0	11.0	8.0	10.5	
7	11.5	11.0	7.5	7.5	8.5	9.5	5.0	7.5	2.5	2.5	3.0	5.0	4.5	5.5	6.0	6.0	5.5	3.0	2.5	9.0	12.0	11.5	11.5	11.5	7.0	12.0	
8	10.0	13.5	9.5	9.0	10.5	6.5	8.0	4.0	3.0	2.5	4.0	4.5	6.5	6.5	5.0	3.5	3.0	3.0	4.0	10.5	11.5	9.5	8.5	10.5	7.0	13.5	
9	11.0	12.0	8.0	5.5	4.0	5.0	7.0	7.5	3.5	3.0	5.0	4.5	4.5	4.5	7.5	7.5	6.5	4.5	3.0	4.5	4.5	6.5	10.0	12.0	6.5	12.0	
10	12.5	6.5	3.0	3.5	4.0	3.5	4.0	3.5	3.5	7.5	10.5	9.0	7.5	5.5	5.5	6.0	4.0	5.0	3.0	5.0	9.0	9.5	9.5	10.5	11.5	4.5	12.5
11	10.0	12.5	7.0	12.5	10.0	2.5	5.5	5.5	5.5	5.5	1.0	1.0	1.5	7.5	5.0	3.0	2.0	4.5	6.5	4.0	5.0	5.0	3.0	2.5	4.5	12.5	
12	2.0	2.5	2.0	2.5	3.0	3.5	3.0	3.5	4.5	6.5	9.5	6.5	10.5	9.5	4.0	4.5	9.0	13.0	6.5	3.5	7.5	8.0	5.5	4.0	5.5	13.0	
13	5.0	11.5	9.5	4.0	4.0	3.5	5.0	3.0	3.5	5.5	5.5	6.5	7.5	6.5	5.5	8.5	4.0	5.5	9.0	8.0	11.5	11.0	5.5	5.0	6.5	11.5	
14	4.0	6.5	7.0	6.5	5.5	3.0	2.5	3.0	2.5	4.5	4.0	9.5	4.5	8.0	6.5	10.5	10.0	22.0	16.0	10.5	7.5	5.0	8.5	10.5	7.5	22.0	
15	6.5	7.0	9.0	3.5	7.0	12.5	15.5	4.5	7.0	10.0	11.5	15.0	15.0	19.5	14.5	14.0	9.5	8.5	4.5	5.5	6.0	5.5	6.0	4.5	9.5	19.5	
16	7.0	8.0	2.0	8.0	7.5	4.5	9.0	5.0	6.0	8.5	7.5	6.5	6.5	5.5	6.0	5.5	5.0	11.0	13.5	12.5	15.0	14.5	13.5	14.0	4.5	15.0	
17	13.5	6.5	3.5	7.0	8.0	9.0	8.5	7.0	5.5	8.5	11.0	11.0	11.5	14.5	16.5	17.0	13.0	11.0	14.5	15.0	9.0	7.0	6.5	7.0	10.0	17.0	
18	9.0	9.5	9.0	9.5	11.0	9.5	8.5	8.5	6.5	5.5	2.5	4.0	6.0	2.5	2.5	5.5	2.0	5.5	2.0	9.5	8.5	4.5	9.0	11.0	6.5	11.0	
19	10.0	5.5	7.5	6.5	8.0	5.5	7.0	4.5	3.0	3.0	5.0	4.5	5.0	6.5	8.0	5.5	5.5	6.0	3.0	7.5	10.0	12.0	13.5	9.5	7.0	13.5	
20	10.0	8.5	10.0	8.5	7.0	5.0	7.5	8.0	3.5	3.5	3.5	4.5	5.0	5.5	5.5	4.0	3.0	2.0	4.0	9.0	9.0	7.5	10.0	10.0	6.5	10.0	
21	9.5	12.0	8.0	6.0	11.5	7.0	3.0	6.5	4.0	2.5	4.5	4.5	4.5	5.0	5.0	5.0	3.0	5.5	7.5	7.0	3.0	6.0	8.0	5.5	6.0	12.0	
22	6.0	6.0	4.0	5.5	6.5	6.5	4.0	6.0	8.0	5.0	15.5	19.0	18.0	17.5	23.0	23.0	25.0	24.0	17.0	18.0	10.5	5.0	3.5	4.0	11.5	25.0	
23	4.0	2.5	5.5	5.5	9.5	7.0	1.5	6.5	6.5	8.5	10.0	4.0	6.5	4.5	4.5	4.5	4.5	3.0	5.5	4.0	4.5	9.0	12.0	7.5	9.0	12.0	
24	1.5	1.0	5.5	8.5	9.5	5.0	5.5	3.5	2.5	3.0	4.0	3.5	5.0	5.5	5.0	7.0	7.0	7.0	3.5	6.5	8.5	8.0	9.5	11.0	5.5	11.0	
25	13.0	9.5	9.0	7.0	6.5	8.0	8.5	3.5	3.0	3.0	4.5	5.5	6.0	7.0	7.0	6.5	2.5	1.0	5.5	8.5	10.0	7.0	6.0	8.5	6.5	13.0	
26	5.5	4.5	4.5	4.0	3.0	4.0	2.5	4.5	2.0	1.5	5.0	8.5	9.0	8.5	7.5	4.5	2.0	3.5	4.5	1.0	1.0	3.5	4.0	1.5	4.0	9.0	
27	3.0	4.5	6.0	6.0	7.5	6.5	2.5	3.0	4.0	12.0	12.0	13.0	13.5	16.0	14.0	17.0	17.0	16.0	12.5	12.0	11.5	11.0	6.5	6.0	9.5	17.0	
28	9.0	5.5	3.0	2.5	2.5	3.0	2.5	2.5	3.0	4.0	4.0	5.0	5.0	4.0	4.5	5.0	3.5	6.0	4.0	5.5	10.5	10.0	10.0	11.0	5.0	11.0	
29	7.5	7.5	5.5	4.5	5.5	4.0	4.0	5.0	3.5	2.5	4.5	4.0	5.0	5.0	4.0	4.0	4.0	5.0	3.5	6.0	7.5	8.0	10.5	11.5	5.5	11.5	
30	5.5	8.5	6.5	4.0	5.5	6.0	5.0	3.5	2.0	2.5	3.5	4.5	5.5	4.0	3.0	4.0	2.0	5.5	2.5	6.5	8.0	10.0	9.0	12.5	5.5	12.5	
31	9.5	10.5	4.5	6.0	7.0	7.5	5.0	7.0	3.0	2.5	3.0	3.5	4.5	5.0	4.0	6.0	5.5	4.0	4.0	7.0	8.0	9.5	9.5	8.5	6.0	10.5	
AV	8.0	8.0	6.5	6.5	7.0	6.5	6.0	5.0	4.0	4.5	6.0	6.5	7.0	7.0	7.0	7.0	6.0	6.5	6.0	7.5	8.5	8.5	8.5	9.0	7.0	11	
SD	3.0	3.0	3.0	2.5	2.5	3.0	3.0	2.5	2.0	3.0	3.5	3.5	3.5	4.0	4.5	4.5	5.0	5.5	4.0	3.0	3.0	3.0	3.0	3.5	1.5	11	

WIND SPEED 1CC1171
 MILES/HOUR
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 NOV. 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
CLOCK HOUR (LOCAL STANDARD TIME)																											
1	11.5	8.5	7.5	10.5	9.0	5.5	5.5	7.0	4.5	3.0	3.0	4.5	5.0	5.0	2.5	3.0	4.5	2.5	4.5	10.0	10.5	9.5	7.0	5.0	6.0	11.5	
2	5.5	7.0	7.5	8.5	5.0	6.5	4.0	4.0	4.5	3.0	3.0	3.0	4.5	4.5	3.5	2.5	2.5	7.5	4.5	7.5	7.0	5.0	12.0	13.0	6.0	13.0	
3	7.0	7.5	8.5	8.0	5.5	5.5	6.0	5.5	4.5	3.0	4.0	4.5	4.5	4.0	2.5	3.5	2.5	2.5	3.0	6.5	9.0	10.5	10.0	10.0	6.0	10.5	
4	9.5	8.5	9.0	6.0	6.0	5.0	4.5	5.0	4.5	2.5	3.0	4.0	4.5	5.0	5.5	5.0	5.5	7.5	3.5	8.0	9.0	9.5	11.5	11.0	6.0	11.5	
5	11.0	6.5	8.5	9.5	6.5	4.5	4.5	6.0	5.0	3.0	4.0	4.0	4.0	4.0	3.5	4.0	6.0	4.0	5.0	5.0	4.0	7.0	6.0	3.0	5.5	11.0	
6	3.0	3.0	3.0	5.0	5.0	5.0	5.0	2.5	2.0	3.0	3.0	3.5	4.0	8.5	15.0	14.0	11.0	15.5	9.5	4.5	4.5	4.0	3.0	4.5	6.5	15.5	
7	8.0	8.0	7.5	11.5	13.5	9.5	9.5	15.0	12.5	13.5	13.5	16.0	17.0	18.0	18.5	17.5	14.5	8.0	5.5	7.5	11.5	10.5	14.5	13.0	12.0	18.5	
8	7.0	8.0	7.5	6.0	9.5	5.0	5.5	7.0	2.5	3.0	3.5	5.0	5.0	5.0	3.5	2.0	2.5	2.0	2.5	2.0	2.5	5.0	3.5	5.0	6.0	9.5	
9	3.5	2.5	3.0	4.5	3.0	4.0	3.0	2.0	2.0	2.0	3.5	4.0	5.0	6.0	4.0	2.5	3.0	3.0	8.0	10.0	8.5	12.5	10.5	8.0	5.0	12.5	
10	6.0	3.5	4.0	3.0	4.0	4.5	3.0	5.5	2.0	2.0	2.5	2.5	5.0	4.0	2.5	1.5	2.5	2.0	6.5	9.0	8.5	6.5	2.5	2.5	4.0	9.0	
11	2.0	2.0	6.0	6.0	9.5	10.0	7.5	8.0	2.5	3.5	17.0	21.5	17.0	18.0	16.0	18.0	13.0	14.5	8.0	7.5	9.0	7.5	4.0	3.0	10.5	19.0	
12	3.0	3.5	6.0	6.5	12.0	13.5	11.0	9.5	16.5	19.0	17.0	12.5	10.5	9.0	9.0	11.0	10.0	10.0	11.0	12.5	11.5	10.0	10.0	9.5	10.5	21.5	
13	6.5	3.5	3.0	2.0	2.5	3.5	5.0	6.0	7.0	4.5	5.5	7.0	6.0	6.0	3.5	5.5	11.5	11.5	11.5	11.5	11.5	5.5	2.5	4.0	5.5	11.5	
14	5.5	7.5	7.0	7.5	7.5	7.5	8.0	9.5	5.5	3.0	4.5	5.0	6.5	6.5	6.0	6.0	9.0	9.0	6.0	7.5	6.5	6.5	7.0	5.5	7.0	9.5	
15	5.0	3.5	2.0	3.0	2.5	3.5	3.0	2.5	2.5	3.0	3.0	4.0	4.0	5.0	3.5	3.0	1.5	3.5	5.0	4.5	4.5	4.5	7.0	5.5	4.0	7.0	
16	5.0	3.5	2.0	3.0	2.5	3.5	3.0	2.5	2.5	3.5	6.0	7.0	5.0	5.5	3.5	6.0	6.0	5.5	4.0	4.5	4.5	6.5	7.0	3.5	4.0	7.0	
17	5.0	4.0	7.5	5.5	7.0	9.0	10.5	7.0	6.0	3.5	3.0	4.0	4.0	5.0	3.5	3.0	3.5	3.5	5.0	9.5	10.5	12.5	7.5	4.0	3.0	7.0	
18	10.0	7.5	6.5	9.0	11.0	5.5	4.0	6.5	5.0	2.5	3.0	3.5	4.5	6.0	4.5	5.0	3.5	3.5	3.5	8.5	8.5	10.5	12.5	7.5	12.0	6.0	12.5
19	8.0	9.5	9.5	9.0	7.0	5.5	7.0	5.0	2.5	2.5	3.0	4.0	4.0	3.5	4.0	3.5	2.0	5.0	2.5	6.5	6.0	9.0	11.0	10.5	6.5	11.0	
20	7.5	4.5	6.0	9.5	6.0	5.5	3.5	4.0	7.0	3.5	3.5	4.0	4.0	4.0	4.5	5.0	5.0	3.5	7.5	10.5	11.5	9.0	7.5	9.5	6.0	11.5	
21	8.5	5.5	9.5	5.0	9.5	7.5	4.5	4.0	4.0	2.5	3.0	3.5	4.0	4.5	5.0	5.0	4.5	3.0	7.5	8.0	4.5	4.0	3.0	4.5	5.0	9.5	
22	6.5	4.0	2.0	3.5	4.5	3.5	3.5	4.5	2.5	2.5	2.5	3.5	3.5	4.0	5.0	5.0	8.5	9.0	7.5	5.5	7.0	5.0	4.5	6.0	5.0	10.0	
23	5.5	6.0	8.5	6.5	6.5	8.0	8.0	7.5	3.0	4.0	4.0	5.0	3.5	6.5	5.0	4.0	5.5	3.0	6.0	6.0	10.0	3.5	4.0	3.0	5.0	10.0	
24	6.0	3.5	3.5	3.5	3.0	3.0	4.0	6.0	7.0	7.0	4.0	4.5	3.5	2.0	2.5	4.5	4.0	10.0	6.0	12.0	7.5	4.0	4.5	3.5	5.0	12.0	
25	6.0	5.0	6.0	5.0	7.0	4.0	4.0	2.5	3.0	2.0	3.0	4.0	4.0	3.0	3.5	4.0	2.0	4.0	5.0	6.0	6.0	4.0	4.5	4.0	4.5	7.0	
26	5.0	5.0	7.0	7.5	7.0	5.5	7.5	10.0	5.0	2.5	2.5	4.0	5.0	4.0	4.0	4.0	1.5	4.0	5.0	4.5	6.5	6.0	11.5	12.0	6.0	12.0	
27	7.0	6.5	8.0	5.5	3.0	7.5	3.0	5.5	4.0	2.0	3.0	4.5	6.0	5.0	2.5	2.5	3.5	4.5	4.5	3.5	3.5	3.5	4.5	6.5	4.5	4.0	
28	3.0	4.0	5.0	5.0	4.0	2.5	7.0	4.0	6.5	3.0	3.5	5.0	5.0	4.5	3.0	4.5	4.5	3.5	3.0	3.0	3.0	2.5	4.0	4.5	4.0	4.5	
29	3.5	1.5	3.0	4.5	4.0	5.0	3.5	2.5	4.0	4.5	3.5	3.5	3.5	3.0	3.0	4.0	2.0	3.5	2.0	3.5	3.5	3.0	2.0	2.5	3.0	5.0	
30	2.0	2.5	2.5	3.0	2.5	3.0	2.5	3.5	4.5	4.0	3.0	4.5	8.5	6.0	7.0	8.5	10.0	10.0	7.0	4.5	7.0	11.0	17.5	9.0	6.0	17.5	
AV	6.0	5.5	6.0	6.0	6.5	6.0	5.5	6.0	5.0	4.0	4.5	5.5	5.5	6.0	5.5	6.0	5.5	6.0	6.0	7.5	7.5	6.5	7.0	7.0	6.0	11	
SD	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	3.5	4.0	4.0	4.0	3.5	3.5	4.0	4.0	3.5	3.5	3.0	2.5	2.5	3.0	4.0	3.5	2.0	11	

ADOUT (29 JAN 81)

WIND SPEED (C0817)

MILES/HOUR

LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE # 6

DEC. 1980

AEROSYSTEMS INC.

.....
* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAR/81 * * * * *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	8.0	8.5	4.5	1.5	3.0	4.5	6.0	6.5	3.0	8.5	8.5	17.5	12.5	9.5	7.0	5.0	9.0	8.0	6.0	9.5	7.5	6.5	6.5	4.0	7.0	17.5	
2	2.5	2.5	4.5	2.5	4.0	5.5	3.5	6.5	4.5	2.5	4.0	3.5	3.0	2.0	3.5	4.0	3.0	2.0	2.5	3.0	3.5	3.0	4.0	3.0	3.5	6.5	
3	4.0	3.5	4.0	3.5	3.0	2.0	3.5	7.0	5.0	3.0	4.5	3.5	4.0	6.5	9.5	8.5	14.5	10.0	8.5	11.5	13.0	6.5	3.5	3.5	6.0	14.5	
4	4.0	6.0	4.0	3.5	5.5	2.5	4.0	11.5	17.0	19.5	21.5	23.0	23.0	24.0	21.5	18.5	16.0	20.0	9.0	5.0	10.0	12.0	17.0	10.5	13.0	24.0	
5	9.0	13.5	12.0	6.0	3.0	5.5	4.0	2.5	3.5	4.5	4.5	9.0	5.0	4.0	5.5	7.0	8.0	4.5	6.0	4.0	5.0	3.0	5.0	3.0	5.5	13.5	
6	4.5	2.5	3.5	2.5	3.5	4.0	2.0	3.5	3.5	5.0	2.5	3.5	4.0	3.0	2.0	5.0	5.0	10.5	6.5	4.5	3.5	3.5	2.5	2.0	4.0	10.5	
7	2.0	3.0	4.0	2.0	3.5	3.0	3.0	4.5	2.5	3.0	3.5	6.5	9.0	6.0	6.5	4.0	1.5	4.0	10.0	9.5	5.5	7.0	5.5	5.0	4.5	10.0	
8	4.5	5.0	6.5	4.5	2.0	3.0	4.0	4.5	3.0	3.0	4.5	5.5	7.0	6.5	8.0	6.5	5.5	4.0	4.5	7.0	9.0	11.5	7.5	8.0	5.5	11.5	
9	9.0	6.5	3.5	3.0	2.0	4.0	1.5	2.5	4.0	3.5	5.5	6.0	6.0	5.0	4.5	3.5	2.0	3.0	6.5	10.0	9.5	5.5	9.5	9.5	5.5	10.0	
10	7.0	6.5	7.0	8.0	6.5	8.0	9.5	4.5	3.5	3.0	2.5	3.5	4.0	5.0	5.0	3.0	6.0	3.5	2.5	4.5	6.5	4.5	6.0	5.0	9.5	5.0	10.0
11	8.0	5.0	4.5	4.5	6.0	3.0	6.0	4.0	4.0	1.0	3.0	4.0	4.5	6.0	4.0	5.0	6.0	4.0	4.5	6.0	8.0	8.5	9.0	10.0	5.0	10.0	
12	4.5	5.0	6.0	5.0	5.0	2.0	7.0	6.0	3.5	2.0	2.5	3.5	3.5	4.5	4.5	5.0	6.0	2.5	2.5	6.5	5.0	7.5	6.5	8.0	5.0	8.0	
13	9.0	8.5	5.0	5.0	6.0	5.0	7.0	5.0	6.0	3.0	3.0	3.0	3.5	3.5	3.0	3.0	4.5	4.5	9.0	10.5	8.0	6.5	7.5	10.5	6.0	10.0	
14	10.0	9.0	5.0	6.5	4.0	5.0	7.5	4.0	4.0	4.0	2.5	3.0	4.0	3.5	4.5	6.5	5.0	4.5	4.5	5.0	6.5	5.5	4.5	4.5	5.0	10.0	
15	5.5	4.5	6.5	3.0	4.5	4.0	6.5	3.0	2.5	1.5	3.5	3.5	6.5	4.0	2.5	3.5	3.0	6.0	7.5	2.5	6.0	8.0	6.0	4.5	4.5	8.0	
16	4.0	8.0	5.5	3.5	2.5	4.5	5.5	4.0	3.5	2.5	3.0	3.5	3.5	4.5	7.0	6.0	7.0	4.0	3.5	5.0	7.5	6.5	7.0	4.5	5.0	7.5	
17	4.0	8.0	5.5	3.5	2.5	4.5	5.5	4.0	3.5	2.5	3.0	3.5	3.5	4.5	7.0	6.0	7.0	4.0	3.5	5.0	7.5	6.5	7.0	4.5	5.0	7.5	
18	4.5	8.5	2.0	2.0	4.5	3.5	1.5	2.5	2.0	2.5	2.5	3.5	3.5	5.5	6.0	7.5	6.0	5.0	4.0	4.0	5.5	6.5	4.0	5.5	4.5	8.5	
19	8.0	10.0	5.0	6.0	5.0	6.0	6.0	7.0	6.5	3.5	3.0	4.0	3.0	3.5	4.0	5.5	5.0	3.5	4.5	9.0	10.5	8.0	6.0	6.0	4.5	8.5	
20	8.5	4.5	6.0	5.0	5.0	6.5	5.0	3.0	3.0	1.5	3.0	3.0	3.5	3.0	4.0	5.5	5.0	3.5	4.5	9.0	6.0	8.5	8.0	9.0	6.0	10.0	
21	3.5	4.5	5.5	3.5	4.5	4.0	7.0	5.5	3.5	2.5	3.0	3.5	3.5	4.0	3.0	3.0	3.0	3.0	4.0	3.0	3.5	2.0	2.0	3.0	4.0	9.5	
22	3.0	3.0	5.0	9.5	8.0	9.5	7.0	5.5	4.5	6.5	6.0	7.5	5.5	4.0	5.0	5.5	3.0	4.0	10.0	9.5	10.5	9.5	7.5	8.5	6.5	10.5	
23	7.0	11.0	7.5	5.5	4.0	7.0	5.0	5.0	2.5	2.5	3.0	3.5	4.5	5.0	4.5	4.5	4.5	2.5	4.0	7.5	10.0	6.5	3.5	3.5	5.5	11.0	
24	4.0	3.5	4.5	5.5	5.5	4.5	4.0	4.5	4.0	4.5	3.0	5.0	5.0	5.0	5.5	5.5	4.5	3.5	4.5	8.0	4.0	8.5	7.0	6.5	5.0	8.5	
25	7.5	12.5	6.0	4.0	2.0	5.0	4.5	7.0	5.5	4.0	4.0	2.5	3.0	3.5	4.0	5.0	6.0	4.5	4.0	5.0	7.0	6.5	9.0	8.0	5.5	12.5	
26	8.0	4.5	5.0	7.5	5.0	4.0	6.5	5.5	4.5	4.0	4.0	2.5	3.0	3.5	4.0	5.0	6.0	4.5	4.0	5.0	7.0	6.5	9.0	8.0	5.5	12.5	
27	6.5	3.5	5.5	3.5	4.0	4.5	4.5	3.5	3.5	3.0	2.5	3.0	3.0	4.5	5.5	5.0	4.0	3.0	6.0	8.5	9.5	9.0	9.0	6.5	5.5	9.5	
28	9.0	8.5	9.5	9.0	6.5	7.0	9.0	6.0	4.0	3.0	3.0	3.0	4.5	3.5	4.5	3.5	3.5	3.0	6.5	11.0	12.0	8.5	9.0	9.5	6.5	12.0	
29	5.0	6.5	9.5	7.0	5.0	6.5	4.5	9.0	7.5	3.5	2.0	3.5	3.5	5.0	7.0	7.0	3.0	4.0	4.0	7.5	9.0	6.0	7.0	8.0	6.0	9.5	
30	9.0	4.5	7.0	3.5	5.0	6.5	3.5	3.0	3.0	1.5	3.0	2.0	3.0	6.0	4.5	4.5	6.5	2.0	2.5	6.5	6.0	7.5	10.5	9.5	5.0	10.5	
AV	6.0	6.5	5.5	4.5	4.5	4.5	5.0	5.0	4.5	4.0	4.0	3.0	5.0	5.5	5.5	5.5	6.0	4.0	5.0	6.5	7.0	6.5	7.0	6.5	3.5	11.1	
SD	2.5	3.0	2.0	2.0	1.5	1.5	2.0	2.0	2.5	3.5	3.5	4.5	3.5	3.5	3.5	2.5	3.0	3.5	2.0	2.5	2.5	2.5	3.0	2.5	1.5	11.1	

WIND DIRECTION 1001021

DEGREES
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SIIF 6

JAN, 1900

AFROVIRONMENT (PC)

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	1VA1	40	135	165	155	155	220	105	165	305	330	265	275	270	255	245	155	170	1VA1	120	190	180	180	H
2	310	160	285	195	285	290	270	330	355	355	225	355	315	275	0	5	315	275	320	260	280	250	40	13	
3	5	0	25	155	175	165	170	165	165	295	310	315	310	270	265	280	275	270	1VA1	1VA1	15	325	310	1VA1	
4	255	320	210	200	245	270	310	280	295	265	325	105	320	290	260	270	275	270	270	300	305	350	300	5	13
5	330	50	35	200	135	165	160	145	110	150	170	160	295	10	275	270	55	5	315	270	240	1VA1	135	175	H
6	110	35	345	5	55	55	65	140	155	195	235	280	315	40	50	60	60	70	95	130	140	145	250	115	3
7	95	90	65	45	135	135	245	355	15	60	130	10	345	275	330	25	110	150	145	145	145	90	95	70	(VA1)
8	75	95	35	325	5	50	95	120	130	285	290	290	285	210	355	180	75	55	235	260	215	250	210	1VA1	
9	170	95	145	130	130	145	120	150	180	175	180	185	185	185	185	195	205	210	190	200	180	200	195	9	
10	180	190	190	185	190	180	180	190	195	195	195	200	210	265	265	280	280	275	280	285	265	275	1VA1	145	9
11	155	145	130	135	130	130	130	130	130	235	315	315	245	275	270	280	15	1VA1	1VA1	270	315	300	330	315	7
12	255	230	1VA1	255	200	325	290	245	270	265	1VA1	285	280	325	320	285	245	0	1VA1	145	140	150	145	155	12
13	45	285	1VA1	120	150	75	110	95	1VA1	1VA1	295	290	275	275	290	285	280	305	310	305	275	260	215	1VA1	14
14	200	195	185	180	165	180	185	225	265	150	155	195	145	170	85	75	60	1VA1	60	110	115	55	200	185	9
15	200	210	150	145	85	100	265	285	275	235	1VA1	290	280	260	355	55	60	35	65	190	280	140	195	70	18
16	1VA1	230	160	170	180	165	165	240	315	20	270	295	290	320	340	355	330	270	200	295	285	110	15	0	19
17	315	135	150	45	55	30	120	150	130	1VA1	65	355	320	290	270	275	315	335	305	155	105	145	185	150	H
18	150	115	130	80	95	1VA1	1VA1	155	230	250	195	320	340	270	265	270	255	265	285	70	75	80	80	80	5
19	75	85	85	70	75	75	80	80	80	80	25	65	50	65	50	45	70	50	75	75	75	55	60	65	4
20	110	150	145	160	160	160	155	155	165	105	200	305	285	300	270	315	345	320	335	255	255	100	165	175	H
21	295	250	225	305	350	35	355	100	305	310	315	340	200	280	0	315	275	280	260	315	295	305	320	15	
22	315	300	345	335	340	45	110	85	100	95	330	60	340	20	350	315	20	35	85	120	140	135	140	145	14
23	135	105	150	110	100	145	1VA1	90	155	75	335	280	275	295	260	315	290	280	285	295	260	165	275	10	14
24	295	125	115	135	295	20	60	95	140	50	115	350	1VA1	340	405	280	245	245	240	310	285	280	350	290	14
25	315	315	25	355	300	285	345	25	1VA1	320	10	330	260	240	270	315	0	315	170	60	80	70	60	45	15
26	45	50	65	35	25	55	25	40	40	55	320	0	355	35	35	40	50	60	75	60	60	60	45	50	3
27	60	100	15	15	85	55	70	70	30	40	275	265	285	315	305	310	265	280	265	185	280	250	260	55	13
28	50	60	65	60	45	45	40	60	50	25	55	40	40	45	35	45	40	55	30	40	1VA1	280	265	160	3
29	40	40	210	110	330	1VA1	280	310	0	340	290	250	265	265	275	295	185	215	165	70	165	185	145	110	13
30	140	125	150	155	125	120	105	160	90	60	70	5	280	285	105	35	140	15	105	145	150	160	145	7	
31	135	185	130	155	140	135	80	00	120	25	15	245	255	205	335	285	260	265	285	285	235	340	110	100	7
PV	1VA1	7	8	7	8	8	8	6	1VA1	7	5	14	14	13	13	13	13	13	13	14	13	13	7	9	13

AUGUST 121 JAN 811

WIND DIRECTION (C:02)

WHITE RIVER SHALE PROJECT, #139

BOWANZA, UTAH

SITE #

LEVEL HEIGHT : 10 METERS

JAN, 1980

APPROXIMATE INC.

.....
* TRIG DATA *
* AS OF 02/JUN/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	(VA)	NE	SE	SSE	SSE	SSE	SSE	SW	ESE	SSE	W	W	W	W	W	WSW	WSW	SSE	S	(VA)	ESE	S	S	SSE
2	W	N	NNE	SSW	WSW	WSW	W	SSE	N	N	NNE	N	N	N	N	N	N	N	W	(VA)	(VA)	NNE	N	N	(VA)
3	N	N	NNE	SSW	S	SSE	S	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	(VA)	(VA)	NNE	N	N	(VA)
4	WSW	N	N	SSW	WSW	W	W	W	WSW	W	W	W	W	W	W	W	W	W	W	(VA)	(VA)	NNE	N	N	(VA)
5	N	N	NNE	SSW	S	SSE	S	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	(VA)	(VA)	NNE	N	N	(VA)
6	ESE	NE	NNE	N	NE	NE	NE	SE	SSE	SSW	SW	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
7	E	E	E	NE	SE	SE	WSW	N	NNE	E	SE	N	NNE	W	W	W	W	W	W	W	W	W	W	W	W
8	E	E	E	NE	N	NE	E	ESE	SE	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
9	S	S	S	S	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
10	S	S	S	S	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
12	WSW	SW	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
13	NE	WSW	(VA)	ESE	SSE	ESE	ESE	ESE	(VA)	(VA)	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	
14	SSW	SSW	S	S	SSE	S	S	S	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	SSW	SSW	SSE	SE	E	E	E	E	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
16	(VA)	SW	SSE	S	SSE	SSE	SSE	SSE	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
17	N	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
18	SSE	FSE	SE	E	(VA)	(VA)	ESE	ESE	SE	WSW	SSW	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19	FSE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
20	FSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
22	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
31	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION ILL1021
 DEGREES
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SUFF 6
 FEB, 1980
 AEROSOL/IMPACT INC.

 * FJMAL DATA *
 * AS OF 02/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	145	160	75	(VA)	125	115	125	120	205	315	250	330	300	270	270	270	265	250	130	70	45	155	145	65	7
2	125	130	175	100	155	(VA)	135	150	140	300	35	275	275	290	265	280	335	(VA)	225	245	290	160	350	145	(VA)
3	135	(VA)	(VA)	(VA)	5	255	275	(VA)	85	105	230	260	305	290	280	270	260	285	220	235	100	340	165	215	13
4	45	50	45	60	140	200	250	295	235	215	(VA)	295	300	280	270	270	255	280	150	140	105	155	160	125	13
5	135	140	145	120	110	150	80	80	195	340	20	245	280	270	260	270	265	250	255	190	100	140	(VA)	170	13
6	265	(VA)	80	160	135	180	150	140	(VA)	315	315	265	275	290	270	270	260	275	265	305	250	350	150	140	13
7	135	(VA)	340	265	285	270	275	285	270	255	260	280	295	250	260	(VA)	65	50	45	5	355	305	220	(VA)	14
8	30	40	155	150	165	145	140	150	150	190	315	275	265	270	285	245	330	350	130	150	145	155	145	150	8
9	160	155	130	145	145	145	130	135	140	345	250	280	275	270	270	275	270	265	290	85	135	140	140	135	7
10	140	145	105	85	140	125	75	55	315	70	285	300	305	270	265	270	270	275	280	235	(VA)	140	140	140	(VA)
11	135	150	135	135	140	125	120	110	140	95	310	295	270	275	275	270	270	285	260	240	145	145	145	150	7
12	130	135	140	75	130	130	80	100	150	315	285	275	275	275	275	265	275	275	230	(VA)	175	125	(VA)	120	(VA)
13	130	140	140	140	150	145	85	(VA)	(VA)	195	270	275	335	290	275	280	280	275	270	265	265	200	250	(VA)	13
14	0	275	295	(VA)	20	0	(VA)	(VA)	(VA)	275	280	285	275	270	275	265	280	270	270	125	65	45	45	110	14
15	145	100	185	(VA)	145	210	160	50	115	245	270	270	270	275	275	275	265	260	230	245	320	315	16	40	13
16	145	165	45	105	115	165	145	180	305	0	120	(VA)	345	275	275	270	265	290	290	340	295	300	240	245	14
17	305	295	280	215	280	265	255	300	175	275	270	270	320	305	250	55	310	255	5	75	125	215	225	50	13
18	130	340	225	245	80	235	325	20	35	110	180	250	200	265	270	195	160	150	145	260	205	165	160	160	A
19	180	140	265	165	165	135	100	90	105	120	325	195	235	220	190	145	170	215	115	105	40	165	15	(VA)	9
20	60	130	150	155	155	180	175	190	225	150	205	175	175	185	205	220	290	315	115	145	150	160	170	165	A
21	210	265	185	315	100	(VA)	125	65	85	345	200	185	110	145	180	200	275	275	275	315	330	280	375	(VA)	9
22	175	20	135	265	270	170	155	165	160	250	270	275	275	290	285	320	295	315	45	140	155	185	220	140	14
23	140	120	150	200	175	200	110	165	145	280	(VA)	275	295	295	290	290	240	40	30	65	135	155	165	180	A
24	190	125	120	140	160	135	130	145	195	(VA)	320	320	265	295	285	290	260	(VA)	20	120	155	155	145	160	7
25	140	155	145	140	145	135	145	145	130	275	270	270	290	330	325	315	330	315	265	175	140	145	155	155	7
26	145	130	150	135	145	140	130	135	140	255	285	270	260	305	335	300	270	280	255	170	135	150	160	155	7
27	150	150	150	110	120	140	150	145	75	320	300	305	290	280	270	265	270	275	325	125	130	140	145	145	A
28	165	160	145	150	140	135	225	160	140	315	285	260	270	270	290	335	285	345	210	260	265	230	155	165	A
29	330	285	40	160	160	140	175	175	180	190	265	290	285	40	355	345	0	455	20	75	110	40	70	40	5
PV	A	7	8	7	7	7	7	A	7	14	13	14	14	14	13	14	13	13	13	7	7	A	A	A	7

WIND DIRECTION (CC102)

LEVEL HEIGHT 1 TO METERS

PHILIPPINE REVENUE BUREAU PROJECT, #139
 HOGANZA, HIAH
 SITE 6
 FEB, 1980
 AERONAUTICAL INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DATE	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	SE	SE	ENE	(VA)	SE	ESE	SE	ESE	SSE	ENE	WSW	ENE	W	W	W	W	W	WSW	SE	ENE	NE	SSE	ENE	ENE	SE
2	SE	SE	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)
3	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
4	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
5	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
6	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
7	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
8	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
9	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
10	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
11	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
12	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
13	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
14	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
15	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
16	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
17	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
18	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
19	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
21	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
22	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
23	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
24	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
25	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
26	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
27	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
28	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
29	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
30	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE

WIND DIRECTION (CC)071
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE GIVER SHALE PROJECT, #139
 HUNANZA, GITHAI
 SITE 6
 MAR, 1980
 AEROSOL/NOISEMENT INC.

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 * FINAL DATA *
 * AS OF 02/JUN/81 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	90	75	65	90	95	95	95	90	30	300	285	335	325	295	275	265	325	310	35	125	145	150	145	145	5
2	115	130	110	105	135	135	150	140	(VAI)	(VAI)	290	325	335	290	265	290	310	320	(VAI)	115	130	130	145	135	7
3	145	(VAI)	125	165	(VAI)	65	140	200	(VAI)	45	(VAI)	215	195	140	190	195	225	155	60	100	145	115	180	205	10
4	205	220	165	170	165	170	145	145	70	145	145	265	270	290	290	280	290	285	275	260	215	185	165	165	A
5	165	160	160	155	135	180	220	315	305	275	220	195	195	145	200	190	195	190	195	190	190	200	185	185	9
6	175	195	225	265	240	160	160	160	120	10	50	315	270	260	275	(VAI)	120	235	25	65	70	(VAI)	55	150	(VAI)
7	155	170	190	385	45	135	265	65	70	120	210	235	255	260	295	255	260	200	245	0	5	355	175	165	12
8	175	205	255	165	165	160	160	160	170	280	270	270	275	275	270	265	270	250	235	225	250	155	200	175	11
9	125	160	190	165	160	160	160	145	170	275	290	265	280	265	240	235	255	250	235	195	155	160	165	160	A
10	175	165	160	145	115	130	100	95	45	(VAI)	275	290	300	275	255	280	290	270	185	150	165	155	155	125	A
11	140	135	135	140	140	115	130	135	95	(VAI)	55	20	315	(VAI)	280	170	170	135	170	170	180	180	170	160	7
12	135	255	260	260	280	285	275	280	270	270	275	275	280	280	270	270	275	290	300	345	30	115	165	150	13
13	135	140	185	170	145	145	120	140	70	355	320	275	265	295	285	280	270	260	95	160	45	135	45	175	7
14	110	140	140	120	125	140	135	120	75	75	345	280	280	255	185	180	190	190	215	165	175	170	180	45	7
15	75	(VAI)	190	110	(VAI)	35	50	320	280	60	320	245	275	250	240	205	220	210	250	270	185	325	275	280	12
16	300	285	290	310	340	305	25	65	20	330	320	335	340	340	345	0	345	5	10	20	345	(VAI)	140	165	16
17	185	160	150	170	125	135	130	100	80	0	10	(VAI)	250	140	190	190	260	190	190	175	170	170	170	190	9
18	155	130	135	130	75	115	120	175	(VAI)	280	295	295	275	270	275	310	305	320	25	135	150	140	140	150	7
19	150	155	150	135	110	130	135	95	110	(VAI)	280	275	275	270	280	275	290	290	290	315	5	40	115	185	7
20	140	150	170	165	150	150	135	110	85	315	310	295	335	340	300	305	(VAI)	175	160	160	165	155	135	125	A
21	75	70	65	135	115	90	100	110	110	185	190	190	185	140	205	220	280	305	310	40	50	160	165	155	9
22	150	155	30	100	265	(VAI)	140	255	285	270	350	80	80	65	80	85	80	70	75	55	0	40	(VAI)	65	4
23	120	140	175	235	55	155	100	105	115	(VAI)	60	65	260	265	305	310	240	290	15	135	225	275	270	160	(VAI)
24	140	155	130	60	55	135	50	110	140	195	210	165	180	145	165	170	150	165	160	255	290	170	155	140	A
25	130	65	40	35	45	95	15	275	200	160	145	(VAI)	215	300	265	285	265	340	15	180	275	255	250	165	13
26	165	200	260	185	160	150	150	165	295	325	280	(VAI)	225	310	280	175	145	135	145	145	150	165	160	155	A
27	150	135	135	135	145	145	140	100	90	320	300	280	260	285	250	240	240	245	245	255	230	245	250	225	14
28	(VAI)	50	305	280	300	270	250	280	275	250	5	5	10	15	10	10	20	30	40	30	35	65	(VAI)	(VAI)	1
29	165	(VAI)	10	(VAI)	135	145	160	175	250	205	(VAI)	320	5	305	(VAI)	(VAI)	90	(VAI)	105	150	170	150	150	160	A
30	180	140	85	70	60	70	60	335	75	55	75	120	230	270	275	245	280	135	145	135	130	185	160	165	(VAI)
31	140	155	160	170	150	145	140	140	115	245	225	195	220	255	215	(VAI)	215	45	95	185	(VAI)	145	170	145	7
PV	B	M	M	7	7	7	7	6	(VAI)	13	14	13	13	13	13	13	13	14	2	M	M	R	R	A	A

WIND DIRECTION (CC:02)

WHITE RIVER SHALE PROJECT, #139
AGANZA, IIAH
SIT 6

LEVEL HEIGHT 3 (0 METERS)

MAH, 1980

AEROVIRONNET INC.

.....
* FINAL DATA *
* AS OF 02/JUN/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
2	ESE	SE	ESE	ESE	SE	SE	SSE	SE (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)	E (VA)
3	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
4	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
5	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
6	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE	S	SSE
8	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
9	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
12	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
13	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
14	ESE	SE	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
15	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
16	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
17	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
22	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
23	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
24	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
31	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION (CC:021)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, R139
 HUMANZA, UTAH
 SILE 6
 APR, 1980
 AERONAVIGATION INC.

.....
 * FINAL DATA *
 * AS OF 02/10R/M1 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	145	140	145	120	220	50	60	45	50	15	15	30	1VA1	275	305	10	45	335	45	60	70	75	80	70	3
2	60	310	340	0	320	265	280	260	255	240	295	290	290	315	300	325	345	345	345	345	50	160	160	155	15
3	160	150	170	145	140	135	155	140	85	110	65	290	335	245	150	165	165	195	295	55	130	150	115	7	
4	65	80	90	45	130	160	145	130	310	310	310	265	285	285	175	160	155	170	155	160	155	160	140	135	4
5	135	140	130	140	135	145	150	135	110	65	195	260	230	220	230	240	245	280	290	240	186	185	170	175	7
6	270	240	240	235	195	180	160	260	255	275	280	280	275	280	285	275	275	285	285	315	130	160	175	220	13
7	235	285	350	325	260	280	285	290	275	275	285	285	280	305	295	280	285	290	280	285	295	20	190	155	14
8	145	135	135	130	110	115	110	145	320	295	295	295	290	270	290	335	1VA1	35	95	160	120	75	130	7	
9	140	130	130	125	135	120	105	80	345	290	350	310	295	270	230	240	240	240	230	165	170	1VA1	300	230	7
10	160	185	185	185	1VA1	205	145	260	280	300	280	295	285	290	290	285	290	280	275	280	25	85	100	65	14
11	75	155	175	185	1VA1	140	75	1VA1	285	80	60	35	20	20	35	35	30	35	10	20	50	45	30	45	3
12	20	0	135	150	135	140	140	80	345	1VA1	95	105	55	10	40	15	35	35	25	35	35	35	25	25	2
13	70	120	150	140	145	155	140	210	270	325	345	350	1VA1	260	1VA1	260	270	65	1VA1	115	150	145	150	140	7
14	135	130	110	135	125	110	95	105	75	345	310	10	345	240	290	255	225	80	50	105	160	150	150	145	7
15	155	130	135	115	145	125	115	95	100	290	270	295	270	285	280	240	280	295	285	280	270	265	310	155	13
16	140	150	155	140	125	130	155	120	290	320	1VA1	325	345	550	355	320	325	365	35	105	150	145	145	145	7
17	145	150	145	140	145	130	140	90	60	330	275	315	290	310	1VA1	300	285	285	340	100	150	140	150	140	7
18	125	135	140	145	140	120	130	105	290	335	295	275	290	275	295	270	235	210	215	180	140	100	140	135	7
19	130	135	140	125	125	165	130	105	45	340	290	305	295	280	275	285	205	255	235	185	165	125	135	145	7
20	120	110	140	145	145	145	140	80	290	305	20	320	275	230	225	240	195	230	205	155	165	165	155	150	7
21	155	160	160	160	170	160	160	160	170	175	145	160	170	295	225	30	45	75	1VA1	220	1VA1	50	120	1VA1	8
22	140	160	115	150	195	130	150	175	335	290	295	310	0	55	45	40	65	80	85	80	75	65	70	105	8
23	150	135	145	150	140	180	205	295	290	310	305	270	230	260	295	285	300	340	40	105	160	65	160	150	14
24	160	145	150	155	140	160	170	245	275	350	20	355	305	305	350	25	15	350	15	10	50	45	65	85	1
25	80	55	70	1VA1	1VA1	185	260	285	45	65	60	55	65	10	35	5	15	20	30	40	60	50	45	60	3
26	60	155	125	145	150	150	185	265	225	45	60	30	90	85	75	1VA1	105	80	75	75	140	150	150	165	4
27	165	160	155	145	150	135	115	340	295	315	5	1VA1	60	1VA1	320	5	300	250	325	45	155	90	85	170	4
28	150	150	130	120	125	105	100	45	1VA1	245	300	290	245	160	140	220	225	210	140	140	140	160	180	145	7
29	160	140	150	170	75	1VA1	70	350	280	300	330	210	155	160	185	180	185	240	275	335	35	95	115	145	4
30	1VA1	245	335	40	10	250	140	165	315	1VA1	355	355	125	245	325	280	305	280	125	140	160	160	165	160	4
PV	7	7	8	7	7	7	7	5	14	14	14	14	14	13	14	13	14	14	14	3	6	8	8	7	7

WIND DIRECTION (CC1021)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #159

HONAUZA, UTAH

SITE #

APR, 1960

AERODROME JNC.

.....
* FINAL DATA *
* AS OF 02/JUN/61 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SE	SE	SE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
2	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
4	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
5	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
6	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
9	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
12	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
13	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
15	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
19	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
20	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
22	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
26	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL	IVAL
PV	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE

WIND DIRECTION (LOCAL)
 HONARZA, QIAH
 SILL 6
 MAY, 1960
 AERONAUTICAL INC.

WHITE RIVER SHALE PROJECT, #139
 HONARZA, QIAH
 SILL 6
 MAY, 1960
 AERONAUTICAL INC.

WIND DIRECTION (LOCAL)
 LEVEL HEIGHT : 10 METERS

.....
 FINAL DATA
 AS OF 02/JUN/61

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	SE	E	NE	EHE	EHE	EHE	ENE	NE	F	NE	IVA	WSP	W	SSE	SW	N	ESE	SE	SE	S	SE
2	SE	SSE	E	ESE	EHE	E	NE	ENE	W	(VA)	(VA)	SSE	S	S	WSP	W	(VA)	SSE	N	ESE	SE	SE	S	SE
3	SSE	SSE	SE	ESE	SSE	SE	SSE	ENE	WSP	WSP	W	WSP	W	WSP	W	(VA)	ESE	SSE	E	SSE	SE	F	SSE	SSE
4	WSP	(VA)	S	S	SE	SSE	SE	(VA)	W	WSP	W	WSP	W	WSP	W	WSP	NE	E	SE	SE	N	E	SSE	SSE
5	SSE	ENE	W	SSE	SSE	SSE	SE	ENE	W	WSP	W	WSP	W	WSP	W	WSP	NE	E	SE	SSE	S	SSE	SSE	SSE
6	SSE	SE	SSE	SE	SE	ESE	SE	SE	WSP	W	WSP	W	WSP	W	WSP	W	SSE	SSE	S	SSE	S	SSE	SSE	SSE
7	SSE	SSE	SE	ESE	SE	SE	NE	NE	W	WSP	W	WSP	W	WSP	W	(VA)	SSE	SSE	S	SSE	S	SSE	SSE	SSE
8	SE	ESE	ESE	SE	E	ESE	SE	(VA)	(VA)	(VA)	(VA)	EHE	E	IVA	F	(VA)	SW	SW	SW	WSP	W	WSP	SSE	SSE
9	WSP	SE	E	SE	S	SSE	E	ENE	(VA)	SW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SSE	SSE
10	WSP	SE	E	SE	S	SSE	E	ENE	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	N	NNE	N	NNE	N	SSE	SSE
11	NE	SSE	W	W	WSP	W	WSP	(VA)	WSP	WSP	W	S	S	S	S	SSE	W	W	W	W	W	W	SSE	SSE
12	SSE	S	SSE	N	SW	W	SSE	(VA)	WSP	WSP	W	SSE	SE	SE	SSE	S	W	NE	E	F	SSE	F	NE	W
13	E	NE	SE	SE	SE	SE	SSE	SSE	SW	S	SSE	SSE	SW	WSP	WSP	WSP	(VA)	(VA)	E	ESE	E	ENE	ENE	IVA
14	SSE	SSE	SE	SE	SE	SE	E	WSP	WSP	W	WSP	W	WSP	W	WSP	ESE	SSE	S	SSE	SSE	SSE	SW	SSE	SSE
15	SSE	SSE	SE	SE	SE	SE	SSE	SW	WSP	W	WSP	W	IVA	EHE	NE	EHE	F	F	SE	S	SW	SW	SSE	SSE
16	SSE	S	SE	SSE	SSE	SE	ESE	IVA	WSP	W	WSP	W	IVA	WSP	W	WSP	W	W	SSE	S	S	SSE	SSE	SSE
17	S	S	WSP	W	WSP	WSP	WSP	W	W	W	W	WSP	W	WSP	W	WSP	W	W	W	SSE	S	S	SSE	SSE
18	SE	SE	SE	SE	SE	SE	E	ENE	W	W	W	WSP	W	WSP	W	E	ENE	ENE	NE	NE	SE	SE	SSE	SSE
19	SE	SSE	SE	SE	SE	SE	ESE	ENE	WSP	W	W	WSP	W	WSP	W	WSP	W	W	W	SSE	SSE	SSE	SSE	SSE
20	SE	SSE	SE	SE	SE	SE	E	IVA	WSP	W	W	WSP	W	WSP	W	WSP	W	W	W	ESE	E	ENE	ENE	IVA
21	SE	SE	SE	SE	SE	SE	E	IVA	WSP	W	W	WSP	W	WSP	W	WSP	W	W	W	ESE	E	ENE	ENE	IVA
22	SE	SE	SE	SE	SE	SE	E	IVA	WSP	W	W	WSP	W	WSP	W	WSP	W	W	W	ESE	E	ENE	ENE	IVA
23	SW	IVA	SW	S	S	S	(VA)	WSP	(VA)	W	W	WSP	S	S	S	SSE	SSE	SW	F	SSE	SE	SSE	SSE	SSE
24	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SE	S	S	S	S	S
25	SW	SW	SW	(VA)	SSE	S	SSE	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
26	SE	SE	SE	SE	F	F	ENE	ENE	W	WSP	W	SSE	S	S	S	S	SW	W	N	E	SE	SE	SE	SE
27	SE	SE	SE	SE	ESE	ENE	ENE	ENE	S	S	S	SSE	S	S	S	S	SW	SW	S	S	SSE	SE	SE	S
28	SE	SE	SE	SE	SE	SE	SE	E	SSE	S	S	S	S	S	S	S	SW	SW	S	S	SSE	SE	SE	S
29	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	E	S	SSE	SE	SE	SE	WSP	IVA	WSP	W	W	WSP	W	WSP	W	WSP	W	W	W	W	W	W	W	W
31	SE	SE	SE	SE	SE	SE	WSP	WSP	W	WSP	W	WSP	W	WSP	W	WSP	W	W	W	W	W	W	W	W
PV	SSE	SSE	SE	SE	SSE	SE	F	ENE	WSP	WSP	W	W	W	IVA	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION 100:021
 DEGREES
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, M139
 GUMANZA, OIAH
 SIFF 6
 JUN, 1980
 AEROSPIRIMENT INC.

.....
 * FINAL DATA
 * AS OF 02/JUN/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	160	155	150	145	150	140	100	75	0	300	305	265	140	180	210	290	60	65	195	160	150	150	150	155	A	
2	140	130	105	70	130	125	60	55	220	185	210	200	190	185	195	195	195	190	185	190	165	165	160	160	9	
3	160	160	160	145	155	155	160	180	105	170	170	175	175	195	190	180	190	180	190	200	190	160	155	160	9	
4	160	165	160	165	155	160	65	335	195	195	175	190	190	185	205	220	230	215	210	200	170	165	175	170	9	
5	170	155	150	145	145	135	100	15	305	195	195	190	185	190	220	215	210	205	195	185	170	170	160	215	9	
6	210	150	150	155	130	160	200	225	235	235	240	240	240	245	235	240	240	295	300	300	310	300	35	110	11	
7	140	150	150	165	155	190	260	275	325	35	345	350	280	305	295	335	340	325	350	15	105	150	140	145	8	
8	145	155	140	140	145	145	135	60	350	275	320	285	310	315	335	305	310	350	350	20	105	135	145	155	7	
9	195	150	165	145	145	140	110	115	315	270	295	265	285	310	320	55	335	5	5	30	120	145	150	160	7	
10	185	180	135	145	145	140	105	105	35	290	310	330	220	190	180	170	190	195	210	195	195	150	155	155	IVA1	4
11	180	250	IVA1	90	135	130	115	55	20	240	180	180	180	190	185	210	240	220	200	200	170	175	180	190	9	
12	160	245	60	120	150	125	150	200	210	220	205	220	195	200	200	195	200	190	190	205	190	220	175	140	10	
13	150	140	130	130	130	135	80	355	330	280	190	180	190	185	180	195	210	190	210	205	210	160	165	160	9	
14	140	175	170	95	105	110	85	25	240	285	230	240	235	225	230	240	235	225	265	300	290	275	265	IVA1	IVA1	
15	275	60	105	120	145	165	160	105	220	290	300	285	280	290	290	310	305	285	305	305	280	320	75	IVA1	IVA1	
16	155	190	225	140	150	165	205	290	295	60	265	275	285	305	275	290	295	350	330	20	150	150	145	145	IVA1	
17	130	140	150	135	135	145	110	105	245	275	305	270	255	315	295	325	325	325	IVA1	180	155	145	135	145	7	
18	135	120	120	140	130	135	110	105	285	290	290	290	305	IVA1	330	240	225	270	275	250	305	300	IVA1	170	14	
19	155	140	135	150	160	145	150	130	325	345	335	285	270	170	185	195	255	250	280	305	190	155	150	160	A	
20	145	150	145	135	150	150	125	IVA1	555	300	290	290	290	165	210	195	180	180	185	175	170	150	165	140	A	
21	245	170	155	150	145	140	140	110	0	345	325	280	210	225	220	265	270	265	255	205	150	135	175	165	A	
22	140	145	110	150	140	120	335	10	310	280	295	270	IVA1	185	215	230	210	210	165	160	140	130	140	130	7	
23	155	160	170	170	165	155	155	160	170	180	170	180	200	210	215	205	215	210	200	190	170	235	140	145	9	
24	145	145	145	145	135	135	135	20	320	330	280	195	220	200	220	210	220	230	230	210	205	150	150	155	7	
25	170	165	135	130	140	120	110	90	330	320	225	170	165	185	195	195	190	190	190	195	210	160	155	160	9	
26	145	140	135	135	130	140	110	60	275	200	195	190	205	220	215	230	220	205	185	170	175	200	110	110	11	
27	275	275	275	260	255	260	275	280	290	315	305	285	290	300	295	295	300	300	295	290	285	270	105	145	14	
28	160	155	135	140	135	135	135	IVA1	270	IVA1	290	300	280	275	285	295	345	340	340	60	145	120	130	145	7	
29	135	145	145	140	145	135	95	70	5	320	280	285	295	285	270	280	275	285	290	IVA1	170	205	160	150	IVA1	
30	145	190	IVA1	80	145	145	IVA1	IVA1	IVA1	245	275	285	345	330	315	330	330	310	330	335	315	90	225	IVA1	15	
PV	A	8	7	7	7	7	7	6	14	14	14	14	14	9	IVA1	11	11	9	10	9	A	A	A	A	A	

WIND DIRECTION (CC:02)

MUDF RIVER SHALL PROJECT, #139

KOPANZA, UTAH

SITE 6

FINAL DATA

LEVEL HEIGHT : 10 METERS

AS OF 02/JUN/81

JUN, 1980

APPROXIMATE INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SE	SE	SE	E	E	N	WNW	NW	W	SE	S	SSW	WNW	ENE	ENE	SSW	SSE	SSE	SSE	SSE	SSE	SSE
2	SE	SE	ESE	ENE	SE	ENE	E	E	SE	S	SSW	SSW	S	S	S	SSW	SSW	ENE	SSW	SSE	SSE	SSE	SSE	SSE	S
3	SSE	SSE	SSE	ENE	SSE	ENE	ENE	ENE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4	SSE	SSE	SSE	SE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5	S	SSE	SSE	SSE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SSE	SSE	SSE	SSE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	SSE	SSE	SSE	SSE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
8	SE	SSE	SE	SE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
9	SSE	SSE	SSE	SE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
10	SE	S	S	SE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11	S	S	(VA)	E	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	SSE	SSE	ESE	ESE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
13	SSE	SSE	ESE	ESE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
14	SE	S	S	ESE	ESE	ESE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
15	W	ENE	ESE	ESE	SE	SE	E	E	N	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
16	SSE	S	S	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
17	SE	SE	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
18	SE	ESE	ESE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
19	SE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
20	SE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
21	WSW	S	SSE	SSE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
22	SE	SE	ESE	SSE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
23	SSE	SSE	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
24	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
25	S	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
26	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
27	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
28	SSE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
29	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	S
30	SE	SE	S	(VA)	E	SE	SE	(VA)	(VA)	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SSE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SSE

WIND DIRECTION ICC:021
 DEGREES
 LEVEL HEIGHT : 10 METERS

MULTI RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 JUL, 1980
 AEROVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	60	50	115	80	270	20	250	265	275	290	285	260	145	290	290	280	290	180	150	160	175	185	190	130	15
2	120	90	110	350	165	215	240	135	245	150	100	330	135	160	145	345	345	1VA1	130	155	160	155	145	135	7
3	135	125	110	100	1VA1	105	110	95	320	295	280	310	275	260	245	265	195	200	250	220	165	345	40	140	1VA1
4	125	125	75	75	80	70	85	70	35	1VA1	300	245	290	295	255	335	315	305	215	235	170	130	140	125	4
5	115	120	90	120	125	140	120	60	280	285	300	300	295	255	250	255	250	255	255	220	155	160	155	1VA1	12
6	125	145	125	140	140	135	105	65	35	350	300	300	310	305	265	255	235	210	195	185	145	160	160	140	7
7	155	155	150	140	175	165	130	65	300	100	295	1VA1	170	180	165	160	185	180	155	155	150	145	110	170	8
8	175	180	165	240	250	135	150	245	225	240	260	290	180	205	240	260	295	275	175	175	150	150	150	150	8
9	145	155	155	135	135	140	130	10	285	285	305	310	310	1VA1	5	310	50	35	355	40	150	160	120	210	7
10	150	180	160	150	140	145	135	80	355	285	300	310	275	265	220	215	225	265	195	165	175	155	110	145	8
11	120	145	150	150	130	110	130	115	245	300	315	305	305	295	145	150	180	155	165	145	40	140	160	160	7
12	160	145	130	145	75	1VA1	120	190	165	220	270	305	145	185	175	185	275	305	340	165	175	155	180	300	8
13	40	15	165	165	90	165	155	120	195	185	205	320	270	250	285	240	145	1VA1	40	100	135	150	145	165	8
14	60	80	65	135	120	140	130	70	245	285	290	225	220	215	245	245	240	240	240	205	180	200	245	1VA1	11
15	160	155	150	165	150	140	110	1VA1	295	290	290	280	300	300	280	270	285	285	290	305	290	240	250	170	14
16	180	145	145	145	150	140	120	100	305	285	305	320	270	280	270	310	305	1VA1	75	95	145	150	150	150	7
17	160	145	130	140	145	135	110	115	305	305	320	310	290	290	255	240	270	285	300	310	310	110	165	155	7
18	170	210	1VA1	1VA1	120	165	165	285	300	1VA1	290	285	290	285	290	290	260	230	225	195	155	155	45	25	14
19	170	280	85	150	1VA1	115	115	1VA1	310	300	300	240	265	240	255	260	245	315	305	315	305	290	270	120	14
20	145	145	160	155	155	165	285	320	280	290	290	265	280	275	300	315	310	300	5	20	80	145	145	165	14
21	150	150	160	140	140	150	185	310	280	295	15	280	230	260	290	300	305	295	310	5	130	150	145	165	14
22	135	160	140	135	110	125	115	85	5	300	300	285	290	285	305	315	325	280	240	190	140	145	135	130	1VA1
23	170	145	195	130	125	145	135	45	1VA1	245	1VA1	320	325	265	185	225	220	225	205	160	155	155	170	175	4
24	140	135	140	125	130	130	115	65	55	60	290	285	270	315	325	325	310	335	70	90	80	105	130	150	7
25	150	145	155	145	150	140	90	190	10	330	300	294	270	240	240	290	250	155	160	160	155	165	170	145	8
26	140	120	145	155	165	150	145	235	325	240	1VA1	1VA1	200	280	270	300	350	45	75	160	155	140	160	155	7
27	155	150	145	140	140	140	110	105	40	1VA1	1VA1	55	10	350	255	15	0	10	10	30	160	170	160	155	8
28	165	155	160	150	155	160	125	40	310	280	300	345	255	270	280	240	290	310	290	315	150	145	135	125	8
29	125	135	130	145	145	110	85	70	335	305	265	275	160	340	65	295	270	295	1VA1	70	270	160	145	7	
30	210	130	105	155	145	130	105	80	60	300	290	240	285	290	310	315	320	305	290	210	95	165	160	160	14
31	165	150	170	160	135	145	140	70	20	0	40	40	1VA1	310	95	1VA1	285	300	300	240	240	215	160	170	8
PV	8	7	7	7	7	7	6	5	14	14	14	14	14	13	13	12	14	14	14	14	14	14	14	14	8

WIND DIRECTION (C:02)

WHITE RIVER SHALE PROJECT, #139

KONARZA, UTAH

SITE #

LEVEL HEIGHT : 10 FEET

AS OF 02/00ZA

JUL, 1980

AFROTRIMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	ENE	ESE	E	N	ENE	WSW	W	W	WNW	WNW	W	S	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
2	ESE	E	ESE	E	N	ESE	WSW	SE	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
3	SE	SE	ESE	E	N	ESE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
4	SE	SE	ESE	E	N	ESE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
5	ESE	ESE	ESE	E	N	ESE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
6	SE	SE	SE	SE	S	SSE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
7	SSE	SSE	SSE	SSE	S	SSE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
8	S	S	S	S	S	SSE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
9	SE	SE	SE	SE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
10	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
11	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
12	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
13	ENE	ENE	ENE	E	N	ENE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
14	ESE	ESE	ESE	E	N	ESE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
15	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
16	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
17	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
18	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
19	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
20	SE	SE	SE	SE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
21	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
22	SE	SE	SE	SE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
23	S	S	S	S	S	SSE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
24	SE	SE	SE	SE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
25	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
26	SE	SE	SE	SE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
27	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
28	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
29	SE	SE	SE	SE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
30	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
31	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W
PV	SSE	SSE	SSE	SSE	S	SE	WSW	E	W	WNW	WNW	W	W	WNW	WNW	W	WNW	S	SSE	SSW	S	S	S	SE	W

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTM
 SITE 6
 AUG, 1980
 AEROVIRONMENT INC.

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CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	170	160	155	150	145	135	115	75	50	45	300	285	285	315	305	225	255	180	210	45	95	180	180	145	9	
2	145	135	120	135	155	160	135	145	255	270	300	285	270	260	285	285	265	260	300	315	290	1VA1	195	170	14	
3	160	150	165	135	145	150	100	30	345	245	305	285	280	280	280	300	305	300	310	340	300	290	270	240	14	
4	180	135	165	145	140	135	125	95	0	285	275	275	290	290	275	265	270	285	290	265	290	265	170	165	13	
5	155	140	120	135	140	140	140	230	320	260	245	275	290	305	295	245	250	260	235	225	170	150	170	310	7	
6	40	15	200	150	150	135	145	80	355	295	300	310	245	235	230	230	235	235	245	220	170	160	165	270	11	
7	140	150	150	190	145	135	140	90	355	305	310	275	300	305	300	350	335	330	215	115	160	155	130	150	7	
8	165	165	200	170	155	150	140	195	275	325	295	270	245	290	260	230	260	205	260	215	160	155	270	90	13	
9	155	165	190	170	145	135	100	180	220	255	280	285	290	270	265	270	245	300	335	120	165	155	155	155	1VA1	
10	155	150	160	150	155	140	150	175	70	275	295	295	285	295	290	290	280	300	305	305	315	105	155	150	14	
11	170	150	160	150	150	155	150	160	290	310	295	295	300	340	270	290	255	340	30	145	160	155	150	155	8	
12	135	135	140	130	95	135	115	80	65	210	265	290	295	280	305	140	1VA1	125	130	130	145	160	155	150	7	
13	265	85	130	130	105	125	130	40	1VA1	295	300	295	300	295	185	215	0	60	130	305	100	165	205	145	7	
14	130	140	150	1VA1	150	150	150	150	305	305	285	310	285	275	170	170	190	230	240	255	205	145	45	1VA1	A	
15	315	210	175	205	195	170	165	1VA1	105	1VA1	285	1VA1	135	165	250	305	305	155	160	170	140	145	150	140	A	
16	145	140	135	140	155	125	135	135	65	295	290	280	290	260	295	290	340	10	35	65	80	115	100	7		
17	135	150	155	160	155	145	140	125	290	340	300	275	270	280	175	175	235	335	270	230	160	160	160	165	4	
18	140	175	155	140	135	135	130	85	50	275	225	205	185	190	215	195	205	200	200	190	170	165	155	155	9	
20	140	150	155	165	165	165	165	195	210	230	230	225	255	295	300	310	285	290	265	235	270	310	310	295	14	
21	145	135	135	140	145	140	140	105	350	290	280	320	290	290	275	260	70	105	35	70	130	180	130	145	8	
22	135	130	135	150	150	145	135	120	1VA1	60	15	170	235	225	190	205	215	215	215	205	170	155	160	215	7	
23	155	185	1VA1	140	180	325	25	65	210	225	270	255	165	155	150	270	1VA1	185	150	145	140	155	170	170	A	
24	175	40	60	95	160	90	150	1VA1	140	260	270	285	290	285	220	180	180	145	210	0	185	155	170	165	9	
25	10	140	150	155	120	115	130	105	85	85	1VA1	255	215	0	325	320	125	160	205	175	150	160	155	135	7	
26	150	165	170	150	155	145	125	130	85	100	95	265	60	305	280	285	275	170	215	100	50	135	160	150	A	
27	140	150	145	150	150	145	145	125	25	290	245	305	240	215	220	215	160	170	135	125	30	45	30	45	A	
28	135	150	45	150	130	130	125	70	54	345	260	260	290	220	235	220	215	160	170	135	125	30	45	30	45	A
29	175	205	210	200	275	130	45	5	310	290	220	235	210	185	195	200	175	180	165	155	155	250	260	270	10	
30	300	1VA1	130	135	120	90	55	50	15	1VA1	95	310	245	290	245	265	275	260	295	295	305	1VA1	175	140	14	
31	140	165	145	150	145	150	160	145	95	290	300	315	300	305	305	290	320	330	320	340	70	100	145	150	7	
PV	A	B	A	A	7	7	7	1VA1	1	14	14	14	14	14	14	14	13	14	14	14	14	A	A	A	A	A

WHITE BLUFF SHALE PROJECT, #139
 HONANZA, UTAH
 SILE
 AUG, 1980
 AKRUP/MONUMENT INC.

MIND DIRECTION 135021
 LEVEL HEIGHT 130 METERS

 * FINAL DATA *
 * AS OF 02/JUN/81 *

LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PHEV
1	S	SSE	SSE	SSE	SE	SE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	S
2	SE	SE	ESE	SE	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
3	SSE	SSE	SSE	SE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
4	S	SE	SSE	SE	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
5	SSE	SE	ESE	SE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
6	ENE	ENE	SSE	SSE	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
7	SE	SSE	SSE	S	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
8	SSE	SSE	SSE	S	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
10	SSE	SSE	SSE	SSE	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
11	S	SSE	SSE	SSE	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
12	SE	SE	SE	SE	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
13	SE	SE	SSE	(VA)	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
14	SE	SE	SSE	(VA)	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
15	ENE	ENE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
16	SE	SE	SE	SE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
17	SE	SE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
18	SE	S	SSE	SE	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
19	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
20	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
21	SE	SE	SE	SE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
22	SE	SE	SE	SE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
23	SSE	S	(VA)	S	SSE	SSE	SE	SE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
24	S	ENE	ESE	E	SSE	E	SSE	(VA)	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	N	SE	SSE	SSE	ESE	ESE	SE	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
26	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
27	SE	SSE	SE	SSE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
28	SE	SSE	E	SSE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
29	S	SSE	SSE	SSE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
30	ENE	(VA)	SE	SE	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE
31	SE	SSE	SE	SSE	SE	SSE	SE	SE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE
PV	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SE

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, MTAH
 SITE 6
 SEP, 1980
 AFROVIRONMENT INC.

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CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	165	150	140	150	160	145	145	120	210	350	295	(VA)	285	290	290	280	315	355	65	100	190	140	160	150	7	
2	145	150	145	130	125	145	135	120	55	345	300	285	280	275	235	245	245	240	220	170	155	185	(VA)	340	7	
3	130	(VA)	265	65	155	150	145	140	310	290	250	305	250	295	295	285	295	290	295	295	185	155	165	150	14	
4	150	150	145	145	135	140	145	145	75	260	300	265	250	280	295	305	280	255	340	135	140	145	150	150	7	
5	150	140	150	150	145	135	145	135	(VA)	305	330	355	315	295	325	315	320	310	350	100	155	150	165	115	A	
6	125	155	160	140	125	135	110	(VA)	200	225	265	280	270	205	215	285	290	330	345	185	160	155	155	160	A	
7	180	175	170	140	150	150	145	130	275	280	280	105	150	355	5	355	(VA)	130	210	135	150	130	140	155	A	
8	270	(VA)	160	165	160	160	70	270	285	270	280	235	195	125	145	(VA)	275	15	20	265	(VA)	130	150	155	A	
9	150	145	185	180	260	(VA)	185	180	135	110	100	70	45	45	45	50	15	305	280	275	270	280	265	1		
10	265	220	15	0	345	305	205	90	330	55	285	275	225	230	155	(VA)	135	60	230	230	190	145	165	200	11	
11	175	150	155	140	135	125	115	20	280	200	220	235	235	240	235	240	270	265	290	250	210	175	170	170	11	
12	155	155	170	165	115	115	100	115	95	275	295	330	295	290	295	245	140	150	325	115	135	155	180	155	A	
13	155	155	160	175	135	145	140	140	(VA)	330	(VA)	190	195	185	190	195	210	200	195	160	160	155	155	155	A	
14	160	145	150	135	120	115	130	115	110	225	180	280	280	300	300	305	300	315	20	160	135	155	145	130	7	
15	140	135	140	135	145	145	155	80	340	335	270	285	290	285	260	270	255	230	215	205	170	210	130	135	7	
16	150	135	(VA)	125	155	180	165	125	10	280	290	280	285	280	275	270	275	285	280	275	270	245	200	145	13	
17	170	165	145	150	145	140	160	145	95	(VA)	260	275	260	255	265	275	220	285	265	155	155	165	165	160	A	
18	150	140	145	115	125	135	135	110	75	10	295	(VA)	285	265	195	195	200	185	180	175	175	185	190	185	9	
19	175	180	165	190	190	185	185	185	195	215	220	240	240	235	230	265	320	295	(VA)	315	355	5	260	55	9	
20	100	310	75	145	150	145	130	135	80	330	300	340	305	265	285	290	295	245	245	200	160	145	155	140	7	
21	130	140	135	135	135	110	150	(VA)	40	290	295	290	290	285	295	290	270	295	315	320	320	110	150	175	14	
22	165	225	(VA)	215	180	140	210	245	295	355	30	450	265	245	295	280	310	315	20	140	150	155	145	145	A	
23	150	140	145	135	125	110	120	120	45	300	280	265	265	280	285	260	340	5	35	135	150	160	115	155	7	
24	170	145	145	165	145	130	135	105	80	90	280	280	275	285	285	290	290	55	95	145	150	140	145	145	7	
25	145	140	150	170	150	160	175	200	285	295	300	275	275	295	265	285	300	310	335	145	145	145	145	145	(VA)	
26	150	145	140	140	130	115	145	130	35	300	300	275	240	290	280	280	335	5	90	145	145	140	150	145	7	
27	145	135	140	130	125	120	85	130	(VA)	315	335	315	295	265	280	315	345	325	105	145	150	150	145	135	7	
28	145	145	145	125	110	110	140	90	105	290	320	285	290	305	295	275	260	210	165	165	160	170	165	160	7	
29	155	155	145	145	115	150	135	100	45	0	305	300	280	270	265	330	310	330	55	135	155	150	145	150	7	
30	135	145	135	125	125	145	135	110	110	0	335	285	270	270	270	270	345	355	330	100	165	145	155	155	150	7
PV	a	a	a	a	7	7	7	6	5	14	14	13	14	13	14	14	14	14	14	14	14	14	14	14	14	A

WIND DIRECTION (CC:02)

WHITE RIVER SALT PROJECT, #134

HONANZA, UTAH

SITE 6

LEVEL MOUNT : 10 METERS

SEP, 1980

AERONAUTIC INC.

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* F I J A L D A T A *
* A S O F 0 2 / J U N / 8 1 *
*

LOCAL STANDARD TIME

DATE	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	SSE	SSE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
2	SE	SE	SE	SE	SE	SE	ESE	NE	NW	NW	WNW	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
3	SE	SE	SE	SE	SE	SE	ESE	NE	NW	NW	WNW	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
4	SSE	SSE	SE	SSE	SSE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
5	SSE	SSE	SE	SSE	SSE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
6	SE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
7	S	S	S	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
8	IVAI	SSE	SSE	SSE	SSE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
9	SSE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
10	W	S	S	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
11	S	S	S	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
12	SSE	SSE	S	SSE	SSE	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
13	SSE	SSE	SSE	SSE	SSE	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
14	SSE	SSE	SSE	SSE	SSE	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
15	SE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
16	SSE	SSE	SE	SSE	SSE	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
17	S	S	S	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
18	SSE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
19	S	S	S	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
20	E	ENE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
21	SE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
22	SSE	SSE	IVAI	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
23	SSE	SSE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
24	S	S	S	S	S	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
25	SE	SSE	S	SSE	SSE	S	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
26	SSE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
27	SE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
28	SE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
29	SSE	SSE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
30	SE	SE	SE	SE	SE	SE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SF
PV	SSE	SSE	SSE	SSE	SSE	SSE	ESE	SSW	N	WNW	IVAI	WNW	WNW	WNW	W	WSW	WSW	W	ENE	E	SE	SE	SSE	SSE	SSE

WTRD DIRECTION ICC:021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE PTVEN SHALE P(00JFC1, #139
 BOMANZA, UTAH
 SITE 6
 OCT, 1980
 AFROVINCUMENT INC.

.....
 * FINAL DATA *
 * AS OF 02/JUN/81 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	140	140	120	100	130	125	95	90	75	20	275	300	315	180	290	255	305	35	115	125	160	165	120	350	6
2	135	105	150	315	155	125	105	90	90	60	55	45	85	355	85	1VA1	165	20	100	150	150	145	150	150	A
3	145	140	120	115	140	125	115	145	80	300	310	305	310	340	295	270	180	125	125	145	150	165	150	155	7
4	145	140	125	140	120	90	125	135	90	300	310	290	285	280	290	325	215	135	150	145	140	145	155	145	7
5	135	140	140	135	120	120	130	100	85	1VA1	290	265	305	215	270	305	295	1VA1	145	145	155	150	150	150	7
6	170	145	150	155	140	145	140	115	15	20	310	325	315	325	335	260	240	255	165	145	150	145	140	140	7
7	140	130	120	130	130	135	105	135	110	325	310	300	285	290	290	315	295	305	125	145	150	150	145	145	7
8	140	140	130	130	135	110	125	100	110	1VA1	295	300	300	270	290	1VA1	125	35	120	155	145	160	150	145	7
9	145	145	200	105	110	130	120	60	275	300	285	255	290	315	320	310	290	140	140	150	140	150	150	150	7
10	145	145	135	145	140	115	140	130	100	1VA1	0	55	45	60	355	1VA1	295	320	295	1VA1	135	155	160	150	8
11	30	5	65	75	120	90	105	35	1VA1	245	275	195	285	270	190	160	130	155	170	1VA1	255	265	165	170	1VA1
12	130	230	270	35	110	55	60	65	60	290	295	260	295	280	1VA1	140	120	135	160	210	295	325	205	155	14
13	140	145	140	145	190	145	165	170	150	15	70	295	60	55	90	35	60	150	150	250	305	60	225	125	14
14	140	110	160	55	135	185	180	125	85	165	150	155	150	195	145	165	145	160	115	60	60	35	60	0	A
15	310	355	195	270	265	255	325	45	60	75	70	50	20	25	25	5	240	215	255	240	265	265	270	275	12
16	285	305	25	160	160	165	185	175	220	265	270	270	275	295	1VA1	285	1VA1	1VA1	275	1VA1	260	1VA1	1VA1	1VA1	14
17	1VA1	175	190	165	150	170	160	170	180	105	1VA1	275	270	300	1VA1	1VA1	270	125	125	155	155	145	145	145	A
18	135	110	120	130	130	130	125	85	310	245	285	295	315	295	300	290	315	110	145	155	155	140	145	135	7
19	145	135	140	135	120	120	145	140	115	35	305	250	275	315	275	300	1VA1	0	120	150	135	125	130	140	7
20	135	140	125	130	150	110	95	145	115	80	380	290	240	245	285	270	230	20	140	140	130	145	185	170	7
21	150	140	95	130	125	125	1VA1	205	260	275	265	265	270	280	280	285	285	285	320	330	355	345	70	50	13
22	115	145	145	135	35	70	30	290	85	75	50	50	5	1VA1	1VA1	1VA1	310	0	95	145	155	150	145	135	7
23	135	130	125	145	140	95	125	145	135	1VA1	350	0	335	280	270	305	300	280	200	150	155	150	155	150	7
24	150	140	140	130	140	150	130	120	90	290	275	295	305	280	325	305	80	130	145	140	150	145	125	130	7
25	120	145	140	125	80	100	1VA1	120	80	1VA1	315	1VA1	290	275	270	280	200	65	65	305	235	275	145	145	7
26	125	150	155	155	160	190	185	140	15	50	70	70	65	60	55	55	55	50	55	55	25	30	350	10	3
27	75	130	195	1VA1	140	135	210	1VA1	120	275	310	315	15	40	355	5	75	115	155	150	145	140	145	145	7
28	130	125	115	95	125	90	125	105	75	325	5	290	265	255	290	330	305	305	110	150	150	145	140	140	7
29	115	145	110	120	135	130	130	110	145	295	320	300	300	260	1VA1	270	280	325	185	155	145	145	150	145	7
30	140	140	85	130	140	145	135	120	75	1VA1	275	290	300	285	300	325	300	190	140	145	145	150	150	150	7
31	7	7	7	7	7	6	7	6	5	14	14	14	14	14	14	14	14	14	7	7	7	8	8	7	7

WIND DIRECTION (CC:02)

WHITE PIVOT SHAFT PROJECT, #139
HUPANZA, UTAH
SITE 6

LEVEL HEIGHT : 10 METERS

.....
* FJVAL DATA *
* AS OF 02/JUN/81 *
*

OCT, 1980

ALBUQUERQUE INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SE	ESE	E	ESE	SE	E	ESE	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
2	SE	ESE	ESE	NE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
3	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
4	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
5	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
6	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
7	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
8	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
9	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
10	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
11	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
12	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
13	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
14	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
15	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
16	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
17	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
18	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
19	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
20	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
21	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
22	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
23	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
24	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
25	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
26	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
27	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
28	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
29	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
30	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
31	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE
PV	SE	ESE	ESE	ESE	E	ESE	ESE	E	ESE	ESE	W	WNW	NW	S	WNW	WSW	NW	NE	ESE	SE	SSE	S	ESE	N	ESE

WIND DIRECTION [CC:02]
 DEGREES
 LEVEL HEIGHT 1 10 FEETERS

WHITE RIVER SHALF PROJECT, #139
 BOMANZA, UTAH
 SITE 6
 NOV, 1980
 AEROD(RUNNEN) INC.

.....
 * FJNAL DATA *
 * AS OF 02/JUN/81 *
 *

CLOCK HOUR (LOCAL STANDARD) TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	135	145	140	130	105	155	135	95	35	305	310	305	260	240	235	240	90	140	150	140	160	130	105	7
2	135	145	145	135	125	50	95	85	110	215	240	(VA)	345	45	265	270	330	350	120	150	140	130	140	145	7
3	105	110	115	125	120	110	85	100	95	50	(VA)	220	290	285	235	245	310	320	120	160	155	160	150	150	6
4	155	140	135	125	90	110	110	100	70	340	295	280	275	240	305	20	310	35	125	150	155	150	135	140	7
5	140	145	140	115	125	105	140	120	115	30	315	330	290	295	295	295	265	230	150	145	150	150	150	150	7
6	150	135	145	140	105	65	120	110	85	(VA)	245	310	325	280	255	(VA)	250	230	160	230	(VA)	160	160	160	7
7	(VA)	(VA)	80	135	90	115	80	100	145	10	280	320	260	275	240	230	225	170	170	160	90	35	75	(VA)	5
8	295	255	240	230	230	240	225	220	225	275	295	300	245	290	290	295	295	260	190	160	170	160	145	145	14
9	120	130	115	140	145	115	140	140	100	(VA)	345	310	270	265	275	245	230	115	140	130	135	135	135	125	7
10	135	135	140	130	140	110	125	125	115	(VA)	275	300	265	270	260	240	275	155	140	140	140	140	140	130	7
11	115	130	120	60	90	105	130	135	90	310	340	345	275	275	240	165	275	150	200	170	200	220	(VA)	141	7
12	305	90	145	150	140	190	180	165	95	50	200	190	190	210	235	170	170	275	290	50	135	165	210	75	4
13	140	100	170	65	65	75	80	90	70	75	65	85	80	85	65	70	80	65	60	75	80	85	80	80	5
14	80	85	100	95	105	100	90	85	95	85	85	60	50	70	25	95	45	45	60	85	95	195	145	135	4
15	140	155	155	155	140	150	145	145	145	240	280	310	305	345	45	50	60	70	30	35	35	100	70	85	7
16	75	95	(VA)	195	145	145	140	240	265	240	55	95	80	235	(VA)	260	305	340	105	125	150	160	200	330	7
17	240	145	155	170	155	160	150	125	125	110	(VA)	290	295	265	225	235	105	35	135	150	150	155	135	145	7
18	135	130	145	150	145	105	130	145	130	25	280	270	275	270	325	245	330	60	150	145	150	155	145	145	7
19	145	150	145	140	115	100	150	100	120	(VA)	280	290	295	300	260	260	265	15	115	155	165	150	150	150	8
20	155	110	140	135	105	110	115	115	135	(VA)	310	295	270	305	315	270	270	75	145	150	140	135	125	130	7
21	130	110	140	90	140	115	75	105	155	250	240	290	280	275	270	260	310	155	150	145	125	120	85	130	7
22	125	55	10	75	(VA)	85	35	345	150	90	50	5	350	15	305	(VA)	150	155	145	135	150	155	155	150	8
23	135	135	145	140	150	140	150	145	135	(VA)	295	300	290	335	310	320	0	0	155	220	170	(VA)	345	355	7
24	210	330	325	30	345	315	310	275	270	275	275	(VA)	270	255	145	250	340	50	50	(VA)	(VA)	65	150	(VA)	13
25	(VA)	160	155	(VA)	160	(VA)	190	(VA)	135	(VA)	280	265	270	285	255	270	190	165	140	150	140	165	90	35	8
26	170	145	155	145	150	155	160	150	125	(VA)	235	240	240	270	265	245	205	125	150	155	150	150	150	140	4
27	115	115	130	100	100	140	115	150	145	(VA)	290	300	5	15	315	225	275	255	270	195	130	140	140	140	6
28	145	140	135	135	100	110	130	105	190	(VA)	300	275	280	270	275	275	235	235	130	145	(VA)	135	140	135	7
29	145	155	105	135	125	145	110	120	45	240	270	305	250	270	300	240	125	85	125	150	145	70	125	145	7
30	135	145	145	95	20	65	25	60	15	240	305	320	275	300	50	240	235	250	200	60	305	230	205	260	13

WIND DIRECTION (CC10?)
 WHITE RIVER SHALF PROJECT, #139
 HONANZA, UTAH
 SITE #
 NOV, 1980
 AEROSURVEILLANCE INC.

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 * FINAL DATA
 * AS OF 02/JUN/81
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LEVEL HEIGHT : 10 METERS

CLICK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SE	SE	ESE	ESE	SSE	SE	E	NE	HW	NW	NW	W	WSW	SW	W	E	SE	SSE	SF	SSE	SF	ESE	SE
2	SE	SE	SE	SE	ESE	ESE	E	ESE	ESE	SW	WSW (VA)	NW (VA)	NW	W	WSW	SW	W	ESE	ESE	SSE	SF	SSE	SF	ESE	SE
3	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	NE (VA)	SW (VA)	SW	WNW	WNW	SW	WNW	NW	NE	ESE	SSE	SF	SSE	SF	ESE	SE
4	SSE	SE	SE	SE	ESE	ESE	E	E	E	NW	WNW	W	W	NW	NW	NW	NW	NE	SE	SSE	SF	SSE	SF	ESE	SE
5	SE	SE	SE	SE	ESE	ESE	E	ESE	ESE	NW	NW	NW	NW	W	NW	NW	W	SW	SSE	SSE	SF	SSE	SF	ESE	SE
6	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	E	(VA)	WNW	NW	NW	W	WSW (VA)	WSW (VA)	WSW	SW	SSE	SSE	SF	SSE	SF	ESE	SE
7	(VA)	(VA)	E	SE	ESE	ESE	E	E	E	N	W	NW	W	W	WSW	SW	SW	S	SSE	E	NE	ESE	(VA)	E	SE
8	NW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW	WNW	WNW	W	WSW	WSW	WNW	W	SSE	SSE	S	SSE	SF	ESE	SE
9	ESE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WNW	NW	W	W	WSW	WSW	WNW	W	ESE	SE	SSE	SF	ESE	SE	SE
10	SE	SE	SE	SE	ESE	ESE	SE	SE	ESE	(VA)	WNW	WNW	W	W	WSW	WSW	W	SSE	SE	SSE	SF	SSE	SF	ESE	SE
11	ESE	SE	ESE	ESE	ESE	ESE	SE	SE	ESE	NW	NW	NW	W	W	WSW	WSW	W	SSE	SSW	SSW	SSW	SSW	(VA)	(VA)	SF
12	NW	E	E	E	ESE	ESE	S	SSE	F	NE	SSW	S	S	S	ESE	ESE	E	ENE	ENE	ENE	E	E	E	E	S
13	SE	E	E	E	ESE	ESE	E	E	E	ENE	ENE	E	E	E	ESE	ESE	E	ENE	ENE	ENE	E	E	E	E	E
14	E	E	E	E	ESE	ESE	E	E	E	E	ENE	ENE	E	E	ESE	ESE	E	ENE	ENE	ENE	E	E	E	E	E
15	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	W	W	NW	NW	NW	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E
16	ENE	E	(VA)	SSE	SSE	SSE	SE	SE	SE	W	W	W	W	W	(VA)	W	NW	ENE	ENE	ENE	E	E	E	E	E
17	WSW	SF	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	WNW	WNW	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
18	SF	SE	SE	SE	ESE	ESE	SE	SE	SE	NW	W	W	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
19	SF	SSE	SE	SE	ESE	ESE	SSE	E	ESE	(VA)	W	WNW	WNW	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
20	SSE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
21	SE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	WSW	WNW	W	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
22	SE	SE	SE	SE	ESE	ESE	ENE	ENE	ENE	(VA)	W	W	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
23	SE	SE	SE	SE	ESE	ESE	ENE	ENE	ENE	(VA)	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
24	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
25	(VA)	SSE	SSE	SSE	SSE	SSE	(VA)	S	(VA)	W	W	W	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
26	S	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	(VA)	SW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
27	ESE	ESE	SE	E	ESE	ESE	ESE	ESE	ESE	(VA)	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
28	SE	SE	SE	E	ESE	ESE	SE	SE	SE	(VA)	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
29	SE	SSE	ESE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
30	SE	SE	SE	E	ESE	ESE	ESE	ESE	ESE	W	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E
PV	SE	SE	SE	SE	ESE	ESE	SE	SE	SE	W	WNW	WNW	W	W	WSW	WSW	W	ENE	ENE	ENE	E	E	E	E	E

WIND DIRECTION (CC:021)

DEGREES

LEVEL HEIGHT : 10 METERS

WHILE RIVER SHALE PROJECT, #159
HONANZA, UTAH
SITE 6

DEC, 1980

AEKOVIRNEMENT INC.

.....
* FINAL DATA *
* AS OF 02/JUN/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	260	275	295	60	145	160	205	240	110	270	(VAI) 275	275	245	235	215	225	225	1VA1	140	150	140	135	135	105	7
2	110	140	130	60	180	155	85	135	(VAI) 245	(VAI) 270	265	275	245	250	270	270	270	135	115	125	110	185	325	7	
3	55	(VAI) 135	75	90	160	160	(VAI) 260	245	(VAI) 240	(VAI) 240	(VAI) 200	205	205	305	275	200	200	185	210	195	200	170	105	100	10
4	125	120	125	70	125	345	55	200	200	200	1081	200	205	210	215	200	255	150	185	185	195	160	10	10	10
5	185	175	170	(VAI) 95	150	90	(VAI) 25	355	335	365	285	295	185	250	290	265	300	70	145	130	115	(VAI) 14	14	14	14
6	145	50	(VAI) 115	155	240	145	275	275	285	(VAI) 150	120	350	350	55	105	185	155	315	275	(VAI) 80	95	6	6	6	6
7	170	240	255	175	275	85	40	35	75	55	0	45	5	35	55	(VAI) 15	65	65	90	60	50	90	90	3	3
8	105	85	70	25	(VAI) 15	325	60	115	15	25	75	295	315	315	295	255	215	150	155	150	165	145	135	8	8
9	140	140	105	140	45	170	260	355	275	265	270	280	280	255	250	240	150	140	150	140	115	140	145	7	7
10	130	130	125	150	135	145	140	100	125	115	40	345	335	280	270	290	340	20	130	145	155	140	145	7	7
11	135	75	100	140	140	145	165	140	180	250	275	270	260	275	270	255	220	145	140	155	140	145	145	7	7
12	140	140	150	130	140	120	135	135	95	60	300	275	340	290	260	265	285	65	150	150	135	150	140	145	7
13	145	140	125	125	130	110	130	115	130	110	275	275	290	300	285	275	310	95	145	150	150	145	140	145	7
14	150	145	130	125	100	140	150	95	75	125	(VAI) 65	275	275	275	315	315	170	150	150	150	135	140	135	8	8
15	135	140	75	85	130	70	130	120	90	100	315	260	270	255	335	35	1VA1	240	275	150	150	115	100	7	7
16	145	135	130	110	130	130	205	75	110	120	305	290	270	260	260	265	265	215	145	140	150	150	130	7	7
17	120	150	110	105	120	135	145	95	130	105	235	305	340	275	260	260	255	240	140	130	145	170	145	115	7
18	145	110	140	130	135	105	125	110	100	145	310	295	270	270	270	265	260	260	145	150	125	135	145	145	7
19	145	150	145	150	140	140	135	145	145	195	275	350	335	280	270	260	255	60	135	150	135	130	150	145	7
20	145	130	145	135	125	135	120	90	125	135	350	(VAI) 270	270	300	270	270	275	180	145	145	150	140	145	7	7
21	145	140	120	135	140	110	75	115	90	65	290	265	255	275	265	270	265	75	145	135	65	125	350	85	7
22	25	140	90	110	110	45	25	110	45	70	25	30	(VAI) 205	275	220	180	220	75	40	115	155	250	195	2	2
23	100	120	140	155	205	175	135	125	90	180	225	260	265	245	290	255	1VA1	120	150	145	160	155	120	140	7
24	145	135	115	110	105	135	100	130	130	85	285	300	270	270	265	265	265	230	150	145	155	110	95	135	7
25	140	180	95	135	135	130	125	90	105	70	55	255	270	265	260	245	285	160	145	175	125	135	100	110	7
26	115	135	85	105	(VAI) 150	140	125	145	110	320	310	310	240	320	295	340	325	140	145	145	155	150	145	150	7
27	150	130	145	145	120	125	145	140	135	115	335	45	295	325	295	245	265	315	115	135	140	145	140	155	7
28	135	110	150	85	90	60	65	130	165	110	250	315	270	265	265	265	1VA1	155	150	140	150	140	150	140	8
29	140	150	145	135	135	130	130	105	90	(VAI) 300	275	295	300	255	270	270	145	145	150	145	130	145	145	7	7
30	105	140	145	135	140	140	130	150	130	80	(VAI) 325	295	280	265	260	260	0	140	145	145	150	130	150	7	7
31	155	140	135	135	140	145	100	120	125	(VAI) 335	290	275	270	270	265	270	315	135	155	155	155	150	160	7	7
PV	7	7	6	7	6	7	7	6	6	5	(VAI) 14	13	13	14	13	13	13	11	7	8	8	7	7	7	7

WIND DIRECTION (CC:02)

WHITE RIVER SHALF PROJECT, #139

BONANZA, UTAH
SITE

LEVEL HEIGHT : 10 METERS

* FRIAL DATA *
* AS OF 02/JUN/81 *

DFC, 1980

AFRUVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
2	ESE	SE	SE	ENE	S	SSE	SSW	WSW	ESE	W	(VA)	W	W	WSW	WSW	W	SW	(VA)	SE	SSE	SE	SE	SE	ESE	SE
3	NE	(VA)	SE	ENE	E	SSE	(VA)	W	WSW	(VA)	W	W	WSW	WSW	W	WSW	W	S	SE	SSW	SSW	S	ESE	E	SSW
4	SE	ESE	SE	ENE	SE	NNW	NE	SSW	SSW	(OS)	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSE	SSW
5	S	S	S	(VA)	E	SSE	(VA)	NNE	N	NNW	W	WSW	WSW	S	WSW	WSW	W	W	ENE	ENL	SE	SE	ESE	(VA)	NNW
6	SE	NE	(VA)	ESE	SSE	WSW	SE	W	W	NNW	(VA)	SSE	ESE	W	NE	ENE	ESE	S	SSE	NN	SW	(VA)	E	E	ESE
7	S	WSW	WSW	S	W	E	E	ENE	ENE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	ESE	E	ENE	NNE	(VA)	NNE	NN	ENE	ESE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
9	SE	SE	ESE	SE	NE	S	W	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SE	SE	SE	SSE	SE	SE	SE	E	SE	ESE	NE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
11	SE	ENE	E	SE	SE	SE	SE	SE	SE	S	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
12	SE	SE	SSE	SE	SE	ESE	SE	SE	E	ENE	NNW	W	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W
13	SE	SE	SE	SE	SE	ESE	SE	ESE	SE	ESE	W	W	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W
14	SSE	SE	SE	SE	E	SE	SSE	E	E	SE	(VA)	FNE	W	W	W	W	W	W	W	W	W	W	W	W	W
15	SE	SE	E	E	E	E	E	E	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SE	SE	SE	ESE	SE	SE	SSW	ENE	ESE	ENE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	ESE	SSE	ESE	FSE	ESE	SE	SE	E	SE	ESE	SW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SE	ESE	SE	SE	SE	FSE	SE	ESE	E	SE	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	SE	SSE	SE	SSE	SE	SE	SE	SE	SE	SSW	W	N	NNW	W	W	W	W	W	W	W	W	W	W	W	W
20	SE	SE	SE	SE	SE	SE	ESE	E	SE	SE	N	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SE	SE	ESE	SE	SE	ESE	FNE	E	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	NNW	SE	E	ESE	ESE	NE	NNE	ESE	NE	ENE	NNE	(VA)	SSW	NN	SW	S	W	FNE	NE	ENE	SE	SE	SE	SE	SE
23	E	ESE	SE	SSE	SSW	S	SE	SE	SE	S	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	SE	SE	ESE	ESE	FSE	SE	E	SE	SE	F	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
25	SE	S	E	SE	SE	SE	E	ESE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	ESE	SE	E	ESE	(VA)	SSE	SE	SE	ESE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SSE	SE	SE	SE	ESE	SE	SE	SE	SE	ESE	NNW	NE	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W
28	SE	ESE	SSE	E	E	FNE	FNE	SE	SSE	ESE	WSW	N	W	W	W	W	W	W	W	W	W	W	W	W	W
29	SE	SSE	SE	SE	SE	SE	SE	ESE	ESE	F	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ESE	SE	SE	SE	SE	SE	SE	SSE	SE	E	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W
31	SSE	SE	SE	SE	SE	SE	F	ESE	SE	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	SE	SE	ESE	SE	ESE	SE	SE	ESE	F	(VA)	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN, 1980
 AEROENVIRONMENT INC.

WIND DIRECTION 1CC1161
 DEGREES
 LEVEL HEIGHT : 20 METERS

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 *
 * FINAL DATA
 * AS OF 31/MAR/81
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 *.....

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	155	145	10	120	170	160	155	155	220	85	170	310	325	265	260	270	255	250	180	215	255	165	215	180	8	
2	300	165	280	195	280	285	325	350	345	20	340	285	255	315	0	315	275	320	280	270	280	280	250	85	13	
3	355	290	1VA1	160	170	165	170	165	175	295	310	315	310	270	265	275	275	270	270	300	310	350	305	305	13 (VA)	
4	250	315	205	195	250	280	315	275	290	270	320	105	320	295	255	285	275	265	300	300	310	350	0	13		
5	350	45	30	200	180	165	155	140	105	180	170	200	290	0	280	275	45	5	320	300	225	1VA1	180	170	9	
6	85	35	10	330	55	55	60	140	165	195	235	275	315	40	50	60	70	70	85	125	155	160	225	130	7	
7	140	85	60	35	125	135	235	340	20	75	120	350	1VA1	275	325	25	125	155	150	155	150	105	95	60	7	
8	75	105	40	350	20	45	60	110	160	290	295	280	285	180	(VA)	175	130	50	180	215	240	210	250	205	9	
9	165	105	145	130	130	155	120	155	180	170	175	175	180	185	195	190	200	210	190	195	180	170	195	190	9	
10	180	190	185	185	190	180	180	190	190	190	190	200	205	265	265	275	275	275	275	275	265	275	285	150	9	
11	170	150	140	145	145	140	105	205	145	225	345	320	1VA1	140	305	265	30	(VA)	200	270	315	345	345	7		
12	255	230	(VA)	255	155	280	295	245	270	260	340	290	285	330	345	290	215	10	(VA)	160	150	(VA)	160	160	14	
13	20	315	125	140	165	(VA)	60	85	(VA)	1VA1	295	285	275	275	285	285	280	300	310	290	275	270	185	150	14	
14	195	190	185	175	165	180	185	225	265	150	145	195	150	180	35	70	55	(VA)	70	105	135	1VA1	200	205	9	
15	205	185	155	150	100	140	265	285	270	230	215	290	280	275	355	55	60	45	45	205	280	215	205	90	13	
16	130	230	170	170	175	155	165	235	275	20	265	300	295	325	345	355	330	270	220	300	285	310	10	0	14	
17	315	135	165	110	65	35	105	170	155	70	65	0	325	295	275	270	320	340	315	165	105	150	150	155	8	
18	170	125	135	85	100	(VA)	250	160	225	250	200	315	325	270	265	270	255	265	265	70	75	80	80	75	13	
19	85	80	80	75	75	75	75	80	80	75	35	70	50	55	45	45	65	40	75	70	75	50	65	65	8	
20	85	145	145	170	160	160	155	165	160	95	175	305	290	300	270	310	345	325	330	250	260	90	160	175	8	
21	205	255	225	310	350	30	355	75	305	315	310	340	290	295	(VA)	320	280	280	285	320	315	295	305	320	18	
22	320	335	345	340	345	45	90	85	95	90	330	60	350	25	335	310	20	35	90	125	160	140	150	150	14	
23	145	110	155	125	90	155	175	85	145	(VA)	310	290	275	295	280	300	265	280	290	290	265	165	275	15	14	
24	305	125	90	135	295	65	(VA)	80	145	45	95	335	(VA)	340	305	240	295	295	290	315	275	280	320	285	14	
25	320	(VA)	(VA)	335	305	280	345	25	(VA)	315	25	305	260	270	270	315	0	310	165	60	75	70	55	45	15	
26	40	45	60	45	25	65	35	45	40	55	325	0	0	35	35	40	50	60	80	50	60	60	40	45	15	
27	55	100	10	15	80	55	90	75	55	35	275	265	280	310	305	315	265	275	255	180	275	250	255	75	13	
28	35	55	60	60	45	45	35	60	45	25	50	35	40	40	30	55	35	55	20	20	1VA1	280	235	160	3	
29	35	35	170	110	340	(VA)	270	310	0	345	290	245	265	275	290	190	220	165	60	185	180	215	120	13		
30	155	130	155	145	135	130	120	155	100	60	(VA)	15	250	235	110	40	200	(VA)	100	170	165	160	170	160	8	
31	140	150	145	155	155	125	110	85	135	15	5	285	245	200	340	285	260	265	275	280	235	315	(VA)	95	7	
PV	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
AV	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	

AUGUST [21 JAN 81]

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 FEB. 1960
 AEROENVIRONMENT INC.

WIND DIRECTION ICC:161
 DEGREES
 LEVEL HEIGHT : 20 METERS

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 * FINAL DATA
 * AS OF 31/MAR/61
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 *.....

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	170	125	(VAI)	155	115	130	100	(VAI)	290	245	320	305	270	270	275	265	250	150	60	170	170	65	13	
2	130	150	225	95	165	240	160	130	(VAI)	165	290	225	280	275	300	270	245	(VAI)	225	245	345	190	340	150	A
3	150	(VAI)	180	350	280	270	(VAI)	55	75	225	250	305	290	285	290	285	275	260	290	230	215	75	340	160	13
4	45	70	50	150	105	220	305	300	270	(VAI)	290	305	285	265	270	255	275	250	165	(VAI)	195	140	140	140	14
5	110	120	160	135	90	160	90	65	195	330	25	305	285	270	265	285	265	255	260	210	(VAI)	155	(VAI)	175	13
6	240	250	110	165	130	(VAI)	165	140	145	(VAI)	320	260	275	295	270	270	260	275	270	305	310	355	155	145	13
7	150	70	0	260	280	260	275	285	265	230	260	280	290	250	260	(VAI)	60	50	40	10	5	335	225	30	13
8	25	40	155	165	175	165	160	160	170	315	275	295	270	285	305	310	350	130	160	155	160	150	155	155	A
9	165	160	135	145	155	145	130	130	165	315	245	280	275	270	275	275	270	260	265	305	125	150	170	145	7
10	135	145	115	70	180	150	70	55	320	55	325	285	320	270	265	265	270	270	285	(VAI)	155	155	145	(VAI)	
11	145	160	150	130	125	140	130	90	145	50	325	290	270	275	280	265	270	265	270	255	190	165	140	150	7
12	155	140	145	65	145	145	65	110	170	325	285	275	280	275	275	265	265	275	245	245	180	170	185	175	13
13	70	155	175	140	150	155	60	150	(VAI)	(VAI)	260	285	340	310	275	275	280	280	270	265	265	225	245	(VAI)	13
14	355	280	255	(VAI)	20	10	60	140	(VAI)	245	280	285	285	270	280	265	275	280	260	130	55	45	25	115	13
15	155	170	170	120	125	230	(VAI)	40	275	240	270	270	275	275	275	280	265	260	230	230	320	320	5	(VAI)	13
16	145	175	50	120	125	165	150	185	290	0	130	320	340	285	280	275	265	290	285	335	295	305	285	270	14
17	300	300	280	210	275	265	245	300	150	275	270	270	320	310	240	40	320	260	355	80	105	230	(VAI)	55	13
18	150	320	190	230	195	220	305	20	45	115	175	255	280	270	285	195	160	155	150	255	205	165	160	165	A
19	185	185	265	165	165	140	100	125	110	125	320	195	235	215	200	185	170	210	110	105	60	220	5	330	9
20	55	130	155	160	160	175	175	190	225	155	205	165	170	180	205	215	290	315	120	175	160	170	170	160	9
21	200	255	195	295	95	(VAI)	125	95	100	340	195	185	120	180	180	195	270	275	270	315	335	260	175	(VAI)	10
22	180	(VAI)	105	250	270	175	155	175	200	250	270	275	275	285	285	320	295	315	45	145	165	175	220	195	13
23	135	145	170	200	175	190	115	165	210	275	330	275	295	295	290	295	280	80	30	65	145	155	175	175	9
24	185	140	140	170	165	145	140	155	110	240	320	325	265	295	290	290	270	315	0	120	160	155	165	165	A
25	160	165	150	145	150	145	155	150	135	280	275	270	290	335	310	315	335	325	270	185	130	150	170	165	A
26	155	150	155	145	110	140	145	120	145	265	270	275	260	310	340	310	275	285	240	205	165	165	170	165	A
27	160	160	155	110	125	140	160	155	70	335	305	295	295	270	270	270	270	275	270	145	145	145	140	155	A
28	160	160	130	135	135	120	185	170	135	285	275	265	265	275	310	325	310	355	225	260	260	230	160	165	A
29	300	280	85	165	165	155	170	185	190	195	265	290	290	40	330	335	0	355	20	75	100	80	70	85	5
PV	8	8	8	7	8	7	8	6	7	13	13	14	14	14	13	13	13	13	13	12	4	8	8	8	A

ABOUT (21 JAN 81)

WIND DIRECTION (CC11A)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 1 20 METERS

FEB. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	S	SE	(VA)	SSE	ESE	SE	E	(VA)	WNW	WSW	NW	W	W	W	W	W	WSW	SSE	ENE	ENE	S	S	ESE	W
2	SE	SSE	SW	(VA)	E SSE	WSW	SSE	SE	SSE	WNW	NNE	W	W	W	W	W	W	(VA)	SW	WSW	PNP	S	NNW	SSE	SSE
3	SSE	(VA)	S	N	W	W	W	(VA)	NE	ENE	SW	WNW	WNW	W	W	W	W	WNW	SW	ENE	ENE	NNW	SSE	SSW	W
4	NE	ENE	NE	NE	SSE	ESE	SW	NW	WNW	W	(VA)	WNW	W	W	W	W	W	WSW	SSE	SSE	(VA)	SSE	SE	WNW	W
5	ESE	ESE	SSE	SE	E SSE	E	E	ENE	WNW	NNW	NNE	NW	WNW	W	W	W	W	WSW	W	SSW	(VA)	SSE	(VA)	S	W
6	WSW	WSW	ESE	SSE	SE	(VA)	SSE	SE	SE	(VA)	NW	W	W	W	W	W	W	W	N	N	N	N	SSE	SE	W
7	SSE	ENE	N	W	W	W	W	WNW	W	SW	W	W	W	W	W	W	W	W	W	N	N	N	SSE	SE	W
8	NNE	NE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	NW	W	W	W	W	W	W	ENE	NE	N	N	NNW	SW	NNE	W
9	SSE	SSE	SE	BE	SSE	SE	SE	SE	SSE	NW	WSW	W	W	W	W	W	W	N	SE	SSE	SSE	SSE	SSE	SSE	SSE
10	SE	SE	ESE	ENE	SE	SSE	ESE	NE	NW	NE	SW	WNW	W	W	W	W	W	W	WNW	WSW	(VA)	SSE	SSE	SE	SE
11	SE	SSE	SSE	SE	SE	SE	SE	E	SE	NE	NW	WNW	W	W	W	W	W	W	W	WSW	S	SSE	SSE	SSE	SE
12	SSE	SE	SE	F	SE	SE	E	ESE	S	NW	WNW	W	W	W	W	W	W	W	W	WSW	S	S	S	S	W
13	ENE	SSE	S	SE	SSE	SSE	E	SSE	(VA)	(VA)	W	WNW	NNW	NW	W	W	W	W	W	W	W	W	W	W	W
14	N	W	WSW	(VA)	NNE	N	E	SE	(VA)	WSW	W	WNW	WNW	W	W	W	W	W	W	SE	NE	NE	WSW	(VA)	W
15	SSE	S	S	ESE	SE	SW	(VA)	NE	W	WSW	W	W	W	W	W	W	W	W	W	SE	NE	NE	ENE	ESE	W
16	SE	S	NE	ESE	SE	SSE	SSE	S	WNW	N	SE	NW	NNW	W	W	W	W	W	W	SW	NW	NW	N	(VA)	W
17	WNW	WNW	W	SSW	W	W	WSW	WNW	SSE	W	W	NW	NW	W	W	W	W	WNW	WNW	NNW	NNW	NNW	N	(VA)	W
18	SSE	NW	S	SW	ESE	SW	NW	NNE	NE	ESE	S	WSW	W	W	W	W	W	W	E	ESE	SW	(VA)	NE	W	
19	S	S	W	SSE	SSE	SE	E	SE	ESE	SE	NW	SSW	SW	SSW	S	S	S	SSE	SSE	WSW	SSW	SSE	SSE	SSE	W
20	NE	SE	SSE	SSE	SSE	S	S	E	SE	SSE	SSW	SSE	S	S	SSW	SW	WNW	W	ESE	ESE	ENE	SW	N	NNW	S
21	SSW	WSW	SSW	WNW	(VA)	(VA)	SE	E	E	NNW	SSW	S	ESE	S	S	SSW	W	W	ESE	S	SSE	S	SSE	SSE	W
22	S	(VA)	ESE	WSW	W	S	SSE	S	SSW	WSW	W	W	W	W	W	W	W	W	W	N	NNW	W	R	(VA)	SSW
23	SE	SE	S	S	SSE	S	ESE	SSE	SSW	W	NNW	WNW	WNW	WNW	WNW	WNW	WNW	W	NE	NE	SE	SSE	S	SSW	W
24	S	SE	SE	S	SSE	SE	SE	SSE	ESE	WSW	NW	PNW	W	W	W	W	W	E	NNE	ENE	SE	SSE	S	S	W
25	SSE	SSE	SE	SSE	SE	SE	SE	SSE	ESE	SE	W	W	W	W	W	W	W	W	N	ESF	SSE	SSE	SSE	SSE	SSE
26	SSE	SSE	SSE	SE	ESE	SE	SE	ESE	SE	W	W	W	W	W	W	W	W	W	S	SE	SE	SSE	SSE	SSE	SSE
27	SSE	SSE	SSE	ESE	SE	SE	SSE	SSE	ESE	W	W	W	W	W	W	W	W	W	WSW	SSW	SSE	SSE	SSE	SSE	SSE
28	SSE	SE	SE	SE	SE	SE	S	S	SE	WNW	NW	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SSE
29	WNW	W	E	SSF	SSF	SSE	S	S	S	SSW	W	WNW	WNW	E	NNW	NNW	N	N	NNE	FNE	F	E	ENE	E	F
PV	SSF	SSE	SSE	SE	SSE	SE	SSE	SE	W	W	W	WNW	WNW	W	W	W	W	W	W	WSW	SSF	SSF	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT.#139

RONANZA, UTAH
SITE 6

MAR. 1980

AEROVIRONMENT INC.

WIND DIRECTION (CC#16)

DEGREES

LEVEL HEIGHT : 20 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	75	75	85	90	90	95	95	85	35	300	285	335	330	290	270	270	325	320	35	115	145	165	155	150	5	
2	130	140	140	115	145	150	145	155	345	(VAI)	295	325	335	295	265	295	310	325	(VAI)	130	125	145	150	155	7	
3	150	160	120	170	(VAI)	60	150	200	80	45	125	220	195	180	190	195	220	160	75	110	155	90	185	200	(VAI)	
4	205	220	170	185	175	165	160	135	75	145	140	260	270	285	290	295	290	285	280	260	215	195	180	165	11	
5	165	160	155	145	185	195	300	305	305	265	220	185	190	195	185	195	190	190	190	190	185	190	190	180	9	
6	175	195	225	260	240	160	160	165	120	10	45	315	265	255	(VAI)	125	225	25	25	60	65	(VAI)	5	155	A	
7	180	220	200	340	45	130	260	55	75	130	210	235	255	260	295	270	260	200	250	0	10	10	175	165	(VAI)	
8	180	215	255	195	165	170	160	165	170	280	265	270	255	265	270	240	270	250	230	250	160	205	180	12	12	
9	140	160	185	170	165	165	165	150	175	280	295	270	285	265	240	235	255	250	240	200	165	160	165	165	A	
10	175	175	165	155	130	140	115	105	30	(VAI)	275	295	300	285	255	280	290	270	185	165	180	165	155	185	A	
11	155	145	140	150	155	135	140	150	95	(VAI)	(VAI)	5	325	275	280	170	170	135	170	170	185	185	170	160	8	
12	150	255	260	260	275	285	275	280	270	270	275	275	280	270	270	270	275	290	300	345	25	95	165	160	11	
13	145	150	160	170	150	150	130	145	60	355	325	280	265	295	285	280	275	265	100	170	100	135	105	170	(VAI)	
14	105	135	160	135	130	145	145	130	70	75	345	285	280	280	255	195	180	190	210	170	175	170	185	110	(VAI)	
15	70	175	195	125	(VAI)	15	35	330	270	50	330	245	275	250	235	295	220	210	240	280	185	330	275	280	13	
16	290	300	290	305	340	305	25	70	20	335	325	335	340	340	350	355	335	5	10	25	0	(VAI)	145	170	16	
17	180	165	160	160	140	140	180	105	5	355	5	310	260	180	185	195	255	185	185	175	170	175	170	190	A	
18	155	145	145	145	90	105	120	170	(VAI)	290	295	300	290	265	275	310	305	320	20	140	170	150	145	160	7	
19	150	145	160	145	120	145	145	105	105	(VAI)	275	275	270	270	280	270	280	285	285	315	0	40	40	150	7	
20	150	155	175	170	155	155	145	120	100	290	310	295	350	310	295	305	(VAI)	175	160	165	165	165	150	185	8	
21	70	60	65	140	125	110	115	130	130	185	190	185	180	160	200	215	280	305	310	25	50	155	165	155	(VAI)	
22	140	155	45	105	260	280	(VAI)	260	285	270	345	80	85	60	75	85	75	70	70	55	5	40	200	60	4	
23	105	135	170	220	45	170	100	110	(VAI)	70	55	40	260	275	310	315	255	285	15	135	230	275	265	160	13	
24	130	160	130	55	50	125	50	85	140	215	240	165	175	185	165	170	150	150	160	245	290	280	280	165	8	
25	145	145	145	120	115	115	115	115	115	120	125	305	280	285	260	290	260	340	10	150	275	265	285	165	6	
26	165	185	260	185	165	150	160	170	285	320	280	(VAI)	140	210	300	265	175	145	135	145	145	165	160	160	6	
27	135	145	140	140	150	155	145	105	95	320	300	290	240	275	250	280	280	280	285	255	230	280	250	230	13	
28	(VAI)	60	305	280	295	270	280	290	275	265	0	5	10	15	10	15	20	30	35	30	35	65	10	150	2	
29	(VAI)	160	5	185	155	155	170	175	245	180	(VAI)	310	0	295	(VAI)	100	(VAI)	100	100	150	155	155	150	165	A	
30	170	160	95	75	55	70	55	340	70	50	70	205	225	270	275	280	280	135	140	140	135	185	165	165	7	
31	145	160	170	175	160	155	145	145	130	245	225	195	215	255	215	205	245	40	95	140	125	145	165	150	A	
PV	6	6	9	(VAI)	7	6	7	6	5	14	14	(VAI)	13	13	13	13	13	13	14	9	(VAI)	9	6	6	6	6

WIND DIRECTION (CC116)

LEVEL HEIGHT 120 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6

MAR, 1960

AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ENE	ENE	E	E	E	E	E	E	NE	WNW	WNW	WNW	WNW	W	W	W	NW	NW	NE	ESE	SE	SSE	SSE	E	
2	SSE	SSE	SE	SE	SE	SE	SE	SE	ENE	WNW	WNW	WNW	WNW	W	W	W	NW	NW	(VA)	SE	SE	SE	SSE	SE	
3	SSE	SSE	ESE	S	(VA)	ENE	SSE	SSE	ENE	SE	SE	S	S	S	S	S	SW	SW	ENE	ESE	SSE	E	S	(VA)	
4	SSW	SSW	S	S	S	SSE	SSE	SE	ENE	SE	W	W	W	W	W	W	WNW	WNW	W	W	SSW	S	S	W	
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	W	W	W	W	W	W	W	SSW	SSW	S	S	S	S	S	S	
6	S	S	SSW	SSW	SSW	SSW	SSW	SSW	ESE	N	NE	NW	W	W	W	(VA)	SE	SW	NNE	ENE	ENE	(VA)	N	SSE	
7	S	S	SSW	SSW	SSW	SSW	SSW	SSW	ENE	SE	SSW	SSW	SSW	W	W	W	W	SSW	SSW	N	N	N	S	(VA)	
8	S	S	SSW	SSW	SSW	SSW	SSW	SSW	S	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	S	W	
9	SE	SSE	S	S	SSE	SSE	SSE	SSE	S	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	
10	S	S	SSE	SSE	SSE	SSE	SSE	ESE	NNE	(VA)	W	WNW	WNW	W	W	W	SSW	SSW	S	SSE	S	SSE	SSE	SSE	
11	SSE	SSE	SE	SE	SE	SE	SE	SE	E	(VA)	W	W	W	W	W	W	W	W	W	W	W	E	SSE	W	
12	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	E	SSE	W	
13	SE	SSE	S	S	SSE	SSE	SE	SE	E	N	NW	W	W	W	W	W	W	W	E	S	E	SE	S	(VA)	
14	ESE	SE	SSE	SE	SE	SE	SE	SE	ENE	ENE	WNW	WNW	W	W	W	W	W	W	W	W	W	S	SSE	W	
15	ENE	S	SSW	SE	(VA)	NNE	NE	NW	W	NE	WNW	W	W	W	W	W	W	W	W	W	W	S	SSE	W	
16	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ENE	ENE	WNW	WNW	WNW	N	N	N	N	N	N	N	N	N	N	N	W
17	S	SSE	SSE	SE	SE	SE	SE	SE	E	N	NW	W	W	W	W	W	W	W	W	W	W	S	S	NW	
18	SSE	SE	SE	SE	E	ESE	ESE	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	S	S	SSE	
19	SSE	SSE	SE	SE	SE	SE	SE	SE	ESE	(VA)	W	W	W	W	W	W	W	W	W	W	W	S	S	SE	
20	SSE	SSE	S	S	SSE	SSE	SE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	S	S	SE	
21	ENE	ENE	ENE	SE	SE	SE	SE	SE	E	W	W	W	W	W	W	W	W	W	W	W	W	S	S	(VA)	
22	SE	SSE	NE	ESE	W	W	(VA)	W	WNW	W	WNW	E	E	FNE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
23	ESE	SE	S	SW	NE	S	E	ESE	(VA)	ENE	NE	NE	W	W	W	W	W	W	W	W	W	W	W	W	
24	SE	SE	SE	SE	NE	SE	NE	E	SE	SW	SSW	SSE	S	S	S	S	S	S	S	S	S	S	S	S	
25	SE	SE	SE	ESE	FSE	ESE	ESE	ESE	ESE	ESE	SE	SW	SSW	S	S	S	S	S	S	S	S	S	S	S	
26	SSE	SE	SE	S	SSE	SSE	SSE	SSE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
27	SSE	SE	SE	SE	SE	SE	SE	SE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
28	(VA)	ENE	WNW	W	WNW	W	WNW	W	W	W	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
29	(VA)	SSE	N	S	SSE	SSE	S	W	W	W	(VA)	N	N	N	N	N	N	N	N	N	N	N	N	N	
30	S	SSE	E	FNE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
31	SE	SSE	S	S	SSE	SSE	SE	SE	SE	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
PV	SSE	SSE	S	(VA)	SE	SSE	SE	ESE	E	WNW	WNW	(VA)	W	W	W	W	W	W	W	W	W	W	W	SSE	

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 * FINAL DATA *
 * AS OF 31/MAR/81 *
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WHITE RIVER SHALE PROJECT, #139
 HUNANZA, UTAH
 SITE 6
 APR, 1980
 AEROVIRONMENT INC.

WIND DIRECTION ICC1161
 DEGREES
 LEVEL HEIGHT : 20 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	150	145	105	165	60	55	40	50	10	(VA)	25	60	275	300	355	40	340	35	60	70	75	75	55	3
2	60	320	340	0	325	265	275	255	250	280	295	290	290	320	305	330	345	350	350	350	50	165	160	160	15
3	160	150	165	150	155	140	160	140	105	95	50	(VA)	325	270	260	170	160	205	295	50	145	155	130	135	8
4	50	(VA)	95	40	115	175	160	135	305	170	195	260	230	220	225	230	240	235	280	290	200	185	165	175	8
5	140	145	140	145	135	150	(VA)	145	110	70	195	260	230	220	225	230	240	235	280	290	200	185	165	175	8
6	275	240	240	235	200	180	175	250	250	275	275	275	275	280	275	280	275	270	275	280	305	130	165	165	12
7	255	285	350	(VA)	250	275	280	290	275	270	280	280	285	305	300	290	285	290	280	280	290	10	200	165	13
8	155	140	135	135	145	140	115	65	340	290	350	295	300	270	295	300	340	190	35	90	160	185	110	140	7
9	155	140	135	135	145	140	115	65	340	290	350	295	300	270	295	300	340	190	35	90	160	185	110	140	7
10	170	180	200	(VA)	235	160	260	285	280	280	295	280	300	290	290	285	290	290	275	275	25	80	100	60	14
11	65	150	165	(VA)	325	155	90	(VA)	290	100	50	30	10	20	30	30	30	30	10	20	50	40	30	45	2
12	25	10	135	160	165	150	150	65	(VA)	355	65	105	40	10	40	25	35	35	25	30	35	30	25	20	2
13	55	95	160	150	155	160	150	195	275	325	355	345	250	265	290	270	275	70	75	115	160	150	155	150	8
14	140	140	120	145	140	125	110	110	55	325	310	5	345	240	290	255	225	80	50	95	165	155	155	160	7
15	150	150	140	120	150	135	135	105	140	295	260	285	270	285	280	240	280	295	285	275	270	265	300	170	13
16	145	160	160	150	135	135	150	130	305	235	325	320	340	345	355	320	320	350	40	95	150	155	150	150	8
17	150	155	150	155	150	140	150	(VA)	45	325	280	310	310	315	(VA)	295	260	290	345	90	160	160	155	145	8
18	135	145	145	155	145	135	145	100	305	330	290	280	295	270	300	265	235	210	215	185	145	155	145	145	7
19	140	145	165	140	140	170	140	100	35	345	295	305	295	285	275	285	200	250	235	185	165	145	140	150	7
20	130	120	150	155	150	150	150	80	300	305	15	330	270	230	225	240	195	225	205	165	165	165	165	160	7
21	160	160	160	175	170	165	160	160	170	170	145	145	150	295	195	40	40	85	(VA)	210	(VA)	65	110	(VA)	8
22	145	170	115	100	205	135	160	180	330	280	300	315	0	60	40	35	60	60	45	80	70	65	70	110	9
23	135	140	160	160	160	140	270	290	290	300	285	265	230	260	295	285	300	320	40	105	155	155	165	150	14
24	160	150	155	165	145	165	170	245	275	275	350	25	0	330	0	20	10	350	15	15	50	45	65	110	1
25	75	60	65	(VA)	70	165	260	245	45	85	(VA)	55	35	15	35	5	15	20	30	40	60	50	45	60	3
26	60	140	140	155	160	165	200	260	(VA)	45	40	35	65	140	65	(VA)	110	75	65	70	140	155	160	165	8
27	170	165	160	150	160	150	125	345	300	330	(VA)	(VA)	65	(VA)	345	345	295	250	325	40	160	165	80	170	8
28	150	155	140	130	135	100	100	75	50	65	250	300	290	(VA)	160	180	220	225	215	145	150	160	190	140	8
29	160	150	160	170	115	(VA)	60	290	280	305	325	195	155	160	185	180	190	240	275	335	35	95	115	140	8
30	(VA)	280	335	45	15	(VA)	125	165	315	(VA)	355	0	130	245	325	285	305	285	105	160	160	160	165	155	8
PV	8	8	7	8	7	8	8	7	15	15	14	13	14	13	14	13	13	12	3	5	6	8	7	8	8

WIND DIRECTION (CCL16)

LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #159

BOHANZA, UTAH

SITE 6

APR. 1980

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	ESE	SSE	ENE	NE	NE	NE	N	(VA)	NNE	ENE	W	WNW	N	NE	NNW	NE	ENE	ENE	ENE	ENE	ENE	NE
2	ENE	NW	NW	N	NW	W	WSW	WSW	WSW	W	WNW	WNW	WNW	NW	NW	N	NE	NNW	N	ENE	ENE	ENE	ENE	ENE	NE
3	SSE	SSE	SSE	SSE	SSE	SE	ESE	ESE	ESE	E	(VA)	(VA)	(VA)	WSW	SE	S	SSE	SSW	NW	NE	SE	SE	SE	SE	NW
4	NE	(VA)	E	NE	ESE	S	ENE	ENE	ENE	NW	NW	W	W	W	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	SE	SE	SE	SE	SE	SSE	ENE	ENE	ENE	ENE	ENE	W	W	W	W	WSW	WSW	WSW	W	W	W	W	W	W	W
6	W	WSW	WSW	WSW	WSW	S	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	WSW	WNW	N	(VA)	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SSE	SE	SE	SE	SE	ESE	ENE	ENE	ENE	W	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	W	E	SSE	SSE	SSE	SSE	W
9	SSE	SE	SE	SE	SE	SE	ESE	ENE	ENE	W	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	W	E	SSE	SSE	SSE	SSE	W
10	S	S	S	S	S	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	ENE	SSE	SSE	(VA)	NW	SSE	E	(VA)	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
12	NNE	N	SE	SSE	SSE	SSE	E	(VA)	WNW	N	E	ESE	NE	N	NE	NNE	NNE	NNE	N	NNE	NE	NE	NE	NE	NNE
13	NE	E	SSE	SSE	SSE	SSE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
14	SE	SE	ESE	SE	SE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
15	SSE	SSE	SE	ESE	SSE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
16	SE	SSE	SSE	SSE	SSE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
17	SSE	SSE	SSE	SSE	SSE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
19	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
20	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	W	N	N	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SSE	SSE	SSE	S	S	SSE	SE	SE	SE	S	SE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W
22	SE	SE	ESE	E	SSW	SE	SE	SE	SE	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	SE	SE	SSE	SSE	SSE	S	W	WNW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	SSE	SSE	SSE	SSE	SSE	SE	S	WSW	W	W	N	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N
25	ENE	ENE	ENE	(VA)	ENE	SSE	W	WNW	NE	E	(VA)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
26	ENE	SE	SE	SSE	SSE	SSE	W	WNW	NE	E	(VA)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
27	S	SSE	SSE	SSE	SSE	SSE	SE	WNW	WNW	WNW	(VA)	(VA)	ENE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	SSE	SSE	SE	SE	SE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
29	SSE	SSE	SSE	S	FSE	(VA)	ENE	WNW	W	NW	NW	WNW	SSE	S	S	WSW	WSW	WSW	W	NNW	NE	ESE	ESE	ESE	SSE
30	(VA)	W	NNW	NE	NNE	(VA)	SE	SSE	NNW	(VA)	N	N	SE	WSW	NW	WNW	WNW	WNW	ESE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SE	SSE	SE	SSE	SE	SE	NW	NNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CC:161)
 DEGREE 0
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAY, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	160	165	160	145	145	75	40	65	70	65	75	55	85	60	IVAJ	255	280	190	230	355	125	150	155	175	A	
2	145	150	175	65	125	70	90	30	340	275	IVAJ	IVAJ	145	175	180	175	210	275	155	150	125	160	155	145	A	
3	155	150	130	120	160	160	145	145	80	290	300	310	245	280	300	10	IVAJ	105	160	150	165	165	125	65	7	
4	260	150	180	175	145	155	160	140	IVAJ	330	305	245	270	320	320	350	335	35	95	145	150	335	95	150	8	
5	160	15	350	155	160	160	155	130	355	355	30	155	265	280	285	50	65	100	170	160	160	165	170	165	A	
6	160	155	165	155	145	140	130	130	180	185	310	295	295	230	190	150	165	160	165	160	170	160	175	155	A	
7	160	150	140	140	90	105	155	50	55	300	275	170	170	155	90	145	85	IVAJ	235	310	40	75	125	155	8	
8	145	135	160	125	130	110	100	145	135	180	300	IVAJ	55	140	230	260	235	235	190	190	165	160	160	160	7	
9	250	215	130	145	190	155	65	65	160	215	200	175	165	160	190	235	325	30	15	25	15	330	IVAJ	105	A	
10	160	140	150	125	210	240	60	330	275	200	240	260	180	175	180	145	185	195	275	280	265	155	140	150	9	
11	45	145	270	275	270	280	265	205	IVAJ	335	300	235	200	125	125	190	190	245	0	95	100	170	265	85	13	
12	165	170	155	325	235	270	170	165	190	215	185	190	210	210	250	220	10	IVAJ	80	160	95	70	85	9	A	
13	105	40	145	150	155	145	160	160	300	330	320	340	315	285	245	IVAJ	155	150	165	160	155	160	155	150	A	
14	155	165	155	150	140	135	145	90	310	285	270	290	260	IVAJ	65	55	55	75	100	145	170	210	230	165	9	
15	155	170	165	160	160	140	140	225	290	295	260	280	IVAJ	300	75	185	265	255	150	165	215	185	110	75	A	
16	155	180	160	160	165	155	135	120	IVAJ	260	240	300	260	140	85	20	300	310	285	270	215	155	225	185	A	
17	170	175	215	240	255	255	260	290	275	260	265	260	345	295	165	80	75	70	70	65	60	130	145	160	13	
18	150	140	145	145	140	145	135	90	330	310	315	335	295	285	225	305	IVAJ	130	280	0	125	165	155	150	7	
19	155	160	150	150	140	140	130	110	30	300	295	280	285	280	270	330	340	35	40	75	100	160	160	155	A	
20	140	160	160	145	145	145	140	90	320	295	335	15	355	110	75	245	320	335	20	50	110	145	140	160	7	
21	145	145	155	135	130	145	125	100	IVAJ	300	290	295	245	240	355	305	25	80	15	85	155	160	155	155	A	
22	145	135	100	135	150	160	145	IVAJ	295	IVAJ	0	350	335	185	170	140	165	195	220	175	145	145	155	200	IVAJ	A
23	195	IVAJ	200	185	175	185	170	185	185	175	170	175	190	170	170	180	185	180	160	130	150	175	175	185	9	
24	175	175	170	165	175	175	180	175	185	190	190	180	200	245	250	230	220	170	135	205	210	185	205	200	10	
25	210	205	195	195	IVAJ	160	180	205	225	235	235	215	225	225	190	280	325	35	70	110	150	145	115	140	10	
26	140	150	145	140	140	90	65	30	345	330	315	260	205	200	235	230	185	200	265	5	70	150	155	145	7	
27	155	145	145	135	90	110	20	20	265	185	185	200	205	190	200	170	195	215	195	190	140	155	155	145	9	
28	135	180	125	145	135	150	130	95	190	185	190	170	180	195	205	200	190	205	190	205	175	155	255	265	9	
29	270	280	295	IVAJ	135	225	270	280	60	275	270	280	270	280	290	275	255	270	275	315	290	45	75	175	13	
30	70	170	140	150	165	160	135	290	340	0	330	340	245	255	260	180	190	190	190	200	175	145	155	160	A	
31	135	160	155	155	150	165	245	290	285	245	240	280	295	245	290	285	280	265	200	295	245	140	280	IVAJ	13	
PV	8	8	8	A	8	7	7	IVAJ	16	14	14	13	13	13	9	9	9	9	8	8	8	8	8	8	A	

WIND DIRECTION (CC#16)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT : 20 METERS

MAY, 1980

FINAL DATA

AS OF 31/MAR/81

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SE	SE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	(VA)	WSW	W	S	SW	N	SE	SSE	SSE	S	SSE
2	SE	SSE	ENE	ENE	SE	ENE	E	ENE	ENE	W	(VA)	SE	SE	S	W	WSW	W	S	WSW	N	SE	SSE	SSE	SE	SSE
3	SSE	SE	ESE	SSE	SSE	SSE	SE	SE	E	ENE	ENE	W	WSW	W	WSW	N	(VA)	ESE	SSE	SSE	SSE	SSE	SE	E	SE
4	W	SSE	S	S	SSE	SSE	SE	SE	(VA)	ENE	ENE	W	WSW	W	WSW	NE	ENE	NE	E	SE	SSE	N	E	SSE	SSE
5	SSE	NNE	N	SSE	SSE	SSE	SE	SE	SE	N	NE	SSE	W	W	WSW	NE	ENE	E	S	SSE	SSE	S	SSE	SSE	SSE
6	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	S	S	WSW	WSW	WSW	S	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE
7	SSE	SE	SE	SE	E	ESE	SE	SE	SE	W	W	S	S	SSE	E	SE	E	(VA)	SW	NW	NE	ENE	SE	SSE	SSE
8	SE	SE	SE	SE	SE	ESE	E	SE	SE	S	S	WSW	WSW	WSW	W	WSW	W	WSW	S	SSE	SSE	SSE	SSE	SSE	SSE
9	WSW	WSW	WSW	SE	S	SSE	ENE	ENE	SSE	SW	SSW	S	SSE	SSE	S	SW	NW	NNE	NNE	NNE	NNE	NNE	(VA)	ESE	SSE
10	SSE	SE	SE	SE	SE	SSW	WSW	E	NNW	W	SSW	W	S	S	S	SSW	W	W	W	W	W	W	W	W	W
11	NE	SE	W	W	W	W	W	W	SSW	(VA)	NNW	NNW	SSW	SE	SE	S	S	WSW	N	E	E	S	W	E	W
12	SSE	S	SSE	NNW	SW	W	S	SSE	SW	S	S	S	SSW	SSW	WSW	SW	N	NNE	(VA)	E	SSE	E	ENE	E	S
13	ESE	NE	SE	SSE	SE	SE	SE	SSE	WSW	NNW	NNW	NNW	NNW	WSW	WSW	(VA)	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SSE	SSE	SE	SE	SE	SE	E	NNW	W	W	W	(VA)	ENE	NE	NE	ENE	E	SE	S	SSW	SW	SSE	SSE
15	SSE	S	SSE	SSE	SE	SE	SE	SE	SW	WSW	W	W	(VA)	WNW	ENE	S	W	WSW	SSE	SSE	SW	S	ESE	ENE	SSE
16	SSE	S	SSE	SSE	SSE	SSE	SE	ESE	(VA)	W	WSW	WSW	W	SE	E	NNE	NNW	NNW	NNW	W	SW	SSE	SW	SSE	SSE
17	S	S	SW	WSW	WSW	WSW	W	W	W	W	W	W	NNW	NNW	SSE	E	ENE	ENE	ENE	ENE	ENE	SE	SE	SE	SE
18	SSE	SE	SE	SE	SE	SE	SE	SE	E	NNW	NNW	NNW	NNW	SW	SW	(VA)	SE	W	N	SE	SSE	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SE	SE	SE	ESE	NNE	NNW	NNW	W	W	W	NNW	NNW	NNW	NNW	NE	NE	E	SSE	SSE	SSE	SSE
20	SE	SSE	SE	SE	SE	SE	SE	E	NNW	NNW	NNW	NNE	N	ESE	ENE	NNW	NNW	NNW	NNW	NE	ESE	SE	SSE	SSE	SE
21	SE	SE	SE	SSE	SE	SE	SE	E	(VA)	NNW	NNW	NNW	WSW	WSW	N	NNW	NNE	E	NNE	F	SSE	SSE	SSE	SSE	SSE
22	SE	SE	E	SE	SSE	SSE	SE	(VA)	NNW	(VA)	N	N	NNW	S	S	SE	SSE	SSW	SW	S	S	SSE	SSE	SSE	(VA)
23	SSW	(VA)	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	SSW	SSW	SSW	SSW	(VA)	SSE	S	SSW	SW	WSW	SW	SW	SW	SW	SW	W	NW	NE	ENE	ESE	SSE	SE	ESE	SE	SSW
26	SE	SE	SE	SE	SE	E	ENE	NNE	NNW	NNW	NNW	W	W	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	SSE	SSE	SE	SE	E	ESE	NNE	NNE	W	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
28	SE	SE	SE	SE	SE	SSE	SSE	SE	E	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
29	W	W	W	W	W	W	W	W	E	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ENE	S	SE	SSE	SSE	SE	WSW	WSW	NNW	NNW	NNW	NNW	WSW	WSW	W	WSW	W	W	W	W	W	W	W	W	W
31	SE	SSE	SSE	SSE	SSE	SSE	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	W	W	W	W	W	W	W	W	W
PV	SSE	SSE	SSE	SSE	SSE	SE	(VA)	NNW	NNW	NNW	W	W	W	W	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION ICC1161
 DEGREES
 LEVEL HEIGHT 1 20 METERS

WHIIF RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUN, 1980
 AEROVIRONMENT INC.

 *
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	165	160	155	150	155	145	105	65	0	300	300	265	140	185	205	290	50	65	195	160	150	160	160	160	A	
2	145	135	115	60	125	135	50	50	220	185	205	200	185	185	185	190	195	185	180	185	175	165	160	160	9	
3	160	165	165	150	165	160	160	165	185	170	170	175	195	195	210	195	195	200	225	205	205	190	160	175	10	
4	170	165	165	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	9	
5	240	180	155	160	155	150	140	110	15	305	195	190	190	205	220	210	205	200	195	190	225	250	260	230	9	
6	210	160	160	160	160	160	160	160	235	225	230	240	235	240	230	235	235	290	300	300	310	300	30	95	11	
7	145	155	160	165	165	195	245	270	325	15	350	350	275	310	290	335	340	325	350	15	95	160	145	150	A	
8	150	160	155	155	155	155	140	100	355	280	330	295	300	315	325	300	310	335	355	20	95	140	155	170	A	
9	160	160	170	160	150	145	120	100	320	275	285	270	295	310	325	55	330	5	5	25	110	145	165	165	A	
10	155	185	150	155	155	155	110	100	30	295	310	345	220	190	180	170	185	195	205	190	195	150	165	165	A	
11	170	215	160	160	160	160	160	160	20	240	180	175	180	190	185	210	240	220	200	165	170	175	140	190	9	
12	170	220	70	130	160	145	160	195	210	220	205	220	195	200	195	195	200	190	185	200	190	220	260	165	10	
13	120	150	150	135	145	140	75	345	345	280	190	180	190	195	185	200	210	190	205	200	205	170	200	225	9	
14	270	205	175	115	120	130	95	355	290	280	230	235	230	220	230	240	230	220	265	300	285	285	275	260	13	
15	260	50	85	110	130	160	160	110	195	300	300	285	305	285	290	305	305	285	305	305	285	320	65	110	14	
16	160	190	225	160	160	170	205	290	295	330	270	275	290	290	275	290	275	350	330	20	160	155	150	155	14	
17	190	145	155	145	140	155	115	105	295	280	310	265	250	315	295	330	330	325	195	195	160	155	145	155	7	
18	145	135	135	150	150	150	125	100	290	300	295	290	305	195	330	240	225	270	275	255	305	300	155	170	14	
19	165	145	140	155	160	160	160	160	335	345	195	190	170	185	195	195	255	280	280	310	195	160	160	160	A	
20	155	155	150	145	155	160	135	315	350	310	300	290	290	170	210	195	180	170	185	180	180	155	165	190	A	
21	255	160	160	165	150	155	145	100	5	345	330	275	200	220	220	265	270	265	255	205	150	185	195	175	7	
22	165	155	120	170	155	150	130	335	10	310	280	290	270	195	185	215	225	210	220	200	195	210	225	150	14	
23	185	250	230	260	260	260	225	190	160	175	185	205	205	210	210	205	210	205	195	200	200	250	255	45	160	10
24	150	160	155	150	140	145	145	5	300	270	270	210	190	190	180	180	220	245	225	210	195	160	200	55	A	
25	310	310	140	75	150	150	105	45	195	330	225	170	170	195	205	200	200	195	195	195	210	165	170	170	9	
26	160	155	150	150	145	150	125	40	280	195	190	190	205	220	215	215	235	220	200	205	290	240	200	270	10	
27	275	270	275	260	255	260	275	275	290	320	295	285	290	300	295	295	300	300	295	290	285	325	140	155	14	
28	195	180	145	145	145	145	145	145	145	170	175	285	300	280	270	285	275	335	310	345	60	145	145	130	155	7
29	145	150	150	140	145	145	100	65	5	325	285	285	295	285	270	290	275	285	290	25	180	210	165	160	14	
30	155	190	45	65	140	140	285	195	260	240	270	275	340	315	300	310	290	290	315	355	300	195	160	135	14	
PV	6	6	6	7	7	6	7	5	195	15	14	14	14	10	10	10	10	10	10	9	10	6	6	6	9	

WIND DIRECTION (CC11A)

LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUN, 1980

AFROVIRONMENT INC.

.....
*
* FINAL DATA
* AS OF 11/MAR/81
*
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SSE	SSE	SE	ESE	ENE	N	WNW	WNW	W	SE	S	SSW	WNW	NE	ENE	SSW	SSE	SSE	SSE	SSE	SSE	SSE
2	SE	SE	ESE	ENE	SE	SE	NE	NE	SW	S	SSW	SSW	S	S	S	S	SSW	S	S	SSE	SSE	SSE	SSE	SSE	S
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE
4	S	SSE	SSE	SSE	SSE	SSE	(VA)	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE
5	WSW	S	SSE	SSE	SSE	SSE	SE	ESE	NNE	NW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SSW	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
7	S	SSE	SSE	SSE	SSE	SSE	SSW	SSW	W	WNW	N	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
8	SSE	SSE	SSE	SSE	SSE	SSE	SE	E	N	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
9	SSE	SSE	S	SSE	SSE	SE	ESE	E	NW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
10	SSE	SSE	SSE	SSE	SSE	SE	ESE	E	NNE	WNW	N	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
11	S	S	S	S	S	SSE	SE	NE	NNE	WNW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
12	S	S	S	S	S	SE	SSE	SSW	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
13	ESE	SSE	SE	SE	SE	SE	ENE	NW	NW	W	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
14	W	SSW	S	ESE	ESE	SE	E	N	NW	W	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
15	W	NE	E	ESE	ESE	SE	SSE	ESE	SSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
16	SSE	S	SSW	SSE	SSE	S	SSW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
17	SE	SE	SE	SE	SE	SE	ESE	ESE	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
18	SE	SE	SE	SE	SE	SE	SE	ESE	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
19	SSE	SE	SE	SSE	SSE	SSE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
20	SSE	SSE	SSE	SSE	SSE	SSE	SE	NW	N	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
21	SSW	S	SSE	SSE	SSE	SSE	SE	E	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
22	SSE	SSE	ESE	S	SSE	SSE	SE	NW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
23	S	SSW	SSW	W	W	SSW	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
24	SSE	SSE	SSE	SSE	SSE	SE	SE	N	WNW	W	W	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S
25	NW	NW	SE	ENE	SSE	SSE	EBE	NE	(VA)	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
26	S	SSE	SSE	SSE	SSE	SSE	SE	NE	W	WNW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S
27	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	S	S	S	S	S	S	SE	SE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
29	SE	SSE	SSE	SE	SE	SE	SE	(VA)	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
30	SSE	S	NE	ENE	SE	SE	WNW	(VA)	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
PV	SSE	SSE	SSE	SE	SE	SSE	E	(VA)	NW	WNW	WNW	(VA)	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSE	SSE	S	

WIND DIRECTION ICC1161
 DEGREES
 LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUL, 1980
 AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAY/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	60	45	115	65	270	15	255	265	265	290	265	265	160	300	295	280	290	180	150	160	175	145	190	140	13
2	130	95	10	350	150	210	250	145	245	155	85	330	140	160	140	345	350	355	140	160	165	160	150	145	8
3	145	135	130	105	180	120	110	90	320	300	285	305	280	235	285	270	195	205	220	175	345	85	130	(VA)	4
4	115	125	70	70	75	70	80	60	40	235	300	245	290	295	255	340	290	295	215	235	160	145	150	140	4
5	125	120	95	110	140	155	130	55	330	290	300	305	300	255	245	250	255	255	215	155	160	105	260	12	
6	140	150	145	145	145	145	110	70	25	330	305	(VA)	315	315	265	255	230	205	185	165	155	170	150	8	
7	160	160	155	145	135	100	45	280	110	300	230	230	180	155	160	185	180	155	155	155	150	150	170	8	
8	170	175	165	240	260	170	150	240	220	240	260	290	270	175	205	240	260	295	270	175	160	155	155	140	(VA)
9	145	160	160	150	145	145	140	335	290	305	305	310	310	(VA)	0	320	50	35	355	45	150	165	135	215	3
10	170	175	155	155	145	155	140	90	355	275	305	275	220	215	225	270	195	165	175	150	120	150	150	150	A
11	130	155	160	160	145	150	140	135	310	300	315	305	305	295	150	180	165	165	145	(VA)	140	165	160	160	A
12	160	160	140	150	160	(VA)	140	185	165	220	270	305	165	180	175	180	275	305	340	185	175	155	140	300	8
13	40	355	170	165	100	165	155	135	190	185	200	315	270	250	245	240	145	(VA)	40	105	140	155	150	170	A
14	90	70	55	120	135	155	150	(VA)	245	240	290	225	220	210	245	245	240	235	205	180	120	250	235	11	
15	140	160	150	160	170	150	120	(VA)	290	290	290	285	300	300	280	275	245	290	295	305	295	245	(VA)	175	14
16	175	150	150	150	155	150	130	100	295	290	300	325	275	280	265	310	310	(VA)	75	95	145	160	155	170	A
17	160	155	145	150	150	150	120	315	310	320	310	295	290	295	290	255	240	270	285	300	310	120	160	170	15
18	150	210	135	120	90	140	185	270	315	(VA)	(VA)	295	285	295	295	290	260	230	225	195	195	160	50	20	14
19	190	275	(VA)	155	130	165	120	(VA)	315	300	300	295	265	240	255	260	300	315	305	320	305	290	270	105	14
20	155	150	165	160	165	175	270	300	285	295	290	265	270	270	305	320	315	305	3	20	75	160	155	155	A
21	155	155	165	155	150	160	185	290	240	300	0	290	235	260	290	305	310	300	315	345	140	160	155	165	A
22	160	170	145	145	125	135	125	70	0	305	295	285	290	285	305	320	325	325	245	245	190	150	150	135	15
23	165	145	185	140	130	160	145	40	(VA)	290	260	325	325	270	185	225	220	225	210	165	160	165	170	185	8
24	155	145	150	135	140	140	125	60	45	55	290	285	275	315	325	330	315	340	65	85	80	100	125	145	7
25	155	160	160	155	150	155	95	175	0	300	300	285	275	280	280	290	250	155	160	165	160	170	170	155	A
26	140	115	145	165	175	160	155	240	325	290	320	280	280	255	270	305	350	45	70	160	155	180	150	160	A
27	165	160	165	160	150	135	120	100	320	140	150	0	(VA)	240	0	330	330	0	30	120	155	150	150	150	8
28	160	150	140	135	150	50	120	0	285	285	300	(VA)	175	285	285	285	285	310	295	310	155	155	150	130	14
29	125	145	150	165	155	120	95	60	330	300	270	265	275	160	340	65	295	270	280	(VA)	75	270	165	145	(VA)
30	210	120	135	160	150	140	110	85	40	300	290	280	285	290	310	320	325	310	290	210	90	165	160	160	14
31	165	160	175	160	145	150	145	80	35	10	40	40	90	310	105	(VA)	290	305	305	240	240	220	165	170	A
PV	8	8	8	7	8	A	7	4	14	14	14	14	14	13	14	15	14	15	14	8	A	A	A	8	8

WIND DIRECTION (CC114)

WHITE RIVER SMALE PROJECT, #139
ROMANZA, UTAH
SITE 6

LEVEL HEIGHT 120 METERS

JUL, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ENE	NE	ESE	E	W	NNE	WSW	W	W	WNW	WNW	W	S	WNW	WNW	W	WNW	S	SSE	SSE	S	S	S	SE	W
2	SE	E	SE	ENE	N	SSE	WSW	SE	WSW	SSE	WNW	E	SE	WNW	WNW	W	WNW	N	SE	SSE	SSE	S	S	SE	W
3	SE	SE	SE	ESE	S	ESE	ESE	E	NW	WNW	WNW	NW	W	SW	WNW	W	SSW	SSW	SSW	SSW	S	NNW	E	SE	W
4	ESE	ENE	ENE	ENE	E	ESE	E	ENE	NE	SW	WNW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ENE
5	SE	ESE	E	ESE	SE	SSE	SE	NE	NNW	WNW	WNW	NW	WNW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW
6	SE	SSE	SE	SE	SE	SE	ESE	ENE	NNE	N	WNW	[VA]	NW	NW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
7	SSE	SSE	SSE	SE	SE	SE	E	NE	W	ESE	WNW	[VA]	S	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSE
8	S	S	SSE	WSW	W	S	SSE	WSW	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSE
9	SE	SSE	SSE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	[VA]	N	NNW	NE	NE	NE	NE	NE	NE	NE	NE	[VA]
10	S	S	SSE	SSE	SE	SSE	SE	E	N	W	NNW	NNW	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSE
11	SE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	WNW	NNW	NNW	NNW	NNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
12	SSE	SSE	SE	SSE	[VA]	[VA]	SE	S	SSE	SW	W	NW	SSE	S	S	W	W	W	W	W	W	W	W	W	SSE
13	NE	N	S	SSE	E	SSE	SSE	SE	S	S	SSW	NW	W	W	W	W	W	W	W	W	W	W	W	W	SSE
14	E	ENE	NE	ESE	SE	SSE	SSE	[VA]	WSW	W	WNW	SW	SW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSE
15	S	SSE	SSE	SSE	S	SSE	ESE	[VA]	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
16	S	SSE	SSE	SSE	SSE	SSE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
17	SSE	SSE	SE	SSE	SE	SE	ESE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
18	SSE	SSW	SE	ESE	E	SE	W	W	NW	[VA]	[VA]	W	W	W	W	W	W	W	W	W	W	W	W	W	SSE
19	S	W	[VA]	SSE	SE	SSE	ESE	[VA]	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
20	SSE	SSE	SSE	SSE	SSE	S	W	NNW	NNW	NNW	NNW	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
21	SSE	SSE	SSE	SSE	SSE	SSE	S	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
22	SSE	S	S	SE	SE	SE	SE	ENE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
23	SSE	SE	S	SE	SE	SE	SE	ENE	NE	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	SSE
24	SSE	SE	SE	SE	SE	SE	SE	ENE	NE	WNW	WNW	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
25	SSE	SSE	SSE	SSE	SSE	SSE	E	S	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
26	SE	ESE	SE	SSE	S	SSE	SSE	WSW	NNW	NNW	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	SSE
27	SSE	SSE	SSE	SSE	SSE	SSE	ESE	E	NW	SE	ESE	[VA]	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
28	SSE	SSE	SE	SE	SE	SE	ESE	N	NNW	NNW	NNW	[VA]	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
29	SE	SE	SSE	SSE	ESE	ESE	E	ENE	NNW	NNW	NNW	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
30	SSW	ESE	SE	SSE	SE	SE	E	E	NNW	NNW	NNW	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
31	SSE	SSE	S	SSE	SE	SSE	SE	E	NE	N	NE	NE	E	NNW	ESE	[VA]	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE
PV	SSE	SSE	SE	SSE	SSE	SSE	SE	ENE	NNW	NNW	NNW	W	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE

WIND DIRECTION (CC1161)
 DEGREES
 LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 AUG. 1980
 AERDVIROINMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	170	165	165	155	150	140	120	95	240	35	285	280	290	300	275	210	225	180	195	80	90	165	160	145	A
2	145	140	120	135	155	160	150	140	225	270	285	250	275	250	255	265	255	270	310	310	290	245	210	175	14
3	165	165	135	145	145	160	165	305	340	270	275	280	275	300	300	300	300	300	310	310	300	280	255	240	14
4	165	105	150	145	145	130	135	105	0	290	275	275	290	290	275	265	270	285	295	290	290	280	170	165	13
5	160	150	135	140	150	155	155	235	315	270	290	280	290	305	295	240	235	235	230	225	175	155	170	310	A
6	35	0	210	155	155	155	155	75	355	300	310	310	235	235	225	230	335	340	215	120	155	160	165	265	11
7	155	160	160	190	150	145	150	95	355	310	315	285	310	305	(VA)	350	335	340	215	120	155	160	145	150	A
8	170	170	195	170	165	170	145	200	275	325	300	280	285	280	260	230	260	205	260	220	170	150	275	90	9
9	160	165	190	180	165	170	135	185	220	255	280	290	290	270	265	270	285	275	305	335	110	160	150	160	A
10	160	155	165	170	160	155	155	180	65	280	275	290	285	295	290	290	280	305	305	305	315	(VA)	155	160	14
11	170	165	165	165	160	160	160	170	290	280	295	300	305	335	270	290	255	285	335	25	145	165	155	160	8
12	145	145	155	145	90	150	125	75	65	205	260	290	295	280	(VA)	135	320	(VA)	125	130	155	160	155	150	7
13	(VA)	75	120	145	125	150	135	(VA)	(VA)	290	300	300	300	300	300	165	215	0	60	130	295	140	170	200	7
14	130	150	180	(VA)	145	160	155	150	(VA)	300	285	310	275	265	175	170	190	230	280	255	165	130	60	(VA)	A
15	320	170	(VA)	175	170	155	160	(VA)	110	(VA)	285	15	135	165	250	305	305	300	160	160	170	155	150	150	A
16	155	155	150	150	160	135	145	140	65	300	290	290	295	260	295	295	340	5	35	60	80	115	90	A	
17	125	155	160	165	160	160	150	130	295	335	305	280	275	280	175	175	(VA)	335	265	230	190	160	165	170	8
18	165	170	165	150	145	125	135	75	45	275	225	205	185	190	215	195	200	200	200	190	145	140	165	160	9
19	170	190	170	170	165	160	170	195	210	230	230	220	250	295	300	310	295	290	265	240	265	305	305	300	14
20	125	165	160	165	165	165	165	170	240	285	265	300	270	290	280	255	(VA)	100	45	75	135	180	150	155	A
21	150	140	145	145	150	150	150	115	335	300	285	320	290	275	275	290	320	325	45	110	160	150	150	150	A
22	145	140	140	160	155	155	150	90	(VA)	55	5	170	230	220	190	200	215	215	210	205	170	155	175	140	A
23	160	135	350	140	180	315	350	40	200	225	270	255	165	155	155	275	60	165	150	145	140	155	150	170	A
24	190	40	95	75	155	100	155	140	145	260	270	275	290	285	215	180	180	195	210	0	190	155	165	170	9
25	5	145	155	160	130	120	140	105	100	100	(VA)	285	215	355	330	320	(VA)	160	205	170	150	160	160	135	7
26	155	170	170	160	165	160	140	130	90	95	(VA)	245	5	305	280	285	275	170	215	100	55	145	160	155	A
27	145	155	150	155	155	155	155	125	10	295	295	315	275	215	240	215	220	215	165	180	135	150	20	95	A
28	140	155	95	140	135	125	130	60	55	335	260	260	220	220	235	225	220	205	190	160	170	175	190	180	9
29	180	200	205	190	195	195	55	355	330	290	220	235	200	185	195	200	190	180	180	165	155	220	255	265	10
30	295	(VA)	130	155	120	75	45	35	10	(VA)	95	300	285	290	245	260	270	255	295	295	300	255	145	145	14
31	140	165	160	160	150	150	165	150	135	295	305	330	305	305	310	295	320	335	325	340	65	95	155	160	(VA)
PV	8	8	8	8	8	8	8	7	16	14	14	14	14	14	14	14	13	11	10	(VA)	8	8	9	8	A

WIND DIRECTION (CC116)

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE

LEVEL HEIGHT : 20 METERS

AUG. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SSE	SSE	ESE	E	WSW	NE	WNW	W	WNW	W	SSW	SW	S	SSW	E	E	E	SSE	SSE	SE	SSF
2	SE	SE	ESE	SE	SSE	SSE	SE	SE	SW	W	WNW	W	W	W	WSW	WSW	W	W	NW	NW	WNW	W	WSP	WSW	W
3	SSE	SSE	SSE	SE	SSE	SSE	SE	ESE	N	WNW	W	W	WNW	W	W	W	WNW	WNW	NW	NW	WNW	W	WSP	WSW	W
4	SSE	ESE	SSE	SE	SE	SE	SE	ESE	N	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
5	SSE	SSE	SSE	SE	SSE	SSE	SSE	SE	NW	W	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
6	NE	N	SSW	SSE	SSE	SSE	SSE	ENE	W	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
7	SSE	SSE	SSE	S	SSE	SSE	SSE	E	N	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
8	S	S	SSW	S	SSE	SSE	SE	SSW	W	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
9	SSE	SSE	S	SSE	S	SSE	S	S	SSW	W	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
10	SSE	SSE	SSE	S	SSE	SSE	SSE	S	E	W	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
11	S	SSE	SSE	SSE	SSE	SSE	SSE	S	W	W	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
12	SE	SE	SSE	SE	E	SSE	SE	ENE	ENE	SSW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
13	(VA)	ENE	ESE	SE	SE	SSE	SE	(VA)	(VA)	WNW	WNW	WNW	WNW	W	(VA)	SE	NW	(VA)	SE	SE	SE	SSE	SSE	SE	SE
14	SE	SSE	S	(VA)	SE	SSE	SSE	(VA)	ESE	(VA)	WNW	W	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
15	NW	S	(VA)	S	S	SSE	SSE	(VA)	ESE	(VA)	WNW	W	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
16	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	ENE	WNW	W	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
17	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ENE	ENE	WNW	W	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
18	SSE	S	SSE	SSE	SE	SE	SE	ENE	ENE	W	WNW	W	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
19	S	S	S	S	SSE	SSE	SSE	SSE	W	W	WNW	W	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
20	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
21	SSE	SE	SE	SE	SSE	SSE	SSE	ESE	W	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
22	SE	SE	SE	SSE	SSE	SSE	SSE	E	(VA)	NE	W	S	W	W	S	S	N	ENE	SE	W	W	SSE	SSE	SE	SE
23	SSE	SE	N	SE	S	NW	N	NE	SSW	SW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
24	S	NE	NE	ENE	SSE	E	SSE	SE	SE	W	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
25	N	SE	SSE	SSE	SE	ESE	SE	ESE	E	(VA)	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
26	SSE	S	S	SSE	SSE	SSE	SE	SE	E	(VA)	WSW	N	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
27	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	N	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
28	SE	SSE	E	SE	SE	SE	SE	ENE	NE	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
29	S	SSW	SSW	SSW	W	SSW	NE	N	WNW	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
30	WNW	(VA)	SE	SSE	ESE	ENE	NE	N	(VA)	E	WNW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
31	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	WNW	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	WNW	WNW	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	W	WSP	WSW	W

WIND DIRECTION 1CC1161
 DEGREES
 LEVEL HEIGHT 1 20 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 SEP. 1980
 AERODIVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR ELDCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	165	155	160	165	155	150	125	180	345	295	255	290	290	290	290	320	0	65	100	165	145	160	165	A
2	165	155	150	140	130	160	145	120	40	345	305	290	285	275	235	245	240	240	220	170	160	165	160	165	A
3	120	210	240	40	115	160	165	165	280	310	295	245	300	255	295	290	295	290	295	295	190	165	170	155	14
4	150	155	150	150	145	150	150	145	105	275	305	265	240	280	300	310	280	255	340	130	160	145	150	160	A
5	155	155	155	160	155	145	155	145	145	145	300	340	345	305	330	315	320	310	350	90	160	155	170	140	A
6	145	170	175	155	145	145	125	180	195	225	265	275	275	205	220	280	295	330	345	190	160	160	155	160	A
7	180	180	170	140	160	160	155	145	275	280	280	100	150	350	0	345	141	130	205	140	155	135	150	165	A
8	270	175	160	160	150	150	170	270	285	275	280	235	195	115	140	190	275	15	20	270	15	130	160	160	A
9	155	155	180	180	270	141	160	170	130	105	100	70	45	45	40	45	50	20	305	280	275	275	285	270	A
10	270	290	15	0	350	315	205	90	325	40	285	280	235	230	160	195	135	65	225	225	190	155	160	200	10
11	175	145	160	145	140	125	130	0	255	200	215	235	235	240	235	240	265	260	290	250	215	180	175	170	11
12	160	155	170	175	135	130	115	120	110	275	295	0	285	295	295	250	140	150	141	115	140	160	175	160	A
13	155	155	160	180	140	150	145	150	270	325	141	195	190	185	195	175	210	200	190	160	165	160	160	165	A
14	165	145	160	145	125	105	140	130	115	225	180	230	280	300	300	310	300	320	25	160	155	160	160	145	7
15	155	140	135	150	160	155	160	95	345	350	270	290	295	285	260	270	255	230	220	205	185	210	140	150	A
16	160	150	255	120	155	175	165	125	5	280	290	280	280	280	275	270	275	285	280	275	270	250	205	195	13
17	170	165	160	160	155	150	165	155	95	141	260	270	260	255	265	275	220	285	275	185	165	165	170	165	A
18	160	145	150	130	140	145	145	125	65	10	300	320	290	265	195	195	200	185	180	175	180	190	190	185	9
19	175	180	185	190	190	185	185	185	190	210	215	240	240	235	230	265	325	300	141	315	355	5	260	50	9
20	100	330	65	160	155	155	135	135	115	330	295	340	305	270	280	285	290	250	245	205	160	155	160	150	A
21	135	150	130	105	125	90	165	215	20	290	295	290	290	290	295	290	275	295	315	325	320	130	145	205	14
22	141	285	235	275	225	141	235	245	295	0	30	345	260	240	295	280	300	315	15	140	155	150	155	150	14
23	155	145	150	145	135	125	130	125	45	300	280	275	265	280	290	270	340	5	30	140	160	165	141	160	7
24	165	155	155	170	155	140	140	105	120	100	280	275	285	285	285	285	285	50	90	155	155	150	150	150	A
25	150	145	155	155	160	165	175	195	275	295	305	280	275	285	265	285	305	315	345	155	155	150	145	155	A
26	155	150	150	145	135	130	155	140	141	305	305	275	295	295	280	285	335	5	85	155	155	155	160	155	A
27	150	140	145	135	130	130	85	145	141	320	325	320	295	270	280	315	350	330	95	160	155	155	155	140	7
28	150	150	150	140	125	110	150	80	105	340	315	290	285	305	295	280	260	205	195	160	160	165	165	165	A
29	165	165	155	150	120	155	145	110	90	15	315	300	285	260	265	330	315	330	50	145	160	155	155	155	A
30	145	150	140	135	130	150	145	125	115	0	335	290	285	275	275	345	350	335	100	175	170	165	165	160	A
PV	8	A	8	8	7	8	8	7	6	16	14	13	14	13	14	14	14	14	16	2	8	A	A	A	A

WIND DIRECTION (CC116)

LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

SEP, 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA
* AS OF 31/MAR/81
*
*.....

CLCK HOUR LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	S	NNW	NNW	WSW	WNW	WNW	WNW	NNW	N	ENE	E	SSE	SE	SSE	SSE	SSE	SSE
2	ESE	SSE	SSE	SE	SE	SE	ESE	NE	NE	NNW	NNW	NNW	NNW	W	WSW	WSW	WSW	WSW	SW	S	SSE	S	(VA)	(VA)	SSE
3	ESE	SSE	SSE	NE	ESE	SSE	SSE	ESE	W	NNW	NNW	WSW	NNW	WSW	NNW	NNW	NNW	NNW	NNW	WSW	SSE	SSE	SSE	SSE	NNW
4	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	NNW	NNW	WSW	NNW	WSW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	SSE
5	SSE	SSE	SSE	SSE	SSE	SSE	SE	(VA)	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	SSE
6	SE	S	S	SSE	SE	SE	SE	SE	SW	SW	W	W	W	SSW	SW	W	NNW	NNW	NNW	S	SSE	SSE	SSE	SSE	SSE
7	S	S	S	SE	SSE	SSE	SE	SE	W	W	W	E	SSE	N	N	NNW	(VA)	SE	SSW	SE	SSE	SSE	SSE	SSE	SSE
8	W	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NNE	SE	SSE	SSE	SSE
9	SSE	SSE	SSE	SSE	SSE	SSE	W	(VA)	SSE	SSE	SSE	ENE	NE	NE	NE	NE	NE	NE	NE	W	W	W	W	W	W
10	W	NNW	NNE	N	N	NNW	SSW	E	NNW	NE	NNW	W	SW	SW	SSW	SE	ENE	SW	SW	S	SSE	SSE	SSW	SSW	
11	S	SE	SSE	SE	SE	SE	SE	SE	W	WSW	SSW	SW	SW	WSW	WSW	W	W	W	W	W	WSW	SW	S	S	S
12	SSE	SSE	SSE	S	SE	SE	ESE	ESE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	(VA)	ESE	SE	SSE	S	SSE	SSE	SSE
13	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	W	NNW	(VA)	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SE	SSE	SE	SE	SE	SE	ESE	SW	SW	S	SW	W	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SE	SE	SSE
15	SSE	SE	SSE	SE	SE	SE	SE	ESE	SW	SW	S	SW	W	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SE	SE	SSE
16	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	S	SSE	SE	SSE	SSE	SSE	SSE	SE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	S	SSE	SE	SSE	SSE	SSE	SE	ENE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	S	S	S
19	S	SSE	SE	SSE	SSE	SSE	SE	ENE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	S	S	S
20	E	NNW	ENE	SSE	SSE	SE	SE	SE	S	SSE	SW	WSW	WSW	SW	SW	W	NNW	(VA)	NNW	N	N	N	N	N	N
21	SE	SSE	SE	SE	SE	E	SSE	SW	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	SSE	SSE
22	(VA)	WNW	SW	W	SW	(VA)	SW	WSW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	SSE	NNW
23	SSE	SE	SSE	SE	SE	SE	SE	SE	NE	NNW	N	W	W	W	W	W	W	W	W	SE	SSE	SSE	(VA)	SSE	SE
24	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	SE	SSE	SSE	SSE	SSE	SSE
25	SSE	SE	SSE	SE	SE	SE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	SE	SSE	SSE	SSE	SSE	SSE
26	SSE	SE	SE	SE	SE	SE	SE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SSE	SSE	SSE	SSE	SSE
27	SSE	SE	SE	SE	SE	SE	SE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SSE	SSE	SSE	SSE	SSE
28	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SSE	SSE	SSE	SSE	SSE
30	SE	SSE	SE	SE	SE	SE	SE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	E	S	S	SSE	SSE	SSE
PV	SSE	SSE	SSE	SSE	SE	SSE	SE	ESE	NNW	NNW	W	W	W	W	W	W	W	NNW	NNW	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 OCT. 1980
 AEROENVIRONMENT INC.

WIND DIRECTION (CC:161)
 DEGREES
 LEVEL HEIGHT : 20 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	150	130	110	140	140	105	100	65	355	275	300	320	195	285	255	295	30	105	125	155	175	135	355	7
2	125	95	140	0	150	110	90	85	85	55	55	40	70	5	90	0	170	40	90	165	155	160	155	160	8
3	135	130	130	130	145	145	120	160	70	295	315	290	315	350	305	270	200	120	130	155	160	165	165	160	7
4	155	145	135	145	135	105	135	150	90	1VA1	310	295	280	285	295	330	215	125	155	145	150	160	155	155	7
5	150	150	150	145	135	135	140	110	70	285	295	270	290	220	330	260	305	295	40	150	150	160	160	155	A
6	175	155	160	160	150	145	125	5	355	315	330	315	330	330	330	265	240	255	180	155	150	145	145	145	A
7	145	140	130	135	140	145	110	150	100	380	305	300	295	295	300	320	295	305	125	155	165	155	155	155	7
8	145	150	140	140	145	125	140	115	105	80	300	300	305	275	295	1VA1	70	35	120	170	150	165	155	160	7
9	155	145	130	115	115	125	140	135	65	280	305	285	265	295	325	310	290	155	150	140	165	165	155	155	7
10	150	160	280	190	160	155	140	90	1VA1	0	55	40	65	0	1VA1	295	315	300	25	145	165	170	155	160	A
11	155	150	135	150	145	130	145	145	105	330	305	300	280	270	270	245	260	185	170	100	130	190	255	345	7
12	15	340	60	70	115	80	100	25	340	245	270	195	285	275	190	160	130	155	170	1VA1	255	265	165	130	8
13	135	230	270	25	115	60	60	60	55	290	285	250	295	285	1VA1	150	120	135	160	210	295	325	205	155	14
14	140	145	150	155	190	150	155	170	1VA1	10	65	295	60	55	90	35	65	150	150	250	305	55	215	125	8
15	140	110	160	40	140	175	180	115	85	160	150	155	150	195	145	165	145	160	115	60	60	35	60	5	7
16	310	350	110	265	265	255	325	45	55	80	70	50	20	10	25	5	250	215	250	235	260	265	265	275	12
17	280	300	0	155	160	165	175	175	215	240	255	270	265	285	285	270	225	270	270	265	255	200	165	170	13
18	170	170	170	165	155	170	165	170	175	170	1VA1	1VA1	270	180	1VA1	320	255	135	145	160	160	160	150	150	8
19	145	120	125	135	140	135	140	135	100	315	260	290	295	315	295	305	295	315	120	155	170	150	150	140	7
20	150	140	145	145	135	130	155	150	120	20	310	260	275	315	275	295	1VA1	0	110	160	140	135	140	145	7
21	145	150	140	140	155	120	85	165	120	40	340	295	285	245	285	270	220	15	135	170	175	160	175	170	A
22	165	165	100	145	140	140	180	195	235	270	265	260	270	280	280	285	285	320	335	350	0	15	20	14	14
23	110	165	155	135	30	70	40	300	80	70	50	15	35	150	215	1VA1	315	0	85	155	160	155	150	140	A
24	140	140	140	150	150	105	135	145	145	1VA1	345	320	345	285	270	310	300	285	230	165	165	155	160	155	7
25	150	145	150	145	155	160	145	115	85	285	280	300	305	285	325	310	65	1VA1	165	160	160	160	140	135	7
26	125	150	155	145	90	95	1VA1	135	1VA1	1VA1	315	275	285	275	270	275	1VA1	65	60	315	275	255	275	160	13
27	130	155	160	150	160	195	190	150	100	50	70	70	65	60	50	50	55	50	55	50	25	30	5	25	3
28	65	110	205	260	110	160	245	1VA1	125	270	305	315	1VA1	35	340	10	65	115	155	150	155	155	150	150	A
29	140	140	125	100	130	115	90	135	105	105	325	0	295	270	255	320	330	310	100	175	165	160	150	145	7
30	125	145	120	120	150	140	135	120	145	290	310	320	300	265	1VA1	295	255	325	155	165	155	155	160	150	7
31	150	150	85	140	150	155	150	135	50	105	270	295	305	290	305	325	305	205	155	155	160	155	160	160	A
PV	8	7	7	7	7	7	7	7	5	14	15	14	14	14	14	15	14	14	14	8	8	8	8	8	7

ABOUT (21 JAN 81)

WIND DIRECTION (CC116)

LEVEL HEIGHT : 20 METERS

WHITE RIVER SHALE PROJECT, #119
BONANZA, UTAH
SITE 6

OCT, 1980

AEROVIRONMENT INC.

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* * * * *
* * * * * FINAL DATA
* * * * * AS OF 31/MAR/81
* * * * *
* * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	ESE	SE	SE	ESE	E	E	N	W	WNW	NW	SSW	WNW	WSW	WNW	NNE	ESE	SE	SSE	S	SE	N	SE
2	SE	E	SE	ESE	SE	ESE	ESE	E	E	NE	W	WNW	ENE	N	E	N	SSW	ENE	E	ESE	SSE	SSE	SSE	SSE	SSE
3	SSE	SE	SE	SE	SE	SE	ESE	SSE	ESE	ENE	WNW	WNW	NW	N	NW	W	SSW	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE
4	SSE	SE	SE	SE	SE	SE	ESE	SSE	ESE	(VA)	WNW	WNW	NW	WNW	WNW	NNW	SW	SE	SSE	SSE	SE	SSE	SSE	SSE	SE
5	SSE	SSE	SE	SE	SE	SE	SE	ESE	ENE	WNW	WNW	W	WNW	SW	W	W	NW	WNW	NE	SSE	SSE	SSE	SSE	SSE	SSE
6	S	SSE	SSE	SSE	SSE	SSE	SE	SE	N	N	N	NW	NW	NW	NW	W	WSW	WSW	S	SSE	SSE	SSE	SSE	SSE	SSE
7	SE	SE	SE	SE	SE	SE	ESE	ESE	E	NW	NW	WNW	WNW	WNW	WNW	NW	NW	NW	NE	SSE	SSE	SSE	SSE	SSE	SSE
8	SE	SE	SE	SE	SE	SE	SE	SE	ENE	W	NW	WNW	WNW	WNW	WNW	(VA)	ENE	NE	ESE	S	SSE	SSE	SSE	SSE	SSE
9	SSE	SE	SE	ESE	ESE	ESE	SE	SE	ENE	W	NW	WNW	W	WNW	NW	NW	NW	WNW	SSE	SSE	SE	SSE	SSE	SSE	SE
10	SSE	SSE	W	SSE	SSE	SE	SE	SE	ESE	ENE	N	NE	ENE	N	(VA)	WNW	NW	NW	NNE	SE	SSE	S	SSE	SSE	SSE
11	SSE	SSE	SE	SE	SE	SE	SE	SE	ESE	NNW	NW	WNW	W	W	W	WSW	W	S	E	SE	S	SSE	SSE	SSE	SSE
12	NNE	NNW	ENE	ENE	ESE	E	ENE	ENE	NNW	WSW	W	SSW	WNW	W	S	SSE	SE	SE	S	(VA)	WSW	W	SSW	SSE	SSE
13	SE	SW	W	ENE	ESE	ENE	ENE	ENE	NE	WNW	WNW	WNW	WNW	WNW	(VA)	SSE	ESE	SE	SSE	SSE	WNW	W	SSW	SSE	SSE
14	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	N	ENE	WNW	ENE	NE	E	NE	ENE	SSE	SSE	WSW	NW	NE	SW	SE	SSE
15	SE	ESE	SSE	NE	SE	S	ESE	E	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	ESE	ESE	ENE	NE	ENE	N	SSE
16	WNW	N	ESE	W	W	WSW	NW	NE	E	ENE	NE	ENE	ENE	N	NNE	N	WSW	SW	WSW	SW	W	W	W	W	WSW
17	W	WNW	N	SSE	SSE	SSE	SSE	S	SW	WSW	WSW	W	WNW	W	W	W	WSW	W	W	W	WSW	SSE	S	W	W
18	S	S	S	SSE	SSE	S	SSE	S	S	(VA)	(VA)	W	W	S	(VA)	NW	WSW	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE
19	SE	ESE	SE	SE	SE	SE	SE	SE	E	NW	W	WNW	WNW	WNW	WNW	WNW	WNW	SE	ESE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SE	SE	SE	SE	SE	SSE	SSE	ESE	ENE	NW	WNW	WNW	WNW	WNW	WNW	WNW	NW	ESE	SSE	SSE	SSE	SSE	SSE	SSE
21	SE	SSE	SE	SE	SE	SE	ESE	E	SSE	ENE	NNW	WNW	W	W	WNW	(VA)	N	N	FSE	SSE	SE	SE	SE	SE	SSE
22	SSE	SSE	E	SE	SE	SE	SE	SSE	SSE	SW	W	W	W	W	W	W	SW	NNE	SE	S	S	S	S	S	SSE
23	ESE	SSE	SSE	SE	NNE	ENE	NE	NNW	E	ENE	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	N	N	NNE	NNE	WNW
24	SE	SE	SE	SE	SSE	ESE	SE	SE	SE	(VA)	NNW	NW	NNW	W	NW	NNW	NNW	WNW	SW	SSE	SSE	SSE	SSE	SSE	SSE
25	SSE	SE	SSE	SE	SE	SE	SE	ESE	E	NNW	W	WNW	WNW	WNW	WNW	WNW	WNW	ENE	(VA)	SSE	SSE	SSE	SSE	SSE	SSE
26	SE	SSE	SSE	SE	E	E	(VA)	(VA)	(VA)	WNW	W	W	W	W	W	W	(VA)	ENE	ENE	NNW	W	W	W	W	W
27	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	ENE	ENE	ENE	ENE	ENE	ENE	(VA)	ENE	ENE	NNW	W	W	W	W	W
28	ENE	ESE	SSE	W	ESE	SSE	WSW	(VA)	SE	W	NW	NW	(VA)	NE	NNW	N	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SE	SE	SE	E	SE	ESE	E	SE	ESE	NNW	N	WNW	W	W	WSW	NW	NNW	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE
30	SE	SE	ESE	ESE	SE	SE	SE	SE	SE	NNW	NW	WNW	W	W	(VA)	WNW	WSW	NW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
31	SSE	SSE	E	SE	SSE	SSE	SSE	SE	NE	ESE	W	WNW	WNW	WNW	WNW	WNW	NW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SE	SE	SE	SE	SE	SE	SE	E	WNW	NW	WNW	WNW	WNW	WNW	NW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 NOV, 1980
 AEROSCIENCE INC.

WIND DIRECTION (CCII)A
 DEGREES
 LEVEL HEIGHT : 20 METERS

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 *
 * FINAL DATA
 * AS OF 31/MAR/81
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 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	140	135	150	140	110	160	150	95	40	310	305	305	255	(VAI)	240	265	75	145	160	150	155	135	105	7
2	145	155	135	135	130	40	95	155	110	225	250	195	345	40	260	270	335	310	120	155	160	135	150	150	7
3	115	120	130	140	130	125	90	105	115	35	(VAI)	220	295	295	230	285	310	50	110	165	170	160	160	160	6
4	160	145	140	135	95	120	115	110	175	330	300	295	275	275	310	20	345	0	100	155	160	160	150	145	7
5	150	155	155	130	130	120	150	135	120	10	325	330	295	295	300	300	270	250	180	155	160	160	155	155	A
6	155	145	155	155	120	75	115	130	175	155	295	295	325	280	255	300	255	345	170	170	(VAI)	160	160	165	A
7	265	(VAI)	105	140	95	125	90	75	130	(VAI)	305	285	255	275	240	225	225	170	170	160	100	40	(VAI)	295	(VAI)
8	290	258	240	225	225	235	225	220	225	275	295	300	285	290	290	295	295	270	200	165	170	165	150	150	14
9	130	140	170	145	155	135	155	150	100	(VAI)	350	315	270	275	285	270	265	90	155	120	150	140	145	140	7
10	125	145	145	145	140	110	105	125	95	(VAI)	285	305	270	275	285	280	110	155	150	150	155	150	150	140	7
11	125	145	145	75	115	80	115	145	95	325	345	350	280	(VAI)	165	300	155	195	175	195	225	(VAI)	340	7	
12	305	75	160	160	155	190	180	170	75	(VAI)	195	190	205	235	170	170	170	270	290	55	145	170	200	85	9
13	150	105	170	70	65	75	80	85	75	75	60	75	60	60	60	70	80	60	60	75	80	45	80	75	5
14	80	85	95	105	100	105	85	80	90	80	75	45	50	65	30	85	40	40	60	60	85	95	190	150	5
15	150	165	160	160	150	160	155	155	150	275	285	320	310	345	40	45	60	70	35	40	40	95	65	75	(VAI)
16	70	45	310	(VAI)	130	185	150	250	255	285	50	95	80	240	250	265	305	335	45	110	160	155	280	330	12
17	245	160	160	175	160	160	155	135	130	100	95	295	300	255	230	250	140	30	135	170	155	155	140	150	17
18	140	140	150	155	155	115	125	160	145	(VAI)	285	270	280	270	325	290	340	45	170	155	155	140	155	150	A
19	150	155	150	150	125	90	155	100	110	(VAI)	290	295	310	300	260	270	270	10	115	170	170	160	160	155	A
20	160	120	150	145	120	120	120	135	150	(VAI)	310	295	270	305	320	275	270	65	165	160	150	140	135	140	7
21	140	120	150	95	145	125	80	95	175	240	250	305	290	280	275	265	320	(VAI)	165	160	140	130	90	130	7
22	140	95	350	80	155	75	45	25	90	(VAI)	35	5	350	10	305	250	145	155	150	140	155	160	165	160	A
23	145	145	155	140	155	150	150	150	145	145	305	305	300	340	315	325	5	5	155	215	170	(VAI)	345	0	8
24	(VAI)	345	340	35	5	325	320	280	275	270	265	265	280	200	155	250	330	35	45	(VAI)	(VAI)	35	105	180	13
25	165	130	150	195	150	205	225	(VAI)	180	265	265	285	270	290	255	275	190	160	150	155	140	160	(VAI)	40	A
26	170	155	165	140	145	145	155	140	115	165	(VAI)	290	280	270	265	265	145	125	155	170	160	140	155	145	A
27	125	125	140	105	110	155	95	155	145	155	290	305	5	15	320	225	275	260	215	135	150	155	150	145	7
28	140	155	145	145	80	(VAI)	(VAI)	85	165	(VAI)	290	275	285	270	280	280	255	245	160	145	285	130	155	135	7
29	135	15	75	145	115	160	125	125	120	295	260	310	250	280	300	230	160	100	75	(VAI)	115	55	95	150	7
30	120	155	175	100	45	40	20	20	15	345	310	270	280	295	(VAI)	235	230	245	210	50	275	225	200	260	(VAI)
PV	7	7	8	7	7	6	(VAI)	7	6	13	14	14	14	13	14	13	13	13	4	9	8	8	7	4	7

ADOUT (21 JAN 81)

WIND DIRECTION (CC116)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT : 20 METERS

NOV, 1980

AERONAVIGATION INC.

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*
* FINAL DATA *
* AB OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SSE	SE	ESE	SSE	SSE	ESE	E	NE	NW	NW	NW	WSW	(VA)	WSW	WNW	ENE	SE	SSE	SSE	SSE	SE	ESE	SE
2	SE	SSE	SE	SE	NE	E	E	ESE	ESE	SW	WSW	SSW	NW	NE	W	W	NW	NW	ESE	SE	SSE	SSE	SE	ESE	SE
3	ESE	SE	SE	SE	SE	E	E	ESE	ESE	NE	(VA)	SW	WNW	WNW	SW	WNW	NW	NE	ESE	SSE	SSE	SSE	SE	ESE	SE
4	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ENE	NNW	WNW	W	W	NW	NNE	NW	N	E	E	SSE	SSE	SSE	SE	SE	SE
5	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	E	NW	NW	WNW	WNW	WNW	W	WSW	S	S	SSE	SSE	SSE	SE	SE	SE
6	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ENE	SSE	WNW	NW	W	WSW	WNW	WSW	NNW	S	S	SSE	SSE	SSE	SE	SE	SE
7	W	(VA)	ESE	SE	E	SE	E	ENE	SE	(VA)	NW	WNW	WSW	W	WSW	SW	S	S	S	SSE	SSE	SSE	SE	SE	SE
8	NNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
9	SE	SE	SE	SE	SE	SE	SE	SE	SE	(VA)	N	NW	W	W	WNW	W	E	E	ESE	SSE	SSE	SSE	SE	SE	SE
10	SE	SE	SE	SE	SE	SE	SE	SE	SE	(VA)	WNW	NW	W	W	WNW	W	ESE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	NW	NNW	N	W	(VA)	SSE	WNW	SSE	SSE	SSE	SSE	SSE	SE	SE	SE
12	NW	ENE	SSE	SSE	S	S	S	ENE	(VA)	SSW	S	S	SSW	SW	S	S	W	W	W	SSE	SSE	SSE	SE	SE	SE
13	SSE	ESE	SSE	ESE	ENE	ENE	E	E	ENE	ENE	E	E	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E	E
14	E	E	E	E	ESE	E	E	E	E	E	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	WNW	NW	NW	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
16	E/NE	NE	NW	(VA)	SE	S	SSE	WSW	WSW	WNW	NE	E	E	WSW	WSW	W	NW	NNW	E	ESE	SSE	SSE	W	NNW	WSW
17	WSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	WNW	WNW	W	W	WSW	WSW	SE	MNE	SE	S	SSE	SSE	SE	SSE	SSE
18	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	(VA)	WNW	NW	W	W	WNW	W	W	W	W	W	SSE	SSE	SE	SE	SE
19	SSE	SSE	SSE	SSE	E	E	E	ESE	(VA)	WNW	WNW	NW	W	W	WNW	W	N	NE	SE	SSE	SSE	SSE	SE	SE	SE
20	SSE	ESE	SSE	SSE	ESE	ESE	ESE	ESE	SSE	(VA)	WNW	NW	W	W	WNW	W	N	NE	SE	SSE	SSE	SSE	SE	SE	SE
21	SE	ESE	SSE	E	SE	E	E	E	S	WSW	WSW	NW	WNW	W	W	W	N	NE	SE	SSE	SSE	SSE	SE	SE	SE
22	SE	E	N	E	SSE	ENE	NE	NNE	E	(VA)	NE	N	N	N	NW	WSW	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE
23	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	WNW	WNW	WNW	NW	N	N	SSE	SW	S	(VA)	NNW	N	SSE
24	(VA)	NNW	NNW	NE	N	NW	NW	W	W	W	W	W	W	W	WSW	SSE	NNW	NE	(VA)	NE	ENE	ENE	ENE	ENE	ENE
25	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SW	SW	W	W	WNW	WSW	W	S	SSE	SSE	SSE	SSE	SE	SE	SE
26	S	SSE	SE	SE	SE	SE	SE	ESE	ESE	(VA)	WNW	W	W	W	W	W	SE	SE	SSE	SSE	SSE	SSE	SE	SE	SE
27	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SE	WSW	WNW	NW	N	NNE	NW	SW	W	W	W	W	W	W	W	W	W
28	SE	SSE	SE	SE	E	(VA)	(VA)	E	SSE	(VA)	WNW	W	W	W	WSW	WSW	WSW	WSW	SSE	SSE	SSE	SSE	SE	SE	SE
29	SE	NNE	ENE	SE	ESE	SSE	SE	ESE	ESE	WNW	W	NW	WSW	W	WNW	SW	SE	E	ENE	(VA)	(SE	ENE	F	SSE	SE
30	ESE	SSE	S	E	NE	NE	NNE	NNE	NNE	NNW	NW	W	W	WNW	(VA)	SW	SW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
PV	SE	SE	SSE	SE	ESE	(VA)	SE	ESE	W	WNW	WNW	W	W	WNW	W	W	W	ENE	S	SSE	SSE	SSE	SE	SE	SE

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 DEC. 1980
 AEROSOL ENVIRONMENT INC.

WIND DIRECTION (CC)161
 DEGREES
 LEVEL HEIGHT 1 20 METERS

.....
 * FINAL DATA *
 * AS (IF 31/MAR/A) *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	260	270	280	220	(VAL 170	230	245	125	270	(VAL 275	270	245	235	215	220	(VAL 135	155	145	155	145	140	145	120	13	
2	120	145	140	75	(VAL 160	90	125	210	(VAL 275	265	280	225	260	265	270	140	130	100	105	195	105	205	325	7	
3	40	15	150	75	75	180	25	265	(VAL 240	(VAL 20	310	275	190	185	200	195	200	195	190	215	70	10	10	10	
4	110	105	105	40	130	(VAL 50	190	195	195	190	200	205	210	205	200	255	185	180	190	165	165	165	165	9	
5	180	180	170	205	100	165	105	150	20	350	335	270	285	(VAL 245	245	245	245	300	355	140	110	25	13	13	
6	150	40	(VAL 105	160	250	155	275	280	285	(VAL 155	120	40	350	55	105	185	160	(VAL 235	(VAL 20	65	65	65	65	A	
7	185	210	235	180	270	125	100	45	95	55	0	45	10	5	35	50	275	35	65	65	60	50	90	3	
8	105	85	70	40	80	25	335	60	115	345	10	55	305	315	290	255	230	160	160	160	165	155	145	(VAL 3	
9	145	145	130	135	25	180	255	355	280	270	275	285	255	240	240	150	125	155	155	145	150	150	145	A	
10	140	135	135	155	145	155	155	105	125	150	(VAL 330	330	285	265	305	345	25	110	170	165	145	150	155	7	
11	135	60	70	145	150	155	155	170	150	175	250	275	260	280	270	255	225	155	150	160	155	155	155	8	
12	140	150	160	145	140	95	130	150	90	35	285	280	295	260	265	290	50	175	160	145	160	150	155	8	
13	160	155	135	130	135	115	145	130	140	120	300	270	295	300	290	280	310	85	155	150	155	160	155	7	
14	160	155	125	135	100	145	160	115	75	130	(VAL 50	285	280	275	315	320	180	160	160	155	145	155	140	A	
15	135	150	80	90	120	85	115	130	100	85	320	265	270	260	255	5	(VAL 235	275	170	165	160	130	90	5	
16	150	150	145	105	130	140	190	80	95	120	305	240	275	275	265	265	230	165	150	165	165	150	145	8	
17	105	160	125	95	125	145	155	120	145	90	240	305	350	280	295	260	255	150	125	155	175	150	130	7	
18	150	120	140	145	150	130	125	115	105	120	325	300	280	270	270	265	260	140	125	160	125	160	155	A	
19	160	155	160	155	150	150	145	155	160	210	280	0	330	275	275	265	255	240	145	170	150	145	160	155	A
20	150	130	145	135	150	145	140	85	115	135	345	265	270	265	295	275	280	200	160	160	155	150	160	7	
21	155	150	125	165	150	125	90	110	100	150	300	270	275	280	265	280	275	(VAL 160	160	120	20	105	0	(VAL 8	
22	55	145	110	105	125	325	330	120	55	40	15	25	(VAL 215	265	210	175	210	100	50	85	215	255	190	A	
23	115	115	150	170	220	170	145	135	105	175	225	260	255	285	290	255	(VAL 120	150	150	165	160	150	150	A	
24	155	150	130	130	105	140	110	135	135	60	285	305	270	270	260	265	230	160	155	160	120	85	150	A	
25	140	215	75	135	143	125	140	70	100	70	30	250	270	265	260	245	285	185	180	150	150	115	125	7	
26	125	145	85	115	40	170	145	130	155	120	335	320	315	220	330	345	290	155	155	165	160	155	155	7	
27	155	135	150	155	130	140	155	155	190	115	310	300	325	295	245	265	320	110	155	155	155	160	165	A	
28	155	115	165	85	140	60	50	140	175	100	250	320	275	265	285	285	(VAL 160	160	160	150	160	160	150	A	
29	155	160	155	130	140	140	140	115	105	95	(VAL 295	240	300	305	260	270	(VAL 150	160	150	135	145	155	155	7	
30	115	155	150	150	145	150	130	155	145	55	285	325	300	285	265	260	10	140	155	165	160	145	155	7	
31	150	130	140	125	150	130	85	115	75	210	330	280	270	265	265	260	265	(VAL 140	140	155	150	150	145	155	A
PV	7	7	7	7	7	8	7	7	7	6	14	13	14	13	14	13	13	11	7	A	A	A	7	A	7

WIND DIRECTION (CC416)

LEVEL HEIGHT 120 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA, UTAH

SITE 6

DEC. 1980

AEROSOL INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	SW	(VA)	S	SW	WSW	SE	W	(VA)	W	W	WSW	SW	SW	SW	(VA)	SE	SSE	SE	SE	SE	ESE	W
2	ESE	SE	SE	ENE	(VA)	SSE	E	SE	SSW	(VA)	W	W	W	SW	W	W	W	(VA)	SE	SE	ESE	SE	SE	SE	NW
3	NE	NNE	ESE	ENE	ENE	S	NNE	W	SW	(VA)	WSW	(VA)	NNE	NW	NW	W	S	S	SSW	SSW	S	S	S	S	SSW
4	ESE	ESE	ESE	NE	SE	(VA)	NE	W	SSW	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
5	S	S	S	SSW	ESE	SSE	ESE	SSE	NNE	N	NW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	S
6	SSE	NE	(VA)	ESE	SSE	WSW	SSE	W	W	(VA)	W	W	W	W	W	W	W	W	(VA)	SW	(VA)	SW	(VA)	SW	W
7	S	SSW	SW	S	W	SE	E	NE	E	NE	N	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
8	ESE	E	ENE	NE	E	NNE	NW	ENE	ESE	NW	N	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NE
9	SE	SE	SE	SE	NNE	S	WSW	N	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
10	SE	SE	SE	SSE	SE	SSE	ESE	SE	SSE	(VA)	NW	NW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	(VA)
11	SE	ENE	ENE	SE	SSE	SSE	SSE	ESE	S	SSE	S	WSW	W	W	W	W	W	W	W	W	W	W	W	W	SE
12	SE	SSE	SSE	SE	SE	E	SSE	E	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
13	SSE	SSE	SE	SE	SE	ESE	SE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
14	SSE	SSE	SSE	SE	E	SE	SSE	ESE	ENE	SE	(VA)	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE
15	SE	SSE	E	ESE	E	ESE	SE	E	E	NW	W	W	W	WSW	N	(VA)	SW	W	S	SSE	SSE	SSE	SSE	SSE	SE
16	SSE	SSE	SE	SE	SE	S	E	E	ESE	NW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
17	SSE	SSE	SE	E	SE	SE	SSE	ESE	SE	E	WSW	NW	N	W	W	W	W	W	W	W	W	W	W	W	SE
18	SSE	SSE	ESE	SE	SE	SE	SE	ESE	ESE	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
19	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SSW	W	N	NW	W	W	W	W	W	W	W	W	W	W	W	SE
20	SSE	SE	SE	SE	SE	SE	E	ESE	SE	SE	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
21	SSE	SSE	SSE	SSE	SSE	SE	E	ESE	E	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
22	NE	SE	ESE	ESE	SE	NW	NW	ESE	NE	NNE	(VA)	SW	W	SSW	W	SSW	S	SSW	E	NE	E	SW	MSW	S	ESE
23	ESE	ESE	SSE	S	SW	S	SE	SE	ESE	W	SW	W	W	WSW	WSW	(VA)	ESE	SSW	SE	SSE	SSE	SSE	SSE	SSE	SE
24	SSE	SSE	SE	SE	ESE	SE	SE	SE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
25	SE	SE	ENE	SE	SE	SE	SE	ENE	E	ENE	NNE	WSW	N	W	W	W	W	W	W	W	W	W	W	W	SE
26	SE	SE	E	ESE	NE	S	SE	SE	SSE	ENE	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
27	SSE	SE	SSE	SE	SE	SE	SE	SE	SSE	ESE	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
28	SSE	ESE	SSE	E	SE	ENE	NE	SE	S	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
29	SSE	SSE	SSE	SSE	SE	SE	SE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
30	ESE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE
31	SSE	SE	SE	SE	SSE	SE	E	ESE	ENE	SSE	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	SE
PV	SE	SE	SE	SE	SE	SSE	SE	SE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SE

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROENVIRONMENT INC.

WIND DIRECTION (CC:18)
 DEGREES
 LEVEL HEIGHT : 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	160	205	(VA)	130	175	165	165	155	220	85	175	315	335	265	285	280	265	265	220	235	275	240	235	185	13
2	305	175	285	190	285	295	290	325	0	0	25	340	315	280	25	5	325	285	330	270	285	285	255	95	14
3	0	295	5	175	175	170	175	170	170	185	305	315	315	315	280	270	285	285	280	(VA)	(VA)	(VA)	330	300	15
4	250	320	220	195	255	295	320	280	305	280	(VA)	(VA)	330	300	285	295	285	275	285	315	310	5	(VA)	5	14
5	355	50	35	170	205	165	160	140	105	170	170	215	300	0	305	285	60	15	85	130	(VA)	335	150	185	9
6	90	45	355	330	60	55	60	145	170	215	245	280	325	50	55	65	75	75	85	130	160	170	235	125	4
7	50	90	60	35	110	125	230	345	30	70	145	320	(VA)	280	330	35	135	175	165	160	165	120	105	65	7
8	105	135	35	10	20	45	50	105	155	295	320	290	295	185	(VA)	170	170	(VA)	170	210	235	210	240	210	9
9	170	110	140	180	175	130	165	190	180	185	190	190	190	190	190	205	205	215	195	205	185	190	200	195	9
10	185	195	190	195	185	190	195	195	200	200	205	215	215	215	275	285	285	285	275	280	275	285	240	155	10
11	170	160	155	155	160	195	115	210	160	230	(VA)	325	(VA)	150	265	295	35	330	125	280	325	350	345	10	8
12	300	245	105	270	175	285	305	255	275	270	(VA)	295	290	325	305	320	305	290	310	285	305	(VA)	185	165	14
13	20	345	130	165	180	(VA)	85	85	285	(VA)	295	290	290	280	320	305	290	310	180	150	10	250	165	14	14
14	205	195	195	185	175	185	190	230	270	155	150	195	160	175	45	60	55	(VA)	75	100	150	(VA)	220	230	9
15	215	190	160	155	115	150	255	285	280	230	200	300	290	285	0	50	70	55	40	(VA)	285	235	215	115	(VA)
16	140	240	190	180	180	175	170	240	285	75	270	305	305	330	350	0	340	280	225	305	290	320	15	5	15
17	325	125	160	135	80	40	95	180	175	40	75	5	335	305	295	280	330	350	330	155	105	160	160	165	15
18	175	140	145	95	115	(VA)	235	165	235	265	210	325	340	280	275	280	265	260	290	75	90	85	85	90	(VA)
19	80	90	85	75	90	80	85	85	85	95	35	80	95	70	60	50	70	50	80	80	80	60	70	70	4
20	90	145	160	175	170	165	165	160	170	105	195	300	300	310	280	320	350	335	340	255	285	45	170	180	9
21	210	260	230	320	0	35	5	60	315	320	315	345	300	290	(VA)	325	285	290	295	330	325	305	315	330	15
22	325	340	355	345	350	55	95	85	105	95	335	55	315	30	340	320	30	40	85	135	160	155	165	165	16
23	160	120	160	140	95	165	195	85	150	(VA)	310	295	285	305	290	310	275	290	300	295	270	170	240	10	14
24	300	135	95	145	305	65	60	85	150	35	80	345	(VA)	350	310	250	305	300	300	320	280	245	325	295	14
25	310	(VA)	10	350	315	290	355	25	(VA)	325	25	315	245	280	280	325	10	310	175	70	85	80	70	55	15
26	50	50	65	55	35	55	50	55	50	65	330	355	0	40	40	45	55	65	90	65	65	75	50	55	4
27	70	110	20	25	90	100	345	45	60	40	275	275	285	320	320	320	275	285	280	190	280	260	260	90	13
28	50	70	65	70	55	55	45	50	35	55	45	50	40	35	60	45	60	25	25	10	290	240	195	3	3
29	60	35	160	105	345	330	275	315	5	355	310	250	270	270	275	295	405	235	170	(VA)	180	185	245	135	11
30	170	140	165	160	150	150	140	165	120	80	(VA)	5	260	245	110	30	(VA)	340	80	175	175	175	140	170	8
31	140	150	155	160	160	135	135	75	140	(VA)	20	290	250	295	345	295	270	270	290	290	290	245	130	95	4
PV	9	7	8	8	9	8	9	5	9	5	15	15	15	13	13	14	14	14	14	15	14	9	12	9	14

ABOUT (21 JAN 81)

WIND DIRECTION (CC11A)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT 150 METERS

JAN. 1980

AFROVIRONMENT (NC.)

* FJNAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSW	(VA)	SE	S	SSE	SSW	SSW	N	E	S	NW	NNW	W	NNW	W	NW	NW	SW	SW	W	WSW	SW	S	W
2	N	NW	N	S	S	S	N	NW	N	S	NW	NW	NW	N	N	N	NW	NW	W	W	(VA)	WSW	SW	S	W
3	N	NW	N	S	S	S	S	NW	N	S	NW	NW	NW	N	N	N	NW	NW	W	W	(VA)	WSW	SW	S	W
4	WSW	NW	SW	SSW	WSW	NNW	N	W	W	W	(VA)	NNW	NNW	W	NNW	NNW	NNW	W	W	W	N	(VA)	N	NNW	NNW
5	N	NE	NE	S	SSW	SSE	SE	ESE	S	S	SW	NNW	N	N	NW	NNW	NNW	NNW	N	N	NNW	SSE	S	S	S
6	E	NE	N	NNW	ENE	NE	SE	SE	S	SW	WSW	W	NW	NE	NE	ENE	ENE	E	E	SE	SSE	S	SW	SE	E/IE
7	NE	E	ENE	NE	ESE	SE	SW	NNW	NNE	ENE	SE	NW	(VA)	W	NNW	NE	SE	SSE	SSE	SSE	SSE	ESE	ESE	ESE	9F
8	ESE	SE	NE	NNE	NE	NE	ESE	NNW	NW	NNW	NW	NNW	(VA)	S	(VA)	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
9	S	ESE	SSE	SE	S	SE	SSE	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
10	S	SSW	SSW	S	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
11	S	SSE	SSE	SSE	SSE	ESE	SSW	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	NNW	WSW	ESE	W	S	NNW	NNW	WSW	W	W	(VA)	NNW	NNW	W	NNW	NNW	NNW	NNW	SE	W	N	N	N	N	SSW
13	NNE	NNW	SE	SSE	S	(VA)	E	E	W	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	S	SSE	N	WSW	SSE	SSW
14	SSW	SSW	SSW	S	S	S	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	E	SSE	(VA)	S	SSE	NNW
15	SW	S	SSE	SSE	ESE	SSE	WSW	NNW	W	SW	SSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	(VA)	WSW	SW	SSE	(VA)
16	SE	WSW	S	S	S	S	WSW	NNW	ENE	W	ENE	N	NNW	NNW	NNW	NNW	NNW	NNW	W	W	W	W	W	W	NNW
17	NW	SE	SSE	SE	E	NE	E	S	W	ENE	ENE	N	NNW	NNW	NNW	NNW	NNW	NNW	W	W	W	W	W	W	NNW
18	S	SE	E	ENE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	(VA)
19	E	E	E	ENE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	(VA)
20	E	SE	SSE	S	SSE	SSE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E	(VA)
21	SSW	W	SW	NNW	N	NE	N	ENE	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S
22	NW	NNW	N	NNW	N	NE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNW
23	SSE	ESE	SSE	SE	E	SSE	SSW	E	ESE	E	NNW	NE	NNW	NNW	NNW	NNW	NNW	NNW	E	SE	SSE	SSE	SSE	NNW	NNW
24	NNW	SE	E	SE	NW	ENE	ENE	E	SSE	ENE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	W	W	W	W	NNW
25	NW	(VA)	N	N	NNW	NNW	N	NNE	(VA)	NNW	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	W	W	W	W	NNW
26	NE	NE	ENE	NE	NE	NE	NNW	N	ENE	ENE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	ENE	E	E	E	E	NNW
27	ENE	ESE	ENE	ENE	E	E	NNW	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W
28	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W
29	ENE	ENE	SSE	ESE	NNW	NNW	W	NNW	N	N	NNW	WSW	ENE	ENE	ENE	ENE	ENE	ENE	S	(VA)	S	S	S	S	W
30	S	SE	SSE	SSE	SSE	SSE	SE	SSE	ESE	F	(VA)	N	W	WSW	ESE	NNW	NNW	NNW	E	S	S	S	S	S	SSE
31	SE	SSE	SSE	SSE	SSE	SSE	SE	ENE	SSE	(VA)	NNE	NNW	WSW	SSW	NNW	NNW	NNW	NNW	W	W	W	W	W	W	SSE
PV	S	SE	SSE	SSE	SSE	SSE	S	E	S	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

WIND DIRECTION (C.I.P.R)

LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

FEB. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	S	SSE	ESE	(VA)	SSE	ESE	SE	S	(VA)	NW	WSW	NNW	NW	W	W	WSW	NNW	N	W	NE	ENE	S	ENE	S	S	
2	ESE	SSE	S	ENE	S	SW	S	SSE	S	WSW	ENE	SW	NW	WNW	W	WSW	NNW	N	WSW	WSW	N	ESE	NNW	SSE	S	
3	S	(VA)	(VA)	S	N	NNE	W	(VA)	WNW	SW	SW	NW	NW	WNW	W	W	WNW	W	W	WSW	E	N	SSE	SSW	W	
4	NE	E	NE	NNE	S	(VA)	SW	NW	NW	SW	S	NW	WNW	W	W	WNW	W	W	W	S	WNW	SSW	SSE	SSW	W	
5	E	ESE	SSE	E	S	SE	NE	SSW	W	NE	NE	NW	WNW	W	W	WNW	W	W	W	W	(VA)	S	NNE	SE	W	
6	SW	SW	ESE	(VA)	(VA)	N	S	SSE	SSE	NNE	NNW	W	WNW	W	W	W	W	W	W	W	NW	N	SSE	SSE	W	
7	SSE	NE	NNE	WSW	WNW	W	WNW	WNW	W	WSW	W	WNW	WNW	W	(VA)	ENE	NE	N	W	W	NNE	N	SSW	N	W	
8	NE	NE	SSE	SSE	S	S	SSE	S	SSE	S	NW	WNW	WNW	W	W	W	W	W	W	W	SSE	SSE	SSE	S	W	
9	S	S	SSE	SSE	SSE	SSE	SSE	E	ESE	N	WSW	WNW	WNW	W	W	W	W	W	W	W	W	S	S	SSE	W	
10	SE	SE	SE	NE	SSE	S	(VA)	ENE	NW	ENE	SW	WNW	NW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	W	
11	SSE	SSE	SSE	ENE	ESE	SSE	E	SE	ESE	ENE	NNW	NW	WNW	WNW	W	W	W	W	W	W	SSW	SSW	SSW	SSW	W	
12	SSE	SE	SSE	ENE	SSE	SSE	E	E	SE	NNW	NW	WNW	WNW	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	W	
13	NE	SSE	SSE	SE	SE	S	E	SE	(VA)	E	WNW	WNW	WNW	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	W	
14	ENE	WNW	W	(VA)	NNE	ENE	ENE	SE	(VA)	NW	W	WNW	WNW	W	W	W	W	W	W	W	ESE	ENE	ENE	ENE	W	
15	SSE	(VA)	S	E	ESE	SW	(VA)	NE	NW	WSW	W	WNW	WNW	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	W	
16	SSE	SSW	NE	ESE	ENE	SSE	SSE	S	NW	N	SSE	(VA)	N	W	WNW	WNW	W	W	W	W	SSW	SSW	SSW	SSW	W	
17	NW	NW	WNW	SW	WNW	W	WSW	NW	(VA)	W	W	WNW	WNW	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	W	
18	SSE	NW	S	SW	SE	SSW	NW	NNE	ENE	SE	S	W	WNW	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	W	
19	S	SSW	W	S	SSE	ESE	ESE	SSE	SE	SE	NW	SSW	WSW	SW	SSW	S	S	S	S	W	SSW	S	SSE	SSE	W	
20	NE	SE	SSE	SSE	SSE	S	S	SSW	SW	SSE	SSW	S	S	S	SSW	SW	WNW	NW	E	ESE	ENE	SW	N	NNW	S	
21	SSW	W	SSW	WNW	E	(VA)	SE	ESE	SE	N	SSW	S	S	S	SSW	SW	WNW	NW	W	W	SSE	S	SSE	SSE	W	
22	S	N	SE	W	W	S	SSE	S	SW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	NE	NE	NW	NNW	S	SSE	W	
23	SE	SSE	SSE	S	SW	S	ESE	S	WSW	WNW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
24	SSW	SSE	SSE	S	S	SSE	SSE	SSE	SE	(VA)	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
25	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
26	SSE	SSE	SSE	ESE	ESE	SSE	SSE	SSE	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
27	S	SSE	SSE	SE	SE	S	S	ENE	N	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
28	SSE	SSE	SE	SE	SE	S	SSE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
29	WNW	WNW	E	S	SSE	S	SSE	S	SSW	SW	SSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 6
 MAR, 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC) 101
 DEGREES
 LEVEL HEIGHT 8 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR ILOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	80	80	85	95	95	100	105	95	40	310	295	345	340	295	275	260	330	340	40	115	145	175	165	160	5
2	150	155	145	135	155	160	145	165	355	(VA)	300	335	340	305	275	300	320	335	(VA)	135	110	145	150	170	4
3	155	(VA)	110	170	310	55	155	225	30	50	115	210	200	195	195	200	230	165	100	130	160	130	195	205	10
4	210	225	180	190	185	175	165	150	85	130	140	270	280	295	300	300	300	290	290	275	230	210	195	170	9
5	170	170	170	165	155	165	190	305	310	260	225	195	200	190	190	200	190	200	195	195	190	195	195	185	9
6	180	200	230	270	250	165	165	170	130	10	60	325	275	265	285	(VA)	130	225	35	70	70	120	0	150	4
7	195	225	140	0	65	165	255	175	90	155	210	240	265	270	305	275	270	210	255	5	20	30	175	170	12
8	190	230	265	215	175	180	165	170	180	290	275	280	265	275	280	290	290	260	245	240	260	180	220	190	13
9	155	165	195	180	170	175	175	165	185	290	300	275	290	275	245	240	265	255	250	210	175	170	175	170	9
10	180	175	175	165	145	150	135	130	65	(VA)	285	305	310	295	265	290	300	280	195	180	190	170	175	170	9
11	170	160	150	165	165	150	135	160	105	275	(VA)	20	335	290	290	175	180	145	175	175	180	190	175	165	4
12	165	265	270	270	285	290	280	285	280	280	285	280	285	285	280	275	285	300	310	350	30	85	175	170	14
13	160	170	190	175	170	160	145	155	70	5	330	285	275	305	295	290	280	280	110	180	105	145	120	175	9
14	125	130	170	150	145	150	160	145	75	70	350	295	290	290	265	190	190	200	220	180	185	190	140	(VA)	9
15	85	190	225	165	(VA)	345	20	335	275	50	305	250	280	255	240	210	225	215	255	300	195	330	285	290	12
16	300	305	295	315	345	310	30	65	30	345	335	345	345	350	355	10	355	15	15	35	20	(VA)	150	175	14
17	185	175	170	175	155	155	150	125	5	0	0	305	275	190	195	195	265	195	190	180	175	180	175	215	9
18	160	160	155	170	120	105	145	190	(VA)	300	300	305	310	290	285	315	315	330	20	150	170	170	160	165	4
19	160	150	170	155	135	155	160	125	115	(VA)	285	285	280	280	290	285	310	295	295	325	5	45	80	150	14
20	155	155	190	180	170	160	155	135	110	350	320	295	355	330	290	315	(VA)	180	175	170	175	180	165	145	4
21	75	55	60	145	125	125	125	145	125	190	195	195	190	185	210	225	290	315	320	35	60	160	170	165	9
22	155	165	30	105	275	295	(VA)	255	295	280	355	45	95	70	80	90	95	75	80	60	20	45	(VA)	175	5
23	115	140	180	220	25	195	105	120	140	(VA)	60	75	270	285	320	320	265	295	20	115	230	240	200	(VA)	5
24	115	170	135	70	60	125	60	85	125	215	240	170	185	190	175	175	165	165	165	245	300	300	300	185	9
25	165	165	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	9
26	170	190	265	200	175	160	190	200	285	315	285	(VA)	150	215	305	275	180	150	145	150	155	175	170	165	9
27	165	160	155	150	160	165	155	120	85	330	310	275	240	285	255	295	290	290	295	270	240	250	260	245	14
28	(VA)	65	305	290	300	280	265	295	295	200	275	15	10	15	20	10	25	35	45	40	45	70	30	140	2
29	(VA)	(VA)	10	(VA)	165	165	180	180	245	200	(VA)	320	5	305	(VA)	(VA)	95	80	115	145	150	165	165	170	8
30	175	165	145	100	65	75	60	355	70	55	80	155	235	280	285	290	285	145	160	155	150	195	180	170	4
31	160	170	155	165	160	155	155	155	130	250	235	205	210	250	220	225	220	(VA)	110	185	90	155	175	160	4

ABOUT (21 JAN 81)

WIND DIRECTION (CCIIA)

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6

LEVEL HEIGHT : 30 METERS

MAR, 1980

AERODV(HONNMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	E	E	E	ESE	E	NE	NW	WNW	NNW	NNW	NNW	W	NNW	NNW	NE	ESE	SE	S	SSE	SSE	E	
2	SSE	SSE	SE	SE	SSE	SSE	SE	SSE	N	(VA)	WNW	NNW	NNW	NW	W	WNW	NW	(VA)	SE	ESE	SE	SSE	SSE	SSE	
3	SSE	(VA)	ESE	S	NW	NE	SSE	SW	NNE	SE	ESE	SSE	SSE	SSE	SSE	SSE	SW	E	SE	SSE	SE	SSE	SSE	SSE	
4	SSW	SW	S	S	S	S	SSE	SSE	E	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	
5	S	S	S	SSE	SSE	S	S	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
6	SSW	SW	SE	N	ENE	SSE	WSW	ENE	E	SSE	SSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	
7	SSW	SW	SE	N	ENE	SSE	WSW	ENE	E	SSE	SSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	
8	S	SW	W	SW	S	S	SSE	S	S	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
9	SSE	SSE	SSW	S	S	S	SSE	S	S	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
10	S	S	S	SSE	SE	SSE	SE	SE	ENE	(VA)	WNW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	
11	S	SSE	SSE	W	W	WNW	W	W	ESE	W	(VA)	NNE	NNW	W	W	W	W	W	W	W	W	W	W	W	
12	SSE	W	W	W	WNW	WNW	W	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
13	SSE	S	S	S	SSE	SSE	SE	SSE	ENE	N	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	
14	SE	SE	S	SSE	SE	SSE	SSE	SE	ENE	ENE	N	NNW	W	W	W	W	W	W	W	W	W	W	W	W	
15	E	S	SW	SSE	(VA)	NNW	NNE	ENE	W	NE	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	
16	NNW	NW	WNW	NW	NNW	NW	NNE	ENE	NNE	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	N	
17	S	S	S	S	SSE	SSE	SSE	SE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
18	SSE	SSE	SSE	S	ESE	FSE	SE	S	(VA)	WNW	WNW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	
19	SSE	SSE	S	SSE	SE	SSE	SSE	SE	ESE	(VA)	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	
20	SSE	SSE	S	S	SSE	SSE	SSE	SE	ESE	N	NW	WNW	N	N	N	N	N	N	N	N	N	N	N	N	
21	ENE	NE	ENE	SE	SE	SE	SE	SE	SE	S	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	
22	SSE	SSE	NNE	ESE	W	WNW	(VA)	WSW	WNW	W	N	E	E	E	E	E	E	E	E	E	E	E	E	E	
23	ESE	SE	S	SW	NNE	SSE	ESE	ESE	SE	(VA)	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	
24	ESE	SE	ENE	ENE	SE	ENE	E	E	SE	SW	WSW	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	WNW	WNW	(VA)	WNW	WNW	W	W	W	W	W	W	W	W	W	W	
26	S	S	W	SSW	S	SSE	SSE	ESE	E	NNW	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	E	NNW	NW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	
28	(VA)	ENE	N	WNW	WNW	W	W	W	W	W	W	NNE	N	N	N	N	N	N	N	N	N	N	N	N	
29	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	
30	S	SSE	SE	E	ENE	ENE	ENE	N	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
31	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	SE	WSW	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	
PV	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	W	NW	NW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

APR, 1980

AEROVIRONMENT INC.

WIND DIRECTION (CC:IR)

DEGREES

LEVEL HEIGHT : 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	105	150	155	110	160	65	65	50	55	15	(VAI) 20	(VAI) 205	275	(VAI) 30	350	45	65	75	80	80	65	4			
2	65	330	350	10	330	275	285	265	290	310	300	300	325	315	340	355	355	0	55	170	170	14			
3	165	160	170	155	160	150	170	150	95	115	(VAI) 355	315	255	185	165	165	165	165	165	165	155	150	A		
4	155	(VAI) 110	45	190	195	170	170	150	320	325	330	280	275	270	170	180	160	165	170	165	155	8			
5	150	155	155	140	120	155	(VAI) 140	140	(VAI) 80	210	270	280	225	235	245	245	290	295	190	195	180	8			
6	285	250	250	245	210	190	190	250	255	280	265	285	285	290	285	285	290	310	165	175	240	14			
7	270	295	0	(VAI) 240	285	290	300	300	285	280	290	290	315	310	300	295	305	290	295	300	5	215	170	14	
8	165	160	160	155	130	120	160	170	330	280	300	285	295	300	300	220	40	90	165	190	130	155	A		
9	165	155	145	150	160	145	135	80	0	285	0	320	305	275	230	240	245	225	175	180	115	300	255	A	
10	205	160	225	280	270	250	270	265	305	295	305	290	310	300	295	300	290	285	40	85	105	70	14		
11	70	155	175	(VAI) 315	135	60	(VAI) 295	105	55	35	35	25	35	40	35	40	20	25	55	45	35	50	3		
12	30	25	120	180	175	165	165	70	(VAI) 65	110	50	15	50	30	40	40	40	40	40	40	30	30	3		
13	50	75	170	160	180	170	175	200	265	335	10	355	(VAI) 275	300	280	290	140	80	110	170	160	160	155	9	
14	155	155	135	160	155	140	130	130	70	350	320	15	5	255	295	260	230	85	50	80	175	165	170	8	
15	160	165	150	130	160	145	150	125	135	305	285	275	295	290	250	290	305	290	285	280	275	305	190	14	
16	155	170	165	160	150	165	155	150	325	325	355	340	345	5	325	330	0	45	100	160	165	160	160	A	
17	160	165	160	165	160	150	160	115	60	330	290	315	310	290	(VAI) 310	270	300	350	85	165	160	165	155	A	
18	145	160	155	160	160	145	155	95	355	340	305	285	305	275	310	285	240	215	220	200	155	155	155	A	
19	155	155	170	150	150	175	155	120	50	355	305	310	305	295	285	295	215	260	245	195	170	160	155	160	A
20	145	130	160	160	160	155	150	230	315	315	30	340	265	235	230	245	205	235	210	165	175	170	170	8	
21	170	165	165	170	175	170	165	165	180	180	155	150	160	305	225	55	45	80	(VAI) 230	(VAI) 55	130	340	8		
22	150	175	125	65	225	130	175	185	340	295	310	325	10	65	50	45	70	85	90	85	70	75	115	4	
23	155	150	165	165	170	200	260	315	300	310	325	275	240	265	305	295	310	345	45	110	160	(VAI) 175	155	(VAI)	
24	170	160	165	175	160	170	180	255	265	285	355	30	10	355	5	25	20	0	25	20	55	55	70	(VAI) 2	
25	80	65	75	175	50	165	260	290	50	65	75	65	75	15	45	15	25	25	35	45	70	60	55	65	3
26	65	145	140	160	165	175	215	270	220	60	60	30	90	(VAI) (VAI)	110	80	75	75	140	165	170	165	165	A	
27	170	170	170	160	175	165	140	335	310	350	30	(VAI) 65	(VAI) 350	355	305	355	335	40	175	145	95	180	9		
28	155	160	155	140	150	110	110	85	55	95	260	310	300	(VAI) 165	185	235	235	225	155	165	170	215	145	8	
29	170	160	170	115	125	(VAI) 85	340	300	320	330	200	160	165	195	190	190	250	245	280	340	40	100	125	145	9
30	(VAI) 290	340	50	30	15	120	170	170	315	(VAI) 5	5	130	255	335	295	315	295	125	170	145	170	170	165	9	
PV	8	8	8	8	8	8	8	8	15	15	15	14	14	13	14	14	14	12	3	5	8	8	8	8	A

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 * F)NAL DATA *
 * AS OF 31/MAR/A1 *
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WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 APR, 1960
 AEROVIRONMENT INC.

WIND DIRECTION (CC11A)
 LEVEL HEIGHT 1 30 METERS

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	SSE	SSE	ESE	ESE	ESE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
2	ENE	NW	N	NW	N	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	E	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
4	NE	(VA)	ESE	NE	SE	ESE	(VA)	SE	(VA)	E	SSW	W	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
6	NW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	W	W	N	(VA)	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SSE	SSE	SSE	SE	SE	SE	SE	E	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
9	SSE	SSE	SSE	SE	SE	SE	SE	E	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SSW	SSE	SSE	SW	W	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	ENE	SSE	SSE	(VA)	NW	SE	ENE	(VA)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
12	NNE	NNE	ESE	SSE	SSE	SSE	SSE	ENE	(VA)	E	ESE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
13	NE	ENE	SSE	SSE	SSE	SSE	SSE	ENE	(VA)	E	ESE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
14	SSE	SSE	SE	SSE	SSE	SE	SE	SE	ENE	N	NW	NNE	N	W	W	W	W	W	W	W	W	W	W	W	W
15	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
17	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
18	SE	SSE	SSE	SSE	SSE	SE	SE	E	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
20	SE	SE	SSE	SSE	SSE	SSE	SSE	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
21	S	SSE	SSE	S	S	S	SSE	S	S	S	S	SSE	SSE	NW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
22	SSE	SSE	SSE	ENE	SW	SE	S	S	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
24	S	SSE	SSE	S	SSE	S	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	E	ENE	ENE	S	HE	SSE	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
26	ENE	SE	SE	SE	SSE	SSE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
27	S	S	S	SSE	SSE	SSE	SE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
28	SSE	SSE	SSE	SE	SE	SE	ESE	E	NE	E	W	NW	NW	(VA)	SSE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW
29	S	SSE	SSE	SSE	SE	SE	(VA)	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
30	(VA)	NW	NW	NE	NNE	NNE	ESE	S	NW	(VA)	N	N	SE	WSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAY, 1980
 AEROPHONMENT INC.

WIND DIRECTION ICC:181
 DEGREES
 LEVEL HEIGHT : 30 METERS

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FINAL DATA
 AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	170	170	165	155	155	85	40	75	75	75	80	60	95	75	(VAI	260	285	205	220	0	(VAI	160	165	165	9
2	160	165	85	75	140	95	115	50	350	290	(VAI	(VAI	155	180	185	185	220	245	160	140	125	160	165	155	8
3	165	160	145	140	170	165	155	150	65	310	315	310	335	290	310	10	(VAI	115	165	155	170	170	130	90	8
4	260	165	190	190	155	160	170	150	(VAI	330	315	290	320	320	330	0	340	45	100	150	155	350	100	155	8
5	170	10	5	165	170	165	145	5	5	5	55	170	275	290	300	55	70	105	160	170	165	175	175	170	8
6	165	165	170	165	160	150	145	145	185	190	315	300	300	240	195	155	170	175	175	170	175	165	195	180	8
7	165	155	150	160	95	95	160	45	55	310	285	175	175	160	100	150	90	(VAI	245	320	50	80	130	155	8
8	150	155	170	140	150	125	110	150	145	190	300	(VAI	60	145	235	275	245	245	195	195	170	170	170	180	8
9	245	225	145	160	200	160	45	60	165	220	210	180	175	170	195	245	335	35	20	35	30	345	5	100	8
10	160	150	155	125	220	250	90	345	205	200	250	270	185	180	190	190	195	200	280	285	275	(VAI	155	155	9
11	(VAI)	145	280	290	280	290	275	215	(VAI	345	305	240	205	135	135	200	195	250	5	100	110	170	275	(VAI	13
12	165	175	175	175	175	175	175	175	200	220	195	195	220	215	260	230	20	35	65	90	175	105	80	110	9
13	120	45	145	160	165	160	175	170	310	335	325	350	325	305	260	(VAI	160	155	170	165	160	165	165	160	8
14	165	170	165	160	150	145	155	130	320	295	285	305	280	300	70	60	60	80	105	145	175	210	235	175	8
15	160	180	170	170	150	150	175	235	290	305	265	290	(VAI	310	85	195	270	265	160	165	220	200	120	80	8
16	160	185	170	170	175	165	155	135	(VAI	265	250	280	270	145	90	25	310	320	295	280	215	165	235	165	9
17	180	180	225	250	270	265	270	300	280	270	280	275	345	305	195	90	75	75	75	70	75	140	160	170	13
18	160	155	155	160	150	160	150	85	335	310	325	345	295	295	245	320	(VAI	120	285	5	120	175	165	160	8
19	165	170	160	165	160	155	145	125	30	310	305	290	295	240	275	335	350	50	50	85	100	160	170	165	8
20	155	170	170	160	155	155	150	110	(VAI	315	345	15	0	110	(VAI	295	325	345	25	55	115	165	170	170	8
21	160	155	160	170	165	155	140	100	290	305	315	315	260	250	320	305	30	(VAI	20	90	160	170	165	165	8
22	205	(VAI	205	190	180	190	180	195	185	175	185	185	195	180	175	185	190	185	165	140	155	185	185	195	8
23	180	180	180	175	180	180	185	185	190	195	195	190	210	250	255	240	230	175	140	215	215	195	210	210	10
24	180	180	180	175	180	180	185	185	190	195	195	190	210	250	255	240	230	175	140	215	215	195	210	210	10
25	215	215	200	200	(VAI	165	185	215	230	265	240	220	235	235	200	290	335	40	80	120	160	160	125	150	11
26	160	165	155	150	155	95	65	35	355	340	290	270	215	205	245	240	190	205	275	15	65	145	160	155	11
27	165	155	160	150	105	110	35	5	245	195	195	205	210	195	210	180	200	220	200	195	195	165	165	160	10
28	155	190	130	160	165	155	135	125	200	195	195	195	185	205	210	205	195	195	210	235	165	170	265	275	9
29	280	290	305	(VAI	130	235	275	290	(VAI	285	275	285	280	295	285	285	260	280	285	325	300	50	85	180	14
30	70	170	155	160	180	170	150	305	355	15	345	340	285	260	265	190	195	195	195	205	205	185	165	160	9
31	150	175	160	165	150	170	250	295	295	250	235	290	305	270	300	295	290	275	205	300	275	190	290	(VAI	14
PV	9	8	8	8	8	8	8	7	14	15	15	14	14	14	10	9	10	10	10	10	9	9	8	9	9

WIND DIRECTION (CCL11A)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

MAY, 1980

AEROENVIRONMENT INC.

.....
* F [NAL DATA
* AS OF 31/MAR/78]
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SSE	E	NE	ENE	ENE	ENE	E	ENE	E	ENE	[VA]	W	WNW	SSW	SW	N	[VA]	SSE	SSE	S	ENE
2	SSE	E	SE	SE	SE	E	ESE	ENE	ENE	ENE	NW	NW	NW	NW	NW	S	SW	WNW	SSE	SE	SE	SSE	SSE	S	SSE
3	SSE	SE	SE	SE	SE	SSE	SSE	SSE	[VA]	NW	NW	NW	NW	NW	NW	N	[VA]	ESE	SSE	SE	SE	SE	SE	S	SSE
4	W	SSE	S	S	SSE	SSE	S	SSE	[VA]	NW	NW	NW	NW	NW	NW	N	[VA]	ENE	ENE	ENE	SSE	N	E	SSE	SSE
5	S	N	SSE	SSE	SSE	SSE	SSE	SSE	S	N	N	S	W	WNW	WNW	NE	ENE	ESE	SSE	S	SSE	S	S	SSE	SSE
6	SSE	SSE	SSE	SSE	SSE	E	SSE	NE	NE	NE	NE	NE	NE	NE	NE	S	[VA]	[VA]	WSW	NW	NE	E	SE	SSE	SSE
7	SSE	SSE	SSE	SSE	SSE	E	SSE	NE	NE	NE	NE	NE	NE	NE	NE	S	[VA]	[VA]	WSW	NW	NE	E	SE	SSE	SSE
8	SSE	SSE	SSE	SSE	SSE	E	SSE	NE	NE	NE	NE	NE	NE	NE	NE	S	[VA]	[VA]	WSW	NW	NE	E	SE	SSE	SSE
9	WSW	S	SE	SSE	SSE	SSE	NE	ENE	SSE	S	WNW	[VA]	ENE	SE	SW	W	WSW	WSW	SSW	NE	NNE	NW	N	E	S
10	SSE	SSE	SSE	SSE	SSE	E	WSW	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	S	[VA]	[VA]	WSW	NW	NNE	NW	N	E	S
11	[VA]	SE	W	WNW	W	WNW	W	SW	[VA]	NW	NW	W	S	S	S	S	SSW	SSW	W	WNW	W	[VA]	SSE	SSE	S
12	SSE	S	S	[VA]	WSW	W	S	S	S	NW	NW	W	SW	SW	SW	SE	SSW	SSW	WSW	N	E	ESE	S	[VA]	S
13	ESE	NE	SE	SSE	SSE	S	S	S	S	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
14	SSE	S	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
15	SSE	S	S	S	S	SSE	SSE	S	S	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
16	SSE	S	S	S	S	SSE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
17	S	S	S	S	S	SSE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
18	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
20	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
21	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
22	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
23	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	W	[VA]	SSE	SSE	ENE	E	ESE	SSE	SSE	SSE
24	S	S	S	S	S	S	S	S	S	SSE	SSE	S	S	S	S	S	SSW	SSW	SW	S	SSE	SSE	S	SSE	S
25	S	S	S	S	S	S	S	S	S	SSE	SSE	S	S	S	S	S	SSW	SSW	SW	S	SSE	SSE	S	SSE	S
26	SSE	SSE	SSE	SSE	SSE	E	ENE	NE	N	NW	NW	W	SW	SW	SW	W	WNW	WNW	NE	E	ESE	SSE	SSE	SSE	SSE
27	SSE	SSE	SSE	SSE	SSE	E	ENE	NE	N	NW	NW	W	SW	SW	SW	W	WNW	WNW	NE	E	ESE	SSE	SSE	SSE	SSE
28	SSE	S	SE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SW	S	SSE	SSE	SSE	SSE	SSE
29	W	WNW	NW	[VA]	SE	SW	W	WNW	[VA]	WNW	W	WNW	W	WNW	WNW	W	WNW	WNW	W	WNW	NW	NE	E	W	WNW
30	ENE	S	SSE	SSE	S	S	SSE	NW	N	NNE	NW	NW	W	WNW	WNW	W	WNW	WNW	W	WNW	SSW	S	SSE	SSE	S
31	SSE	S	SSE	SSE	SSE	S	SSE	WNW	WSW	SW	WNW	NW	W	WNW	WNW	W	WNW	WNW	W	WNW	SSW	S	SSE	SSE	S
PV	S	SSE	SSE	SSE	SSE	SSE	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S	SSW	SSW	SSW	SSE	S	SSE	SSE	S	S

WIND DIRECTION (CCIIAI)
 DEGREES
 LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUN, 1980
 AEROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	175	170	165	160	165	155	125	80	10	305	315	280	150	185	210	305	65	75	200	160	155	165	170	170	9	
2	160	145	135	55	120	160	60	55	210	190	215	205	195	190	190	200	200	195	190	195	175	170	170	170	9	
3	165	170	175	155	170	170	190	190	180	180	180	185	180	200	195	185	195	185	195	200	200	200	175	165	170	9
4	175	175	170	165	165	165	195	345	200	195	185	195	200	190	210	225	235	220	215	200	180	175	185	180	10	
5	180	175	160	170	160	160	155	130	20	315	200	200	190	195	225	220	215	210	200	190	180	180	185	220	9	
6	215	200	165	170	185	225	205	240	240	230	240	245	245	250	240	245	245	300	310	310	320	315	35	95	12	
7	150	165	170	175	175	210	260	285	300	35	355	0	290	320	295	345	350	335	0	20	95	160	155	160	A	
8	160	175	165	165	170	165	155	(VAI)	5	290	330	305	310	320	320	315	320	345	0	30	90	145	165	180	A	
9	175	175	175	175	165	155	135	95	335	285	290	285	305	300	335	60	335	10	10	35	105	150	170	175	9	
10	165	(VAI)	155	165	165	160	125	125	40	305	320	350	225	195	185	175	195	200	215	195	205	155	175	160	9	
11	175	215	290	170	170	160	130	55	30	(VAI)	190	185	165	195	195	215	245	225	205	190	175	180	185	195	10	
12	175	240	75	145	160	160	170	200	215	225	210	225	200	205	205	200	205	200	195	205	195	225	280	180	10	
13	160	160	155	145	155	150	85	5	350	290	195	185	195	190	190	200	220	195	210	210	210	175	180	190	9	
14	155	180	195	135	135	145	120	(VAI)	295	295	235	245	240	230	235	245	240	230	270	310	295	295	285	270	12	
15	300	55	85	105	135	165	160	120	210	305	305	300	300	290	300	320	315	295	315	315	305	330	70	100	15	
16	160	180	260	190	170	180	210	295	305	15	285	285	295	310	285	295	300	0	345	25	155	165	165	165	14	
17	155	160	170	155	150	170	130	140	310	290	290	265	280	325	310	335	340	335	(VAI)	210	165	165	160	165	A	
18	160	150	150	160	160	165	145	110	300	305	300	300	315	(VAI)	315	250	230	280	280	265	310	310	205	175	(VAI)	
19	175	155	150	160	170	170	170	160	340	355	(VAI)	300	275	175	190	205	285	255	290	315	200	165	165	170	9	
20	165	170	160	165	175	160	175	145	290	0	325	305	300	300	230	275	285	180	190	185	180	160	170	195	9	
21	260	190	165	175	160	170	145	290	15	355	335	285	205	230	230	275	285	275	265	215	165	165	185	175	A	
22	170	160	130	185	165	165	150	345	20	315	290	300	290	215	190	220	230	215	215	185	175	165	165	160	A	
23	160	175	180	180	175	170	170	165	175	190	175	185	205	215	215	210	220	210	205	195	180	245	290	165	9	
24	165	160	165	155	155	150	155	10	315	300	300	215	190	195	195	195	240	235	230	210	190	160	155	(VAI)	A	
25	165	170	160	165	150	155	105	75	355	330	330	195	175	190	200	200	195	195	195	195	220	175	170	170	9	
26	170	165	165	170	155	160	135	55	280	200	195	195	210	225	220	220	235	225	210	190	180	185	200	190	10	
27	285	280	280	270	265	265	280	285	300	325	305	290	300	310	305	310	310	315	310	300	295	330	(VAI)	165	14	
28	180	170	155	155	155	155	(VAI)	280	(VAI)	290	300	290	280	300	295	355	320	330	330	60	155	150	190	165	A	
29	155	160	165	150	150	155	120	75	10	335	295	300	305	295	280	300	285	300	300	(VAI)	185	225	175	180	(VAI)	
30	170	200	30	65	125	140	290	15	(VAI)	260	300	290	345	315	315	325	330	310	330	5	315	(VAI)	225	(VAI)	15	

PV 8 9 8 A 8 8 7 7 1 15 15 14 (VAI) 9 10 10 11 10 10 10 9 A 9 9 9 9

WIND DIRECTION [CC:11A]

LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

JUN, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A *
*

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	SSE	SSE	SSE	SSE	SSE	SE	E	N	NW	NW	W	SSE	S	SSW	NW	ENE	ENE	SSW	SSE	SSE	SSE	S	S	S
2	SSE	SE	SE	SE	ENE	ENE	ENE	NE	SSW	S	SW	SSW	SSW	S	S	SSW	SSW	SSW	S	SSW	SSE	SSE	S	S	S
3	SSE	S	S	SSE	S	SSE	SSE	SSE	S	S	S	S	S	SSE	S	S	SSE	S	SSE	SSE	SSE	SSE	S	S	S
4	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S
5	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S
6	SW	SSW	SSE	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S
7	SSE	SSE	S	S	SSE	SSE	W	WNW	WNW	NE	N	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	E	WSW
8	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
9	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
10	SSE	(VA)	SSE	SSE	SSE	SSE	SE	SE	NE	NW	NW	N	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
11	S	SW	WNW	S	SSE	SSE	SE	SE	NE	NW	NW	N	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
12	S	WSW	ENE	SE	SSE	SSE	S	SSE	SSE	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
13	SSE	SSE	SSE	SSE	SSE	SSE	E	ESE	ENE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
14	SSE	S	SSW	SE	SE	SE	ESE	(VA)	WNW	WNW	SW	WSW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
15	WNW	NE	E	ESE	SE	SSE	SSE	ESE	SSE	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW
16	SSE	S	W	S	S	S	SSE	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
17	SSE	SSE	S	SSE	SSE	SSE	SE	SE	WNW	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	SSE	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
19	S	SSE	SSE	SSE	SSE	SSE	S	SSE	WNW	N	(VA)	WNW	W	S	S	SSE	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	(VA)
20	SSE	S	SSE	SSE	S	S	SE	WNW	N	NW	NW	WNW	WNW	S	S	SSE	S	W	WNW	WNW	WNW	WNW	WNW	WNW	S
21	W	S	SSE	S	SSE	S	SE	WNW	N	NW	NW	WNW	WNW	S	S	SSE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
22	S	SSE	SE	S	SSE	SSE	SSE	ENE	ENE	NW	WNW	WNW	WNW	SW	SW	W	WNW	W	WNW	SSE	SSE	SSE	SSE	SSE	S
23	SSE	S	S	S	SSE	SSE	SSE	N	WNW	WNW	WNW	WNW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	ENE	N	WNW	WNW	WNW	SW	SW	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
25	SSE	S	SSE	SSE	SSE	SSE	SSE	ENE	ENE	N	WNW	WNW	WNW	S	S	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S
26	S	SSE	SSE	S	SSE	SSE	SSE	SE	NE	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S
27	WNW	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	S	SSE	SSE	SSE	SSE	SSE	SSE	(VA)	W	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ENE	ENE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	(VA)
30	S	SSW	MNE	ENE	SE	SE	WNW	MNE	(VA)	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SSE	S	SSE	SSE	SSE	SSE	SE	SE	N	NW	NW	WNW	(VA)	S	SSW	SSW	SW	SSW	SSW	SSE	SSE	SSE	SSE	S	S

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUL, 1980
 AEROVIRONMENT INC.

WIND DIRECTION ICC1181
 DEGREES
 LEVEL HEIGHT 1 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR ILOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	60	50	125	85	300	20	265	270	275	300	295	270	190	310	300	300	165	155	165	165	190	195	150	150	14
2	145	115	120	10	165	215	260	155	245	165	95	330	145	165	145	350	0	10	145	165	170	165	160	160	A
3	155	150	140	110	180	115	155	90	320	310	295	315	295	220	1VA1	275	205	210	260	225	190	350	75	130	A
4	115	120	75	75	80	75	85	70	40	265	305	255	295	305	265	335	300	305	225	245	165	160	165	155	A
5	145	130	105	105	155	160	145	155	335	300	305	310	305	305	260	260	260	260	260	225	160	165	170	250	A
6	145	155	160	160	155	160	135	55	40	0	315	1VA1	320	325	275	265	240	210	200	190	180	165	175	165	A
7	170	170	165	155	155	150	115	40	295	105	310	230	175	190	175	165	190	145	165	165	160	160	160	175	A
8	180	165	175	245	270	1VA1	155	245	230	245	265	300	280	180	215	250	270	305	280	185	170	165	165	150	1VA1
9	145	170	170	160	155	150	155	1VA1	300	305	315	320	320	1VA1	0	330	70	35	55	155	170	160	225	150	A
10	180	165	175	165	150	165	155	110	355	305	310	315	285	270	225	225	235	275	200	170	190	175	135	155	A
11	140	165	175	170	160	150	160	130	320	300	315	315	300	160	155	160	170	170	170	150	125	150	170	170	A
12	170	180	155	155	155	1VA1	165	190	170	230	280	315	150	190	185	190	285	320	345	200	160	160	185	305	9
13	45	310	180	170	155	175	165	170	195	195	210	340	280	255	295	250	155	1VA1	45	110	150	170	160	175	9
14	120	60	60	115	145	170	165	1VA1	250	290	300	235	230	220	250	255	255	250	245	215	190	125	260	245	12
15	195	165	160	165	170	155	145	1VA1	305	300	305	295	305	310	295	285	295	300	305	315	305	265	270	175	14
16	180	165	160	160	165	160	145	95	320	300	310	335	285	295	275	320	320	0	80	105	155	170	165	145	A
17	170	170	160	160	160	160	145	120	320	320	330	320	305	300	265	250	260	290	310	320	315	1VA1	190	175	15
18	170	225	0	110	90	140	200	265	300	1VA1	1VA1	305	290	305	310	295	270	235	235	205	165	170	55	30	14
19	210	235	1VA1	160	135	175	130	30	325	310	310	305	275	280	260	290	305	325	315	330	315	305	275	1VA1	15
20	170	160	170	170	180	190	260	315	295	305	300	270	275	260	310	325	320	315	10	30	75	170	155	170	9
21	165	165	175	165	160	175	200	290	285	305	300	300	245	270	300	315	320	310	325	335	155	165	165	175	1VA1
22	165	170	160	160	145	155	140	85	10	310	300	295	300	295	315	330	335	335	290	255	200	165	160	145	A
23	175	150	190	150	130	170	160	50	1VA1	300	265	330	330	280	195	235	230	235	215	175	175	170	160	190	9
24	170	160	160	145	155	155	140	75	50	65	305	285	265	325	335	340	340	350	75	90	65	105	130	150	8
25	165	170	170	170	165	165	120	165	5	335	305	290	280	290	290	295	260	160	170	170	170	175	140	160	9
26	145	115	155	175	185	170	170	240	335	300	0	265	285	280	315	355	55	75	165	165	165	160	175	175	A
27	175	170	170	170	160	155	135	110	315	200	165	170	0	320	265	5	345	335	10	30	145	170	160	150	A
28	165	160	155	150	160	160	135	75	300	300	325	330	265	260	290	295	295	315	300	330	165	170	140	150	A
29	155	155	165	165	160	140	130	75	345	310	280	270	280	170	350	70	305	280	315	350	80	275	170	150	A
30	220	125	140	170	165	150	135	105	65	315	300	295	300	315	325	335	320	305	215	90	170	170	175	175	15
31	175	175	185	170	160	160	160	90	35	25	60	50	1VA1	320	1VA1	300	300	315	315	310	295	255	175	140	9
PV	8	8	8	8	8	8	7	5	15	15	14	15	14	14	14	14	14	14	15	15	9	8	8	8	A

A000T 121 JAN 811

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 AUG. 1980
 AEROVIRONMENT INC.

WIND DIRECTION (CC:IRI)
 DEGREES
 LEVEL HEIGHT : 30 METERS

 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	180	180	175	170	160	155	140	155	60	(VA)	315	285	305	305	295	240	255	185	215	80	85	150	165	155	A
2	150	150	150	150	160	160	145	235	275	300	270	270	270	260	265	310	270	285	300	305	305	315	225	170	(VA)
3	170	165	165	150	55	170	180	(VA)	355	305	285	285	285	300	290	305	310	310	315	320	305	290	270	250	14
4	135	105	150	150	140	130	145	105	345	290	285	285	300	285	250	260	260	295	300	275	230	180	175	14	
5	170	160	150	160	160	160	245	320	280	295	290	300	310	305	245	260	265	240	235	185	160	180	315	A	
6	15	150	220	165	165	195	165	90	5	305	310	320	245	245	230	215	245	240	225	180	165	175	270	12	
7	175	175	170	195	165	155	160	80	5	320	325	295	320	315	(VA)	10	350	350	250	130	155	170	160	155	8
8	175	180	200	180	175	165	155	220	285	330	310	285	295	290	265	240	270	215	270	225	170	280	280	100	(VA)
9	160	175	190	190	195	205	165	190	225	260	290	300	300	280	275	280	295	285	310	340	95	170	150	170	9
10	170	170	170	180	175	170	165	190	(VA)	285	275	300	295	305	300	300	290	315	315	315	330	(VA)	165	165	14
11	180	185	175	175	170	175	185	300	300	300	305	315	315	340	280	295	270	300	340	25	140	170	165	165	9
12	155	155	160	140	80	160	140	90	60	215	265	305	305	285	(VA)	150	(VA)	(VA)	130	140	160	165	165	155	A
13	205	75	110	185	160	160	155	40	345	305	310	310	305	305	195	220	5	65	135	300	145	175	210	190	(VA)
14	130	160	185	250	155	170	165	160	(VA)	310	295	315	285	270	180	175	195	235	245	265	170	145	70	170	8
15	325	140	155	155	160	170	170	60	120	(VA)	295	(VA)	140	170	260	315	315	315	170	165	175	175	165	160	A
16	165	165	160	160	170	150	155	150	80	310	300	290	295	270	305	305	345	15	40	65	85	120	90	8	
17	125	160	170	175	170	170	160	145	295	340	315	290	280	245	180	185	(VA)	340	275	240	210	165	170	175	9
18	170	185	190	165	225	105	140	70	55	280	230	210	195	200	220	200	210	205	205	195	180	180	175	170	10
19	180	195	180	185	180	170	180	200	215	235	240	230	260	305	310	315	300	300	280	250	280	315	315	310	(VA)
20	120	160	170	175	175	175	170	175	245	295	275	310	290	295	300	270	40	110	50	90	145	190	170	165	9
21	160	155	160	160	160	160	160	120	0	300	295	330	305	285	285	295	325	320	55	115	170	165	160	160	A
22	155	155	150	170	165	160	165	95	(VA)	65	25	195	230	230	195	210	220	220	220	215	180	160	185	190	8
23	170	145	330	155	190	315	340	45	210	230	275	265	175	165	160	245	340	195	155	145	145	160	180	140	A
24	210	350	45	65	165	120	165	165	165	265	275	285	300	290	225	190	185	205	215	10	200	165	175	175	9
25	(VA)	145	155	170	140	135	155	125	110	100	(VA)	295	225	5	340	330	(VA)	165	215	175	155	165	165	145	8
26	160	180	175	165	170	170	155	140	110	40	(VA)	(VA)	65	300	290	295	265	180	225	110	65	150	170	170	9
27	160	165	160	165	165	165	140	0	315	310	320	285	245	245	225	230	225	175	190	135	170	20	120	A	
28	150	160	100	165	155	105	130	60	55	345	275	265	225	245	230	230	210	195	185	180	185	150	195	190	9
29	190	210	215	205	275	220	75	340	335	295	225	245	205	190	200	205	195	145	190	175	160	210	280	280	10
30	290	295	140	170	120	75	45	40	20	45	75	285	300	300	255	270	260	265	305	305	305	270	205	175	14
31	150	170	170	165	160	160	170	160	135	305	315	335	315	315	320	305	330	340	335	345	70	100	160	170	(VA)
PV	8	8	9	9	8	8	8	8	1	14	14	14	14	14	14	14	14	14	11	15	9	8	9	8	9

WIND DIRECTION (CC:18)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

AUG. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRFV
1	S	S	S	S	SSE	SSE	SE	SSE	ENE	(VA)	NW	WNW	NW	NW	WNW	WSW	WSW	S	SW	E	E	SSE	SSE	SSE	SSE
2	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	SW	SW	(VA)
3	S	SSE	SSE	SSE	NE	S	(VA)	SE	ENE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	WSW	WSW	WNW
4	SE	ESE	SSE	SSE	SE	SE	ESE	ENE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
5	S	SSE	SSE	SSE	SSE	SSE	SSE	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
6	NNE	SSE	SW	SSE	SSE	SSE	E	N	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
7	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
8	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	SSE	S	S	S	S	S	SSE	SSE	SSE	SSE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
10	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
11	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
12	SSE	SSE	SSE	SSE	E	SSE	SE	E	ENE	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S
13	SW	ENE	ESE	S	SSE	SSE	SE	NE	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE
14	SE	SSE	S	WSW	SSE	SSE	SSE	SSE	(VA)	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	(VA)
15	NW	S	SSE	SSE	SSE	SSE	SSE	ENE	ESE	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
16	SSE	SSE	SSE	SSE	S	SSE	SSE	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
17	SE	SSE	S	S	S	S	SSE	SE	ENE	NE	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE
18	S	S	S	S	S	S	SSE	SE	ENE	NE	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE
19	S	S	S	S	S	S	SSE	SE	ENE	NE	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE
20	ESE	SSE	S	S	S	S	SSE	SE	ENE	NE	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ENE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
22	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	(VA)	ENE	NNE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE
23	S	SE	NW	SSE	S	NW	NW	NE	SSW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSE
24	SSW	N	NE	ENE	SSE	ESE	SSE	SSE	SSE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
25	(VA)	SE	SSE	S	SE	SE	SSE	ESE	E	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE
26	SSE	S	SSE	S	S	S	SSE	SE	ESE	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSE
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	NE	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSE
29	S	SSW	SW	SSW	W	SW	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW
30	WNW	WNW	SE	S	ESE	ENE	NE	ENE	NE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	SSE	S	S	SSE	SSE	SSE	SSE	SSE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	(VA)
PV	SSE	SSE	S	S	SSE	SSE	SSE	SSE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 SEP, 1980
 AEROSOL/ENVIRONMENT INC.

WIND DIRECTION ICC(1A)
 DEGREES
 LEVEL HEIGHT : 30 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	175	175	170	170	175	165	165	140	240	355	295	270	300	300	295	320	330	5	75	105	170	160	170	175	9
2	175	170	165	155	140	170	155	135	55	355	320	300	295	290	240	250	250	250	230	175	170	190	1VAI	1VAI	9
3	(VAI)	210	255	25	(VAI)	165	175	185	295	320	300	255	310	265	305	300	305	300	305	305	1VAI	175	175	165	14
4	165	165	165	160	160	160	160	155	65	290	300	295	260	290	315	325	285	265	340	125	170	160	160	165	8
5	165	165	165	170	170	155	165	160	1VAI	310	350	355	320	315	340	325	325	320	355	80	165	165	140	140	A
6	165	185	200	160	165	160	145	175	195	230	275	285	210	225	290	305	340	355	205	170	170	140	165	A	
7	185	195	165	155	185	170	165	160	285	290	285	115	155	0	10	355	(VAI)	140	210	155	160	150	165	175	9
8	275	(VAI)	165	170	165	160	190	285	295	280	290	240	200	135	135	165	285	25	30	285	355	135	175	170	9
9	165	165	190	190	285	165	155	170	130	110	110	75	50	45	50	55	30	320	290	285	280	295	270	270	(VAI)
10	280	310	25	10	0	335	220	90	340	55	295	290	240	240	165	185	140	80	230	225	195	165	170	210	11
11	185	150	160	155	150	125	145	(VAI)	265	205	220	240	280	285	240	245	275	275	295	260	225	190	185	180	12
12	170	165	180	180	150	140	145	140	130	285	310	15	300	300	305	255	150	160	1VAI	120	150	170	190	170	A
13	165	160	170	200	195	165	150	165	(VAI)	335	(VAI)	200	200	195	200	205	215	205	195	170	170	170	170	175	9
14	175	155	170	155	135	120	150	150	135	235	190	240	290	310	310	320	310	325	345	170	170	165	170	160	A
15	165	150	140	165	170	160	165	115	355	0	280	300	305	290	285	280	260	240	225	215	205	225	145	145	A
16	170	165	260	140	170	180	175	135	350	290	295	290	290	285	280	285	290	290	290	285	280	265	215	210	14
17	175	170	170	170	170	160	175	165	100	315	270	280	275	265	275	290	230	290	290	225	175	175	175	175	9
18	170	160	160	145	155	155	155	140	80	20	310	(VAI)	300	275	200	200	205	195	185	190	185	190	195	190	9
19	185	190	195	195	195	195	190	195	200	210	225	245	245	290	240	270	335	310	(VAI)	325	5	15	275	45	10
20	105	345	65	165	165	165	155	140	115	335	310	350	305	290	295	295	300	265	255	215	170	170	170	165	A
21	150	160	130	80	110	70	150	240	90	300	305	305	300	305	305	305	285	305	325	335	325	(VAI)	145	290	15
22	290	310	335	290	265	250	255	260	305	10	40	345	270	250	310	290	350	325	20	125	165	160	165	165	15
23	165	155	160	155	150	145	150	145	60	315	295	295	275	290	300	280	350	10	40	145	170	185	(VAI)	170	8
24	175	165	170	175	170	155	155	125	100	80	285	290	285	300	300	285	295	45	90	150	165	155	160	160	A
25	160	155	165	150	160	175	195	215	285	305	315	290	295	290	275	300	315	330	5	175	165	160	155	160	A
26	165	165	160	150	150	145	165	155	20	315	315	290	305	310	290	295	345	15	45	160	165	175	170	165	8
27	165	155	155	150	145	150	80	175	185	335	340	320	305	280	290	325	0	340	90	170	170	170	165	155	A
28	160	160	160	155	140	125	165	100	95	355	325	305	300	315	290	265	270	215	215	170	165	170	175	170	A
29	175	170	170	160	125	170	160	130	95	20	325	310	295	270	275	345	325	340	50	145	170	165	165	165	A
30	155	160	155	145	145	160	160	145	130	0	345	305	295	265	265	350	0	345	100	175	145	175	175	170	A
PV	8	9	8	8	8	8	8	8	5	15	14	14	14	14	14	14	15	15	11	9	9	A	A	9	A

WIND DIRECTION (CC11A)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
HORANZA, UTAH

SITE 6

SEP, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	S	S	S	S	SSE	SSE	SE	WSW	N	WNW	W	WNW	WNW	WSW	NW	WNW	N	ENE	ESE	S	SSE	S	S	
2	[VA]	SSW	WSW	NNE	[VA]	SSE	S	SE	WNW	N	WNW	WSW	WNW	WSW	WNW	WSW	WNW	WSW	SW	S	S	[VA]	[VA]	S	
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
4	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	[VA]	NW	N	NW	NW	NW	NW	NW	NW	NW	N	E	SSE	SSE	SSE	SSE	
6	SSE	S	SSW	SSE	SSE	S	SSE	SSE	SSW	SW	W	WNW	WNW	SSW	SW	WNW	NW	N	SSW	N	SSE	SSE	SSE	SSE	
7	S	SSW	SSE	SSE	S	SSE	SSE	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
8	[VA]	SSE	SSE	SSE	SSE	SSE	SSE	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
9	SSE	SSE	S	S	WNW	SSE	SSE	SSE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	[VA]	
10	W	NW	NNE	N	N	N	N	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
11	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
12	S	SSE	S	S	SSE	SSE	SSE	SSE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
13	SSE	SSE	S	SSW	SE	SSE	SSE	SSE	[VA]	NW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
14	S	SSE	S	SSE	SE	SSE	SSE	SSE	SE	SW	S	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
15	SSE	SSE	SE	SSE	S	SSE	SSE	SSE	N	N	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
16	S	SSE	W	SE	S	SSE	S	SSE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
17	S	S	S	S	S	SSE	S	SSE	E	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
18	S	SSE	SSE	SE	SSE	SSE	SSE	SSE	E	NNE	NW	[VA]	WNW	W	SSW	SSW	SSW	SSW	S	S	S	SSW	S	S	
19	S	S	SSW	SSW	SSW	S	SSW	SSW	S	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
20	ESE	WNW	ENE	SSE	SSE	SSE	SSE	SSE	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
21	SSE	SSE	SE	E	ESE	ENE	SSE	WSW	E	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
22	WNW	NW	WNW	WNW	W	WSW	WSW	W	NW	N	NE	NNW	W	WSW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
23	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	ENE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
24	S	SSE	S	S	SSE	SSE	SSE	SSE	F	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	S	N	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
29	S	S	S	SSE	SE	SSE	SSE	SSE	E	ENE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
30	SSE	SSE	SSE	SE	SE	SSE	SSE	SSE	SE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	
PV	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	E	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE	

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 OCT, 1980
 AEROVIRONMENT INC.

WIND DIRECTION ICC1181
 DEGREES
 LEVEL HEIGHT : 30 METERS

.....
 * FINAL DATA
 * AS OF 31/MAR/A1
 *

CLOCK HOUR 11LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	165	165	145	125	155	150	125	120	75	20	285	305	330	205	285	260	310	40	105	110	155	1VAJ	135	5	7
2	130	95	135	340	155	105	95	90	60	65	65	50	75	10	90	310	170	45	80	170	165	170	165	170	5
3	165	140	145	155	155	130	170	60	315	300	315	335	355	315	295	1VAJ	125	135	160	170	175	175	170	170	7
4	170	160	145	150	155	125	145	165	90	325	315	300	280	295	305	335	225	130	155	160	160	170	165	165	A
5	165	165	155	155	145	145	150	130	65	285	305	285	310	225	280	275	315	300	20	155	165	170	165	165	A
6	185	165	165	170	160	160	155	140	15	350	325	340	325	335	340	275	250	270	220	220	165	160	155	155	A
7	155	155	145	150	155	160	120	160	110	330	315	315	310	305	310	330	310	315	110	175	170	165	165	165	A
8	155	160	150	150	155	145	150	130	95	1VAJ	315	310	315	290	310	55	70	45	115	175	160	170	170	170	A
9	170	160	140	135	130	130	150	155	75	295	315	295	270	305	335	320	300	160	145	135	165	175	165	165	A
10	160	190	300	200	150	150	140	90	1VAJ	10	60	50	60	10	1VAJ	310	325	315	10	155	170	180	165	165	A
11	165	160	145	155	160	150	150	160	120	335	0	300	290	280	275	260	285	195	180	120	145	200	260	0	A
12	15	335	50	70	115	80	95	30	0	250	280	205	295	285	200	170	140	160	180	265	255	275	170	145	A
13	140	235	280	20	130	70	65	60	60	300	290	260	305	300	1VAJ	150	125	145	170	215	300	335	210	170	A
14	150	155	160	165	200	160	175	180	(VA)	340	65	300	65	55	95	40	75	155	155	260	335	65	225	130	A
15	145	120	170	45	155	180	185	160	95	170	155	160	160	200	155	175	150	170	125	65	70	45	65	15	A
16	320	355	110	275	275	265	335	50	60	85	80	60	30	20	35	10	260	220	260	245	270	275	275	240	A
17	290	305	0	165	165	175	180	160	220	245	255	270	265	285	285	270	225	270	275	265	260	200	165	170	A
18	170	165	175	180	175	175	175	175	170	175	1VAJ	1VAJ	270	180	1VAJ	320	255	160	110	175	175	160	165	160	A
19	155	135	135	145	150	150	155	145	95	335	270	295	305	325	305	320	305	325	1VAJ	170	170	160	160	155	A
20	160	155	155	155	150	145	165	165	140	1VAJ	320	275	280	315	285	300	250	0	100	175	155	150	155	160	A
21	155	160	150	150	165	135	110	165	135	40	350	305	295	255	295	285	230	20	155	175	190	175	175	175	A
22	175	175	120	160	155	155	195	195	220	245	270	270	280	285	290	295	295	295	325	340	0	25	15	20	A
23	80	165	170	135	40	75	45	320	85	80	60	20	15	135	190	1VAJ	320	10	90	165	165	160	155	155	A
24	155	150	155	165	160	125	145	150	150	1VAJ	350	325	355	300	280	320	315	295	255	175	175	165	170	165	A
25	160	155	160	155	170	170	155	115	75	305	290	310	320	295	330	315	70	1VAJ	165	160	170	165	150	150	A
26	140	155	165	165	110	90	80	160	105	1VAJ	305	290	295	285	275	285	1VAJ	75	65	330	310	270	280	175	A
27	145	160	165	155	170	200	200	150	1VAJ	55	75	75	70	65	60	55	60	55	60	55	35	40	25	35	A
28	70	85	215	310	5	170	250	1VAJ	135	275	320	325	1VAJ	45	350	25	70	120	155	150	165	165	160	160	A
29	150	155	140	120	140	135	90	160	120	65	335	10	305	280	270	330	340	320	90	175	175	170	145	160	A
30	140	145	140	135	155	150	145	110	110	295	320	335	310	280	1VAJ	310	275	335	185	180	170	165	170	165	A
31	160	160	95	160	155	165	150	150	55	1VAJ	290	310	310	300	315	335	315	230	140	170	170	165	170	175	A
PV	8	A	8	8	A	A	A	8	A	5	16	15	14	14	14	14	15	14	A	A	A	9	A	A	A

ABOUT 121 JAN 811

WIND DIRECTION (CC110)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 6

OCT, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	SE	SSE	SSE	SE	ESE	ESE	NNE	WNW	NW	NW	SSW	WNW	W	NW	NE	ESE	ESE	SSE	(VA)	SE	N	SE
2	SE	SE	SE	SE	SSE	ESE	E	E	E	ESE	ENE	NE	ENE	N	E	NW	S	NE	E	ESE	SSE	S	SSE	S	E
3	SSE	SE	SE	SE	SSE	SE	SE	SE	E	NW	NW	NW	NW	N	NW	(VA)	(VA)	SE	SE	SSE	S	S	S	S	SE
4	S	SSE	SE	SE	SSE	SE	SE	SE	E	WNW	NW	NW	NW	WNW	W	NW	WNW	WNW	SE	SSE	SSE	SSE	S	S	SE
5	SSE	SSE	SSE	SE	SE	SSE	SE	SE	ESE	WNW	NW	NW	NW	WNW	W	NW	WNW	WNW	NNE	SSE	SSE	SSE	S	S	SE
6	S	SSE	SSE	SSE	SE	SE	SE	SE	ESE	N	NW	NW	NW	WNW	W	WNW	W	W	WNW	SSE	SSE	SSE	S	S	SE
7	SSE	SSE	SE	SE	SSE	SSE	ESE	SSE	ESE	WNW	NW	NW	NW	WNW	W	WNW	W	W	WNW	SSE	SSE	SSE	S	S	SE
8	SSE	SSE	SSE	SSE	SE	SE	SE	SE	E	(VA)	NW	NW	NW	WNW	W	WNW	W	W	WNW	SSE	SSE	SSE	S	S	SE
9	S	SSE	SE	SE	SE	SE	SE	SE	ESE	WNW	NW	NW	NW	WNW	W	WNW	W	W	WNW	SSE	SSE	SSE	S	S	SE
10	SSE	S	WNW	SSW	SSE	SE	SE	SE	(VA)	N	ENE	NE	ENE	N	(VA)	NW	NW	NW	SSE	SE	SE	SSE	S	S	SE
11	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	ESE	WNW	N	WNW	WNW	WNW	W	W	W	W	ESE	SE	SE	SSE	S	S	SE
12	NNE	NW	NE	ENE	ESE	E	E	NNE	N	WSW	W	SSW	WNW	WNW	S	W	W	S	ESE	SE	SSW	W	W	W	SE
13	SE	SW	W	NNE	SE	ENE	ENE	ENE	ENE	WNW	WNW	W	WNW	(VA)	SSE	SE	SE	S	W	SW	WNW	WNW	SSW	S	SE
14	SSE	SSE	SSE	SSE	SSE	SSE	S	S	(VA)	WNW	ENE	W	WNW	ENE	E	NE	ENE	SSE	W	WNW	ENE	ENE	SSW	S	SE
15	SE	ESE	S	NE	SSE	S	SSE	E	S	SSE	SSE	SSE	SSE	SSW	SSE	S	SSE	S	SE	ENE	ENE	ENE	NNE	SSE	SE
16	NW	N	ESE	W	W	WNW	NE	ENE	E	E	E	ENE	NNE	NNE	NE	N	W	SW	W	WSW	W	W	W	W	SE
17	WNW	NW	N	SSE	S	S	S	S	SW	WSW	WSW	W	W	WNW	W	W	W	W	W	WSW	W	W	W	W	SE
18	S	SSE	S	S	S	S	S	S	S	S	(VA)	(VA)	W	S	(VA)	NW	WSW	SSE	ESE	S	S	SSE	SSE	S	SE
19	SSE	SE	SE	SE	SSE	SSE	SE	SE	E	WNW	W	WNW	W	NW	NW	NW	WSW	SE	S	S	SSE	SSE	SSE	S	SE
20	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SE	(VA)	NW	W	W	NW	WNW	WNW	WSW	N	E	S	SSE	SSE	SSE	S	SE
21	SSE	SSE	SSE	SSE	SSE	SE	ESE	SSE	SE	NE	N	NW	WNW	WNW	WNW	WNW	WNW	NNE	SSE	S	S	SSE	SSE	S	SE
22	S	S	S	ESE	SSE	SSE	SSW	SSW	SSW	SSW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	N	NNE	NNE	WNW	SE
23	E	SSE	S	SE	NE	ENE	NE	NE	E	E	ENE	NNE	NNE	SE	S	(VA)	NW	N	E	SSE	SSE	SSE	SSE	S	SE
24	SSE	SSE	SSE	SSE	SE	SE	SE	SSE	(VA)	N	NW	N	NW	N	NW	NW	NW	NW	WSW	S	S	SSE	SSE	S	SE
25	SSE	SSE	SSE	SSE	S	S	SSE	ESE	ENE	NW	WNW	NW	NW	WNW	NW	ENE	(VA)	SSE	SSE	SSE	S	SSE	SSE	S	SE
26	SE	SSE	SSE	SSE	ESE	E	E	SSE	(VA)	WNW	WNW	WNW	WNW	WNW	W	WNW	(VA)	ENE	ENE	WNW	NW	SSE	SSE	S	SE
27	SE	SSE	SSE	SSE	S	SSW	SSW	SSE	(VA)	NE	ENE	ENE	ENE	ENE	W	WNW	(VA)	ENE	ENE	WNW	NW	SSE	SSE	S	SE
28	ENE	E	SW	NW	N	S	WSW	(VA)	SE	W	NW	NW	(VA)	NE	N	NNF	ENE	ESE	SSE	SSE	SSE	SSE	S	SE	
29	SSE	SSE	SSE	SSE	SE	SE	ESE	ESE	ENE	WNW	N	NW	N	W	WNW	WNW	WNW	WNW	E	S	S	SSE	SSE	S	SE
30	SE	SE	SE	SE	SSE	SSE	SE	ESE	ESE	WNW	NW	NW	W	W	WNW	W	WNW	WNW	S	S	SSE	SSE	S	S	SE
31	SSE	SSE	E	SSE	SSE	SSE	SSE	SSE	NE	(VA)	WNW	NW	NW	WNW	NW	WNW	NW	SW	S	S	SSE	SSE	S	S	SE
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	WNW	NW	WNW	NW	WNW	WNW	WNW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION (CC118)

WHITE RIVER SHALE PROJECT.#139
HONANZA, UTAH
SITE 6

LEVEL HEIGHT 1 30 METERS

NOV. 1980

AEROVIRONMENT INC.

.....

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLICK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SSE	SSE	SSE	ESE	SSE	SSE	E	NE	NW	NW	NW	W	(VA)	WSW	NNW	NE	SE	S	SSE	SSE	SSE	ESE	SSE
2	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	NE	SW	SW	NW	NW	W	W	NNW	NW	SE	SSE	S	SSE	SSE	SSE	SSE
3	SE	SSE	SSE	SSE	ESE	SE	ESE	E	SE	NE	SW	(VA)	NW	W	SW	NNW	NW	NE	SE	S	S	S	S	S	SE
4	SSE	SSE	SSE	SSE	ESE	SE	SE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	E	SSE	S	SSE	SSE	SSE	SSE
5	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	SE	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	E	SSE	S	SSE	SSE	SSE	SSE
6	SSE	SSE	SSE	SSE	SE	E	ESE	SSE	E	SSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	S	SW	WSW	S	S	S	SSE
7	WSW	(VA)	ESE	SE	ESE	SE	E	ESE	SE	(VA)	NW	NNW	W	W	WSW	SW	SW	S	S	SSE	ESE	NNE	Y	W	SE
8	NNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
9	SE	SSE	SE	SE	SE	SE	SSE	SSE	ESE	NE	N	NW	NNW	NNW	NNW	NNW	NNW	NNW	SW	S	S	SSE	SSE	SSE	NNW
10	SE	(VA)	SSE	SSE	ESE	E	SE	E	E	(VA)	NW	NW	W	NNW	NNW	NNW	(VA)	ESE	ESE	SSE	SE	SSE	SSE	SSE	SE
11	SE	SE	SSE	ENE	ESE	ENE	ESE	ESE	E	N	N	NNW	NNW	NNW	(VA)	S	NNW	S	SSW	SSE	SSE	WSW	(VA)	NNW	S
12	MM	EME	SSE	S	S	S	S	ESE	(VA)	SSE	SSW	SSW	SSW	SSW	SSW	S	S	K	NNW	(VA)	SSE	S	SSW	E	S
13	S	ESE	E	ENE	E	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	E	ENE	E	E	E	E	E	E
14	E	E	E	ESE	E	ESE	E	E	E	E	ENF	NE	NE	NE	ENE	ENE	ENE	NE	NE	NE	E	S	SSE	SSE	F
15	SSE	S	S	SSE	S	SSE	SSE	SSE	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ENE	ENE	ENE	ENE	ENE	ENE	(VA)
16	E	NE	NNW	W	SSW	SSW	SE	W	NNW	NNW	NE	E	E	W	W	W	NNW	NNW	ENE	E	SSE	SE	NNW	W	
17	W	S	S	S	S	S	SSE	SSE	SE	ESE	S	NW	NW	W	SW	W	SSE	NNE	SE	S	SSE	SSE	SSE	SSE	SSE
18	SSE	SSE	SSE	SSE	SE	SE	SE	S	SSE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	S	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SE	E	SSE	ESE	ESE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	S	SSE	SSE	SSE	SSE
20	S	SE	SSE	SSE	SE	SE	SE	SE	SSE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	S	SSE	SSE	SSE	SSE	SSE
21	SSE	SE	SSE	ESE	SSE	SE	ESE	E	S	SW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	S	SSE	SSE	SSE	SSE	SSE
22	SSE	SE	(VA)	E	S	ESE	NE	NE	ENE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	S	SSE	SSE	SSE	SSE	SSE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	S	SSE	SSE	SSE	SSE	SSE
24	(VA)	N	N	NE	NNE	NNW	NNW	NNW	NNW	NNW	W	W	NNW	SSW	S	SSW	NNW	ENE	NE	(VA)	N	ENE	SSE	(VA)	SSE
25	(VA)	SSE	SSE	S	SSE	SSW	SSW	(VA)	S	SW	W	NNW	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	(VA)	SSE	S	SE	SSE	SSE	SSE	SSE	SE	S	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSE	SSE	SSE	SSE	SSE	SSE
27	SE	SE	SSE	ESE	ESE	E	SSE	SSE	SSE	WSW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	WSW	SSE	SSE	SSE	SSE	SSE
28	SE	S	SSE	SSE	ESE	(VA)	SSE	NNE	S	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	WSW	SSE	SSE	SSE	SSE	SSE
29	SE	NNE	ENE	SSE	ESE	SSE	SE	SE	(VA)	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	ENE	(VA)	SSE	ENE	(VA)	SSE
30	ENE	SSE	SSE	ESE	NNE	NE	NNE	NNE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SW	ENE	W	SW	SSW	W	S
PV	SSE	SSE	SSE	SSE	SE	SE	SSE	SSE	SE	NE	NNW	NNW	NNW	NNW	(VA)	NNW	NNW	NNW	NE	SSE	S	SSE	S	SSE	SSE

WIND DIRECTION (CC1181)
 DEGREES
 LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 DEC. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	265	280	275	245	310	190	245	260	150	280	(VAI)	285	280	255	240	220	230	275	155	165	160	150	155	135	11
2	125	145	145	65	170	175	110	120	215	5	285	275	285	240	275	275	265	135	125	95	90	110	220	315	7
3	35	10	165	90	70	(VAI)	45	285	245	320	245	(VAI)	340	310	320	285	195	190	200	205	215	240	40	(VAI)	
4	80	95	120	35	155	190	100	200	185	200	200	(VAI)	200	210	210	220	210	205	260	175	195	190	200	170	10
5	190	185	175	210	115	185	125	155	20	350	345	280	290	280	(VAI)	250	295	285	310	50	145	145	115	35	(VAI)
6	155	45	(VAI)	180	155	265	190	280	290	295	(VAI)	155	130	45	0	60	115	190	170	(VAI)	260	340	350	40	9
7	200	20	235	200	275	135	115	50	45	45	10	50	20	15	40	55	(VAI)	50	70	90	65	60	100	3	
8	110	90	80	35	90	50	350	70	115	350	20	70	310	325	325	300	265	255	170	170	170	165	155	9	
9	155	155	145	140	25	180	240	350	290	280	280	295	290	265	270	245	160	130	165	165	155	145	160	140	
10	155	150	150	165	155	165	165	125	140	150	(VAI)	340	340	295	275	315	355	310	(VAI)	180	175	155	160	160	
11	145	65	65	165	160	150	165	165	165	190	265	290	285	270	290	285	265	290	160	165	170	165	160	165	160
12	145	155	170	145	145	110	160	155	110	65	280	295	345	300	270	275	300	40	205	165	155	175	155	165	160
13	170	165	145	140	145	130	155	150	155	120	305	285	310	310	300	295	330	80	170	165	165	170	165	170	160
14	165	165	135	155	95	155	170	140	55	125	30	60	295	295	290	320	330	195	165	160	160	160	170	185	160
15	180	160	90	(VAI)	120	100	125	140	105	100	330	285	280	270	240	0	35	220	285	205	170	165	150	95	160
16	150	160	155	105	140	150	190	80	95	140	310	245	285	285	275	275	250	190	165	175	180	155	150	150	160
17	90	170	135	90	120	155	160	145	150	100	245	320	5	295	275	270	265	260	155	115	160	185	155	145	160
18	155	135	85	135	155	145	85	90	115	30	330	320	290	280	280	275	270	280	165	170	155	110	175	170	160
19	170	165	160	165	145	155	155	165	165	215	290	0	340	280	285	275	270	350	155	175	160	160	170	165	160
20	160	140	155	145	155	155	145	105	95	125	350	275	280	290	295	285	295	230	175	170	165	165	150	170	160
21	165	165	135	175	160	145	115	110	115	(VAI)	320	280	275	295	280	290	290	120	165	120	25	(VAI)	350	(VAI)	(VAI)
22	55	140	125	100	135	(VAI)	335	95	55	45	35	30	(VAI)	225	255	215	190	210	135	5	285	250	270	195	160
23	130	100	160	185	235	175	160	150	125	180	230	270	255	295	300	265	(VAI)	115	170	165	170	170	160	160	160
24	165	160	145	145	110	150	130	140	145	80	300	315	285	280	280	270	275	245	170	160	165	140	75	160	7
25	150	220	55	145	115	155	65	65	80	70	25	260	285	275	270	255	290	205	165	185	195	160	135	160	160
26	145	155	100	135	60	175	155	165	165	130	345	340	305	220	330	315	355	300	170	170	175	170	165	160	160
27	165	145	150	165	145	140	165	155	160	120	315	40	315	335	305	255	275	290	95	175	170	165	175	170	160
28	170	120	170	90	160	70	55	160	185	110	260	330	285	275	275	295	(VAI)	170	170	170	160	165	170	160	160
29	160	165	165	160	150	150	155	160	120	120	75	300	290	305	315	275	260	(VAI)	170	170	165	145	150	170	160
30	130	160	160	160	145	160	130	165	155	60	(VAI)	340	310	295	275	270	270	325	135	165	175	175	155	160	160
31	160	125	150	120	160	145	115	120	70	(VAI)	345	280	290	270	270	265	275	265	135	165	165	160	155	165	160
PV	8	8	8	6	7	8	7	7	6	6	6	15	14	14	14	13	14	13	13	8	9	9	8	8	8

WIND DIRECTION (CC:18)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE #

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	W	W	WSW	NW	S	WSW	W	SSE	W	(VAI)	MNW	W	WSW	WSW	SW	SW	W	SSE	SSE	SSE	SSE	SE	SE	W
2	SE	SE	SE	ESE	SE	S	ESE	ESE	SW	SW	(VAI)	MNW	W	WSW	WSW	SW	SW	W	SSE	SSE	SSE	SSE	SE	SE	W
3	NE	N	N	E	E	(VAI)	NE	MNW	WSW	NW	WSW	(VAI)	MNW	NW	NW	MNW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	(VAI)
4	E	E	E	SE	SE	S	E	SSW	S	SSW	SSW	(VAI)	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	(VAI)
5	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SSE	NE	(VAI)	S	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	S
7	SSW	NNE	SW	SSW	W	SE	ESE	NE	NE	NE	N	NE	NNE	NE	NE	ENE	ESE	S	(VAI)	W	MNW	N	NE	S	
8	ESE	E	E	E	E	NE	N	ENE	ESE	N	NRE	ENE	NW	NW	N	WSW	W	W	SSE	SSE	SSE	SSE	SSE	SSE	W
9	SSE	SSE	SSE	SSE	SSE	S	WSW	SSE	SE	SE	(VAI)	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	(VAI)	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
11	SE	ENE	ENE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	W	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
12	SE	SSE	S	SE	SE	SE	SSE	SSE	ESE	ENE	W	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
13	S	SSE	SE	SE	SE	SE	SSE	SSE	ESE	ENE	W	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
14	SSE	SSE	SE	SSE	E	SSE	S	SE	NE	SE	NRE	ENE	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
15	SE	SSE	E	(VAI)	ESE	E	SE	SE	ESE	E	NRE	MNW	W	WSW	N	NE	SW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
16	SSE	SSE	SSE	ESE	SE	SSE	S	E	SE	SE	NW	WSW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	W
17	E	S	SE	E	ESE	SSE	SE	SE	ESE	E	WSW	NW	N	MNW	W	W	W	W	SSE	ESE	SSE	SSE	SSE	SSE	W
18	SSE	SE	E	SE	SSE	SE	E	E	ESE	NNE	NW	MNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	W
19	S	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SW	MNW	N	MNW	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	W
20	SSE	SE	SSE	SE	SSE	SSE	SE	ESE	E	SE	N	W	W	MNW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
21	SSE	SSE	SE	S	SSE	SE	ESE	ESE	ESE	(VAI)	MNW	W	W	MNW	MNW	MNW	MNW	MNW	SSE	ESE	NRE	(VAI)	N	(VAI)	W
22	NE	SE	SE	E	SE	(VAI)	MNW	E	NE	NE	NE	(VAI)	SW	WSW	SW	SW	SW	SW	SE	N	MNW	SW	K	SSW	NE
23	SE	E	SSE	S	SW	S	SSE	SSE	SE	S	SW	W	WSW	MNW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
24	SSE	SSE	SE	SE	ESE	SSE	SE	SE	SE	E	WRW	NW	MNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	W
25	SSE	SW	NE	SE	SE	ESE	SSE	ENE	E	ENE	NRE	W	MNW	W	W	WSW	MNW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	W
26	SE	SSE	E	SE	ENE	S	SSE	SE	SSE	SSE	SE	MNW	MNW	MNW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
27	SSE	SE	SSE	SSE	SE	SE	SSE	SSE	SSE	ESE	NW	NE	MNW	SW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
28	S	ESE	S	E	SSE	ENE	NE	SSE	S	ESE	W	MNW	MNW	W	W	MNW	(VAI)	S	SSE	SSE	SSE	SSE	SSE	SSE	W
29	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	ESE	ESE	ENE	MNW	MNW	MNW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
30	SE	SSE	SSE	SSE	SE	SSE	SE	SSE	SSE	ESE	ENE	MNW	MNW	MNW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W
31	SSE	SE	SSE	ESE	SSE	SE	ESE	ESE	ENE	(VAI)	MNW	W	MNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	W
PV	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SSE	ESE	NW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	SSE	SSE	SSE	SSE	SSE	SSE	W

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JAN. 1980
 AEROVIRONMENT INC.

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-7	-7	-7	-8	-8	-8	-8	-9	-8	-7	-6	-5	-5	-4	-4	-4	-5	-6	-6	-8	-8	-7	-7	-7	-7	-4
2	-7	-7	-8	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-5	-5	-5	-6	-6	-7	-7	-8	-8	-8	-8	-8	-5
3	-8	-8	-8	-9	-9	-9	-10	-11	-11	-10	-8	-7	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8	-9	-9	-9	-7
4	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-7	-7	-7	-7	-7	-8	-8	-8	-9	-9	-9	-9	-7
5	-9	-9	-9	-10	-10	-10	-11	-11	-11	-10	-10	-8	-8	-7	-7	-7	-7	-7	-8	-8	-9	-9	-9	-10	-10	-7
6	-12	-11	-11	-10	-10	-9	-12	-10	-9	-5	-2	0	2	0	-1	-1	-2	-3	-3	-7	-9	-8	-8	-8	-8	2
7	-8	-8	-8	-9	-10	-9	-9	-10	-10	-9	-7	-5	-3	-1	0	-1	-1	-3	-4	-5	-6	-7	-6	-4	0	
8	-6	-6	-6	-7	-6	-6	-7	-7	-7	-5	-4	-3	-1	0	1	2	1	2	3	3	3	3	4	4	-2	
9	3	2	2	2	2	2	3	4	5	5	5	6	5	5	5	5	5	4	5	5	5	5	5	4	6	
10	5	5	5	5	5	5	5	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
11	-9	-11	-12	-13	-13	-14	-14	-15	-15	-13	-11	-9	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
12	-7	-6	-6	-6	-6	-6	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-5	-5	-5	-6	-6	-6	-6	-6	-6	-7
13	-8	-8	-9	-9	-9	-9	-9	-9	-9	-7	-4	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	-10
14	9	9	8	8	8	8	8	8	8	2	2	3	3	5	5	5	4	2	3	3	3	2	2	1	7	9
15	1	1	1	0	0	-1	-1	-1	-1	-1	0	1	1	2	3	4	3	2	1	0	0	0	0	0	0	5
16	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	4
17	0	0	0	0	-1	-1	-1	-1	-1	-1	0	1	1	2	1	1	1	1	1	1	1	0	0	0	0	2
18	0	0	-1	-1	-1	-1	-1	-1	-1	0	0	1	2	2	2	2	2	2	2	1	1	1	1	1	1	2
19	-3	-4	-4	-4	-5	-5	-5	-5	-6	-6	-5	-6	-4	-4	-4	-5	-5	-5	-5	-5	-5	-6	-6	-6	-6	2
20	-6	-8	-9	-4	-8	-8	-8	-7	-8	-6	-5	-5	-5	-4	-4	-4	-5	-5	-5	-5	-6	-7	-7	-6	-6	-4
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-5	-4
22	-5	-6	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-5	-5	-4
23	-8	-8	-9	-9	-10	-10	-10	-11	-10	-9	-8	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-2
24	-7	-8	-7	-7	-8	-8	-8	-8	-8	-8	-7	-7	-6	-6	-6	-5	-5	-5	-6	-6	-6	-7	-7	-7	-7	-1
25	-8	-7	-6	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-3	-2	-1	0	-2	-3	-4	-5	-6	-6	-7	-5	0
26	-8	-8	-8	-9	-9	-9	-10	-11	-10	-9	-7	-6	-5	-4	-4	-5	-6	-8	-9	-10	-11	-11	-12	-12	-12	-4
27	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-8	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5
28	-6	-6	-7	-6	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6
29	-8	-9	-9	-9	-9	-9	-9	-9	-9	-8	-7	-6	-5	-6	-5	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-7
30	-10	-12	-13	-15	-15	-16	-17	-18	-18	-16	-14	-13	-11	-10	-9	-9	-10	-10	-10	-10	-10	-10	-10	-10	-10	-9
31	-20	-20	-21	-21	-22	-23	-22	-23	-23	-21	-18	-16	-14	-13	-12	-12	-13	-13	-14	-15	-15	-15	-15	-15	-15	-12
AV	-6	-6	-6	-6	-6	-7	-7	-7	-7	-6	-5	-4	-4	-4	-3	-3	-3	-4	-4	-4	-5	-6	-6	-6	-6	1
SD	5	6	6	6	6	6	6	6	6	5	5	5	5	4	4	4	4	4	4	5	5	5	5	5	5	1

WIND DIRECTION (CCIR)

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE # 6

DEC. 1960

AEROVERDIPMENT INC.

.....
* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAR/61 * * * * *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	W	SE	SE	W	WSW	NW	S	W	SSE	W	(VA)	WNW	W	WSW	WSW	SW	SW	W	SSE	SSE	SSE	SSE	SE	SE	W
2	SE	SE	SE	ENE	ENE	ENE	ENE	ESE	ENE	N	WNW	WNW	WNW	WSW	W	W	W	SE	SE	E	ESE	SE	SE	SE	W
3	NE	N	SSE	E	ENE	(VA)	NE	WNW	WSW	NW	WSW	(VA)	WNW	NW	NW	WNW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	(VA)
4	E	E	ESE	NE	SSE	S	E	SSW	S	SSW	SSW	(VA)	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
5	S	S	S	SSE	ESE	S	SE	SSE	NNE	N	WNW	W	WNW	W	(VA)	WSW	WNW	WNW	NW	NE	SE	SE	ESE	NE	(VA)
6	SSE	NE	(VA)	S	SSE	W	S	W	WNW	WNW	(VA)	SSE	SE	NE	N	ENE	ENE	S	(VA)	W	WNW	N	NE	NE	S
7	SSW	NNE	SW	SSW	W	SE	ESE	NE	NE	N	ENE	NNE	NNE	NNE	NE	NE	(VA)	NE	ENE	ENE	E	ENE	ENE	E	NE
8	ESE	E	E	NE	E	NE	N	ENE	ESE	N	NNE	NW	NW	NW	NW	NW	W	WSW	W	SSE	SSE	SSE	SSE	SSE	W
9	SSE	SSE	SE	SE	NNE	S	WSW	N	WNW	W	W	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	W
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	(VA)	WNW	WNW	WNW	WNW	WNW	N	NW	(VA)	S	S	SSE	SSE	SSE	SSE
11	SE	ENE	ENE	SSE	SSE	SSE	SSE	SSE	SSE	W	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
12	SE	SSE	S	SE	SE	ESE	SSE	SSE	ESE	ENE	W	WNW	WNW	WNW	WNW	WNW	W	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
13	S	SSE	SE	SE	SE	SE	SE	SE	SE	ENE	W	WNW	WNW	WNW	WNW	WNW	W	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SE	SSE	E	SSE	S	SE	NE	SE	NNE	ENE	WNW	WNW	WNW	WNW	NW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SE	SSE	E	(VA)	ESE	E	SE	NE	ESE	E	WNW	WNW	W	WSW	N	NE	SW	WNW	SSW	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	ESE	SE	SSE	S	E	E	SE	NW	WSW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
17	E	S	SE	E	ESE	SSE	SSE	SE	SSE	E	WSW	NW	N	WNW	W	W	W	W	ESE	SSE	SSE	SSE	SSE	SSE	SSE
18	SSE	SE	E	SE	SE	SE	E	E	ESE	NNE	WNW	WNW	WNW	WNW	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	S	SSE	SSE	SSE	SE	SSE	SE	E	ESE	SSE	SW	WNW	N	WNW	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SE	SSE	SE	SSE	SSE	SE	ESE	E	SE	N	W	WNW	WNW	WNW	WNW	WNW	SW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SE	S	SSE	SE	ESE	ESE	ESE	(VA)	NW	W	W	WNW	WNW	WNW	WNW	ESE	SSE	ESE	NNE	(VA)	N	(VA)	
22	NE	SE	SE	E	SE	(VA)	WNW	E	NE	NE	NNE	(VA)	SW	SW	SW	SW	SW	SW	SE	N	NW	WSW	N	(VA)	(VA)
23	SE	E	SSE	S	SW	S	SBE	SSE	SE	SE	SE	SW	W	WSW	WNW	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	SSE	SSE	SE	SE	ESE	SSE	SE	SE	SE	E	WNW	WNW	WNW	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25	SSE	SW	NE	SE	SE	ESE	SSE	ENE	ENE	ENE	W	WNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	SE	SSE	E	SE	ENE	S	SSE	ENE	ENE	ENE	W	WNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
27	SSE	SE	SSE	SSE	SE	SE	SE	SE	SSE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	S	ESE	S	E	SSE	ENE	NE	SE	ESE	W	WNW	WNW	W	W	W	W	W	W	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	SE	SSE	SSE	SSE	SE	SSE	SE	SSE	SSE	ENE	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	SSE	SSE	SSE	SSE	SSE	SSE
31	SSE	SE	SSE	ESE	SE	ESE	ESE	ESE	ENE	(VA)	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SSE	SE	SSE	SE	SE	SE	SSE	ESE	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSE	SSE	SSE	SSE	SSE	SSE	SSE

TEMPERATURE (CC1031

DEGREES CELSIUS

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

JAN. 1980

AEROSCIENCE INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	-7	-7	-7	-8	-8	-8	-8	-9	-8	-7	-6	-5	-5	-4	-4	-5	-6	-6	-6	-8	-8	-7	-7	-7	-7	-9
2	-8	-8	-8	-9	-9	-10	-10	-11	-11	-10	-8	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-8	-8
3	-8	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
4	-8	-9	-9	-9	-9	-10	-11	-11	-11	-10	-10	-8	-8	-7	-7	-7	-7	-8	-8	-8	-8	-8	-8	-8	-8	-8
5	-9	-9	-9	-10	-11	-11	-12	-10	-9	-5	-2	0	2	0	-1	-1	-2	-3	-3	-7	-9	-9	-10	-10	-9	-7
6	-11	-11	-11	-11	-10	-11	-12	-10	-9	-5	-2	0	2	0	-1	-1	-2	-3	-3	-7	-9	-9	-10	-10	-9	-7
7	-8	-8	-8	-9	-10	-9	-9	-10	-10	-9	-7	-5	-3	-1	0	-1	-3	-4	-5	-6	-7	-8	-8	-8	-8	-8
8	-6	-6	-6	-7	-6	-6	-7	-7	-7	-5	-4	-3	-1	0	1	2	3	3	3	3	3	3	3	3	3	3
9	3	2	2	2	2	2	2	3	4	5	5	6	5	5	5	5	5	5	4	5	5	5	5	5	5	4
10	5	5	5	5	5	5	5	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
11	-9	-11	-12	-13	-13	-14	-14	-15	-15	-13	-11	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
12	-7	-6	-6	-6	-7	-6	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
13	-8	-8	-9	-9	-9	-9	-9	-9	-8	-7	-4	-2	-1	-1	0	0	0	0	0	1	0	0	0	0	0	0
14	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
15	1	1	1	0	0	-1	-1	-1	-1	-1	0	1	1	2	3	4	3	2	3	3	2	2	2	2	2	2
16	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0
17	0	0	0	0	-1	-1	-1	-1	-1	-1	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	-3	-4	-4	-4	-5	-5	-5	-5	-6	-6	-5	-6	-4	-5	-4	-5	-5	-5	-5	-5	-5	-6	-6	-6	-6	-6
20	-6	-8	-9	-4	-8	-8	-8	-7	-8	-6	-5	-5	-5	-5	-4	-5	-5	-5	-5	-5	-5	-6	-6	-6	-6	-6
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
22	-5	-6	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-4	-3	-2	-2	-2	-3	-3	-4	-5	-6	-6	-6	-6	-6
23	-8	-8	-9	-9	-10	-10	-10	-11	-10	-9	-8	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
24	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
25	-8	-7	-6	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
26	-8	-8	-8	-9	-9	-9	-10	-11	-10	-9	-7	-6	-5	-4	-4	-5	-6	-8	-9	-10	-11	-11	-11	-11	-11	-11
27	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-8	-7	-6	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
28	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
29	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
30	-10	-12	-13	-15	-15	-16	-17	-18	-18	-16	-14	-13	-11	-10	-9	-9	-9	-10	-10	-11	-11	-11	-11	-11	-11	-11
31	-20	-20	-21	-21	-22	-23	-22	-23	-23	-21	-18	-16	-14	-13	-12	-12	-13	-14	-15	-15	-15	-15	-15	-15	-15	-15
AV	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
SD	5	6	6	6	6	6	6	6	6	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4

TEMPERATURE ICC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 FEB. 1980
 AFROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	-16	-17	-17	-16	-17	-16	-19	-16	-16	-17	-15	-14	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	-17	-14	
2	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
3	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
4	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
5	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
6	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
7	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
8	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	(IMI)	
9	-17	-17	-16	-19	-19	-20	-21	-21	-20	-17	-14	-13	-11	-10	-9	-9	-6	-7	-8	-11	-13	-14	-15	-16	-16	-11	-6	
10	-18	-19	-19	-19	-20	-21	-20	-20	-19	-17	-15	-13	-11	-10	-9	-9	-10	-12	-13	-14	-16	-17	-17	-18	-18	-16	-9	
11	-18	-18	-19	-19	-19	-20	-20	-20	-19	-16	-14	-12	-9	-8	-7	-7	-8	-9	-11	-12	-14	-15	-16	-16	-16	-16	-8	
12	-16	-16	-17	-17	-18	-18	-19	-19	-18	-16	-14	-12	-9	-7	-7	-8	-9	-10	-11	-12	-14	-15	-16	-16	-16	-14	-7	
13	-13	-15	-15	-14	-14	-14	-14	-14	-13	-12	-10	-6	-5	-3	-3	-3	-3	-5	-8	-9	-11	-12	-12	-12	-12	-13	-7	
14	-8	-8	-6	-7	-7	-7	-7	-7	-7	-7	-4	-3	-2	-2	-2	-2	-2	-2	-3	-3	-3	-3	-4	-4	-4	-2	-2	
15	-5	-5	-7	-6	-6	-5	-5	-6	-6	-4	-2	1	2	2	2	2	0	-2	-2	-2	-2	-2	-2	-2	-3	-3	-2	
16	-4	-3	-4	-4	-4	-5	-5	-5	-4	-3	-2	-1	0	0	0	0	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	0	
17	-3	-3	-3	-3	-3	-3	-3	-3	-2	-1	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0	
18	0	1	4	5	4	2	1	1	2	3	8	6	5	3	2	1	1	1	2	2	3	3	2	2	2	2	3	A
19	3	2	2	2	2	2	2	2	2	3	4	6	8	9	10	9	8	8	7	5	5	4	4	4	4	4	5	10
20	2	1	2	2	2	2	2	2	2	3	4	4	6	8	7	7	7	6	5	4	3	3	2	2	2	2	4	A
21	2	2	2	2	1	1	0	0	1	3	5	4	4	6	6	6	6	4	3	2	1	0	0	0	0	0	2	6
22	0	0	0	0	0	0	0	0	1	3	3	4	5	6	6	6	6	5	4	2	2	2	2	2	2	2	2	6
23	0	0	0	0	0	1	0	-1	0	0	1	2	4	4	5	4	4	2	1	0	0	0	0	0	0	0	1	5
24	0	-1	-2	-2	-3	-3	-3	-3	-3	-1	0	1	2	3	4	4	4	1	3	0	0	0	0	0	0	0	0	4
25	-2	-3	-4	-4	-4	-5	-5	-5	-4	-1	0	0	1	3	3	4	4	3	2	1	0	-1	-1	-1	-1	-1	1	7
26	-2	-2	-2	-2	-3	-3	-4	-4	-2	0	1	2	4	5	6	7	7	7	5	4	2	1	1	1	1	1	1	7
27	-1	-1	-2	-2	-2	-3	-3	-3	-1	1	4	6	9	10	10	9	7	6	4	4	2	1	1	1	1	1	3	10
28	1	0	0	0	-1	-2	-2	-1	1	4	5	7	7	8	9	10	10	8	6	7	5	4	4	4	4	4	10	10
29	1	3	2	1	1	1	1	1	2	3	4	5	5	6	7	7	7	6	5	4	3	3	2	2	2	2	4	A
AV	-5	-5	-6	-6	-6	-6	-6	-7	-6	-4	-2	-1	0	1	2	2	1	0	-1	-2	-3	-3	-3	-3	-3	-3	1	1
SD	7	8	8	A	A	A	A	A	A	A	A	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	1

TEMPERATURE (CC:031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 MAR, 1980
 AERDVIROMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2	1	1	0	0	0	0	0	1	2	3	4	5	6	6	6	6	6	5	3	1	0	0	-1	2	6
2	-1	-1	1	-2	-3	-3	-3	-3	-2	-1	0	1	3	6	7	8	7	6	6	5	3	4	1	1	2	8
3	1	1	1	3	3	1	0	0	1	2	3	6	8	8	8	9	8	7	6	5	2	3	3	4	3	8
4	4	4	3	3	2	2	1	0	1	2	3	6	7	7	8	9	8	7	6	5	4	5	6	7	8	9
5	4	2	2	2	3	3	2	2	3	5	7	7	8	8	8	8	8	7	7	6	6	6	6	6	5	8
6	5	6	6	2	0	1	1	2	2	2	3	3	0	1	1	1	2	2	2	1	1	1	1	0	5	8
7	0	0	0	0	-1	-1	-2	-2	0	1	2	2	2	3	4	5	6	6	5	4	4	2	1	1	2	5
8	1	1	1	0	-1	-2	-2	-2	0	2	4	5	6	6	7	7	7	7	6	4	3	2	2	1	2	6
9	0	0	-1	-1	-2	-2	-2	-2	0	2	4	6	7	8	9	9	9	8	6	4	3	2	2	1	2	6
10	1	1	0	-1	-2	-2	-2	-2	0	1	1	2	3	3	3	3	3	2	1	0	0	0	0	0	2	6
11	0	-1	-2	-2	-3	-3	-3	-3	-2	-1	1	2	3	3	3	3	3	2	1	0	0	0	0	0	2	6
12	3	3	1	1	1	0	-1	-1	-2	0	1	2	3	3	3	3	3	2	1	0	0	0	0	0	1	3
13	-4	-4	-4	-4	-5	-5	-5	-5	-3	0	2	4	5	7	8	8	9	8	7	6	4	4	4	3	1	3
14	2	1	0	-1	-1	-2	-2	-1	2	5	8	10	11	12	13	13	13	13	11	10	9	8	7	7	6	13
15	6	6	7	6	6	5	4	4	5	6	7	10	10	10	10	11	11	11	11	10	9	8	7	7	7	11
16	2	2	0	-1	-1	-2	-3	-3	-2	-1	0	1	1	2	2	2	2	1	0	-2	-3	-4	-5	-6	-1	2
17	-6	-7	-7	-7	-8	-9	-9	-8	-3	-3	-1	1	3	4	4	4	6	6	4	3	2	1	0	-1	-1	6
18	-2	-4	-5	-6	-6	-6	-6	-6	-3	0	2	5	10	13	13	13	13	13	11	10	9	8	7	7	7	13
19	0	-1	-1	-2	-2	-3	-3	-2	1	5	7	8	9	9	10	10	10	9	7	5	3	3	2	1	2	13
20	-1	-1	-2	-2	-3	-4	-4	-3	0	3	5	7	8	10	11	11	11	10	9	7	7	6	6	5	4	10
21	1	1	0	-1	-1	0	0	0	4	9	11	12	12	12	13	13	13	12	11	10	9	8	7	7	7	14
22	3	2	1	1	1	1	1	1	1	2	3	5	6	6	7	7	6	5	4	3	2	2	2	2	2	13
23	2	1	0	-2	0	0	0	0	1	4	5	6	7	7	7	7	9	8	6	5	6	5	5	6	5	7
24	1	2	1	1	1	1	1	2	2	6	6	8	8	9	9	10	10	9	8	7	6	6	6	5	4	9
25	0	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-1	-1	0	0	0	-2	-1	0	0	0	0	0	10
26	-2	-2	-3	-3	-4	-4	-5	-5	-4	-2	2	0	2	3	4	4	4	4	3	2	1	0	-2	-2	0	4
27	-3	-4	-4	-4	-5	-5	-5	-4	-2	0	3	4	6	6	6	7	5	2	1	0	0	0	-1	-1	0	7
28	-1	-1	-2	-2	-2	-2	-2	-2	-1	0	2	3	4	4	5	4	3	3	2	2	1	1	1	1	1	5
29	0	0	0	0	-2	-3	-3	-1	1	2	4	5	6	6	7	7	8	7	7	5	4	2	1	1	1	8
30	-1	1	0	-1	-1	-2	-2	-1	1	3	4	6	5	-1	0	-3	-4	-5	-4	-5	-4	-6	-7	-8	8	
31	-10	-10	-11	-11	-10	-11	-12	-11	-9	-6	-5	-3	-3	-1	0	1	1	1	1	0	0	-1	-2	-2	-5	1
AV	0	0	-1	-1	-2	-2	-2	-2	0	2	3	4	5	6	6	6	6	5	4	3	3	3	3	3	2	1
SD	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	1

ABOUT (29 JAN 81)

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 APR. 1960
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-3	-2	-3	-2	-2	-3	-3	-2	-1	0	0	2	2	2	3	3	3	3	3	2	1	0	0	0	0	3	
2	0	-1	-1	-2	-2	-2	-3	-4	-3	-2	-2	-1	0	0	1	2	2	2	2	2	1	0	-1	-3	-4	-1	
3	-5	-5	-5	-6	-5	-7	-7	-5	-1	0	3	4	4	5	5	6	6	6	6	4	3	2	2	2	0	6	
4	2	2	2	1	1	-1	-1	-3	3	6	7	9	10	11	11	12	12	12	11	9	8	6	5	4	6	12	
5	4	3	3	2	2	2	3	3	5	6	10	13	13	14	14	13	13	13	11	10	9	7	6	6	6	15	
6	6	7	7	6	5	4	3	5	7	8	9	10	10	11	11	12	11	10	9	8	5	4	4	4	4	7	
7	4	3	0	-1	0	0	0	0	2	3	4	5	4	5	6	5	4	3	2	1	0	-1	-1	-3	2	6	
8	-4	-4	-5	-5	-5	-5	-6	-4	-1	0	3	6	7	8	9	10	10	9	7	6	4	4	4	4	2	10	
9	0	0	0	-1	-2	-2	-2	0	3	6	9	11	12	14	15	16	16	15	14	12	11	10	10	9	7	14	
10	7	7	7	6	6	6	8	5	9	9	10	11	10	11	9	9	8	5	5	4	3	3	3	2	7	11	
11	1	1	-1	-2	-2	-4	-3	-2	1	2	4	5	6	6	5	6	5	4	3	2	1	1	1	1	2	6	
12	1	-1	-3	-4	-5	-6	-5	-2	1	2	4	5	6	6	5	6	5	4	3	2	2	2	1	0	1	6	
13	-1	-3	-4	-5	-5	-6	-4	-2	0	2	4	5	6	6	5	6	5	4	3	2	2	2	1	0	1	12	
14	0	-1	-1	-2	1	2	1	0	4	6	10	12	13	15	16	16	16	16	16	12	11	9	9	8	7	16	
15	4	5	4	3	2	1	2	4	8	7	13	15	17	18	18	17	18	16	16	12	11	10	7	7	10	18	
16	5	1	2	1	0	0	0	3	7	10	12	13	15	15	16	16	16	15	15	12	10	10	7	5	9	16	
17	4	3	2	1	0	-1	-1	2	7	10	12	15	14	17	19	20	20	20	18	15	12	10	9	7	10	20	
18	7	5	4	3	2	2	1	4	9	12	16	18	20	21	22	22	22	22	21	19	13	12	11	9	12	24	
19	9	7	4	5	4	6	6	6	11	14	17	20	23	23	24	24	23	22	20	17	13	12	11	9	14	22	
20	10	9	7	6	5	4	4	8	11	16	19	22	23	24	25	24	23	22	20	16	15	14	14	14	14	25	
21	14	15	16	16	16	14	15	18	20	19	19	20	21	14	16	16	15	15	15	12	12	12	11	9	16	21	
22	6	8	7	7	6	6	5	7	9	12	14	17	18	18	18	19	19	18	17	14	14	14	14	13	13	19	
23	12	9	9	9	8	8	10	10	9	10	12	13	9	8	11	11	11	11	10	10	10	13	10	9	10	13	
24	8	7	7	7	7	7	7	8	9	10	13	14	14	14	14	15	15	15	15	13	13	12	11	10	11	15	
25	10	9	9	8	6	4	5	7	10	13	13	15	15	17	17	18	18	17	16	15	14	14	12	12	12	18	
26	10	9	6	4	3	3	3	6	9	10	12	13	15	16	16	17	17	17	17	15	13	10	9	8	11	17	
27	8	7	5	4	4	3	4	7	10	14	16	17	18	19	19	20	20	19	19	17	15	14	13	13	14	20	
28	12	11	9	8	7	6	7	10	13	17	18	20	21	21	21	21	20	20	20	18	15	15	14	13	15	21	
29	13	10	10	9	9	11	11	13	15	17	19	20	21	21	22	20	13	13	13	11	9	10	10	10	10	22	
30	10	8	8	8	8	8	8	10	10	10	11	12	10	8	10	12	12	12	11	9	9	9	9	9	9	10	12
AV	5	4	4	3	2	2	2	4	6	8	10	12	13	13	14	14	14	13	13	11	9	8	7	6	6	11	
SD	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	11	

TEMPERATURE (CC:031)

DEGREES CELSIUS

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, M139
BONANZA, UTAH
SITE 6

MAY, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9	9	8	8	8	8	9	10	11	12	14	15	16	16	16	14	13	13	14	12	11	10	9	9	11	16	
2	8	8	8	7	7	7	7	9	10	13	14	16	16	17	17	17	16	16	15	14	12	11	10	9	9	12	17
3	8	8	8	8	7	7	7	9	10	13	15	17	18	19	20	20	20	18	16	14	13	13	13	14	14	13	20
4	13	12	12	11	10	8	8	10	13	15	17	19	19	21	21	20	21	20	17	16	15	11	10	11	11	15	21
5	11	10	10	9	8	7	8	10	12	13	15	16	17	18	17	14	16	15	15	14	13	12	12	11	11	13	18
6	11	10	10	9	9	9	11	13	15	16	17	19	16	14	13	14	14	14	15	13	13	12	12	11	13	19	
7	11	10	10	10	10	9	10	11	13	15	15	12	13	16	17	17	16	11	10	10	10	9	9	9	12	17	
8	9	9	9	8	8	8	9	10	12	14	14	14	14	14	16	17	18	18	16	11	11	10	11	11	11	12	18
9	11	10	10	10	10	8	8	10	12	15	15	13	14	14	15	15	11	10	10	9	9	8	8	8	8	11	15
10	7	7	6	6	6	6	6	8	9	12	13	12	14	14	15	16	15	11	9	9	9	8	7	7	7	10	16
11	7	7	6	6	5	4	4	5	6	7	9	8	7	8	9	8	6	6	6	6	5	5	3	3	3	6	9
12	3	3	3	4	4	4	4	4	6	6	6	7	8	9	10	10	9	8	6	5	5	5	5	5	5	6	10
13	5	5	4	2	2	2	3	5	7	8	9	10	11	12	13	10	11	11	10	10	9	8	7	6	6	8	13
14	5	4	4	3	3	2	4	6	8	9	11	13	14	15	15	15	15	14	13	12	11	10	9	8	9	15	
15	7	6	5	5	4	4	5	7	9	12	13	15	15	15	15	16	16	16	16	14	13	13	12	12	11	16	
16	11	10	8	7	7	6	6	10	12	13	14	16	16	15	14	16	16	12	11	7	7	7	7	6	11	16	
17	5	5	5	5	5	4	5	6	6	7	7	8	9	10	10	11	11	11	11	10	9	8	6	6	6	11	16
18	5	4	3	3	2	2	3	6	8	10	12	13	15	16	17	17	17	18	18	17	14	12	10	9	10	18	
19	9	8	7	7	6	5	7	10	13	15	17	18	19	20	21	21	22	21	21	19	18	15	14	14	14	22	
20	13	11	11	9	8	7	8	11	14	16	18	20	22	23	23	23	23	23	23	21	19	16	15	14	16	23	
21	12	12	10	10	9	8	10	12	15	17	20	22	24	25	26	26	26	26	26	24	21	18	17	15	18	26	
22	14	13	13	11	9	9	10	13	15	17	19	23	26	27	27	26	26	24	21	19	19	19	19	18	18	27	
23	18	17	16	15	14	14	14	15	16	17	17	18	19	19	20	20	20	20	18	16	15	15	17	17	16	20	
24	16	16	15	14	14	13	14	15	15	15	16	16	16	14	11	10	9	8	9	8	7	6	6	6	6	16	
25	6	6	5	5	5	5	6	7	8	7	8	9	10	11	11	8	7	6	6	5	4	3	3	2	6	11	
26	1	0	0	0	-1	-1	1	5	8	11	12	14	16	17	17	18	18	17	16	14	11	9	9	8	10	18	
27	7	6	5	5	4	4	6	9	14	18	19	20	21	21	22	22	21	21	21	17	14	12	10	14	22		
28	10	11	9	8	7	6	8	12	17	18	18	19	20	21	22	22	21	21	20	17	15	15	15	14	16	22	
29	13	12	12	11	10	10	10	9	8	11	13	15	16	17	18	19	19	18	17	16	14	12	11	11	14	19	
30	11	11	10	9	8	8	9	11	13	15	17	19	20	20	22	22	22	22	21	18	15	13	11	15	22		
31	10	9	8	7	5	5	7	11	13	14	16	17	18	19	19	20	21	21	20	19	17	15	14	13	14	21	
AV	9	9	8	7	7	6	7	9	11	13	14	15	16	17	17	17	16	15	14	13	11	11	10	10	12	1	
SD	4	4	4	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	3	1

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

JUN, 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE
1	11	10	9	8	7	7	9	11	14	16	18	17	17	18	19	17	16	16	15	13	12	10	9	8	13
2	7	6	5	4	4	3	6	10	17	18	19	19	20	20	22	22	22	22	22	21	19	16	15	15	19
3	14	13	11	12	12	12	14	18	19	20	21	23	24	24	25	25	25	25	24	23	21	18	16	16	25
4	15	14	15	13	13	13	14	18	20	21	22	23	24	25	25	26	26	25	24	23	21	20	20	19	20
5	17	14	13	12	10	9	11	14	19	21	23	24	24	25	26	26	26	26	25	24	22	21	19	19	20
6	18	16	14	12	10	13	18	19	21	22	23	23	24	25	25	25	25	23	21	20	19	18	16	14	19
7	12	10	10	9	8	8	10	12	15	18	19	21	22	23	24	25	25	24	23	21	18	16	14	17	25
8	13	12	12	9	8	7	9	13	17	19	22	24	26	27	27	28	28	28	27	25	23	21	18	17	19
9	15	13	12	11	10	9	11	15	18	21	23	25	27	28	29	29	29	29	28	27	24	21	19	18	20
10	17	16	14	12	10	10	12	16	20	22	25	29	30	31	31	31	30	30	30	29	26	23	22	21	22
11	21	21	19	18	14	12	15	19	23	26	28	28	28	29	30	30	30	30	29	28	26	25	24	23	24
12	21	21	18	17	16	16	17	22	24	25	26	27	27	28	29	29	28	28	28	27	25	24	21	16	23
13	15	13	11	11	10	9	11	15	20	23	25	26	27	27	28	29	29	28	27	26	25	22	21	19	21
14	17	16	15	13	12	11	13	18	22	23	25	26	26	26	27	27	27	27	26	23	20	18	16	15	20
15	14	13	11	9	9	9	10	13	16	17	18	19	20	21	22	22	22	22	22	21	19	18	16	13	17
16	11	12	11	9	7	8	10	12	15	18	19	20	21	22	23	24	24	24	24	24	20	17	15	14	17
17	13	12	11	11	10	9	11	15	18	20	23	26	27	28	29	29	28	28	28	27	24	21	19	18	20
18	17	16	16	14	12	12	15	18	22	24	27	28	30	30	31	30	31	30	30	29	27	26	24	21	23
19	20	19	19	17	17	16	17	20	23	25	27	28	29	28	28	28	28	28	28	28	25	22	19	18	23
20	17	16	15	13	13	12	14	17	21	23	26	28	28	29	31	31	30	29	28	26	24	24	22	23	31
21	21	20	19	16	15	15	16	19	22	26	27	28	29	30	30	30	29	29	28	26	24	22	21	20	24
22	18	17	16	15	14	12	14	17	21	24	26	28	29	30	31	31	31	31	30	29	26	26	24	23	31
23	22	22	23	20	19	19	21	25	27	28	29	30	31	32	32	32	32	31	30	29	27	26	24	20	26
24	18	16	15	14	13	12	14	18	22	25	28	30	31	32	32	33	33	32	31	30	28	25	24	23	32
25	20	23	18	17	15	14	15	21	24	28	31	32	31	32	32	33	33	33	32	31	30	27	25	24	26
26	22	20	19	18	17	15	17	21	26	30	31	32	33	34	34	34	34	33	32	31	29	27	24	24	33
27	23	22	21	20	20	19	19	20	22	23	25	27	28	29	29	29	28	27	26	25	24	22	19	16	23
28	16	14	12	11	10	10	12	15	17	21	23	24	26	28	29	30	30	31	30	29	27	23	22	20	21
29	18	17	16	16	16	16	18	21	24	27	29	31	32	33	33	33	33	33	31	29	28	26	24	25	33
30	22	23	22	21	20	19	20	21	24	23	21	22	21	24	25	27	27	27	27	27	19	16	15	14	22
AV	17	16	15	13	12	12	14	17	20	23	24	26	26	27	28	28	28	28	27	26	24	21	20	18	21
SD	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

TEMPERATURE ICC1031

DEGREES CELSIUS
LEVEL HEIGHT ± 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUL, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	16	16	16	16	16	15	16	17	19	20	20	21	23	25	25	23	23	22	20	19	19	18	16	16	19	25
2	16	16	17	16	16	16	16	16	17	18	19	21	22	21	23	23	24	25	23	19	20	20	19	17	19	25
3	16	15	15	15	15	15	15	17	20	22	24	25	26	27	27	28	29	30	29	28	25	23	22	19	22	30
4	17	17	19	18	18	18	19	20	21	23	26	25	27	27	28	29	29	30	30	29	25	23	20	19	23	30
5	17	17	16	14	12	12	14	20	23	25	28	29	30	32	32	32	32	32	32	31	27	26	25	24	24	32
6	23	22	20	16	14	14	15	19	23	27	29	31	32	33	33	33	33	31	31	30	28	27	26	24	24	33
7	23	22	20	19	18	17	18	21	22	24	26	29	30	28	27	27	27	26	25	24	23	22	22	20	23	30
8	19	20	20	19	18	17	18	21	23	24	25	26	27	26	29	29	29	27	21	20	19	18	17	16	22	29
9	15	14	14	13	12	12	14	17	19	22	24	27	28	27	30	31	31	31	31	30	28	26	24	17	22	29
10	22	21	19	17	16	15	17	20	25	27	29	31	31	33	32	32	32	31	28	27	27	26	24	23	25	33
11	21	20	18	18	16	17	18	21	27	28	29	30	32	31	31	31	32	32	31	28	27	27	24	23	26	32
12	21	20	19	18	19	20	21	25	27	28	29	23	24	28	29	31	30	29	29	28	27	25	24	24	25	31
13	23	22	22	21	20	22	20	21	24	25	26	27	28	29	30	30	29	23	23	24	23	21	20	19	23	29
14	18	17	16	16	16	16	16	17	20	23	25	26	27	28	29	30	29	29	28	26	26	24	24	22	24	30
15	20	20	19	19	16	14	15	19	23	25	27	28	29	30	31	31	31	31	30	29	27	26	23	22	24	31
16	20	19	17	16	15	14	16	19	22	24	26	28	30	29	32	33	33	32	31	27	27	25	23	22	24	31
17	22	19	17	16	16	15	16	20	23	26	29	30	32	34	34	35	35	34	33	32	31	27	25	23	24	33
18	21	22	24	24	23	20	21	23	26	28	26	32	31	33	34	35	35	34	34	33	32	29	27	27	24	35
19	21	18	16	14	14	(RF)	22	25	27	28	30	31	31	32	31	33	33	32	32	30	30	28	26	24	26	33
20	20	19	18	16	16	15	17	19	22	24	26	28	26	(RF)	32	32	32	32	30	(RF)	(RF)	20	19	24	32	
21	17	17	18	16	16	15	16	19	22	26	28	25	31	32	33	33	33	33	32	32	27	25	23	22	25	33
22	20	20	18	18	17	16	17	20	25	27	29	32	33	34	34	34	34	34	33	32	30	28	25	25	24	33
23	24	23	25	23	21	19	21	24	27	29	30	32	31	31	31	31	32	30	25	25	23	21	18	24	32	
24	18	18	17	17	16	16	17	19	22	26	28	30	29	32	31	31	32	27	27	26	23	17	16	16	25	34
25	17	15	15	14	14	13	14	18	20	24	26	28	30	31	32	32	31	30	30	28	26	24	22	20	23	32
26	19	21	18	17	15	14	14	18	21	23	(RF)	26	28	29	29	29	29	32	31	29	27	25	23	21	23	32
27	20	19	14	13	11	14	15	20	23	24	26	28	31	34	34	35	35	34	34	33	30	26	25	21	25	35
28	18	16	16	15	12	15	16	20	24	25	28	31	30	32	33	34	34	34	34	33	28	25	23	22	25	34
29	21	20	18	18	17	16	18	22	25	29	31	32	33	31	29	30	28	24	26	25	24	24	23	22	25	33
30	22	21	17	14	13	(RF)	(RF)	(RF)	16	18	26	27	(RF)	30	31	31	31	31	30	28	28	24	21	14	24	31
31	10	11	(RF)	(RF)	(RF)	(RF)	10	14	18	22	24	29	30	30	31	32	32	31	30	29	(RF)	25	23	14	24	32
AV	19	19	18	17	16	16	17	20	23	25	27	28	29	30	30	31	31	30	29	28	26	24	23	21	24	31
SD	3	3	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3

ADDUT (29 JAN 81)

TEMPERATURE ICC1031

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 6

AUG, 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	16	20	19	15	11	12	15	17	20	21	IRF1	31	33	IRF1	34	34	33	29	27	28	27	27	25	23	24	34
2	22	22	20	18	17	17	18	21	24	26	28	30	31	33	33	34	34	34	34	32	31	29	26	24	27	34
3	23	19	17	16	16	17	19	22	24	26	30	33	34	32	32	32	32	31	32	30	29	28	26	25	24	34
4	22	21	18	18	17	15	15	19	23	24	24	IRF1	26	28	29	30	30	30	29	27	25	24	21	18	23	30
5	16	14	14	15	14	14	14	17	20	IRF1	20	28	30	30	30	31	32	32	31	30	27	25	26	25	23	32
6	23	23	22	22	19	17	14	19	23	26	28	29	31	31	31	31	31	31	31	30	27	25	24	24	25	31
7	21	18	15	16	15	16	17	21	25	23	27	29	31	32	33	34	34	34	33	32	29	IRF1	23	21	25	34
8	22	21	20	18	18	17	17	20	23	23	25	28	31	34	34	34	34	34	33	31	29	29	30	30	26	34
9	27	25	25	23	18	16	18	23	26	27	29	29	31	32	32	32	32	31	30	28	25	22	22	18	24	32
10	19	15	14	13	14	12	16	20	22	IRF1	28	29	31	32	32	32	32	29	28	25	22	21	17	14	24	32
11	16	16	16	14	13	12	12	16	21	22	IRF1	IRF1	28	29	30	29	30	29	28	27	22	21	19	17	21	30
12	16	17	16	16	15	13	14	18	24	27	27	30	31	31	31	31	30	28	28	26	26	25	24	24	24	31
13	22	21	18	18	18	17	17	20	23	26	28	30	31	32	30	29	26	23	24	23	22	22	21	20	23	32
14	19	19	18	18	17	17	16	18	21	23	25	27	28	29	29	29	29	29	28	22	21	21	19	19	23	29
15	18	IRF1	IRF1	IRF1	IRF1	IRF1	IRF1	IRF1	IRF1	IRF1	IRF1	21	20	24	24	23	21	20	17	16	15	14	13	12	14	24
16	12	11	11	11	10	10	10	13	15	18	20	20	21	23	24	24	24	24	24	22	20	19	19	17	14	24
17	16	15	13	12	11	10	10	13	16	18	20	22	25	26	27	27	28	28	28	27	24	22	21	19	20	28
18	19	18	18	16	14	13	13	16	21	25	28	28	28	29	29	29	29	28	28	27	26	25	24	22	23	29
19	20	22	19	19	18	17	18	21	22	23	23	24	23	21	19	19	19	17	15	15	15	14	13	12	19	24
20	10	8	8	8	7	7	8	10	13	14	16	18	20	21	22	23	23	23	23	21	19	18	16	14	15	23
21	13	12	11	10	10	9	11	15	17	20	22	24	25	27	27	27	28	28	27	25	23	20	19	17	19	28
22	15	14	13	12	11	10	10	13	18	22	26	29	30	30	30	30	30	29	29	27	25	23	22	22	27	30
23	22	22	21	21	21	21	21	24	26	26	27	24	25	25	25	25	24	16	15	15	15	17	17	17	21	27
24	16	16	15	15	14	15	15	15	17	19	20	21	22	23	24	23	24	24	23	18	17	17	16	16	19	24
25	16	15	14	13	13	13	13	17	17	19	20	21	22	23	14	16	15	15	16	15	14	14	13	12	15	19
26	12	11	11	11	10	10	10	12	14	17	18	20	21	23	24	24	22	21	20	18	18	17	15	14	16	20
27	13	12	11	11	10	9	9	11	14	17	19	22	24	25	27	28	28	27	24	22	22	19	19	19	14	24
28	20	19	18	16	13	11	11	14	18	22	24	26	28	28	29	29	29	28	27	25	24	24	24	24	22	29
29	23	23	22	22	20	19	19	20	21	23	25	25	26	26	27	27	26	25	24	23	21	19	18	19	21	27
30	19	17	16	14	13	13	13	15	17	19	21	23	24	25	25	24	24	24	24	21	19	18	16	14	19	26
31	12	11	10	9	9	9	9	10	13	14	16	18	20	21	21	21	21	20	19	17	16	16	14	12	15	21
AV	18	17	16	15	14	14	14	17	20	22	24	25	26	27	28	28	27	27	26	24	23	21	20	19	21	1
SD	4	4	4	4	3	3	4	4	4	4	4	4	5	5	4	5	5	5	5	5	5	4	4	5	1	1

TEMPERATURE (CC)031

DEGREES CELSIUS

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 6

SEP, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME1

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	11	10	9	9	8	7	7	9	12	15	16	20	22	23	24	24	25	25	24	21	19	18	17	15	16	25	
2	15	14	13	11	11	9	15	17	21	23	25	26	27	28	28	29	29	28	27	24	22	24	22	21	20	29	
3	19	20	20	19	17	16	15	17	21	23	25	26	27	28	28	29	29	28	27	26	23	24	22	21	22	29	
4	16	15	14	13	12	11	11	14	17	20	22	24	26	28	29	29	29	28	24	21	19	18	17	17	20	29	
5	16	15	14	13	12	11	11	13	17	20	23	26	27	29	30	30	30	30	28	25	22	20	19	19	21	30	
6	19	19	18	18	16	16	17	18	22	25	26	27	28	28	28	28	28	27	26	25	23	22	22	22	23	28	
7	21	20	19	18	17	16	15	16	17	15	16	17	18	19	19	19	16	16	15	14	14	13	13	13	17	21	
8	14	13	13	13	13	13	13	13	13	15	16	17	17	18	18	17	17	17	17	16	15	15	15	15	15	18	
9	14	14	14	14	13	14	13	13	15	16	17	17	17	18	18	17	17	17	17	16	15	15	15	15	15	18	
10	15	15	14	14	14	14	14	14	15	15	17	14	13	14	15	16	17	17	17	17	17	17	15	14	15	17	
11	13	11	11	10	9	9	9	12	15	18	19	20	21	21	21	21	19	18	18	17	17	17	15	14	16	21	
12	13	13	13	12	11	10	10	11	14	16	18	19	20	21	21	21	20	19	19	17	16	14	14	14	16	21	
13	14	13	12	12	11	10	10	11	14	17	19	23	24	25	25	26	26	25	23	21	19	17	17	15	14	16	21
14	16	14	13	11	11	10	9	12	16	22	24	24	23	24	25	24	25	24	23	19	18	17	17	15	13	18	25
15	12	11	10	9	8	8	8	10	17	18	19	22	23	25	26	26	25	24	23	22	21	21	20	19	18	26	
16	19	18	18	17	16	16	15	16	18	20	22	23	24	24	25	25	25	24	23	22	21	19	18	16	20	25	
17	14	13	12	12	12	11	12	13	16	19	20	22	23	24	25	26	26	26	25	22	19	17	16	16	18	26	
18	14	13	11	11	10	10	9	11	14	18	21	24	25	27	29	29	28	28	26	25	25	26	26	24	20	29	
19	23	23	23	23	23	22	22	24	24	26	25	26	27	28	27	26	23	23	22	21	19	16	14	14	23	28	
20	13	12	10	9	8	8	7	9	12	14	16	17	18	19	20	19	18	16	15	14	13	12	10	9	13	20	
21	12	11	9	9	8	7	8	10	13	16	17	18	19	20	19	18	16	15	14	13	12	10	9	6	10	17	
22	9	8	7	6	5	4	4	5	8	11	13	14	15	15	16	17	17	16	15	12	10	9	6	6	10	17	
23	6	5	4	4	3	3	3	4	8	11	13	15	17	18	20	21	21	20	18	15	13	12	11	11	11	21	
24	10	8	7	6	6	5	4	6	10	14	16	18	18	19	20	21	21	21	19	15	13	12	11	10	13	21	
25	8	8	6	10	8	7	6	7	10	12	15	17	19	20	21	21	21	20	19	15	13	12	10	9	11	21	
26	8	7	6	6	5	5	4	6	10	13	16	18	21	22	23	24	24	24	21	19	16	15	15	13	14	24	
27	12	10	9	8	8	8	8	9	13	15	19	21	24	25	25	26	26	25	22	19	17	16	14	13	16	26	
28	12	11	10	9	9	8	8	9	12	16	19	22	24	25	26	26	26	25	23	21	20	19	17	16	17	26	
29	15	13	11	10	9	8	8	9	13	17	20	21	22	23	24	25	24	24	22	18	16	14	13	12	16	25	
30	11	10	9	9	8	7	6	8	11	16	19	22	24	26	27	28	28	27	24	20	18	17	16	15	17	28	
AV	14	13	12	12	11	10	10	11	14	17	19	20	22	23	23	24	23	23	22	19	18	17	16	15	17	17	
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	17	

TEMPERATURE ICC1031

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 6

OCT. 1980

AEROVIRONMENT INC.

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*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR {LOCAL STANDARD TIME}

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK	
1	13	12	11	11	9	9	9	10	13	17	20	23	25	26	27	27	26	23	20	20	18	19	17	17	18	27	
2	14	15	14	11	11	11	12	13	14	15	17	18	19	20	20	21	21	20	18	16	13	12	10	9	9	15	21
3	8	7	7	6	5	4	5	6	9	13	16	18	20	22	23	24	24	23	20	17	15	14	13	11	14	24	
4	10	8	8	7	7	7	6	6	10	14	17	19	21	23	24	25	24	24	21	17	15	13	13	11	15	25	
5	10	9	9	8	8	7	7	8	11	15	18	21	23	24	24	25	24	22	17	15	14	13	11	15	25		
6	11	9	8	7	6	6	5	7	11	16	18	20	22	23	24	24	23	20	16	14	13	12	11	15	24		
7	10	9	9	8	7	6	6	7	10	14	18	20	22	24	25	25	25	20	17	16	14	13	12	15	25		
8	11	9	9	8	7	7	7	8	11	15	17	20	23	24	26	26	25	20	17	15	13	11	15	26			
9	11	9	9	9	8	7	6	7	10	13	16	18	21	23	24	24	23	19	16	15	14	13	11	15	24		
10	10	9	9	9	9	10	11	12	12	14	16	17	18	19	20	20	21	17	13	12	11	9	8	14	21		
11	7	6	6	5	4	4	4	4	7	11	15	17	19	20	21	22	23	22	18	17	17	17	17	13	23		
12	15	14	11	10	9	9	9	10	12	14	14	12	11	10	10	10	10	10	11	12	12	12	11	11	15		
13	9	9	8	8	9	9	8	8	9	13	13	14	15	15	15	15	15	14	14	10	9	9	8	11	16		
14	7	6	6	5	5	5	5	6	6	6	8	9	10	11	13	13	13	11	10	9	8	7	7	6	13		
15	6	6	6	6	6	6	4	4	5	7	9	9	8	5	5	5	5	4	4	4	4	3	3	3	5	9	
16	3	2	2	3	3	3	2	2	1	1	1	2	4	5	6	6	6	7	6	6	6	6	6	5	4	7	
17	5	4	4	3	2	2	2	3	5	7	7	8	9	9	9	10	10	8	7	7	7	5	5	4	6	10	
18	4	3	3	2	3	2	2	3	4	6	7	8	10	11	12	11	12	11	7	7	7	6	5	4	4	12	
19	3	3	2	1	1	1	0	0	3	5	7	9	11	12	12	13	12	10	7	7	6	5	4	4	4	13	
20	3	2	1	1	1	1	0	0	2	5	8	9	11	12	13	13	12	9	7	6	5	4	4	4	4	13	
21	3	2	2	1	1	0	0	0	2	6	9	11	12	14	15	15	14	11	10	8	7	6	4	4	15		
22	7	6	6	5	5	5	4	5	6	10	14	15	15	15	15	13	11	9	7	6	4	3	2	4	15		
23	0	-2	-3	-2	0	1	0	0	1	2	4	5	5	5	6	6	5	4	2	1	-1	-1	-2	2	6		
24	-2	-3	-4	-4	-5	-5	-5	-5	-2	1	3	6	8	9	11	11	9	7	4	3	3	3	2	2	11		
25	-1	-2	-3	-3	-4	-4	-4	-4	-2	2	4	7	8	10	10	11	9	6	4	3	3	2	2	3	11		
26	2	1	0	0	0	0	0	0	1	2	4	7	7	5	4	4	4	4	3	3	3	3	3	3	7	11	
27	3	3	3	3	2	2	2	2	3	4	4	4	4	5	5	4	3	3	2	1	1	0	0	0	1	5	
28	0	-1	-1	-3	-3	-3	-3	-3	-1	1	2	3	5	5	6	6	5	3	1	0	-1	-1	-2	1	6		
29	-3	-3	-3	-4	-4	-4	-5	-5	-2	1	3	5	7	8	9	10	9	8	4	2	1	0	0	0	2	10	
30	0	-1	-2	-2	-3	-3	-3	-3	-1	2	5	7	9	10	12	12	11	8	6	4	2	2	1	0	1	12	
31	0	0	0	-1	-1	-2	-2	-2	-3	6	6	8	11	12	14	14	13	11	8	7	6	5	4	3	5	14	
AV	6	5	4	4	4	3	3	3	5	8	10	12	13	14	15	15	15	14	12	10	9	8	7	6	9	11	
SD	5	5	5	5	4	4	5	5	5	5	6	6	6	7	7	7	7	7	7	6	6	6	5	5	5	11	

TEMPERATURE ICC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 NOV, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2	1	0	-1	-1	-1	-1	-2	1	4	7	9	11	12	13	13	13	12	6	7	5	4	3	3	5	13	
2	2	1	0	0	0	0	0	1	2	5	7	9	11	13	15	15	14	13	9	7	6	5	4	3	3	6	15
3	3	2	1	2	2	1	1	0	1	4	7	10	12	13	14	14	14	11	10	8	8	7	6	5	3	7	14
4	4	3	2	2	2	1	2	4	7	9	11	13	14	14	14	15	13	10	8	8	8	7	5	4	4	7	15
5	3	3	2	2	1	1	0	2	5	9	11	13	15	16	16	16	16	14	11	8	7	6	4	4	4	7	16
6	3	2	1	1	1	1	0	2	6	8	11	14	16	17	17	17	16	15	13	13	13	13	13	13	13	8	17
7	12	10	7	5	4	4	4	5	8	11	14	17	19	20	20	20	20	17	16	14	13	14	13	13	12	20	
8	14	14	14	14	14	14	13	13	15	16	16	16	16	16	16	15	15	14	12	10	8	7	6	5	13	16	
9	5	4	3	2	1	1	0	0	2	5	8	11	13	15	16	16	16	14	11	10	10	6	6	4	7	17	
10	4	3	2	1	0	0	0	2	5	8	11	13	15	16	16	16	16	13	10	8	6	5	6	5	7	17	
11	5	4	3	2	2	1	0	-1	2	4	6	8	9	12	14	14	14	13	14	14	13	12	11	10	8	19	
12	10	9	8	7	7	9	9	10	9	11	15	14	14	15	14	10	10	9	7	6	6	6	6	6	9	15	
13	6	5	5	4	3	2	2	2	1	1	2	2	2	2	2	2	2	2	1	1	1	0	0	0	2	6	
14	0	0	-1	-2	-2	-2	-2	-2	-2	-1	0	1	1	1	1	1	0	0	-1	-1	-2	-2	-3	-4	-1	2	
15	-5	-6	-6	-7	-7	-7	-8	-8	-7	-5	-3	-2	-1	0	1	1	0	0	-1	-2	-2	-4	-4	-4	-4	1	
16	-5	-7	-8	-9	-10	-10	-11	-11	-10	-8	-4	-2	-1	0	0	0	-1	-1	-4	-5	-6	-7	-8	-8	-1		
17	-7	-7	-8	-9	-10	-10	-11	-11	-10	-7	-4	-2	-1	0	0	0	0	0	-1	-4	-5	-6	-7	-8	-4	0	
18	-9	-9	-9	-10	-11	-11	-11	-12	-10	-7	-4	-3	-1	1	1	2	1	0	-2	-4	-4	-5	-6	-6	-5	2	
19	-7	-8	-8	-9	-9	-9	-9	-8	-5	-3	0	1	3	4	4	4	4	2	0	-2	-3	-4	-4	-5	-3	4	
20	-5	-6	-6	-7	-7	-7	-7	-7	-3	-1	2	3	4	5	5	5	4	2	-1	-2	-3	-4	-4	-5	-2	5	
21	-6	-6	-6	-7	-7	-8	-8	-9	-7	-4	-2	1	3	4	5	6	5	3	0	-1	-3	-3	-4	-5	-2	6	
22	-6	-4	-4	-5	-5	-4	-4	-4	-3	-1	2	4	6	7	7	6	5	4	4	3	3	2	1	0	1	7	
23	-1	-1	-1	-1	-2	-3	-3	-4	-3	0	2	4	5	5	5	5	4	4	2	3	2	1	0	0	1	5	
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	0	-1	-2	-4	-5	-5	0	2	
25	-6	-6	-7	-8	-8	-8	-9	-10	-9	-7	-5	-3	-2	0	0	-1	-1	-3	-4	-4	-4	-4	-4	-4	-5	0	
26	-4	-5	-6	-7	-8	-9	-9	-9	-8	-6	-4	-2	-1	0	0	0	0	-2	-4	-5	-6	-7	-8	-8	-5	0	
27	-8	-8	-9	-9	-10	-10	-10	-10	-9	-7	-6	-5	-2	-1	0	0	0	-1	-2	-2	-4	-5	-6	-6	-5	0	
28	-7	-8	-8	-8	-6	-7	-9	-7	-5	-2	0	2	3	4	4	4	3	3	1	0	0	-2	-3	-3	-3	4	
29	-3	-3	-4	-5	-5	-6	-6	-6	-5	-4	-1	0	1	2	3	3	3	1	0	-1	-1	-2	-2	-2	-2	4	
30	-3	-3	-3	-3	-4	-4	-3	-3	-3	-1	2	5	7	8	10	11	10	9	7	6	7	7	8	7	3	11	
AV	0	-1	-1	-2	-2	-3	-3	-3	-2	0	3	4	6	7	8	8	7	6	4	3	2	1	1	0	2	1	
SD	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	6	6	6	6	6	6	6	6	6	1

TEMPERATURE (CCT1031

DEGREES CELSIUS

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

DEC. 1980

AEROVIRONMENT INC.

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*
* FINAL DATA *
* AS OF 31/MAR/A1 *
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*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6	5	3	1	-1	-2	1	0	1	2	0	3	4	4	4	4	4	3	1	-1	-2	-3	-3	-3	1	6
2	-3	-4	-4	0	0	-4	-5	-5	-4	-2	0	1	2	3	4	4	4	3	2	2	-2	-2	-1	-1	1	4
3	1	0	0	0	0	0	0	0	0	1	2	4	6	8	10	9	12	11	10	10	11	9	7	6	5	12
4	3	3	3	4	6	6	7	11	11	11	12	13 (CA)	11	10	9	9	9	8	7	6	7	8	8	7	4	13
5	5	6	6	5	4	4	4	4	4	5	6	6	5	5	6	7	5	4	3	3	1	1	0	0	4	7
6	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4	4	4	4	2	2	2	1	1	0	1	4
7	-1	-2	-2	-2	-2	-2	-1	-2	-2	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	1	1
8	-2	-2	-3	-3	-3	-3	-3	-3	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	-3	-4	-5	-5	-5	-6	-2	0
9	-6	-6	-6	-5	-5	-5	-5	-5	-5	-4	-3	-2	-1	-1	0	0	-1	-1	-3	-4	-4	-5	-5	-6	-4	0
10	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-4	-3	-2	-2	-2	-2	-2	-2	-2	-3	-3	-3	-4	-4	2
11	-5	-5	-6	-7	-7	-7	-8	-8	-8	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-5	-5	4
12	-6	-6	-7	-7	-7	-7	-8	-9	-9	-8	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-6	-6	4
13	-6	-7	-7	-8	-8	-8	-8	-9	-9	-8	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-6	-6	4
14	-6	-7	-7	-8	-8	-8	-8	-9	-9	-8	-7	-6	-5	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-6	-6	4
15	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
16	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
17	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
18	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
19	-1	-2	-2	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
20	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
21	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
22	2	2	2	1	0	2	2	1	0	2	5	8	10	10	10	11	10	9	7	6	6	6	5	7	5	11
23	6	4	2	2	2	2	1	0	1	3	4	5	6	7	8	8	7	4	2	1	1	0	0	-1	3	4
24	-1	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
25	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
26	2	2	1	1	-1	-1	-3	-3	-2	0	2	6	8	9	10	10	10	8	5	3	3	2	1	0	3	10
27	0	0	-1	-2	-2	-3	-3	-3	-3	-2	1	4	6	8	9	8	8	6	4	2	1	1	1	1	2	4
28	0	0	0	0	0	0	-1	-1	-1	-1	2	4	6	7	8	8	8	6	4	2	1	1	1	1	2	4
29	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	4
30	-3	-4	-5	-5	-5	-6	-6	-7	-6	-4	-1	2	4	6	7	8	8	5	2	1	-1	-1	-2	-3	0	4
31	-3	-3	-4	-4	-4	-5	-5	-5	-4	-2	0	3	5	6	6	6	6	5	2	0	0	-1	-2	-3	-1	4
AV	-2	-2	-2	-3	-3	-3	-3	-4	-3	-1	1	3	4	5	6	6	5	4	2	1	0	0	-1	-1	0	1
SD	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1

DELTA T (CC)191
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT #139
RONANZA, UTAH
SITE 6
JAN, 1960
AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-4	-4	-3	-1	-2	-4	-1	-1	-2	-3	-3	-3	-2	-3	-4	-3	-3	0	0	4	-2	1	-3	-4	-2	.4
2	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	0	-1	-1	-2	-3	-4	-3	-2	-2	-4	-4	-4	-4	-4	0
3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-1	-1	-1	-1	-2	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	0
4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-2	-2	-4	-5	-4	-4	-4	-2	-3	-3	-4	-4	-4	-4	-1
5	-4	-4	-4	-4	-4	-3	-3	-4	-4	-3	-3	-4	-6	-5	-4	-3	-3	-2	-2	-2	-3	-4	-4	-6	-4	-2
6	-2	-3	1.1	-7	-4	-7	-7	-7	9	1.0	5	1	-1	-2	-2	-2	-2	-1	-2	1.0	1.2	1.1	3	-4	-4	-1
7	-3	-4	-2	-1	-2	0	-1	0	-2	-1	-1	-1	-2	-1	-1	-2	-6	1.2	1.2	1.0	1.2	1.1	3	-4	-4	1.2
8	0	0	2	0	2	2	5	2	6	2	0	-2	-2	-3	-2	-1	3	3	1	0	0	-4	-2	0	0	6
9	0	0	2	0	3	-2	-6	3	-2	-2	-2	-2	-2	-2	-2	-2	2	2	1	-2	-2	-7	-1	-1	-1	6
10	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	3	4	4	4	4	3	2	2	2	2	3	1	1	7	-2	7
11	4	2	2	4	0	4	4	3	9	-2	3	3	1	1	1	3	4	4	4	3	5	5	7	7	-1	9
12	4	4	3	4	4	3	4	4	4	4	4	4	3	3	4	4	3	2	1	3	5	5	7	7	-1	7
13	6	4	5	1.0	1.1	4	5	1.0	7	7	0	-1	-2	-3	-2	0	4	3	1.6	3.3	1.4	2.4	2.0	5	4	3.3
14	0	0	-1	-1	-1	-1	-1	0	0	2	-2	-2	-2	-2	0	1	0	1	3	3	2	1	2	0	0	3
15	-1	-1	-2	-1	0	1	1	1	1	0	-1	-3	-4	-9	-1.0	-9	-4	1	2	2	1	-2	-2	-2	-2	2
16	-2	-2	-2	-2	-4	-5	-5	-2	-3	-4	5	6	6	6	4	3	2	2	2	2	3	2	3	3	-3	-2
17	-3	-3	-3	-3	-1	0	0	2	0	3	4	5	4	4	4	4	4	3	2	2	3	2	2	3	-3	0
18	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-1
19	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-1
20	-3	-3	-3	-3	-5	-4	-5	-4	-5	-4	5	4	4	4	4	4	4	3	3	3	4	4	4	4	-4	-3
21	-4	-4	-5	-4	-5	-4	-4	-5	-5	-5	4	5	4	4	4	4	4	4	4	4	3	3	5	4	-4	-3
22	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	-4	-4
23	-2	0	-2	-1	0	-2	1	-1	-3	4	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	0
24	4	3	3	3	3	3	3	4	4	4	5	6	6	6	7	6	6	5	5	4	4	3	3	4	-4	-3
25	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	-4	-4
26	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	-4	-2
27	5	5	5	5	5	4	3	3	3	4	5	5	5	5	4	4	4	4	4	4	3	3	3	3	-4	-3
28	-2	-3	-3	-3	-3	-3	-4	-4	-4	-4	3	3	2	2	2	2	2	2	2	2	3	3	3	3	-4	-3
29	-3	-2	-4	-3	-3	-3	-4	-4	-4	-4	3	2	2	2	2	2	2	2	2	2	3	3	3	3	-4	-1
30	2.2	1.3	9	1.2	5	0	3	4	7	9	4	4	1	1	2	1	2	1	1.2	3	1.2	6	6	1.1	4	2.2
31	1.0	9	1.1	7	9	5	5	7	1.1	0	1	-2	0	1	-1	-2	-4	-3	-2	-4	-3	-1	-1	-2	2	1.1
AV	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-3	-3	-3	-3	-3	-3	-3	-2	0	0	0	0	-1	-1	-1	1
SD	5	4	4	4	4	3	4	4	5	4	2	2	2	2	2	2	2	2	5	7	5	6	6	5	5	1

ABOUT (29 JAN 61)

DELTA T (C)1191
 DEGREES CELSIUS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6

FEB, 1980
 AERODIVIRONMENT INC.

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 *
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFK
1	-6	-1	-1	-3	-2	.5	.9	-2	.4	-.1	-.2	-.4	-.1	-.3	-.3	-.3	-.3	-.1	-.4	.3	.3	-.2	.4	.3	.1	.9
2	-7	.7	.3	.6	.5	.3	.6	.5	-.6	.2	-.0	-.1	-.3	-.1	-.1	-.1	-.3	-.0	-.1	-.2	-.1	-.1	-.2	-.1	-.1	.8
3	-1	-2	-.1	-.1	-.1	-.0	-.1	-.2	-.2	-.2	-.2	-.0	-.0	-.2	-.2	-.2	-.3	-.3	-.3	-.1	-.3	.0	-.1	-.2	-.1	.3
4	-.3	-2	.0	-.2	-.3	.6	-.2	-.1	-.3	-.2	-.0	-.1	-.0	-.1	-.2	-.2	-.1	-.3	-.3	1.2	.4	.6	1.0	.8	.2	1.2
5	1.1	1.3	1.9	1.0	1.1	.7	.6	.7	.5	-.1	-.4	-.3	.0	-.2	-.2	-.3	-.3	-.1	-.1	.1	.6	1.0	.2	-.1	.4	1.9
6	-.0	-.0	-.1	.1	.4	.6	.7	.5	.3	-.3	-.2	-.3	-.2	-.1	-.2	-.2	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.1	.7
7	-.1	-2	-.1	-.2	-.3	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.6
8	-.2	-.1	.9	1.1	.8	1.6	1.8	.8	.5	.0	-.0	-.3	-.3	-.3	-.2	-.2	-.1	-.2	1.2	.5	.7	.4	.4	.2	.4	1.4
9	-.1	.0	.5	-.7	.2	.3	.3	.5	.9	-.1	-.1	-.2	-.1	-.2	-.3	-.3	-.3	-.2	-.2	-.2	1.0	1.4	.0	.7	.1	1.4
10	-.6	.5	.4	.0	1.1	1.0	.1	.4	.0	-.1	-.1	-.0	-.0	-.2	-.3	-.3	-.3	-.1	-.1	-.1	.9	1.4	1.4	1.1	.2	1.4
11	-.9	1.1	1.2	.9	.9	.7	.6	1.0	1.1	-.1	-.1	-.1	-.2	-.2	-.2	-.3	-.3	-.1	-.1	-.1	.4	1.4	.8	.5	.4	1.4
12	-.9	.5	.6	.3	1.3	1.1	.7	1.1	1.0	-.1	-.3	-.3	-.3	-.3	-.2	-.3	-.3	-.2	.0	-.2	.3	.4	.2	.5	.3	1.3
13	-.2	1.5	.4	.3	.5	.3	.4	.4	-.1	-.3	-.1	-.2	.0	-.6	-.1	-.2	-.2	.1	.2	-.1	-.2	-.2	-.2	-.2	.1	1.5
14	-.3	-.2	-.2	-.4	-.3	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.2	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.2	-.1	-.1	-.1	.4	-.2
15	-.6	-.6	.3	.2	.5	.2	.1	.0	-.2	-.2	-.3	-.0	-.1	-.2	-.2	-.2	-.2	-.3	-.2	-.2	-.2	-.3	-.3	-.3	-.0	.4
16	-.3	-.4	-.3	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.6	.3	-.2	-.5	-.4	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.6
17	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.2	-.1	-.2	-.3	-.5	-.3	-.1	-.1	-.2	-.2	-.1	-.2	-.1	-.1	-.0	-.2	-.1	-.1	.2
18	-.1	1.2	.7	.2	.5	1.1	1.2	.2	.0	.0	-.1	-.0	-.1	-.2	-.1	.0	-.3	-.3	.0	-.1	-.0	-.2	.0	.0	.0	.2
19	.1	.2	.0	-.2	-.2	-.2	-.1	-.1	1.0	.0	-.2	-.2	-.3	-.2	-.3	-.2	-.2	-.1	.4	.9	1.2	.6	.5	.3	.1	1.2
20	.0	.1	-.1	-.2	-.2	-.2	-.2	-.1	-.2	-.3	-.3	-.3	-.3	-.3	-.4	-.3	-.3	-.2	.0	.2	.2	-.1	.3	.2	-.1	.3
21	.6	.4	.0	.0	-.1	-.1	.4	.6	.4	-.1	-.3	-.4	-.3	-.3	-.3	-.3	-.3	-.3	-.2	-.2	-.3	-.3	-.4	-.4	-.1	.4
22	-.4	-.4	-.3	-.3	-.3	-.2	-.3	-.1	-.1	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.4
23	-.1	-.2	-.1	-.2	-.3	-.1	-.2	-.2	-.1	-.2	-.3	-.3	-.4	-.5	-.4	-.3	-.3	-.3	-.2	-.2	-.3	-.3	-.2	-.2	-.2	.6
24	-.2	-.1	.0	-.1	-.2	-.1	-.2	-.2	-.2	-.3	-.3	-.4	-.4	-.4	-.5	-.3	-.3	-.3	-.2	.0	1.0	.3	.0	-.2	-.1	1.0
25	-.3	-.1	-.1	-.2	-.1	-.2	-.1	-.2	-.3	-.4	-.4	-.5	-.5	-.4	-.4	-.3	-.3	-.2	-.1	.1	.3	.5	.5	.4	-.1	.5
26	-.1	.0	-.1	-.2	.0	-.1	-.1	-.1	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	.4
27	-.4	-.1	-.1	-.2	.0	-.4	-.1	-.1	-.3	-.4	-.7	-.4	-.7	-.6	-.3	-.3	-.3	-.6	-.1	.3	.7	1.1	.6	.4	.0	1.1
28	-.4	-.4	-.1	-.3	.2	.0	.1	.0	-.2	-.5	-.5	-.4	-.5	-.3	-.4	-.7	-.7	-.6	.3	.0	-.4	-.1	.0	.0	-.2	.4
29	-.2	.0	-.4	.2	.1	.2	-.1	.2	.0	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.7	-.1	-.6	-.7	-.2	-.2	-.2	.4
AV	-.2	-.2	-.2	-.1	-.2	.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.3	-.2	.0	.1	.2	.3	.2	.1	.0	1.1
SD	.4	.5	.5	.4	.5	.5	.4	.4	.4	.2	.2	.2	.2	.1	.1	.1	.1	.2	.3	.4	.4	.5	.4	.4	.2	1.1

DELTA T (CC:191)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

MAR. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	-3	-2	-2	-2	-2	-2	-2	0	-3	-4	-4	-4	-4	-4	-4	-3	-2	-2	0	1	1.9	1.7	1.2	0	-2	1.9	
2	0	-1	-1	1	3	2	-4	1	-7	-4	-4	-4	-4	-4	-4	-3	-6	-2	1	1.6	1.2	1.7	1.2	0	-2	1.2	
3	3	2	3	3	2	2	-4	1	-5	-7	-7	-4	-4	-4	-4	-4	-2	-2	-1	0.6	0.2	0.7	0.2	-1	-2	0.4	
4	-2	-2	0	0	1	0	3	4	0	2	7	-5	-4	-5	-4	-3	-4	-2	-2	0	0	0	6	2	-1	0.6	
5	-1	-1	-3	3	1	1	3	4	-5	2	-4	-4	-4	-4	-4	-3	-6	-6	-2	-2	-2	-3	-2	-2	-2	0.4	
6	-1	0	-1	-2	-1	-1	-2	-2	-3	-3	-3	0	0	-4	-4	-5	-3	-2	-1	0	1	-1	-3	-1	-1	0.4	
7	2	0	-1	-1	-2	-6	-1	-2	0	-1	-3	-3	-4	-4	-4	-5	-3	-3	-1	-2	-3	-2	-2	-2	-2	0.2	
8	1	1	-1	-1	0	0	-1	-2	-3	-4	-4	-5	-5	-4	-4	-5	-6	-3	-2	0	-1	3	1	0	-2	0.3	
9	1	2	3	0	0	-1	-2	-2	-3	-4	-4	-4	-5	-4	-5	-4	-3	0	2	0	2	1	1	0	-2	0.3	
10	-2	-2	0	2	-2	1	-4	-1	-3	-2	-4	-3	-4	-4	-4	-4	-3	0	3	0	0	0	0	5	-1	0.8	
11	2	-6	5	2	3	2	0	3	0	3	-3	-2	-3	-2	-3	-3	-3	-2	0	3	0	3	3	-6	-1	0.6	
12	2	-2	-1	0	1	-1	-2	-4	-2	-5	-4	-4	-4	-4	-3	-2	-1	-1	-1	-1	0	1	0	-1	-1	0.2	
13	-1	-1	2	-2	-5	-2	-4	-3	-4	-4	-3	-4	-4	-4	-3	-3	-3	-1	1	0	2	-1	0	0	0	0.2	
14	5	9	7	7	2	6	4	1	2	3	-4	-4	-4	-4	-3	-4	-3	-7	0	2	-1	2	4	5	1	0.9	
15	8	3	2	1	1	5	1.2	1.3	7	0	-6	-3	-3	-3	-4	-3	-3	-2	-5	-1	2	1	-3	-3	1	1.3	
16	-6	-6	-3	-3	-3	-3	-3	-9	-4	-5	-6	-6	-5	-6	-6	-7	-6	-3	-2	0	0	1	3	-1	-4	0.6	
17	-2	2	0	-3	-1	-1	-2	-3	-3	-4	-3	-4	-5	-6	-7	-7	-7	-2	-1	-2	-2	-4	3	6	-4	0.6	
18	-6	1.1	1.1	1.2	-1	4	0	4	-4	-4	-4	-4	-1.0	-9	-3	-3	-2	0	1.0	1.0	7	2	5	-3	1	1.7	
19	-4	-5	2	4	3	3	4	1	-3	-8	-4	-5	-4	-4	-4	-4	-4	-2	-1	0	0	1	3	7	-1	1.6	
20	1.6	1.1	7	4	7	3	1	-2	-2	-3	-3	-4	-4	-7	-6	-3	-2	-2	0	0	1	4	7	2	1	1.6	
21	1.2	1.0	1.2	1.9	2.5	6	1.0	1.1	4	5	5	6	5	5	6	6	3	3	0	0	3	3	3	3	2	2.5	
22	-8	-7	-3	-3	-2	-2	-1	-1	-4	-7	-4	-5	-5	-5	-5	-4	-6	-3	-2	2	4	1	0	5	-4	1	
23	-3	-3	-3	-2	-2	-7	-1	0	-3	-6	-4	-4	-4	-4	-5	-4	-3	-2	-6	-7	0	1	0	2	-2	1.3	
24	1.3	3	3	3	2	1	0	-5	-3	-3	-4	-4	-4	-4	-4	-3	-6	-6	-3	-5	7	8	3	3	3	1.3	
25	-1	3	1	-1	0	-2	-1	-3	-4	-4	-4	-3	-4	-3	-4	-7	-4	-4	-3	7	7	8	3	3	3	0.7	
26	-4	-7	-3	-2	-2	-1	7	4	-2	-7	-6	-1	-3	-4	-3	-4	-3	-2	-2	-1	4	0	-1	-1	-1	0.7	
27	-1	-5	-2	0	-1	0	-3	-3	-3	-3	-4	-5	-3	-4	-3	-3	-3	-4	-3	-3	-3	-3	-3	-3	-3	0.0	
28	-2	-8	-7	-3	-3	-3	-3	-4	-4	-4	-6	-4	-4	-4	-5	-9	-4	-3	-3	-2	-1	2	0	0	0	0.4	
29	-1	-3	0	-4	0	9	3	-3	-3	-3	-3	-3	-4	-3	-2	-2	-1	-1	0	0	3	0	1	1	1	0.9	
30	-1	-4	1	-4	1.0	1.0	7	1	-2	-4	-4	-6	-6	-4	-4	-4	-4	-4	-8	-7	2	0	3	0	0	1.0	
31	4	0	-5	-7	-3	-3	-2	-2	-2	-2	-2	-4	-3	-3	-3	-3	-4	-3	-6	-3	2	0	-3	-2	-2	0.4	
AV	1	0	0	1	1	1	0	-2	-4	-4	-4	-4	-4	-4	-4	-5	-4	-3	-2	-1	0	1	1	0	-2	1	
SD	5	6	4	5	5	4	4	5	3	2	1	1	2	2	1	2	2	2	4	4	0	3	3	3	3	1	1

DELTA T (CC:19)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
APR, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-3	-4	-4	-2	-2	-4	-4	-4	-4	-4	-3	-2	-4	-4	-4	-3	-3	-3	-0	-1	-3	-3	-3	-3	-3	-0
2	-3	-2	-2	-3	-3	-4	-4	-4	-4	-3	-3	-4	-4	-5	-4	-4	-4	-3	-2	-2	-3	-3	-3	-3	-3	-1
3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1
4	-6	-2	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-6
5	-0	-1	-2	-3	-5	-5	-2	-0	-2	-3	-3	-3	-3	-4	-4	-3	-2	-2	-2	-2	-6	-5	-0	-0	-0	-6
6	-0	-1	-1	-1	-3	-2	-4	-0	-3	-4	-6	-6	-5	-5	-5	-4	-5	-4	-2	-2	-6	-1	-1	-1	-1	-6
7	-2	-1	-3	-3	-2	-2	-2	-4	-5	-6	-8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-2
8	-5	-3	-2	-4	-0	-0	-4	-2	-4	-5	-3	-4	-3	-3	-5	-8	-3	-1	-1	-3	-2	-4	-1	-1	-1	-9
9	-6	-9	-6	-2	-7	-1	-4	-0	-4	-3	-2	-6	-4	-4	-3	-2	-0	-2	-0	-2	-0	-0	-1	-1	-1	-6
10	-4	-5	-5	-5	-6	-1.0	-2	-0	-6	-4	-5	-6	-1.1	-7	-1.1	-6	-6	-4	-6	-2	-5	-2	-3	-1	-1	-6
11	-2	-1	-6	-6	-9	-2	-4	-3	-4	-5	-4	-4	-5	-4	-4	-4	-3	-2	-2	-1	-2	-2	-1	-1	-1	-2
12	-1	-2	-7	-8	-4	-8	-3	-2	-3	-6	-4	-2	-4	-4	-4	-6	-4	-3	-2	-2	-1	-2	-1	-1	-1	-2
13	-8	-2	-9	-1.3	-6	-6	-2	-3	-3	-3	-4	-4	-4	-4	-4	-3	-3	-3	-1	-1	-3	-3	-3	-3	-3	-8
14	-3	-5	-5	-4	-7	-3	-2	-2	-4	-3	-4	-2	-2	-2	-2	-3	-3	-3	-1	-0	-3	-3	-3	-3	-3	-1.0
15	-1	-4	-2	-6	-8	-5	-2	-1	-2	-3	-3	-3	-3	-4	-3	-3	-3	-2	-1	-1	-1	-0	-2	-1	-1	-1.4
16	-2	-3	-2	-3	-4	-7	-3	-1	-6	-3	-3	-7	-3	-3	-3	-2	-2	-1	-2	-1	-3	-3	-3	-2	-2	-1.3
17	-4	-6	-4	-7	-6	-4	-7	-6	-2	-2	-2	-2	-7	-6	-1	-2	-1	-1	-1	-1	-1	-0	-2	-1	-1	-1.1
18	-4	-1.0	-1.0	-7	-5	-2	-6	-2	-3	-2	-7	-2	-3	-2	-3	-2	-2	-0	-1	-1	-1	-0	-2	-3	-4	-1.4
19	-3	-8	-6	-5	-4	-2	-7	-1	-3	-2	-3	-2	-4	-3	-2	-2	-1	-1	-1	-1	-6	-3	-3	-3	-3	-1.0
20	-3	-1.0	-1.1	-7	-5	-1.0	-1.1	-2	-3	-3	-1	-2	-2	-3	-3	-2	-2	-1	-2	-0	-2	-1	-2	-4	-2	-1.1
21	-4	-2	-2	-4	-0	-3	-1	-2	-3	-3	-2	-7	-1	-3	-6	-0	-1	-1	-3	-1	-1	-4	-2	-1	-1	-4
22	-1	-3	-4	-5	-3	-0	-4	-2	-3	-2	-2	-2	-2	-7	-3	-3	-2	-1	-0	-0	-3	-0	-1	-1	-1	-5
23	-6	-6	-8	-5	-7	-1	-2	-5	-3	-7	-3	-7	-5	-4	-4	-4	-3	-7	-2	-2	-4	-2	-2	-2	-2	-4
24	-2	-1	-1	-1	-2	-2	-3	-3	-3	-3	-3	-3	-3	-6	-2	-2	-3	-2	-1	-1	-2	-0	-1	-1	-1	-2
25	-0	-0	-1	-1	-9	-5	-1	-2	-3	-3	-4	-3	-1	-3	-3	-3	-3	-2	-0	-1	-0	-2	-5	-1	-1	-0
26	-1	-4	-1.5	-7	-6	-3	-3	-2	-2	-3	-2	-2	-2	-1	-1	-1	-0	-1	-0	-4	-4	-8	-5	-1.2	-1.5	
27	-6	-1	-1	-2	-3	-6	-1	-2	-3	-2	-2	-2	-1	-2	-2	-2	-0	-1	-0	-3	-6	-1	-7	-4	-1	
28	-3	-7	-5	-3	-1	-6	-2	-3	-2	-2	-2	-2	-2	-3	-2	-3	-2	-1	-1	-4	-6	-2	-4	-4	-1	
29	-3	-1.0	-6	-4	-5	-5	-1	-2	-1	-2	-2	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1.0
30	-1	-3	-2	-2	-1	-1	-1	-3	-3	-3	-2	-4	-2	-2	-2	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2
AV	-2	-3	-3	-3	-3	-3	-2	-3	-3	-3	-3	-4	-4	-4	-4	-3	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1
SD	-5	-5	-5	-8	-6	-4	-3	-2	-2	-1	-1	-2	-2	-2	-2	-2	-1	-2	-2	-3	-4	-4	-3	-4	-4	-1

DELTA T ICC1191
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 6
MAY, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK		
1	-2	-2	-2	-1	-1	0	-2	3	-3	-2	-3	-3	-1	-2	-2	-1	-1	-1	-2	1	-1	-2	19	-1	-1	4		
2	-2	-1	-1	-5	-2	4	-1	-2	-1	-2	-6	-1	-4	-2	-2	-1	-3	-2	-2	-1	-3	-2	1	-1	-1	5		
3	0	-1	0	-2	-2	-1	-3	-3	-3	-3	-1	-3	-3	-2	-2	-2	-1	-1	-1	0	-1	-1	1	-1	-1	2		
4	0	-1	0	-1	-3	-6	-3	-2	-3	-1	-2	-3	-2	-3	-4	-3	-2	-2	-1	-1	-2	-1	-1	-2	-1	6		
5	-2	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	0	3	0	-1	3		
6	-2	-3	-1	-1	0	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	3	3	0	-1	3		
7	4	-2	-3	4	3	5	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	-2	-2	0	-1	0	5		
8	-1	-2	-1	-1	0	-1	0	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	-2	-1	-1	-2	-1	1		
9	-1	-1	-1	-2	4	4	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	0	-1	-1	4		
10	-2	0	-1	-1	0	-1	-2	-3	-2	-2	-2	-3	-3	-3	-4	-3	-4	-2	-3	-2	-2	-2	-1	0	-1	4		
11	-1	0	-1	-1	-2	-2	-3	-3	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-3	-1	0	2		
12	-1	-3	-2	-2	-3	-1	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-2	-2	-3	-2	-3	-1	2		
13	-3	-2	-2	-2	-2	-1	-2	-3	-3	-2	-3	-3	-2	-2	-3	-2	-2	-2	-1	0	-2	-3	-2	-3	-3	-1	3	
14	-2	0	-1	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	0	2		
15	0	-2	-1	-1	0	0	-1	-3	4	1	-2	-3	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	0	-1	-1	2		
16	0	-1	-3	-5	1	3	0	-1	-2	-3	-1	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-1	2		
17	-1	-1	-1	0	-1	-1	-3	-3	-3	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-1	3	5	1	-1	5		
18	-2	-1	-2	-1	-2	-2	-1	-2	-3	-3	-2	-2	-3	-3	-2	-1	0	0	0	1	9	3	3	2	0	9		
19	-2	-3	-6	-5	4	1	-1	-2	-2	-2	-2	-1	-2	-1	-1	-1	-1	-1	-1	2	3	1	4	2	1	3		
20	3	-5	-3	-9	5	4	-1	-2	-1	-2	-2	1	0	0	0	0	0	0	0	3	5	1	6	7	3	2	1	6
21	4	-3	-6	-7	-5	4	0	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	-2	-4	4	4	4	4	4	4	4	4	
22	5	-6	-8	-16	19	12	6	-1	-2	-2	-1	-2	-1	-1	-2	0	-1	-2	-1	-1	-1	0	0	0	0	2	1	9
23	-1	-2	-2	-1	-1	0	-2	-3	-3	-4	-5	-6	-7	-6	-4	-3	-3	-4	-3	-1	-2	-4	-2	0	-1	4		
24	-1	-1	-1	-1	-1	-1	-2	-4	-4	-6	-6	-6	-7	-6	-4	-3	-4	-3	-3	-3	-3	-3	-3	-2	-3	0		
25	-3	-2	-2	-2	-2	-3	-3	-4	-5	-4	-5	-5	-6	-6	-4	-4	-4	-3	-3	-2	0	1	5	-7	-2	7		
26	5	-9	-6	-0	4	5	1	-2	-3	-2	-2	-3	-5	-6	-4	-4	-4	-2	-1	1	4	1	5	-2	2	7		
27	3	4	-6	-4	5	1	3	0	-3	-4	-3	-4	-5	-3	-4	-2	-2	-1	0	1	4	6	9	4	2	1	3	
28	4	3	4	-6	-4	5	6	1	3	5	4	4	4	4	4	3	2	2	0	1	7	4	2	-1	1	3		
29	-2	-2	-2	-1	1	1	-2	-2	-3	-3	-3	-4	-4	-4	-4	-4	-4	-2	-1	0	1	4	2	-1	0	1	9	
30	-5	-1	0	-2	-7	4	-1	-2	-3	-3	-2	-3	-3	-5	-4	-4	-3	-2	-1	0	0	-1	0	-1	0	2	1	4
31	4	-9	-7	-6	2	4	2	6	-3	-3	-3	-3	-3	-2	-2	-2	-3	-2	-1	-1	0	6	3	2	2	2	4	
AV	1	-1	-2	-2	3	3	0	-2	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-1	0	1	2	1	2	1	1		
SD	-2	-3	-3	-4	-6	-5	-2	-1	-1	-1	-2	-1	-2	-1	-1	-1	-1	-1	-1	0	1	5	3	-2	-2	1		

DELTA T (CC1191
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
JUN, 1980
AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVF	PEAK
1	-2	-3	-3	.4	.1	.1	-2	-3	-1	-2	-1	-3	-2	-2	-1	.1	-1	-1	-1	.0	-0	.1	.2	.0	.4	
2	-2	-0	-2	.8	1.0	1.5	.2	-3	-3	-3	-3	-3	-4	-3	-2	-3	-2	-1	-0	-1	-0	.5	.6	1.0	.0	
3	1.4	1.1	1.5	1.3	1.1	.5	1.0	-2	-3	-4	-3	-5	-4	-3	-2	-3	-2	-1	-0	-2	.5	.4	.5	.5	1.5	
4	.8	1.2	.1	.2	.2	.6	.3	.0	-3	-5	-5	-4	-5	-4	-4	-4	-4	-2	-1	.0	-2	.3	.2	.7	.0	
5	.4	.9	1.2	.6	.6	.3	-1	-1	-2	-4	-4	-5	-4	-5	-4	-4	-3	-1	-0	-1	-1	.2	.7	.4	1.2	
6	.4	1.0	1.2	1.0	2.0	1.4	-2	-2	-3	-4	-5	-6	-6	-5	-5	-5	-3	-1	-2	-1	-1	.1	.3	.5	2.0	
7	1.0	1.2	.4	.2	.6	.1	-2	-2	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-0	-2	.4	.9	.4	.4	1.2	
8	.4	.8	.3	1.2	1.4	.9	.1	-1	-1	-2	-3	-2	-2	-1	-2	-1	-1	-0	-1	-0	-3	.7	1.7	.7	1.7	
9	.6	1.0	.3	.9	.8	1.1	-1	-1	-2	-1	-2	-2	-3	-2	-2	-1	-1	-0	-1	-3	.6	1.6	1.1	.3	1.6	
10	.5	.4	.9	1.2	1.5	1.0	.1	-2	-1	-1	-1	-2	-2	-3	-2	-3	-1	-1	.0	-1	.5	.8	.4	.1	1.5	
11	.5	.4	.9	2.0	3.5	2.7	.7	-1	-1	-1	-3	-5	-5	-4	-4	-3	-3	-1	-0	-1	-1	.0	.2	.3	1.5	
12	.5	.3	.6	.9	.4	.8	.6	-1	-3	-3	-5	-4	-4	-4	-4	-3	-3	-1	-1	-1	.3	.4	1.1	3.1	3.1	
13	1.4	2.2	1.2	.8	1.2	1.4	.4	-1	-3	-2	-4	-3	-4	-4	-3	-3	-2	-1	-0	-1	.1	.5	.7	.4	2.2	
14	.5	.1	1.2	.7	.4	.6	.1	.3	-2	-2	-5	-5	-6	-4	-4	-4	-3	-2	-1	-0	-1	.0	-1	-1	1.4	
15	.3	.4	.7	1.4	1.0	.8	.3	-2	-2	-3	-4	-3	-2	-1	-2	-1	-2	-2	-1	-0	-3	-1	.3	.9	1.4	
16	1.3	1.2	.4	1.4	1.2	.4	-1	-2	-2	-2	-2	-2	-1	-2	-1	-2	-1	-0	-0	-0	.6	.6	.3	.4	1.4	
17	.6	.6	.8	.6	.6	.4	.0	-2	-1	-2	-2	-2	-1	-2	-2	-1	-1	-1	-0	-4	.9	.7	1.1	.4	1.4	
18	.4	.4	.7	1.1	1.5	1.1	.0	.0	-2	-1	-2	-2	-2	-2	-1	-1	-1	-0	-0	-1	.0	.2	.6	.4	1.5	
19	.3	.4	.5	.4	.4	.9	.2	.0	-1	-1	-1	-2	-2	-3	-4	-3	-2	-1	-1	-1	.2	.4	.4	.4	1.1	
20	.6	.8	.6	.7	.7	.9	.1	-2	-1	-2	-2	-3	-1	-1	-2	-2	-1	.0	.0	.0	.2	.3	.4	.5	.2	
21	.8	1.1	.8	1.2	.9	.8	.3	-1	-2	-2	-2	-3	-2	-4	-3	-3	-2	-0	-0	-2	.4	.7	.4	.6	.9	
22	1.0	.5	.7	.9	1.1	1.1	.1	-1	-1	-1	-1	-2	-1	-1	-2	-3	-2	-1	-0	-2	.4	.7	.4	.6	1.2	
23	.6	.6	.1	.6	.3	.3	.3	-1	-3	-4	-3	-4	-5	-5	-5	-5	-3	-2	-0	-1	.2	.4	.7	1.9	1.9	
24	1.1	1.0	.9	.8	1.1	.5	.3	-3	-2	-2	-3	-4	-5	-5	-5	-3	-2	-0	-0	-1	.2	.4	.7	1.9	1.9	
25	.4	.7	1.5	1.5	2.0	1.5	.8	-1	-2	-2	-5	-5	-5	-5	-4	-4	-4	-3	-1	-0	.1	.5	.3	.2	1.6	
26	.8	1.1	.9	1.0	1.5	1.7	.8	-1	-1	-3	-4	-4	-4	-4	-4	-4	-4	-2	-0	-1	.2	.1	.2	.9	2.0	
27	.5	.0	.1	.1	.1	.1	-1	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-2	-1	-0	.3	.3	1.2	.9	1.7	
28	1.9	.6	.5	.5	.5	.6	.0	-1	-2	-1	-2	-1	-3	-2	-2	-4	-4	-2	-1	-0	.7	.3	1.4	1.6	1.1	
29	.5	.7	1.0	.7	.5	.3	.0	-3	-1	-1	-1	-2	-3	-2	-2	-1	-2	-1	-1	-2	.7	1.3	1.2	.6	1.9	
30	1.1	.3	.5	.7	.9	.8	.3	.1	-0	-1	-3	-3	-5	-5	-2	-2	-3	-2	-1	-2	.2	.1	.0	.3	1.0	
AV	.7	.7	.7	.9	1.0	.8	.3	-1	-2	-2	-3	-3	-3	-3	-3	-3	-2	-1	-0	-1	.5	.5	.5	.7	1.1	
SD	.4	.5	.4	.4	.7	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.4	.4	.7	1.1	

DELTA T (CC1191
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, M139
BONANZA, UTAH
SITE 6

JUL, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.1	.1	.0	.0	.4	.1	-.1	-.2	-.2	-.3	-.2	-.2	-.1	-.2	-.2	-.2	-.1	-.1	-.2	-.1	-.1	.0	.0	.0	-.1	.4
2	.0	.0	.1	.0	.2	.0	.1	-.2	-.2	-.2	-.2	-.1	-.2	-.2	-.1	-.1	-.1	-.1	.0	.0	-.1	.2	.3	.3	.0	.3
3	.2	.2	.2	.4	.4	.5	.2	.1	.1	.2	.2	.3	.3	.1	.0	.1	.2	.1	.2	.1	.2	.7	.6	1.0	.1	1.0
4	1.0	1.0	-.1	-.1	.0	-.1	-.1	-.2	-.1	-.3	-.3	-.3	-.3	-.2	-.1	-.1	-.1	-.1	.0	.1	.7	.9	.6	.6	.1	1.0
5	.4	.2	.6	2.3	2.3	1.9	.9	.1	.2	-.1	-.2	-.4	-.5	-.3	-.3	-.2	.0	.3	.2	.3	.7	.3	.2	.5	.1	2.3
6	.9	.5	1.5	1.3	.4	.5	.4	.0	.1	-.1	-.2	.1	.2	.1	-.1	-.1	-.1	-.1	.0	.1	.6	.6	.3	.5	.4	2.7
7	.3	.3	.3	.9	.3	.4	.0	.0	.1	.0	.0	.2	.2	.2	.2	.2	.2	.2	.1	-.1	-.1	.0	.0	.1	.0	.9
8	-.1	-.1	-.1	.0	.0	.7	.0	-.2	-.3	-.3	-.3	-.3	-.2	.4	.3	-.2	-.2	-.4	-.4	-.1	-.1	.0	.5	.4	-.1	.7
9	.6	.4	.1	.4	.5	.4	.0	-.2	-.2	-.2	-.2	.0	.1	-.2	.0	-.1	.0	-.1	.0	.2	.5	.3	.1	.4	.1	.6
10	.5	.4	.3	.6	.8	.9	.2	.0	.1	.1	.2	.2	.3	.1	.1	.2	.1	.2	.1	.0	.1	.3	.6	.1	.1	.9
11	.8	1.3	.7	.7	.9	.5	.0	.0	.1	.2	.1	-.1	-.1	-.1	-.1	.0	.0	.3	.6	.1	.7	.4	.2	.2	.2	1.3
12	.6	.6	1.0	1.5	1.0	1.0	.0	.2	.2	-.1	.3	.0	.2	-.2	-.2	.3	.1	.0	.3	.2	.0	.0	.0	.1	.3	1.5
13	.2	.1	.3	.4	.3	.2	.2	.1	-.2	-.3	-.2	-.3	-.3	-.2	-.2	-.2	-.3	-.1	.0	.3	.2	.0	.2	.2	.0	.4
14	.3	.7	.6	.8	.5	.3	.3	.0	-.2	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.3	-.2	-.1	.1	.3	.2	.5	.9	.1	.9
15	2.3	.7	.9	.6	1.6	1.7	1.1	.0	.1	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.2	-.1	.1	.2	.7	1.6	.5	.4	2.3	
16	.2	.5	.6	.5	.4	.1	.1	.1	.1	.3	.1	.2	.3	.2	.1	.2	.0	.1	.0	.1	.2	.4	.9	.8	.2	1.2
17	.3	.9	1.9	1.2	.6	.5	.2	.1	.0	.2	.2	.2	.1	-.2	-.3	-.2	.3	.1	.0	.1	.2	.9	1.1	1.6	.3	1.9
18	.6	.9	1.7	.8	.9	1.9	.7	-.2	-.2	.0	.1	.1	.2	.2	.2	.2	.1	.0	.4	.9	.3	.2	.5	.5	.3	1.9
19	.9	.3	.6	.9	.5	1.2	1.1	.1	.1	-.1	-.2	-.2	-.3	-.2	-.2	-.2	-.1	-.1	.0	.1	.0	.1	.4	1.1	.2	1.2
20	.9	1.0	1.0	1.1	.6	.6	.1	.0	.2	.2	.2	.2	.2	.2	.4	.2	.2	.1	.1	.2	.5	1.5	2.3	1.4	.4	2.3
21	.6	.4	.3	1.1	.7	1.0	.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.1	-.1	.1	.1	2.5	.9	.6	.4	.3	2.5
22	1.2	.3	.6	.5	.8	.9	.3	.1	.2	.2	.1	.2	.4	.3	.4	.2	.3	.1	.0	.2	.2	.3	.5	.4	.2	1.2
23	.2	.3	.5	1.3	1.6	1.7	.5	.0	.1	.2	.2	.2	.3	.2	.1	.5	.1	.1	.5	1.1	.7	.5	.6	.6	.4	1.7
24	1.5	1.3	.8	1.1	1.2	.6	.5	.0	.1	.1	.2	.2	.2	.2	.2	.2	.1	.0	.3	.2	.4	.6	.7	.7	.3	1.5
25	.8	1.0	.7	.9	.6	.6	.1	-.2	.1	-.1	-.2	-.2	-.2	-.2	.1	.0	.2	.5	1.3	.5	.2	.9	.9	.9	.3	1.3
26	1.3	1.3	1.1	.4	.9	.9	.5	-.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.2	.5	1.3	.5	.2	.9	.3	1.3
27	.8	.6	1.4	.9	1.4	.4	.2	.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.1	.1	.2	.7	.9	.6	.5	1.4
28	.2	1.0	.5	.5	1.1	.9	.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.1	.0	.1	.2	.7	.4	.6	.5	.3	1.4
29	.8	1.2	1.6	.8	.9	1.2	.7	.0	.1	-.2	-.2	-.2	-.2	-.2	-.4	.1	.0	.0	.2	.3	.3	1.3	.6	.4	.3	1.6
30	.0	.4	.7	.4	.5	.5	.1	-.1	-.3	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.1	.2	.4	.1	.3	.1	.1	.4
31	.1	.5	.4	.1	.6	.3	.0	.1	-.1	-.2	-.2	-.2	.0	.0	.0	.0	-.1	.0	.0	.1	.3	.4	.1	.1	.1	.6
AV	.6	.6	.7	.8	.8	.8	.3	-.1	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.1	.5	.5	.5	.5	.5	.2	1.1
SD	.5	.4	.5	.6	.5	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.5	.4	.5	.4	.1	1.1

AUGUST (29 JAN 81)

DELTA T (CC#191)

DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #119

BONANZA, UTAH

SITE 6

AUG, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.1	.6	.6	.7	.3	.2	.0	.0	-.1	.0	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.0	.2	.0	.0	.4	.6	.1	.7
2	.5	.6	.9	1.3	1.0	-.6	.3	-.3	-.2	-.2	-.2	-.4	-.3	-.5	-.2	-.2	-.2	-.2	.0	.1	.4	1.4	1.1	.4	.3	1.4
3	.4	.3	.4	.7	.3	.1	-.2	.1	-.2	-.3	-.2	-.4	-.4	-.4	-.5	-.3	-.4	-.2	.0	.1	.1	.2	.3	.3	.0	.7
4	.5	.2	.4	1.4	1.6	1.2	.0	-.1	-.2	-.2	-.2	-.2	-.3	-.2	-.3	-.2	-.2	-.2	.0	.1	.2	.7	.4	.3	.3	1.6
5	.2	.8	.3	.6	.5	.7	-.2	-.1	-.2	-.2	-.2	-.2	-.2	-.1	-.1	-.2	-.2	-.1	.0	.2	.6	.4	.3	.3	.1	.7
6	.5	.7	.8	.5	1.5	1.3	1.5	.3	-.1	-.1	-.2	-.2	-.4	-.3	-.3	-.3	-.2	-.1	.0	.2	.6	.6	.3	.6	.3	1.5
7	1.9	1.8	1.5	.5	1.0	2.1	1.8	.1	-.1	-.1	-.1	-.2	-.2	-.1	.0	.0	.0	.0	.1	.3	.8	.4	.1	.1	.6	2.1
8	.7	.9	.6	.8	.8	.6	.2	-.1	-.1	-.1	-.1	-.1	-.2	-.3	-.2	-.1	.0	.2	.5	.6	.6	.3	.1	.2	.9	.9
9	.2	.1	.1	.8	2.1	2.9	1.2	-.2	-.2	-.2	-.1	-.2	-.2	-.1	-.1	-.2	-.3	-.1	.4	1.4	1.2	1.3	1.4	.5	2.9	.2
10	.4	.6	.4	.7	.9	1.2	.3	-.2	-.1	-.2	-.2	-.1	-.3	-.3	-.3	-.3	-.2	-.2	.0	.2	.2	.7	1.0	1.5	.2	1.5
11	1.4	1.5	.6	.9	.6	.3	.3	-.1	-.1	-.2	-.2	-.1	-.1	-.2	-.1	-.1	-.1	.0	.1	.5	1.5	.6	.5	.3	.3	1.5
12	.3	.4	.6	.3	1.3	1.3	.7	.1	-.1	-.2	-.2	-.2	-.2	.0	.0	-.1	.0	.0	.0	.3	.0	.0	.0	.1	.2	1.3
13	.2	1.0	1.6	.9	.3	.6	.5	.0	.0	-.1	-.2	-.1	-.3	-.2	.0	.0	.2	.2	.1	.1	.0	-.1	-.1	-.1	.2	1.6
14	.0	.2	.3	.1	.7	.3	.2	-.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.1	.0	.1	.0	.1	.2	.1	.0	.7
15	.1	.1	.0	-.2	-.2	.0	.0	-.1	-.1	-.2	-.2	-.2	-.2	-.3	-.3	-.3	-.2	-.1	.0	.3	.0	-.1	.0	.6	.0	.6
16	.2	.5	.4	.4	.2	.1	.0	-.1	-.2	-.2	-.2	-.2	-.1	-.2	-.3	-.3	-.2	-.1	.0	.3	.0	-.1	.0	.6	.0	.6
17	.4	.8	.3	.3	.2	.7	.6	-.1	-.2	-.1	-.2	-.2	-.1	-.2	-.3	-.3	-.2	-.1	.0	.2	.4	.3	.2	.6	.1	.4
18	.4	1.1	1.5	2.3	3.4	2.5	2.5	.5	-.2	-.1	-.4	-.4	-.4	-.4	-.5	-.3	-.3	-.1	.0	.2	.4	.1	.2	.4	.5	3.4
19	.8	.4	.3	.4	.4	.2	.2	-.2	-.3	-.5	-.4	-.4	-.4	-.3	-.2	-.2	-.2	-.3	-.2	.0	.1	.2	.4	.5	.5	3.4
20	1.1	1.0	.3	.0	.0	-.1	-.2	-.3	-.3	-.3	-.4	-.4	-.4	-.3	-.2	-.2	-.2	-.3	-.2	.0	.3	1.0	1.3	.4	.1	1.3
21	.7	.4	.5	.5	.6	.8	.5	-.2	-.1	-.2	-.2	-.1	-.1	-.2	-.2	-.2	-.2	.0	.1	.4	.6	.9	.5	.3	.2	.9
22	.5	1.2	1.1	1.1	1.3	1.5	.1	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.2	-.2	-.2	.0	.1	.5	.7	.2	.5	.3	1.5	.5
23	.3	.3	.3	.3	.1	.2	.7	.3	-.2	-.2	-.2	-.2	-.2	-.1	-.2	.1	2.2	1.9	1.5	1.4	1.5	1.7	.9	.3	.5	2.2
24	.2	.1	.3	.0	-.1	.1	.0	-.1	-.2	-.3	-.2	-.1	-.2	-.2	-.2	-.1	-.1	-.1	-.1	.3	.1	.0	.1	.1	.0	.4
25	.2	.4	.3	.0	-.1	.1	.1	-.2	-.2	-.3	-.1	.0	-.2	-.3	-.5	-.5	-.2	-.2	-.2	-.1	.0	.1	.1	.1	.0	.4
26	.1	.2	.1	.2	.3	.3	.3	-.2	-.2	-.2	-.1	-.1	-.1	-.1	-.2	-.1	-.1	-.1	.0	.2	.3	.1	.3	.1	.0	.3
27	.3	.3	.3	.2	.2	.2	.1	-.2	-.2	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	.0	.1	.3	.7	.6	1.5	.3	.0	.3
28	.2	.4	1.2	2.0	2.9	1.9	2.7	.2	-.1	-.1	-.2	-.4	-.5	-.4	-.4	-.4	-.2	.0	.1	.1	.2	.1	1.1	1.1	.4	2.9
29	.2	.1	.1	.1	.4	.6	.6	.0	-.1	-.2	-.3	-.3	-.3	-.3	-.4	-.2	-.1	-.1	.0	.2	.4	.1	.0	.0	.0	.6
30	.3	.5	1.7	1.6	2.3	1.1	2.2	.8	-.1	-.1	-.2	-.2	-.2	-.1	-.2	-.2	-.2	-.1	-.1	.0	.2	.4	1.0	.0	.0	.6
31	1.0	.5	.7	.6	.2	.0	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.3	-.4	-.3	-.3	-.1	.0	.1	.1	.0	.7	.4	.1	1.0
AV	.5	.6	.6	.6	.8	.8	.7	.0	-.1	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.1	.2	.4	.4	.4	.5	.2	1.1
SD	.4	.4	.5	.6	.9	.8	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.4	.4	.3	.3	.4	.5	.4	.4	.2	1.1

DELTA T (CC:191)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6
SEP. 1980
AEROVIRONMENT INC.

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* * * * *
* * * * * FINAL DATA
* * * * * AS OF 31/MAR/81
* * * * *
* * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.2	.7	.6	.4	.7	.6	.0	-.2	-.3	-.2	-.3	-.2	-.4	-.2	-.2	-.1	-.2	.1	.0	1.0	.8	1.0	.6	1.3	.2	1.3
2	1.1	.7	.6	.4	.4	.9	-.1	-.2	-.2	-.2	-.2	-.2	-.3	-.2	-.2	-.1	-.1	-.1	.1	1.5	.3	1.2	.3	.4	.2	1.1
3	.9	.6	.2	.4	2.2	1.3	2.4	.7	-.1	-.1	-.2	-.2	-.3	-.2	-.2	-.2	-.2	.0	.1	4.3	3.0	1.4	2.0	.7	.8	4.3
4	.5	.4	.7	.3	.4	.6	.5	-.1	-.2	-.2	-.1	-.1	-.2	-.2	-.3	-.1	.0	.0	.3	1.5	1.0	.5	.5	.5	.2	1.5
5	.6	.8	.7	.4	.6	1.0	.9	.1	-.2	-.2	-.1	.0	-.2	-.2	-.1	-.2	.1	.1	.3	1.0	1.4	.6	.7	.7	.7	1.4
6	.3	1.2	1.5	1.3	.7	.3	.8	.0	-.3	-.2	-.2	-.3	-.2	-.2	-.2	-.2	-.1	-.2	.0	.3	.1	.2	.1	.1	.3	2.1
7	.0	1.5	0.0	.8	.6	.7	.4	.0	-.2	.1	.5	.6	.1	-.2	-.2	.4	.2	.1	.0	.1	.0	-.1	.0	-.1	.2	.8
8	1.0	1.0	1.0	.4	.8	1.2	1.3	1.1	.7	.3	.0	-.2	-.2	-.2	-.1	-.2	-.1	.0	.1	.1	.2	.6	.5	.1	.4	1.3
9	.1	.2	.1	.1	.3	.4	.4	.1	-.1	-.2	-.2	-.2	-.2	-.2	-.3	-.2	-.1	-.2	-.1	-.2	-.1	-.1	-.1	-.1	.0	.4
10	-.2	-.2	-.2	-.6	-.5	-.1	-.2	-.2	-.1	-.2	-.2	-.2	-.3	-.2	-.2	-.2	-.1	-.1	-.1	.1	.0	.0	.4	.1	.4	.4
11	.4	.7	.5	.6	.5	.3	1.5	.3	-.2	-.2	-.3	-.3	-.3	-.4	-.3	-.2	-.2	-.1	.0	.1	.0	.4	.1	.3	.1	1.5
12	.1	.2	.1	.3	.3	.9	.7	.1	-.1	.3	.2	.1	-.2	-.2	-.2	-.1	-.1	-.1	.0	.1	.3	.2	.3	.1	.1	.9
13	.0	.2	.1	.2	.3	.6	.5	-.1	-.1	-.2	-.1	-.3	-.4	-.3	-.2	-.2	.0	.4	.7	.7	.6	1.1	1.2	.2	.2	1.2
14	1.0	1.0	1.1	1.2	.9	1.1	1.5	.5	.1	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.4	.9	.3	.3	.8	2.1	1.9	.5	2.1
15	1.5	1.0	1.7	1.8	1.1	.8	.6	.1	-.2	.3	.2	.2	.3	.3	.2	.2	.0	.1	.1	.1	.3	.3	.4	.2	.3	1.8
16	.3	.2	.4	.8	.9	.3	.5	.2	-.1	-.1	-.3	-.4	-.4	-.3	-.3	-.2	-.1	.0	.3	1.8	.8	.4	.2	.2	.2	1.9
17	.1	.5	.6	.2	.3	.6	.2	.0	-.1	-.2	-.2	-.2	-.3	-.3	-.2	-.2	.0	.1	.4	.0	.0	.1	.3	.8	.1	.9
18	.9	.7	.6	.4	.6	.4	.4	.0	-.2	-.2	-.2	-.1	-.2	-.1	-.3	-.2	.0	.1	.4	.2	.0	.0	.1	.1	.1	.9
19	.1	.2	.2	.2	.1	.2	.1	-.1	-.2	-.2	-.2	-.2	-.4	-.4	-.2	-.2	.0	.1	.0	.1	.4	.2	.0	.1	.1	.9
20	-.1	.1	.4	.4	.3	.2	.1	-.1	-.2	-.2	-.2	-.4	-.4	-.4	-.2	-.1	-.1	.0	.1	.2	.3	.5	.4	.7	.0	.2
21	.2	.3	.3	.7	1.5	1.8	1.3	.0	-.4	.3	.3	.4	.3	.3	.5	.4	.1	.0	.1	.0	.1	.1	.8	.9	.2	1.8
22	.8	.7	1.0	.6	.9	1.3	.6	.0	-.2	.2	.3	.2	.3	.3	.3	.2	.1	.1	.5	1.1	.5	.2	.2	.8	.3	1.3
23	.3	.4	.2	.2	.4	.2	.3	.3	-.3	-.2	-.2	-.3	-.4	-.4	-.3	-.2	.1	.0	.3	1.3	.8	1.0	2.2	.9	.3	1.3
24	.3	.8	.6	1.1	.6	.4	.5	.0	-.2	-.2	-.2	-.4	-.4	-.5	-.3	-.3	.0	.6	1.3	.6	.6	.6	.6	.8	.4	1.9
25	.8	.6	1.6	1.3	1.9	.8	.4	.1	-.4	.3	.3	.3	.3	.2	.3	.2	.0	.8	1.2	1.2	1.0	.6	.6	.8	.4	1.9
26	.5	.5	.7	.7	.4	.2	.7	.0	-.3	-.2	-.2	-.2	.3	.2	.3	.2	.0	.8	.8	.8	.8	.6	.4	.8	.4	1.2
27	.9	1.0	.8	.8	.5	1.2	.3	-.1	-.2	-.2	-.2	-.4	-.4	-.4	-.3	-.1	.0	.8	.7	.9	.8	.5	.7	1.2	.4	1.2
28	1.1	.6	.9	.8	.2	.6	1.0	.3	-.2	-.2	-.2	-.4	-.3	-.2	-.2	-.1	.0	1.0	.4	.4	.3	.5	.8	.4	.3	1.1
29	1.0	.8	1.1	.7	.5	.3	.1	-.2	.1	-.3	-.2	-.2	-.2	-.2	-.1	-.2	.0	.4	1.8	1.8	.6	.5	.2	.4	.3	1.8
30	.5	.3	.2	.7	.1	.6	.5	.0	-.2	-.3	-.3	-.3	-.2	-.2	-.2	-.1	.0	.1	1.4	.8	1.4	.9	.6	.7	.3	1.4
AV	.5	.5	.6	.6	.7	.7	.7	.1	-.2	-.2	-.2	-.3	-.2	-.2	-.2	-.1	.0	.3	.7	.6	.5	.6	.6	.6	.2	.1
SD	.8	.3	.5	.4	.5	.4	.5	.3	.2	.1	.1	.2	.1	.1	.1	.1	.1	.1	.3	.9	.6	.4	.4	.5	.2	.1

DELTA T ICC1191
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
OCT, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	1.6	.9	.4	.9	.9	.5	.8	.4	-.2	-.2	-.3	-.2	-.2	-.3	-.2	-.2	-.0	.3	.7	1.4	.6	1.8	.9	1.0	.5	1.8	
2	1.4	.6	.2	.3	1.2	.6	-.2	-.2	-.3	-.4	-.4	-.2	-.2	-.1	-.1	-.1	-.1	.0	.6	.6	.6	1.4	.6	1.4	.3	1.4	
3	.6	.4	.4	.5	.5	.0	.1	.3	-.2	-.2	-.2	.3	.2	-.1	-.1	-.1	-.1	.0	1.4	.9	.6	.3	.6	.6	.2	1.4	
4	.9	1.0	.5	.4	.2	.5	.6	.7	-.3	-.2	-.2	-.2	-.2	-.3	-.2	-.2	-.1	.0	1.1	.9	.8	.6	.6	.9	.3	1.1	
5	1.4	.7	.9	.6	.4	.2	.4	.2	-.1	-.3	-.3	.0	-.1	-.2	-.2	-.2	-.1	.0	.9	2.6	1.2	.5	.7	.4	.4	2.6	
6	.5	.9	.6	.7	1.1	.7	.7	.0	-.4	-.3	-.2	-.3	-.4	-.2	-.2	-.1	-.1	.0	1.5	1.5	1.0	.4	.6	.3	.3	1.5	
7	.6	.8	.7	.5	.5	.6	.6	.5	-.2	-.3	-.1	-.3	-.2	-.2	-.2	-.1	-.1	.0	2.0	1.9	.6	.4	.4	.9	.4	2.0	
8	.9	.6	.7	.7	.6	.3	.5	.4	-.3	-.3	-.2	-.2	-.2	-.1	-.1	-.1	.0	.1	2.1	1.1	.8	.5	1.5	1.1	.4	2.1	
9	.9	.9	.2	.7	1.1	.7	1.1	.7	-.1	-.2	-.2	-.3	-.2	-.1	-.1	-.1	.0	.1	2.3	2.7	2.2	1.2	.3	.5	.4	2.7	
10	.5	1.2	1.4	1.1	1.8	.7	.4	.2	-.1	-.3	-.4	-.3	-.2	-.2	-.3	-.2	-.1	.1	.8	2.4	.9	.5	1.4	.9	.5	2.4	
11	1.1	.2	.3	.4	.7	.0	.6	.4	-.2	-.2	-.4	-.3	-.2	-.2	-.2	-.2	-.1	.3	.8	.1	.6	.5	.3	.4	.2	1.1	
12	1.1	.9	2.5	2.6	1.6	.9	.7	.7	.3	-.3	-.3	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.0	.0	.0	.3	.4	.2	1.1
13	.4	.1	-.3	-.2	-.2	-.1	.0	.0	-.2	.3	-.4	-.3	-.2	-.2	-.2	-.2	-.2	-.1	-.1	-.1	-.2	-.1	-.1	-.2	-.2	.4	
14	.1	.2	.1	.0	.0	.1	.1	-.2	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.3	.0	
15	-.3	-.2	-.2	-.3	-.3	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.3	.0	
16	-.4	-.3	-.3	-.3	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.3	.0	
17	-.3	-.3	-.2	-.1	-.1	-.1	-.1	-.2	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.2	-.2	-.2	-.1	-.2	-.1	-.1	.0	
18	-.1	-.2	-.2	-.3	-.2	-.2	-.2	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	1.0	1.0	1.1	1.1	1.1	1.1	1.0	.8	
19	.0	.2	.1	.2	.3	.3	.3	.3	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.2	.6	.6	.4	.2	.3	.0	.1	.4	
20	.0	.2	.2	.3	.3	.3	.3	.3	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.2	1.4	.7	.2	.6	.3	.5	.2	.8	
21	.3	.4	.4	.4	.4	.4	.4	.4	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.2	.6	.7	.2	.6	.3	.5	.2	.8	
22	1.3	1.3	.4	.7	.6	.9	1.1	1.0	.6	.1	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.2	-.1	-.1	.0	.4	.4	.7	.2	1.3	
23	1.4	1.6	.9	1.3	.0	-.4	-.2	.0	-.4	-.4	-.4	-.3	-.2	-.2	-.2	-.2	-.2	-.2	.2	.5	.1	.5	.1	.2	.1	1.6	
24	.2	.4	.0	.2	.1	.3	.2	.2	-.3	-.2	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.2	.2	.5	.1	.5	.1	.2	.1	1.6	
25	.3	.4	.6	.3	.9	.5	.4	.2	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.2	.7	1.3	.5	.6	.3	.5	.1	1.3	
26	.0	.6	1.0	1.0	.3	.4	.7	.6	-.1	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	1.2	.8	.5	.9	1.1	.3	.2	1.2	
27	-.1	-.1	.0	-.2	-.2	-.1	-.1	.0	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	.2	.2	-.2	-.1	-.2	-.3	-.3	.0	1.0
28	.1	.0	.1	.6	1.1	.5	.2	.2	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.2	.3	-.2	-.2	-.2	.0	.0	.0	.0	
29	.1	.1	-.1	.2	.3	-.1	.1	.7	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.2	.1	.4	.1	.4	.1	.2	.1	1.1	
30	.4	.4	.2	.7	.6	.5	.4	.5	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.5	1.2	.3	.5	.6	.3	.1	1.2	
31	.5	.5	.5	.4	.4	.6	.5	.5	-.1	-.2	-.3	-.2	-.3	-.3	-.3	-.3	-.3	-.1	.5	1.4	1.4	.8	.6	.5	.4	.4	1.4
AV	.5	.5	.4	.5	.5	.3	.3	.2	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.2	.0	.7	.8	.4	.4	.4	.4	.4	.4	
SD	.6	.5	.6	.4	.5	.4	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.8	.9	.6	.5	.5	.4	.4	.4	

DELTA T (CC8191)
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT, M139
BONANZA, UTAH
SITE 6
NOV. 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.7	.5	.3	.5	.6	.5	.3	.6	-.1	-.3	-.1	-.2	-.3	-.3	-.3	-.2	.0	.3	1.4	.0	.6	.4	.4	.6	.3	1.4	
2	1.1	.9	.7	-.2	-.2	1.0	.5	.3	-.1	-.3	-.3	-.3	-.3	-.1	-.2	-.3	-.1	.2	1.4	1.1	.7	.9	1.3	.7	.4	1.4	
3	.5	.9	.3	.8	-.1	.3	.7	1.0	-.2	-.3	-.3	-.3	-.2	-.2	-.2	-.1	-.2	.5	.3	.4	.5	.4	.8	.5	.2	1.0	
4	.5	.5	.3	.4	-.5	.5	.3	.3	.0	-.3	-.2	-.3	-.3	-.3	-.2	-.2	.0	.4	1.5	1.2	.5	.5	1.3	.7	.3	1.5	
5	.7	.5	.7	.3	.7	.3	1.1	.8	.1	-.3	-.2	-.2	-.3	-.2	-.2	.0	.4	1.4	1.6	.7	.8	.8	.8	.6	.4	1.6	
6	.4	.5	.8	.7	.4	.6	1.0	1.0	.1	-.2	-.3	-.2	-.3	-.3	-.2	-.1	.0	.3	.8	.3	.6	.3	.3	.8	.3	1.0	
7	1.4	.9	2.3	2.4	1.7	1.8	1.3	1.0	.6	-.2	-.1	-.2	-.3	-.2	-.4	-.3	-.2	.1	1.1	1.1	.4	1.1	1.1	1.0	.6	2.4	
8	.2	.1	.0	-.2	.0	.1	.1	.1	-.1	-.2	-.3	-.4	-.4	-.3	-.2	.1	.3	.6	.2	.2	.2	.2	.3	.3	.0	.6	
9	.1	.5	.5	.6	.5	.2	.8	1.0	-.2	-.3	-.2	-.3	-.3	-.3	-.2	.0	1.5	1.9	2.7	2.7	4.3	4.4	3.1	1.0	4.6	4.6	
10	2.5	2.0	2.5	2.4	2.5	1.3	1.7	1.6	.4	-.2	-.3	-.3	-.3	-.2	-.1	.2	1.5	1.5	2.3	2.3	2.3	.8	.6	1.1	2.5	1.1	
11	.4	.9	1.5	.8	1.3	1.9	1.8	2.6	.4	-.2	-.3	-.2	-.3	-.2	-.1	.2	.6	.7	.5	.3	.5	.6	.7	.6	2.6	.6	
12	.5	1.0	1.5	1.1	1.6	1.0	1.3	.3	1.2	.7	-.2	-.3	-.3	-.3	-.3	-.2	.2	.2	-.1	-.2	-.1	-.1	-.1	.0	.3	1.6	
13	.1	.2	-.1	-.1	-.2	-.3	-.3	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.4	-.3	.4	
14	-.3	-.3	-.3	-.2	-.1	-.3	-.3	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.4	-.3	.4	
15	-.4	.0	-.1	-.2	-.2	-.1	.1	-.2	-.4	-.3	-.4	-.3	-.3	-.4	-.4	-.4	-.3	-.3	-.3	-.1	.0	-.1	-.2	-.3	-.2	.4	
16	-.3	-.3	-.3	-.5	1.0	.6	.9	.8	.0	-.3	-.4	-.3	-.4	-.4	-.3	-.3	-.3	-.2	.2	.8	.8	.7	.2	.1	-.1	1.0	
17	.4	.4	.0	.0	-.1	-.1	-.2	-.2	-.4	-.4	-.3	-.4	-.5	-.5	-.3	-.3	-.3	.3	1.4	.5	.6	.1	.0	.2	.0	1.4	
18	.0	.1	-.1	.3	.1	.0	.2	.8	-.1	-.4	-.3	-.4	-.4	-.3	-.2	.5	.4	.3	.2	.5	.4	.3	.1	.2	.0	.4	
19	.3	.1	.1	.0	.0	.6	.0	.2	-.5	.3	-.3	-.3	-.4	-.2	.3	-.3	-.2	.0	1.2	1.3	.3	.8	.6	.3	.1	1.3	
20	.0	.0	.1	.1	.2	.1	.0	.1	.1	-.3	-.3	-.4	-.3	-.3	-.3	-.1	.3	.9	.2	.4	.4	.4	.1	.4	.0	.9	
21	.4	.2	.3	.3	.6	-.1	1.1	.3	.1	-.3	-.4	-.4	-.4	-.3	-.3	-.3	-.1	.4	.9	1.1	1.2	1.3	1.7	1.5	.3	1.7	
22	2.1	1.0	1.1	1.5	.7	1.2	.8	.4	.2	-.2	-.3	-.4	-.4	-.3	-.3	-.3	-.3	-.2	.0	.0	.0	.1	.5	.5	.3	2.1	
23	.8	.5	.3	.1	.1	.5	.3	.7	.1	-.2	-.3	-.3	-.3	-.3	-.3	-.2	.1	.1	.2	1.3	1.2	1.1	.5	.2	.0	.8	
24	-.2	-.2	-.2	-.2	-.2	-.2	-.1	-.2	-.2	-.3	-.4	-.5	-.5	-.2	-.1	.0	-.1	.0	.7	.0	.5	.4	1.3	1.1	.0	1.3	
25	.9	1.0	2.0	1.8	-.4	.5	.5	1.1	.6	-.1	-.2	-.2	-.2	-.2	-.1	.0	.7	.7	.4	.7	-.2	-.2	-.2	-.2	.2	2.0	
26	-.3	-.2	.0	.2	.7	.2	.0	-.4	-.6	-.4	-.3	-.2	-.3	-.3	-.3	-.3	.4	.8	.7	.7	.7	.2	.2	.0	.0	.4	
27	.0	.1	.1	.1	.2	.4	.3	.5	.1	-.5	-.4	-.4	-.4	-.3	-.3	-.3	-.3	-.2	-.2	-.2	.6	.6	.6	.6	.6	.0	.4
28	.6	1.0	.7	.3	.4	.3	.7	1.1	.0	-.3	-.3	-.3	-.3	-.2	-.1	.0	.5	.9	.3	1.2	1.6	1.4	1.4	1.4	.3	1.6	
29	.5	.3	1.1	1.5	.9	1.5	.8	1.1	.7	-.1	-.4	-.2	-.3	-.2	-.1	.0	.7	1.6	1.1	1.5	.9	.8	1.0	.8	.6	1.6	
30	.6	1.0	.9	.7	.5	1.4	1.0	1.7	2.1	3.2	.6	.5	.7	.4	.2	.1	.1	.2	.6	1.0	.4	.3	.0	.3	.4	3.2	
AV	.5	.5	.6	.6	.5	.5	.5	.5	.7	.5	.7	.2	.2	.3	-.3	-.2	-.1	.2	.7	.6	.7	.6	.6	.6	.7	1.1	
SD	.6	.5	.7	.7	.6	.6	.6	.7	.5	.7	.2	.2	.2	.2	.1	.1	.1	.4	.6	.7	.7	.9	.9	.7	.7	1.1	

DELTA T ICC1191
DEGREES CELSIUS

WHITE RIVER SHALE PROJECT.#139
RONANZA, UTAH
SITE 6
DEC. 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVF	PEAK	
1	.5	.7	.7	1.2	.8	1.2	.2	.0	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.3	.0	.4	.4	.5	.2	.7	.4	.1	.2	1.2	
2	.2	.7	.5	.1	.2	.6	.4	.7	-.2	-.3	-.4	-.4	-.3	-.2	-.2	-.2	.0	-.6	.8	1.0	.5	.4	.6	.1	.2	1.0	
3	.4	.9	.4	.4	.5	.9	.4	.4	-.1	-.2	-.3	-.3	-.3	-.1	-.2	.0	.2	.4	.4	.6	.2	1.5	3.0	2.5	.5	1.0	
4	3.2	2.9	3.4	2.4	2.8	1.1	1.3	-.1	-.1	-.2	-.3	-.4	-.4	-.2	-.2	-.2	-.2	-.2	.0	.6	.0	.0	-.1	.1	.6	3.4	
5	.4	.3	-.1	-.1	.8	.2	-.1	-.4	.3	.2	-.2	-.3	.0	-.1	-.1	-.1	-.1	-.1	.0	.0	.1	-.1	.0	.1	.1	.6	
6	.0	-.1	.0	.0	-.1	-.1	-.1	-.2	-.2	-.3	-.5	-.5	-.3	-.4	-.3	-.2	-.2	-.2	.0	.1	.0	-.2	.0	.2	-.2	.2	
7	.2	.4	.1	-.2	-.2	-.3	-.4	-.2	-.3	-.4	-.5	-.4	-.4	-.4	-.4	-.3	-.3	-.2	-.3	-.3	-.2	-.2	-.2	-.2	-.2	.4	
8	-.3	-.4	-.3	-.2	-.2	-.2	-.4	-.4	-.4	-.3	-.4	-.3	-.3	-.4	-.4	-.4	-.3	.0	.2	-.2	-.1	-.4	-.3	-.4	-.3	.4	
9	-.3	-.3	-.3	-.3	-.6	-.4	-.3	-.5	-.3	-.4	-.4	-.4	-.5	-.4	-.4	-.4	-.3	-.2	.2	.0	-.1	-.1	.0	.0	-.3	.2	
10	-.1	.0	.0	.0	-.1	.0	.0	.1	-.1	-.5	-.3	-.4	-.4	-.4	-.4	-.3	-.2	-.1	.4	.6	.3	.1	.3	.1	.0	.6	
11	.3	.6	1.0	.6	.7	.1	.6	.5	.2	-.5	-.3	-.8	-.4	-.4	-.3	-.3	-.1	.4	1.0	.9	.6	.8	.3	.5	.3	1.0	
12	.5	.4	.3	.5	.2	.4	.7	.7	.2	-.2	-.4	-.4	-.2	-.3	-.2	-.1	.2	.9	.5	1.3	.5	1.0	.9	.9	.3	1.3	
13	.4	.5	.4	.2	.2	.1	.3	.1	.3	-.4	-.3	-.4	-.2	-.3	-.2	-.1	.7	.8	.7	.9	.2	.7	.7	.9	.2	.7	
14	.3	.6	.7	.4	.5	.7	.1	.5	.1	-.3	-.3	-.3	-.3	-.3	-.3	-.3	-.1	.1	.8	.4	.4	.4	.0	.3	.2	.7	
15	.4	.3	.3	.7	.8	.6	.7	.8	.3	-.3	-.3	-.3	-.4	-.3	-.2	-.2	.0	.5	1.1	1.4	1.4	.6	.3	.8	.3	1.4	
16	.8	.9	.6	.6	.4	.7	.3	.3	.3	-.1	-.3	-.3	-.3	-.3	-.3	-.3	.0	.3	1.4	2.0	.7	.7	.8	.5	.4	2.0	
17	1.0	.7	.6	.1	1.1	1.2	1.1	.1	.3	-.3	-.3	-.3	-.3	-.3	-.3	-.3	.0	.5	1.7	1.3	1.7	1.0	.9	.8	.5	1.7	
18	.8	.9	.9	1.4	1.1	.6	.9	.8	.6	.1	-.1	-.3	-.3	-.3	-.3	-.3	.0	.5	1.0	.5	.7	.8	.5	.9	.5	1.4	
19	1.0	.8	.8	.8	.9	.6	.7	.9	.9	.0	-.1	-.4	-.2	-.3	-.2	-.3	.0	.5	2.2	.5	1.0	.7	.9	.5	.5	2.2	
20	.4	.2	.5	.4	1.0	.8	.4	.4	.6	-.1	-.3	-.4	-.4	-.3	-.3	-.3	-.1	.4	1.4	.9	.9	.6	.6	.6	.3	1.4	
21	.7	.6	.3	.0	.2	.3	.0	.6	.7	-.1	-.3	-.4	-.3	-.3	-.2	-.2	-.1	.5	1.4	1.6	1.1	1.6	1.4	1.0	.7	2.2	
22	.8	1.3	.8	1.4	2.2	2.0	.5	1.3	1.1	1.0	-.1	-.2	-.2	-.2	-.2	.0	.2	.4	.9	1.1	.9	1.1	.8	.7	.0	.7	2.2
23	.2	.8	1.4	.7	.0	-.2	.1	.1	.0	-.3	-.3	-.4	-.4	-.3	-.3	-.2	-.1	1.0	.7	.4	.1	.2	.2	.0	.1	1.4	
24	.1	1.0	.3	.1	.8	.5	.3	.4	.4	-.2	-.2	-.3	-.3	-.3	-.4	-.3	-.2	.0	.6	.5	.7	.4	.7	1.1	.2	1.1	
25	1.0	.9	.6	.5	.8	.6	.6	.7	1.1	1.6	.2	-.1	-.2	-.3	-.3	-.2	-.1	.6	.4	.5	.7	.3	.3	.1	.4	1.6	
26	.2	.3	.7	.5	.8	1.1	1.2	1.1	.2	.0	-.2	-.2	-.2	-.2	-.2	-.2	-.1	.3	1.4	2.0	.8	.9	.6	.4	.5	2.0	
27	.4	.2	.6	.8	.3	.7	.9	1.0	.6	.1	-.3	-.3	-.3	-.3	-.3	-.2	.0	.1	.8	1.7	1.1	.9	.9	.5	.4	1.7	
28	.8	.7	.2	.6	.3	.5	.7	.6	.7	.5	.0	-.2	-.3	-.3	-.3	-.3	-.1	.6	.6	.6	.8	.8	.7	.7	.3	.8	
29	.7	.5	.6	.8	.7	.4	.6	.3	.4	-.1	-.2	-.3	-.3	-.3	-.3	-.3	-.1	1.1	1.5	.7	.6	.3	.5	.6	.4	1.5	
30	.6	.7	.5	.4	.5	.3	.6	.4	.7	-.2	-.3	-.3	-.3	-.3	-.3	-.3	-.1	.0	1.1	.8	.3	.8	.6	.5	.3	1.1	
31	.3	.0	.7	.8	.5	1.0	.2	1.0	-.4	-.4	-.4	-.4	-.4	-.4	-.4	-.1	.3	1.9	1.2	1.3	.8	1.0	.5	.5	.4	1.9	
AV	.5	.6	.6	.5	.6	.5	.4	.4	.3	-.1	-.3	-.3	-.3	-.3	-.3	-.2	-.1	.3	.8	.7	.6	.5	.6	.5	.3	1.1	
SD	.6	.6	.6	.6	.7	.5	.4	.5	.4	.3	.1	.1	.1	.1	.1	.1	.1	.4	.6	.6	.5	.6	.6	.5	.2	1.1	

 • WHITE PEVER SHALE PROJECT, #159
 • POGONZA, UTAH
 • SITE 6
 • JAN, 1980
 • AEROVIRONMENT INC.

SIGMA INETA ICC:201
 DEGREES
 LEVEL HEIGHT : 30 METERS

 • FINAL DATA
 • AS OF 03/JUN/81
 • *****

CLCK HOUR ILOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4	8	13	4	12	6	4	4	7	19	22	15	15	22	12	10	5	3	10	11	8	15	13	9	10	22
2	8	7	9	6	4	4	7	7	9	7	12	17	20	22	21	21	13	14	9	12	6	6	11	15	11	22
3	20	13	16	13	7	5	6	6	6	13	22	21	17	10	14	8	7	5	12	20	17	22	17	13	13	22
4	11	9	14	11	14	8	13	12	13	10	19	22	20	16	21	16	11	5	4	7	16	20	21	12	14	22
5	11	7	13	25	25	7	5	7	9	17	22	22	20	18	20	14	20	7	4	18	25	21	15	15	15	25
6	13	12	15	14	5	10	14	14	8	7	9	10	12	11	7	7	7	6	8	11	9	4	7	13	10	15
7	10	14	9	12	12	9	10	9	9	17	25	20	11	8	5	5	5	12	5	5	6	7	7	15	12	25
8	14	10	13	10	9	7	6	8	14	17	13	13	12	13	23	10	16	20	23	20	18	24	17	12	14	24
9	13	13	12	7	6	8	10	7	8	8	8	9	9	9	9	11	10	9	14	15	9	9	7	9	10	15
10	12	11	9	8	8	9	10	10	10	10	9	10	11	9	8	7	7	7	8	8	8	7	16	12	9	16
11	12	5	5	5	5	5	6	10	8	10	21	23	26	23	21	10	10	8	11	6	6	8	5	7	11	26
12	12	8	10	8	8	6	5	7	10	12	10	12	12	12	16	14	14	16	14	16	9	14	17	12	11	17
13	8	13	13	16	13	13	13	12	15	17	16	11	9	7	13	15	10	8	14	17	9	12	13	13	13	17
14	11	8	9	8	10	9	9	10	8	6	7	10	9	13	10	7	8	9	9	5	16	12	14	9	9	16
15	8	9	8	5	10	14	13	12	6	6	15	9	11	11	10	13	7	6	8	15	6	9	4	6	9	15
16	12	8	4	5	5	8	6	6	5	12	12	9	8	13	6	4	5	6	10	5	5	3	4	6	7	13
17	6	4	14	7	13	6	5	12	6	11	17	14	8	6	6	7	9	5	5	9	9	6	4	4	4	17
18	5	7	8	8	7	18	12	5	3	4	7	10	16	8	5	6	5	5	7	11	10	6	6	9	8	18
19	5	7	7	12	12	13	11	9	10	12	18	15	10	12	7	8	8	14	6	6	6	9	13	6	10	18
20	11	15	8	8	6	9	7	11	8	15	18	14	9	12	10	16	12	5	4	7	7	13	13	10	10	18
21	14	12	12	11	6	8	8	11	11	10	10	10	14	14	23	18	9	5	5	6	7	6	5	6	10	23
22	8	11	6	5	4	7	7	7	7	9	13	25	25	18	29	17	14	6	4	5	11	5	6	4	11	29
23	4	7	5	7	7	5	19	9	8	22	27	18	13	9	12	13	18	9	13	18	14	15	12	12	27	
24	13	14	14	14	12	18	22	13	17	18	22	22	26	22	14	21	16	9	10	15	21	15	21	18	17	26
25	16	18	21	18	9	10	7	17	23	18	21	26	27	27	21	13	12	4	9	9	7	7	9	7	15	27
26	4	4	10	7	13	11	9	7	11	19	25	18	17	12	8	6	6	7	9	12	7	9	11	6	10	25
27	12	18	9	7	8	10	8	8	18	14	20	12	15	23	19	14	11	6	10	12	7	4	24	14	13	24
28	9	10	9	7	5	8	6	13	11	10	8	5	6	6	6	9	4	8	6	7	5	7	6	7	13	24
29	5	10	9	6	5	4	4	3	4	6	7	13	16	9	10	9	14	8	6	17	21	12	17	22	10	22
30	13	5	5	4	6	8	7	5	10	10	18	19	20	15	16	16	13	16	12	14	4	5	12	5	11	20
31	5	8	5	4	3	9	9	10	12	17	23	14	22	21	14	14	6	6	11	5	4	13	10	13	11	23
AV	10	10	10	9	9	9	9	9	10	12	16	15	15	15	14	12	10	8	9	11	10	11	12	10	11	11
SD	4	4	4	5	4	3	4	3	4	5	6	6	6	6	6	4	4	4	4	5	5	5	4	4	4	4

AC001 (2) JAN 81

SIGMA THETA (CC:20)

DEGREES
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT #139

HONANZA, UTAH

SITE 6

FEB, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	9	10	17	18	16	13	14	12	14	9	14	17	9	7	12	5	8	12	6	12	6	12	11	18	
2	9	12	10	15	12	12	12	9	6	7	11	11	12	12	17	23	13	11	7	9	11	11	10	9	11	
3	14	12	10	11	13	10	17	7	16	14	10	17	13	13	14	8	4	5	7	9	12	21	13	12	21	
4	10	13	9	9	12	14	15	9	22	13	20	23	14	10	5	7	8	8	11	13	11	11	8	12	23	
5	9	8	7	9	8	15	14	13	18	14	14	16	13	10	10	4	3	8	7	11	12	11	13	11	18	
6	10	18	14	12	13	18	12	8	6	14	18	14	11	16	14	7	5	4	4	11	15	8	10	13	11	
7	7	15	10	14	5	4	3	3	5	10	11	8	9	13	20	21	17	16	13	17	13	11	14	22	22	
8	17	10	14	7	7	7	6	4	6	13	12	10	10	7	6	9	12	9	7	9	5	4	9	6	9	
9	5	5	4	4	3	5	5	11	17	17	24	11	11	9	9	7	5	4	4	7	6	12	6	3	8	
10	4	10	6	18	10	8	11	6	13	16	24	25	24	13	10	7	5	4	5	6	7	12	4	4	11	
11	4	6	5	7	13	14	11	7	5	21	13	17	12	10	9	6	5	4	3	4	6	7	3	7	8	
12	4	11	7	6	6	5	11	8	12	14	12	8	10	11	9	6	4	3	6	17	14	13	11	11	9	
13	9	11	13	5	9	10	7	23	16	16	19	16	20	17	11	9	12	5	4	4	4	4	6	12	11	
14	21	9	5	6	12	8	10	21	18	16	15	17	12	11	12	8	4	4	7	14	12	13	9	16	12	
15	8	7	17	13	13	6	10	12	6	18	12	19	15	12	7	8	4	4	6	16	15	18	21	23	12	
16	14	13	25	17	19	16	15	10	13	8	25	26	21	26	19	17	10	7	12	13	15	12	14	15	16	
17	4	8	10	14	8	5	10	7	18	13	8	9	15	10	17	14	19	5	9	8	9	13	14	11	19	
18	12	17	15	8	8	13	14	10	12	16	11	8	10	9	7	7	6	9	7	12	8	7	4	6	10	
19	12	11	9	7	7	10	14	23	11	5	17	14	10	11	14	9	9	14	14	11	7	21	13	11	12	
20	8	3	12	7	7	14	9	13	13	9	13	11	10	10	12	8	8	8	11	14	5	8	4	3	9	
21	6	5	12	13	9	15	5	5	23	26	14	9	17	15	10	11	7	4	3	6	8	7	9	21	11	
22	11	17	12	7	3	4	3	5	11	11	11	12	10	14	15	10	12	7	7	9	8	10	9	11	10	
23	5	9	10	7	10	8	6	5	10	11	34	15	9	14	12	10	15	4	8	13	13	9	9	5	14	
24	11	8	8	10	5	8	6	5	12	21	18	24	27	16	21	17	32	27	10	10	12	7	9	5	19	
25	7	5	4	5	3	4	4	5	7	12	16	16	20	17	15	16	12	7	6	7	12	8	11	5	9	
26	5	3	7	4	7	9	5	10	9	26	18	13	16	18	23	18	8	6	10	8	10	4	4	11	26	
27	4	4	5	7	12	7	4	4	24	24	22	19	16	11	9	8	9	8	6	9	14	3	6	4	11	
28	3	4	5	4	3	7	8	8	7	18	13	13	9	10	13	25	12	14	9	8	7	8	5	5	9	
29	10	10	18	8	7	6	7	13	13	11	11	15	22	29	19	10	7	6	7	13	7	8	12	7	29	
AV	9	9	10	9	9	10	9	10	12	15	16	15	14	13	13	12	10	8	7	10	10	9	10	11	11	
SD	4	4	5	4	4	4	4	5	5	5	6	5	4	5	5	6	6	5	3	3	3	4	4	5	1	

WHITE RIVER SHALE PROJECT, #139
 HUNAN7A, UTAH
 SITE 6
 MAR, 1980
 AEROMONITORING INC.

SIGMA THETA (CC120)
 DEGREES
 LEVEL HEIGHT : 30 METERS

.....
 * FINAL DATA *
 * AS OF 03/JUN/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	10	7	9	13	8	5	6	6	7	12	11	12	13	17	24	21	13	16	6	6	7	11	4	4	10	24	
2	7	6	7	9	4	4	6	4	20	12	18	16	14	16	12	10	11	11	13	17	11	19	7	5	11	20	
3	5	11	9	5	11	11	12	11	11	10	34	23	11	9	9	9	10	9	19	19	8	26	15	11	13	30	
4	10	9	10	12	5	4	4	6	8	22	17	18	12	8	10	15	8	7	11	7	8	9	13	5	10	22	
5	5	7	10	3	5	14	15	22	10	18	18	11	11	11	9	9	8	11	8	10	10	10	8	10	22	22	
6	8	8	8	7	8	8	6	6	10	20	25	11	6	5	6	17	12	18	11	5	5	19	10	13	11	25	
7	11	11	10	9	11	21	8	15	8	20	17	12	9	11	11	17	14	13	7	6	6	9	13	5	11	21	
8	7	11	13	11	7	11	5	10	14	13	15	12	8	10	9	14	10	8	6	6	9	8	6	8	10	15	
9	7	3	8	6	5	6	9	11	11	16	10	15	9	10	10	10	10	10	7	11	7	5	6	8	9	16	
10	7	11	7	7	10	7	8	12	21	29	14	13	10	15	23	17	12	7	7	10	10	11	6	10	18	12	29
11	6	3	4	5	4	7	7	4	6	25	38	24	18	40	17	13	8	7	10	10	10	11	10	9	12	40	
12	6	7	7	9	7	8	8	8	7	10	8	7	8	9	8	8	7	6	8	13	9	9	12	6	8	13	
13	7	8	10	6	5	6	6	6	18	16	19	26	22	13	13	11	9	6	10	9	18	19	23	18	13	26	
14	13	7	11	5	5	6	4	5	12	16	17	15	12	8	15	14	9	11	10	11	8	7	9	22	11	22	
15	16	25	30	32	41	17	11	14	10	13	27	18	9	17	13	10	10	11	12	11	15	24	10	7	17	41	
16	7	9	8	9	10	11	15	13	12	13	9	10	9	8	9	12	11	7	6	6	9	16	25	8	11	25	
17	8	6	6	6	9	5	8	11	20	22	40	37	27	16	16	18	18	14	9	7	6	5	5	9	14	40	
18	11	5	5	7	22	12	10	15	21	19	19	14	13	14	12	12	12	7	6	5	11	6	3	9	11	22	
19	9	4	5	4	9	5	4	11	15	30	13	11	13	11	9	8	7	6	6	6	7	10	7	13	9	30	
20	14	7	6	6	4	6	5	7	17	46	31	21	30	31	18	14	22	11	15	7	6	9	6	8	14	46	
21	4	5	12	16	9	20	16	8	22	15	9	10	10	11	12	16	9	9	8	10	15	9	7	7	11	22	
22	11	12	13	10	11	6	9	9	5	11	17	11	14	10	11	8	10	9	8	7	13	7	22	17	11	22	
23	12	16	7	7	9	19	4	6	27	26	23	22	34	31	14	16	23	16	6	14	13	6	16	22	16	34	
24	11	5	5	6	13	9	15	15	26	40	38	12	10	12	11	8	12	9	6	10	5	1	1	3	12	40	
25	1	1	1	1	1	1	1	1	1	1	1	29	5	5	15	15	14	10	1	0	0	8	6	7	5	29	
26	6	11	6	7	5	3	4	7	9	20	23	38	40	24	23	23	21	9	6	5	4	8	7	5	13	40	
27	5	8	7	4	5	4	5	12	27	19	29	38	26	20	20	12	7	6	8	7	9	10	6	11	13	38	
28	8	12	8	4	4	5	8	11	5	15	16	7	6	7	7	10	7	8	9	8	6	8	16	21	13	38	
29	10	15	9	19	16	7	4	7	24	36	34	21	15	21	38	37	38	16	8	12	6	6	6	18	38		
30	7	12	24	17	17	9	6	10	12	8	7	11	9	7	8	7	8	11	10	11	9	8	10	7	10	24	
31	5	6	10	12	13	9	7	6	13	25	33	33	30	31	23	27	22	25	21	17	20	13	7	7	17	33	
AV	8	9	9	9	9	9	8	9	14	19	20	18	15	15	14	14	13	11	9	9	9	10	10	10	10	12	11
SD	3	5	5	6	7	5	4	4	7	9	10	9	9	9	7	6	7	6	8	4	4	6	6	5	3	11	1

SIGMA THETA (CC:PD)
 DEGREES
 LEVEL HEIGHT 1.30 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 APR, 1980
 AEROSOL ENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 03/JUN/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4	5	7	16	17	12	9	8	8	17	23	31	27	22	31	34	20	11	7	7	7	7	9	13	15	34	
2	14	18	8	5	5	6	7	7	10	8	8	8	9	11	11	11	8	9	6	7	8	13	7	7	9	18	
3	5	5	7	7	5	6	6	6	14	30	34	42	35	28	16	19	18	15	15	6	11	7	5	4	14	42	
4	15	23	8	7	8	15	5	6	22	25	20	22	24	21	20	17	11	12	7	4	4	6	6	7	13	28	
5	5	4	5	7	11	6	12	10	14	12	23	13	19	12	10	9	9	10	13	15	12	8	6	11	23		
6	9	10	10	9	8	6	7	10	13	11	16	10	8	7	7	7	7	7	6	9	14	6	7	10	9	16	
7	9	7	7	13	13	7	6	6	7	8	7	7	9	9	12	8	8	6	6	6	7	12	14	6	8	14	
8	5	5	4	3	5	11	4	26	35	22	28	27	23	13	12	16	29	31	10	6	4	9	25	10	15	35	
9	3	3	3	3	4	5	8	13	28	37	36	20	21	16	13	12	11	9	9	5	7	16	16	10	13	37	
10	17	7	17	14	13	14	9	11	9	9	12	9	12	8	11	7	7	7	10	6	9	7	8	6	10	17	
11	6	16	17	20	15	31	27	33	16	30	20	10	8	8	10	9	9	4	8	7	10	10	8	6	14	31	
12	8	8	5	11	5	6	5	33	40	48	29	23	21	17	17	14	9	4	7	7	8	9	6	3	14	48	
13	6	11	16	9	7	5	9	15	19	28	32	28	33	27	38	28	23	21	17	4	4	4	4	4	8	38	
14	4	4	4	7	4	3	5	10	17	28	30	22	24	29	27	23	18	20	10	5	12	5	3	5	14	30	
15	11	5	4	6	6	5	7	10	28	19	21	24	13	11	11	9	9	7	6	6	5	6	10	10	28		
16	11	7	8	5	6	18	10	11	27	33	35	38	27	21	23	20	16	14	13	6	13	5	4	4	16	38	
17	3	3	3	3	3	3	3	21	38	33	22	19	27	31	23	24	16	16	5	5	11	10	4	5	14	38	
18	7	6	3	3	4	5	3	24	38	21	16	18	32	24	29	15	11	8	6	11	14	8	5	15	38		
19	5	4	7	4	4	7	4	12	28	27	19	16	14	14	16	14	14	12	7	6	4	9	6	4	11	28	
20	6	6	3	4	4	4	10	21	20	27	22	15	16	14	13	13	10	9	4	5	5	5	7	7	11	28	
21	6	6	6	11	7	6	6	7	9	10	8	15	13	14	15	17	9	15	30	27	23	9	9	15	12	30	
22	17	6	6	11	13	14	5	8	18	27	13	14	10	9	9	9	9	8	6	6	19	8	7	17	11	27	
23	10	6	10	5	5	16	15	12	7	11	20	19	11	15	10	8	8	9	7	6	14	21	14	6	11	21	
24	6	6	5	5	6	6	7	11	13	11	12	16	13	10	11	12	9	7	6	5	7	8	9	31	10	31	
25	14	26	11	27	13	17	19	8	13	34	30	29	38	21	24	12	9	9	8	7	7	6	5	10	17	38	
26	11	16	21	9	5	7	8	13	25	32	19	32	34	41	45	40	22	13	9	6	7	5	5	7	10	45	
27	6	8	6	4	4	3	6	15	17	29	39	32	36	39	22	23	21	22	9	5	12	18	21	9	17	34	
28	6	4	4	5	6	8	10	19	22	28	36	25	15	19	11	11	11	11	9	5	6	6	10	9	12	36	
29	5	4	4	7	11	18	21	31	20	16	23	25	11	11	14	13	16	12	8	6	6	11	18	13	31		
30	4	5	5	4	4	14	8	17	34	32	21	20	14	14	14	16	10	12	17	8	8	8	9	9	13	34	
AV	8	8	8	8	7	10	9	14	20	24	23	21	20	14	17	16	14	12	10	7	9	9	9	9	9	13	1
SD	4	6	5	5	4	6	5	7	9	10	4	4	4	4	4	4	7	5	5	4	4	4	5	5	5	3	1

SIGMA META (CC1201

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
GONANZA, UTAH
SITE 6

MAY, 1980

AERUVIRONMENT INC.

* FINAL DATA *
* AS OF 03/JUN/81 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6	7	7	4	5	7	16	10	9	10	11	13	21	24	21	12	6	10	17	8	23	5	4	8	11	24	
2	6	5	5	6	4	12	15	30	22	23	30	21	11	13	12	13	12	14	13	13	6	11	6	6	6	14	
3	6	5	4	9	6	4	5	7	20	21	24	24	22	20	17	14	34	16	14	9	6	4	9	6	14	34	
4	18	13	13	7	4	4	4	4	26	36	20	46	31	21	13	10	13	11	9	8	9	17	7	13	15	46	
5	9	16	7	11	5	6	6	10	31	24	18	31	25	21	13	9	9	13	6	4	6	4	6	7	6	13	
6	4	4	4	4	4	4	6	9	34	25	22	24	34	15	10	6	4	7	7	7	7	5	10	17	12	31	
7	17	4	4	4	6	7	10	14	24	23	11	8	8	8	10	13	9	9	11	8	7	11	13	8	10	24	
8	4	7	9	9	5	5	4	5	12	17	24	17	16	22	25	23	27	9	9	8	8	4	4	7	11	12	27
9	13	8	12	12	6	6	11	13	24	18	11	9	10	10	10	9	10	7	8	10	6	6	12	13	11	28	
10	14	9	10	10	14	10	23	12	22	17	11	15	11	10	10	9	9	10	7	7	9	4	20	8	12	23	
11	10	18	8	13	4	6	7	16	29	32	24	16	13	11	10	9	10	10	11	8	7	15	8	24	14	32	
12	13	4	23	34	33	11	11	10	11	10	10	10	11	13	13	14	10	4	10	7	10	9	8	12	13	34	
13	9	16	11	6	5	5	10	9	13	19	24	15	21	21	21	35	12	7	8	5	3	5	6	6	12	35	
14	5	6	5	4	2	3	7	19	25	25	23	29	26	36	10	4	4	7	7	8	9	15	9	9	13	36	
15	4	5	5	6	5	4	12	21	22	23	36	32	24	15	12	21	17	15	19	9	12	11	4	6	14	36	
16	8	8	5	4	7	4	6	20	39	24	24	27	10	15	11	10	10	9	9	7	10	7	16	17	14	39	
17	4	6	11	10	9	8	11	4	4	18	29	31	21	21	34	42	14	13	10	5	10	6	6	10	15	42	
18	5	4	3	4	3	4	6	20	30	30	26	24	22	22	35	27	26	40	14	6	6	12	5	4	16	40	
19	5	6	5	4	4	6	7	17	25	19	20	21	20	22	22	24	17	14	15	6	9	14	4	4	13	25	
20	4	4	4	3	3	4	5	12	29	24	23	33	24	36	33	22	15	10	10	5	6	13	6	6	14	36	
21	4	4	3	4	4	4	3	7	12	25	24	30	27	20	26	37	20	36	29	7	13	5	5	6	14	37	
22	4	3	7	9	7	5	7	23	13	22	27	10	14	14	11	9	10	11	9	11	14	24	22	9	13	27	
23	9	26	16	9	4	11	11	10	12	10	10	11	11	11	12	10	9	9	9	7	6	4	10	4	11	26	
24	9	9	10	11	10	10	11	10	10	10	10	10	11	10	11	10	10	10	8	9	10	9	9	8	10	11	
25	9	7	9	9	20	9	8	11	10	10	11	11	11	12	14	11	9	8	7	14	6	5	7	5	10	20	
26	3	8	4	7	4	7	13	14	21	31	33	26	15	15	15	24	12	12	18	12	7	9	12	5	13	33	
27	5	5	5	4	11	11	16	30	24	14	10	11	12	11	12	12	13	12	9	4	6	4	4	4	11	30	
28	6	12	12	4	7	8	14	40	20	10	12	14	15	12	12	12	10	10	10	9	6	11	9	7	12	40	
29	8	8	9	17	10	4	9	4	14	23	15	15	11	11	12	11	13	10	10	7	9	4	4	7	15	11	23
30	11	15	8	4	6	5	7	27	30	33	23	23	26	16	11	13	12	11	9	4	5	4	4	6	14	33	
31	5	16	4	6	4	8	11	4	16	22	37	16	15	23	16	11	10	4	17	11	7	4	5	24	13	37	
AV	4	9	8	4	4	7	9	15	21	21	21	19	17	16	16	14	13	12	11	4	4	9	9	9	13	11	
SD	4	5	4	6	6	3	4	4	9	7	4	7	7	7	7	9	7	7	5	2	4	4	4	4	5	2	11

SIGMA META ICCT201
 DEGRFES
 LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #159
 BOGANZA, UTAH
 SITE 6
 JUN, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 03/JUN/81 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	14	5	5	4	6	5	11	22	16	21	21	11	11	15	17	13	16	19	14	8	7	11	6	6	12	22	
2	5	5	8	15	13	14	17	14	27	11	15	16	13	14	13	12	12	10	9	8	7	4	5	5	11	27	
3	3	4	3	3	3	5	9	9	9	11	11	11	11	11	11	10	12	11	10	8	6	6	4	4	4	8	
4	5	4	6	6	6	3	23	33	15	10	17	12	13	12	13	12	11	11	11	9	8	7	7	6	10	33	
5	5	4	5	6	5	7	18	33	15	17	12	13	12	14	13	12	11	11	11	8	8	7	8	9	11	33	
6	12	19	13	4	9	27	10	11	11	11	11	12	14	13	13	9	8	8	8	8	8	7	7	8	11	27	
7	14	10	9	7	5	9	19	10	28	28	30	28	25	20	26	29	17	23	9	5	6	11	7	4	16	30	
8	4	5	5	3	3	3	6	26	26	22	31	27	30	25	26	24	13	10	8	5	6	8	14	8	14	31	
9	6	5	5	5	5	4	9	29	25	22	22	34	22	24	19	16	31	16	13	6	6	6	10	6	15	34	
10	7	8	10	5	4	3	8	26	27	20	22	24	20	17	13	14	14	12	12	8	7	4	15	21	13	27	
11	18	13	24	26	7	4	13	26	17	19	13	10	13	12	12	12	13	13	11	8	8	7	7	7	13	24	
12	7	23	15	15	5	6	7	13	12	13	11	14	13	14	12	12	12	12	10	10	7	8	14	13	12	23	
13	4	5	4	5	4	3	7	28	14	22	16	12	12	13	13	14	12	11	10	9	8	8	9	10	11	28	
14	18	9	12	9	10	5	15	35	19	17	15	11	12	13	11	11	12	13	9	7	7	7	7	8	12	35	
15	9	10	9	9	19	18	8	17	39	21	17	12	19	20	12	10	11	10	8	7	7	7	12	12	30	39	
16	10	12	11	11	5	5	9	10	19	34	23	19	19	21	23	14	17	15	8	5	12	7	5	5	14	38	
17	3	3	5	3	3	4	8	27	28	19	31	29	30	26	25	14	11	10	11	6	5	6	6	5	13	31	
18	6	7	5	3	3	4	8	26	29	17	16	12	16	29	29	19	14	11	7	9	12	9	17	8	13	29	
19	7	8	13	6	6	7	16	18	12	37	26	17	12	9	9	10	12	10	9	13	8	6	6	6	12	37	
20	6	6	7	4	4	4	6	35	30	23	23	21	17	28	19	15	13	13	9	8	8	5	5	10	14	35	
21	10	8	5	4	5	4	6	23	15	12	13	20	23	17	14	14	10	8	7	6	6	7	16	6	11	23	
22	6	5	5	5	6	4	9	21	20	24	20	28	16	29	19	14	15	14	12	9	7	3	5	5	14	29	
23	4	8	6	8	8	7	7	9	10	9	10	10	11	13	12	11	12	11	10	9	7	9	12	13	9	13	
24	5	4	4	3	5	6	6	22	14	17	25	16	13	13	12	12	12	10	12	8	7	5	3	4	10	25	
25	8	17	8	18	1	4	10	17	25	22	20	13	11	13	14	12	11	10	9	9	6	6	6	6	6	12	25
26	8	8	8	8	9	6	3	13	17	12	11	13	13	14	13	13	14	12	9	8	8	8	8	8	8	11	21
27	10	7	6	9	8	9	6	18	15	15	19	26	11	10	10	9	9	7	7	6	6	8	8	8	10	26	
28	9	6	5	4	3	3	4	16	10	30	32	27	20	18	15	21	16	19	23	11	10	5	27	9	15	36	
29	4	4	4	4	5	6	6	15	16	16	16	14	10	13	16	13	10	7	7	8	18	8	8	8	8	10	18
30	9	8	15	16	17	13	16	21	14	10	10	8	10	20	18	12	18	10	7	3	8	17	14	13	13	21	
AV	8	8	8	8	6	7	10	20	18	18	19	18	16	17	16	14	13	12	10	8	8	7	10	9	12	11	
SD	4	5	4	5	4	5	4	8	8	7	7	6	6	5	5	4	4	3	3	2	3	3	6	6	6	21	

STIGMA THETA (CC120)

DEGREES
LEVEL HEIGHT ± 30 METERS

WHITE RIVER SHALE PROJECT, #139
MORGANZA, UTAH
SITE 6
JUL, 1980
AEROGLOBE, INC.

.....
* FINAL DATA *
* AS OF 05/JUN/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	6	4	18	15	7	7	10	19	17	9	17	28	21	13	7	12	10	7	7	8	9	7	7	12	24
2	8	14	12	5	8	6	9	11	15	19	26	22	22	10	19	23	13	25	16	8	7	8	9	5	6	13
3	6	6	8	13	19	13	13	20	22	13	15	19	19	26	21	25	12	15	15	8	7	12	14	17	15	26
4	10	14	13	8	8	10	9	18	25	43	18	22	17	12	18	34	29	17	22	4	4	5	7	6	16	43
5	8	22	14	8	5	5	5	12	30	14	14	14	18	14	13	10	10	10	9	8	4	4	5	7	12	11
6	12	8	4	4	3	3	9	25	29	18	17	30	26	21	13	12	12	10	9	9	8	8	7	6	13	30
7	7	8	5	5	7	5	9	12	20	33	25	36	13	10	9	9	9	8	8	9	6	10	13	11	12	36
8	9	7	9	13	13	17	11	16	14	13	12	11	14	18	15	12	9	8	7	14	7	6	7	6	11	18
9	7	4	5	4	3	4	8	20	17	22	20	21	18	24	39	26	29	21	12	12	10	5	22	9	15	39
10	6	4	5	5	4	4	5	24	26	27	30	22	20	16	13	13	12	8	13	10	19	27	12	7	14	30
11	5	3	4	4	5	6	7	18	23	18	20	16	19	19	17	8	12	15	10	5	26	25	7	6	12	26
12	4	10	5	4	8	22	16	17	10	10	12	10	15	11	10	12	9	8	9	9	6	7	9	7	10	22
13	18	14	15	9	18	9	8	16	23	11	15	24	15	16	8	9	7	10	8	7	5	12	6	7	12	24
14	19	8	5	6	10	14	11	24	20	13	15	19	17	14	13	11	10	13	9	10	7	15	12	11	13	24
15	7	5	4	9	12	5	5	33	39	22	20	10	17	14	13	12	9	8	6	7	6	7	10	9	12	49
16	7	6	4	3	4	5	8	17	18	15	18	29	19	14	20	24	14	21	15	8	9	9	4	8	12	29
17	6	6	3	3	3	5	7	27	27	17	14	11	16	13	24	24	11	9	7	7	6	9	4	12	11	27
18	16	16	23	26	16	10	10	9	26	47	34	22	15	12	17	15	12	13	11	7	7	4	5	20	13	47
19	14	16	19	8	15	17	11	15	13	13	13	12	11	15	13	10	9	7	7	7	7	5	7	17	12	19
20	12	5	6	6	6	9	13	20	12	25	24	25	22	18	13	14	18	12	7	7	8	13	17	7	14	25
21	5	5	6	5	5	5	17	18	8	15	23	24	22	22	14	11	11	9	7	7	7	6	7	7	11	24
22	6	5	6	5	12	7	7	24	28	20	20	15	10	12	12	10	8	8	7	7	8	8	9	9	11	28
23	16	15	10	13	8	8	7	17	30	42	37	19	24	25	14	9	9	4	9	8	6	5	10	14	15	42
24	4	3	5	3	4	3	5	11	19	14	32	22	21	18	10	10	16	13	8	8	7	8	15	5	11	32
25	5	4	4	4	4	4	9	13	22	21	18	17	22	15	17	16	22	15	10	5	5	7	6	6	11	22
26	8	9	7	7	9	4	5	10	24	15	25	34	14	12	12	10	9	12	7	12	7	14	10	6	14	39
27	5	6	6	4	3	5	8	21	35	27	29	30	33	29	25	25	13	12	14	12	9	8	8	8	14	35
28	7	4	4	4	3	7	8	22	16	18	21	30	27	23	14	15	16	14	8	14	7	14	7	7	13	30
29	4	5	3	4	4	7	11	18	17	20	17	14	11	9	10	8	8	12	25	21	12	8	7	8	12	25
30	10	16	14	5	5	4	12	19	32	27	29	17	17	16	15	13	10	11	11	22	23	17	6	7	15	32
31	6	5	7	6	6	4	6	11	24	26	25	26	26	26	24	21	8	7	7	8	7	9	8	5	14	24
AV	9	8	8	7	8	8	9	18	22	21	21	19	17	16	15	13	12	10	9	9	10	9	9	9	13	11
SD	4	5	3	5	5	5	3	5	7	9	7	5	6	6	7	5	5	5	3	4	6	5	4	3	2	11

SIGMA THETA 100:201

DEGREES

LEVEL HEIGHT : 30 METERS

WHITE RIVER SMALL PROJECT, #139
HONANZA, UTAH
SITE 6

AUG, 1980

AERONAVIGATION INC.

.....
* FINAL DATA *
* AS OF 03/JUN/81 *
*

CLUCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6	5	4	4	5	5	7	20	16	17	33	18	18	16	16	12	9	9	17	7	7	17	13	4	12	33	
2	3	4	13	4	4	5	4	10	20	20	22	22	16	14	13	16	17	9	8	7	7	10	13	5	11	22	
3	4	5	5	7	4	7	21	29	29	25	17	16	10	12	9	8	8	4	8	8	8	10	10	5	12	29	
4	10	13	20	7	8	13	6	16	24	14	14	15	14	15	14	16	13	9	6	6	7	9	6	5	12	29	
5	5	5	5	6	4	4	5	15	27	17	14	11	12	15	27	31	14	10	10	8	6	3	8	15	12	31	
6	17	32	10	7	5	12	11	26	34	11	11	15	23	14	13	14	15	15	10	7	5	3	4	9	14	38	
7	12	5	4	8	5	3	4	20	16	17	14	19	20	20	28	25	18	23	13	10	8	5	8	8	14	38	
8	6	5	11	9	5	5	4	11	16	20	17	26	17	14	14	13	11	14	11	10	14	13	16	25	13	26	
9	15	9	10	7	12	14	10	12	12	13	10	15	20	20	16	10	9	9	7	5	10	16	8	11	12	20	
10	7	6	5	7	7	5	6	14	32	34	33	24	14	11	10	10	10	9	7	7	6	8	10	5	12	40	
11	5	10	5	5	4	4	5	13	19	17	24	21	16	19	19	19	20	27	15	5	9	10	5	6	13	27	
12	6	6	5	8	14	13	7	17	20	22	13	13	9	9	27	23	14	15	7	5	12	9	8	15	12	27	
13	18	8	7	21	26	11	6	17	25	34	21	26	19	23	13	13	11	8	14	15	14	8	11	11	14	40	
14	10	9	8	19	15	11	5	8	31	20	21	19	20	20	19	13	13	10	11	7	14	9	8	22	14	41	
15	20	11	16	18	11	8	8	19	17	27	14	9	13	9	10	8	7	8	15	7	6	20	7	7	12	27	
16	5	5	5	5	6	7	5	8	20	19	13	17	13	24	17	11	11	12	9	5	5	8	18	12	11	20	
17	7	14	6	5	6	5	3	9	33	33	30	20	24	26	15	18	17	25	15	7	10	5	6	6	14	33	
18	9	12	15	10	24	11	17	18	15	18	15	13	12	12	12	12	12	10	10	9	8	6	6	6	12	20	
19	6	8	6	7	8	7	6	10	10	11	10	10	11	7	8	9	16	8	8	10	9	7	8	8	8	16	4
20	22	16	6	5	6	5	6	8	22	15	21	19	16	24	22	27	40	19	18	7	15	6	9	6	6	15	40
21	3	4	5	3	3	3	3	11	34	18	19	20	29	22	19	17	15	22	10	9	13	5	4	7	13	38	
22	4	5	5	3	3	4	5	23	40	44	27	39	26	15	12	11	10	11	8	5	2	9	9	17	14	44	
23	7	13	24	21	10	16	0	14	41	15	9	4	10	8	8	12	21	17	7	14	9	9	9	8	13	31	
24	10	17	9	10	14	14	7	17	19	23	15	17	12	18	15	11	16	10	8	10	15	10	7	7	13	23	
25	14	7	4	6	7	9	6	17	18	23	26	12	9	16	10	9	13	11	12	8	5	8	5	5	11	26	
26	8	6	5	4	3	4	6	9	17	37	52	48	31	32	23	16	7	8	7	14	9	10	9	5	16	52	
27	5	4	3	4	4	4	4	11	24	24	20	24	19	27	12	12	12	12	14	11	14	9	17	24	14	29	
28	10	8	14	14	14	12	9	7	11	27	23	14	12	11	11	11	11	10	9	8	8	8	8	7	12	27	
29	7	8	8	9	10	13	20	26	17	14	12	14	17	12	11	11	10	9	8	6	4	20	88	30	15	40	
30	24	23	24	5	16	13	8	8	12	22	31	37	21	18	16	10	8	8	7	9	13	11	9	14	15	37	
31	4	5	5	4	5	4	5	6	27	19	32	24	22	14	13	9	11	9	7	5	6	7	16	7	11	32	
AV	10	9	9	8	9	8	7	14	22	22	21	20	17	17	16	14	13	13	10	8	9	10	11	11	13	1	
SD	6	6	6	5	6	6	6	6	6	6	6	5	5	6	6	6	6	5	5	4	4	4	4	4	4	7	1

SIGMA THETA ICC1201

DEGREES
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, M139
HONANZA, UTAH
SITE 6

SEP, 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 13/JUN/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	IFAK	
1	6	7	5	5	6	4	4	10	23	22	31	33	21	16	23	37	27	20	10	6	12	16	4	3	15	37	
2	3	6	4	4	6	3	5	12	30	19	19	12	12	13	10	12	10	9	5	5	9	22	15	6	15	30	
3	21	35	42	18	18	7	4	19	33	15	24	20	16	19	14	9	9	7	6	13	9	5	6	6	15	42	
4	4	6	4	4	4	2	3	5	31	26	34	30	23	16	14	18	16	15	7	12	6	4	4	4	13	38	
5	7	4	4	4	5	3	3	5	37	18	22	26	27	23	20	16	16	14	5	7	13	6	7	6	12	37	
6	6	16	9	8	3	4	7	10	33	16	12	17	14	22	17	7	8	7	4	7	6	6	6	6	6	10	33
7	5	7	13	9	16	8	5	9	14	8	8	21	18	22	14	27	13	12	6	5	4	4	4	5	11	27	
8	7	13	11	6	6	7	8	7	8	9	12	12	24	28	26	17	11	6	7	7	7	5	11	6	11	28	
9	5	5	7	10	16	27	14	10	12	10	7	7	9	6	5	11	10	5	5	5	5	4	4	4	5	9	27
10	4	5	5	3	5	6	5	15	15	21	9	9	18	19	9	21	13	11	10	8	6	10	13	8	10	21	
11	5	6	6	6	7	9	6	25	14	16	11	11	10	11	10	11	9	8	6	11	6	6	6	6	9	25	
12	6	5	6	6	6	5	4	7	14	13	16	25	19	23	16	12	6	11	10	8	6	7	8	7	11	25	
13	8	5	6	10	7	4	4	8	27	23	24	28	12	11	10	10	10	8	5	3	4	4	4	4	4	10	28
14	4	5	4	5	5	7	5	5	12	18	13	15	8	10	12	10	11	10	7	6	8	7	5	5	8	18	
15	4	3	5	3	4	5	4	10	21	20	19	14	14	11	11	10	12	10	7	7	11	11	9	11	10	21	
16	19	8	6	10	10	5	5	10	19	37	10	8	7	8	8	8	8	7	7	7	7	13	13	10	11	37	
17	6	5	5	7	11	7	6	9	18	32	18	17	12	12	13	13	19	8	7	13	7	5	6	6	11	32	
18	5	5	3	5	5	5	4	7	25	30	21	17	14	11	16	10	11	10	8	7	9	9	9	7	11	37	
19	6	6	7	7	7	7	6	8	9	9	11	11	10	11	11	9	8	18	9	9	10	10	10	13	10	18	
20	7	8	7	14	6	4	5	9	20	15	19	16	25	23	24	15	12	16	7	7	5	6	5	5	12	25	
21	6	4	6	15	8	18	10	26	36	24	9	10	9	9	8	11	14	7	6	7	19	11	19	11	13	16	
22	20	13	27	10	7	13	10	14	20	23	17	28	32	30	20	18	20	12	5	7	9	4	4	4	15	32	
23	3	3	5	5	4	5	8	6	20	19	20	29	18	14	20	26	15	8	4	12	6	6	17	8	12	29	
24	4	4	5	6	6	5	5	10	20	35	19	10	8	6	11	20	22	19	7	12	6	4	4	4	11	35	
25	5	4	4	23	11	6	7	16	22	16	18	13	19	25	11	13	10	6	11	5	3	3	3	3	11	25	
26	4	3	3	2	3	4	3	5	30	32	21	18	16	21	13	15	12	8	5	13	3	6	6	6	11	32	
27	4	3	2	3	3	5	17	15	30	21	22	26	17	18	16	22	12	9	5	12	5	5	3	3	12	30	
28	2	3	3	3	3	6	8	5	10	29	43	20	21	13	19	15	9	9	5	4	4	4	4	4	12	43	
29	4	4	5	3	5	6	5	7	13	35	26	16	13	21	20	18	11	6	6	12	5	7	5	11	15	15	
30	3	4	5	4	7	4	4	7	14	24	17	24	22	19	16	12	11	8	4	11	8	5	6	4	10	24	
AV	6	7	8	7	7	7	6	11	22	22	17	19	16	17	15	15	13	11	8	8	7	7	7	7	11	11	
SD	5	6	8	5	4	5	3	5	8	9	6	8	7	6	5	7	4	4	3	3	3	4	4	4	4	2	11

SIGMA TETA [CC120]

DEGREES
LEVEL HEIGHT + 50 METERS

WHITE RIVER SHALE PROJECT, #139

HURANZA, UTAH

SITE 6

OCT, 1980

AERVIROMENT INC.

.....
* FINAL DATA
* AS OF 03/JUN/81
*

CLICK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4	5	6	8	6	4	9	12	27	34	16	16	22	24	25	17	20	9	12	19	37	36	31	16	17	37	
2	15	9	19	38	18	12	14	7	7	10	17	14	16	21	44	44	27	19	6	11	4	4	3	4	4	14	48
3	5	13	5	6	4	11	9	6	19	30	30	22	30	37	26	20	23	16	5	4	5	7	3	4	4	17	37
4	5	4	4	4	6	9	7	4	22	37	24	23	19	21	17	13	15	8	5	4	3	4	4	4	4	11	37
5	4	6	6	4	4	6	5	8	24	42	21	17	27	22	17	14	12	9	7	5	9	8	5	4	4	12	42
6	6	4	3	4	3	2	3	5	13	47	22	23	19	16	13	14	10	5	9	5	3	3	3	4	4	10	47
7	3	3	4	5	3	3	3	4	16	30	29	22	24	23	15	14	13	7	7	8	9	4	4	4	4	11	30
8	3	4	4	4	3	6	5	5	26	33	24	29	20	14	22	30	33	14	4	4	4	4	4	4	4	13	33
9	4	3	5	7	9	6	5	4	14	22	19	19	26	22	17	13	10	7	8	9	18	18	6	5	4	12	26
10	5	7	14	18	12	36	17	16	32	27	11	12	19	28	39	15	24	4	7	9	9	9	5	3	3	16	39
11	3	3	4	3	3	4	6	4	16	40	44	23	13	10	21	32	23	9	6	15	9	15	23	18	14	44	
12	24	8	8	5	5	5	11	19	12	14	10	12	10	8	9	10	9	7	10	14	20	9	9	13	11	24	
13	7	5	5	8	5	15	7	10	9	14	14	16	13	17	14	15	8	4	7	7	14	13	15	10	11	14	
14	6	3	4	7	6	8	16	13	27	22	14	18	14	12	10	4	10	13	7	8	14	7	11	8	11	27	
15	9	11	11	28	25	10	11	31	14	11	9	9	9	9	4	4	10	8	8	10	10	6	6	6	6	12	31
16	7	6	13	15	7	4	6	7	4	7	7	10	9	19	23	12	20	10	8	9	11	9	10	8	10	23	
17	7	7	4	13	5	4	7	7	13	16	16	9	10	12	7	4	9	14	7	6	9	11	8	13	9	16	
18	5	4	4	9	4	5	7	6	10	10	34	34	22	21	39	26	26	21	18	13	7	9	5	4	4	14	39
19	5	6	9	4	4	5	4	4	17	26	16	22	20	14	11	16	11	5	6	12	5	4	4	5	4	10	26
20	4	4	3	3	4	7	3	3	11	35	24	22	20	17	21	26	33	14	8	14	5	5	4	5	5	12	35
21	4	4	4	3	5	5	6	19	5	10	41	25	21	22	17	25	17	14	11	12	6	16	10	7	11	13	41
22	4	3	7	6	5	4	4	5	21	27	10	9	4	4	6	7	6	6	6	7	4	10	14	23	9	27	
23	10	21	5	14	38	11	17	23	15	12	12	21	30	32	34	29	16	11	4	13	5	3	3	3	3	16	34
24	4	3	3	4	3	7	6	8	17	42	30	36	24	20	16	16	9	4	5	6	4	4	3	5	5	12	42
25	3	3	3	4	4	4	3	7	20	34	18	13	17	12	10	13	13	16	11	9	5	4	6	5	5	10	34
26	7	10	6	4	4	7	16	12	19	32	31	20	16	9	5	6	15	7	5	9	5	4	4	7	11	32	
27	6	4	3	4	5	10	19	6	14	11	9	10	10	12	11	9	9	10	10	10	9	12	13	11	10	19	
28	7	17	19	15	17	17	17	13	14	32	26	23	35	34	27	24	23	7	14	7	4	6	4	3	3	17	35
29	4	4	6	10	7	4	4	6	4	24	14	19	14	16	21	14	12	6	13	4	4	4	4	4	4	11	24
30	4	4	6	7	7	4	5	5	23	26	20	17	17	25	40	22	19	4	14	7	4	3	4	4	4	12	40
31	4	4	15	10	4	4	5	5	17	37	23	20	17	15	17	12	7	4	9	4	4	4	4	4	5	11	37
AV	5	6	7	4	4	4	9	9	17	27	20	19	19	14	20	17	16	10	4	4	4	4	4	4	4	12	11
SD	4	4	5	4	7	6	5	6	6	11	4	7	7	7	10	4	4	4	4	4	7	6	6	5	5	2	1

SIGMA THETA (CC:20)

DEGREES
LEVEL HEIGHT ± 30 METERS

WHITE RIVER SHALE PROJECT, #139
MUNANZA, DIAM
SITE 6

NOV, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA
* AS OF 03/JUN/81
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3	3	4	3	3	6	7	4	15	17	26	24	25	19	35	29	5	11	14	6	5	5	4	6	12	35	
2	6	4	3	5	6	15	15	15	11	21	25	35	19	22	24	10	6	6	10	5	7	8	4	4	12	35	
3	9	20	5	4	9	8	11	14	13	28	34	35	24	21	23	14	18	6	7	10	6	8	5	4	14	34	
4	4	5	4	5	10	8	9	9	13	34	23	17	16	16	18	14	12	8	9	15	6	6	4	3	11	35	
5	3	3	3	4	6	7	8	6	5	25	33	19	21	17	14	12	9	4	10	4	4	4	4	3	10	33	
6	3	3	3	4	7	8	4	11	27	29	20	18	15	24	17	7	10	13	10	8	7	5	8	11	29	43	
7	8	16	12	7	4	5	5	7	12	43	36	22	29	20	13	10	9	8	7	7	7	25	25	30	15	43	
8	17	7	9	10	14	14	12	9	9	9	8	8	7	8	7	7	7	7	10	5	5	5	5	5	9	17	
9	7	4	5	8	4	8	4	18	40	29	17	14	14	14	27	17	23	29	33	21	12	12	9	7	15	40	
10	9	12	8	13	8	7	16	12	16	40	30	20	13	13	17	28	10	17	8	4	4	3	4	5	13	40	
11	8	9	15	10	12	8	19	6	15	25	20	31	12	14	26	19	14	17	12	4	6	6	22	15	19	31	
12	21	15	13	5	5	6	9	6	15	16	15	9	10	11	10	9	8	6	8	14	10	7	11	16	11	21	
13	18	12	18	14	7	6	7	8	6	5	6	6	10	8	9	9	8	6	9	8	7	7	7	7	7	18	
14	6	9	9	14	7	8	6	7	8	8	24	20	15	18	15	34	24	6	8	8	7	7	7	7	7	18	
15	5	6	6	4	3	4	5	4	7	22	18	16	16	25	15	13	9	7	7	8	7	9	9	13	10	25	
16	28	23	16	14	28	12	11	11	8	13	20	14	24	19	27	17	9	5	7	8	15	21	31	23	17	31	
17	15	19	7	6	5	5	6	5	7	14	37	26	24	22	22	19	20	6	6	11	4	3	3	3	3	37	
18	4	4	5	4	4	7	10	4	6	33	28	18	19	13	12	15	9	5	12	4	3	4	4	4	10	33	
19	3	4	4	4	6	4	6	6	11	29	26	21	22	27	27	18	10	5	9	12	6	4	4	5	12	29	
20	8	7	8	5	7	9	8	9	5	17	18	17	19	15	14	12	6	5	11	7	5	3	5	4	9	19	
21	4	5	6	7	5	7	12	9	7	26	30	26	20	20	13	10	5	4	5	6	6	4	4	4	11	30	
22	5	7	22	13	16	9	15	8	12	18	26	22	19	17	15	19	9	5	6	8	5	6	6	4	12	26	
23	3	5	4	4	5	4	3	3	4	21	14	12	16	11	9	8	4	5	13	10	10	11	4	4	4	21	
24	23	5	6	7	4	5	5	5	3	3	4	8	7	13	13	10	10	13	13	17	18	19	22	21	11	23	
25	17	10	9	14	9	12	11	10	10	19	12	17	14	17	16	6	10	7	4	7	7	7	7	7	14	19	
26	12	16	7	9	7	11	5	4	7	13	33	15	12	13	12	15	11	6	5	4	7	8	5	4	10	33	
27	6	9	5	4	10	5	11	14	7	26	23	16	11	10	28	22	8	4	3	6	14	5	4	8	11	28	
28	14	4	7	5	17	27	10	34	23	26	18	9	9	11	15	11	7	7	21	12	7	12	8	5	13	34	
29	6	18	9	9	9	6	10	18	11	13	29	13	12	23	26	14	13	12	26	19	14	17	20	20	15	29	
30	14	10	21	14	15	11	23	18	14	15	23	23	6	9	27	18	15	9	8	30	43	14	10	6	17	43	
AV	10	9	8	8	8	9	10	9	10	22	23	19	16	16	18	15	11	8	10	10	9	9	9	9	9	12	1
SD	7	6	5	4	5	4	4	6	5	10	9	7	6	5	7	6	5	5	6	6	7	6	7	7	7	1	1

SIGMA TETA [CC:200]

DEBITS
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
DUNAWZA, UTAH

SITE 6

DEC, 1980

AGROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 03/JUN/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	5	4	6	15	19	13	12	7	33	11	11	7	7	10	11	13	7	6	13	6	4	3	3	7	10	35	
2	4	15	6	16	9	11	14	11	15	21	20	10	18	26	18	7	18	18	9	9	14	10	18	15	19	26	
3	12	6	7	7	16	12	12	14	17	13	11	28	38	28	11	8	10	8	9	9	7	9	10	18	13	38	
4	27	14	14	15	18	22	28	10	10	14	10	11	10	10	9	10	10	10	9	10	9	7	7	7	13	28	
5	7	9	8	20	30	24	13	9	12	7	15	8	12	19	18	18	8	7	5	6	5	16	9	15	13	30	
6	9	17	18	16	7	5	19	9	5	5	26	26	15	20	14	12	11	9	7	13	18	10	5	9	12	26	
7	15	7	14	15	12	8	7	5	16	22	23	9	4	9	9	28	14	10	7	9	9	10	5	9	10	12	28
8	8	9	9	16	18	13	9	9	13	32	36	23	27	10	11	10	5	6	8	6	6	6	11	7	13	36	
9	6	6	7	7	15	17	18	11	6	10	11	11	11	16	19	19	18	5	5	6	6	8	5	5	10	19	
10	6	4	5	5	5	4	5	5	8	37	29	31	37	16	11	20	6	15	21	7	4	6	8	5	13	37	
11	5	8	13	12	6	17	9	6	5	24	23	17	14	10	14	9	5	7	13	5	4	4	3	3	10	24	
12	5	8	5	5	5	10	5	3	8	31	36	22	27	18	13	7	5	4	15	7	4	4	4	5	4	11	36
13	4	4	5	5	5	6	6	7	4	14	31	20	21	19	22	17	8	5	12	4	3	4	3	4	10	31	
14	5	4	6	4	7	8	7	10	10	22	31	24	27	23	17	8	5	8	6	5	5	7	9	8	11	31	
15	7	6	18	23	11	15	15	13	10	29	21	29	10	13	32	22	12	14	6	14	6	5	7	9	8	14	32
16	6	8	5	11	15	7	7	12	4	18	25	27	21	13	7	6	3	5	13	6	3	5	3	3	10	27	
17	7	5	4	8	18	13	4	8	6	19	14	17	19	16	12	7	3	3	15	10	8	5	5	6	14	19	
18	6	4	20	17	10	6	17	13	15	25	29	31	21	10	6	5	3	2	6	4	4	9	5	4	11	31	
19	4	4	6	5	5	5	4	3	3	13	22	23	25	29	23	10	4	7	11	8	5	3	4	4	10	29	
20	3	4	5	4	4	4	4	4	10	9	23	23	44	14	30	11	8	8	9	4	4	4	4	4	11	44	
21	3	3	6	4	12	5	12	9	6	22	24	23	19	22	34	21	7	7	19	10	17	21	13	12	14	30	
22	16	14	14	10	6	20	16	21	21	7	9	10	12	22	16	12	9	7	15	19	24	14	13	7	15	32	
23	11	13	12	8	12	14	6	11	14	7	18	10	15	28	16	12	9	7	12	7	6	6	12	6	11	28	
24	5	4	6	6	6	5	9	8	4	20	26	16	11	9	10	7	5	10	7	4	4	4	13	14	9	26	
25	5	8	11	19	18	10	5	12	10	12	29	22	12	11	30	6	7	12	6	5	16	6	9	10	11	29	
26	9	5	9	20	19	15	5	4	6	8	14	28	28	33	30	13	6	4	8	6	5	4	5	4	12	33	
27	3	5	6	4	6	5	4	5	4	4	23	30	34	12	12	9	3	14	9	14	6	3	5	4	10	34	
28	4	7	9	6	5	9	14	15	10	15	21	14	19	11	10	7	8	14	6	4	3	4	5	5	9	21	
29	3	3	4	4	4	5	4	6	8	14	18	21	19	26	18	13	7	7	12	6	4	3	6	5	4	26	
30	6	5	3	4	6	4	4	4	3	10	18	20	20	15	10	7	4	16	11	9	4	5	3	4	4	24	
31	5	5	3	10	4	4	10	4	18	18	16	20	23	8	8	8	3	4	5	3	3	4	3	3	4	23	
AV	7	7	8	11	11	10	9	9	10	17	22	21	20	17	16	11	8	4	10	8	7	7	7	7	11	11	
SD	5	4	5	6	6	6	5	4	4	4	7	8	7	7	7	5	5	4	4	4	4	4	4	4	4	2	11

STIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
JAN. 1980
AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.16	.13	.12	.13	.24	.23	.17	.15	.22	.18	.29	.36	.35	.31	.32	.27	.17	.14	.13	.13	.15	.12	.14	.15	.20	.36
2	.12	.12	.11	.13	.14	.12	.14	.14	.16	.18	.21	.21	.29	.38	.31	.27	.27	.24	.23	.22	.24	.22	.21	.24	.20	.38
3	.15	.15	.16	.22	.21	.23	.26	.22	.20	.17	.13	.12	.12	.22	.29	.23	.21	.17	.16	.23	.21	.20	.18	.14	.19	.29
4	.15	.16	.17	.15	.15	.15	.18	.18	.23	.22	.22	.23	.26	.28	.26	.27	.22	.15	.14	.16	.14	.16	.21	.20	.20	.28
5	.21	.18	.16	.21	.18	.16	.14	.17	.24	.24	.24	.28	.32	.34	.32	.21	.18	.17	.16	.14	.17	.19	.17	.21	.34	.21
6	.14	.16	.20	.27	.19	.22	.20	.25	.27	.23	.26	.44	.55	.53	.57	.64	.60	.54	.34	.21	.19	.17	.14	.14	.31	.64
7	.12	.12	.12	.13	.12	.12	.12	.13	.12	.16	.26	.26	.35	.43	.41	.23	.15	.16	.16	.22	.36	.21	.15	.13	.20	.43
8	.15	.13	.12	.12	.13	.12	.13	.15	.15	.15	.19	.29	.26	.21	.17	.13	.18	.27	.37	.46	.50	.42	.62	.23	.62	.50
9	.57	.32	.24	.21	.19	.27	.22	.32	.69	.65	.89	.90	.93	.88	.84	.65	.62	.64	.64	.64	.82	.79	.62	.64	.60	.93
10	.72	.86	.97	.94	.90	.84	.76	.72	.99	.98	.94	.96	.93	.92	.82	.90	.80	.82	.78	.81	.80	.62	.38	.26	.81	.94
11	.31	.30	.28	.23	.27	.23	.24	.20	.15	.20	.21	.24	.29	.33	.28	.24	.19	.14	.13	.15	.16	.14	.13	.14	.22	.33
12	.14	.15	.13	.14	.13	.14	.18	.22	.17	.21	.24	.24	.26	.23	.22	.24	.16	.14	.19	.17	.16	.14	.13	.14	.18	.24
13	.16	.15	.13	.13	.12	.12	.12	.13	.13	.15	.20	.22	.28	.26	.18	.15	.17	.15	.16	.18	.16	.19	.24	.24	.24	.18
14	.71	.70	.76	.73	.84	.79	.71	.56	.47	.15	.33	.48	.33	.40	.23	.14	.12	.13	.13	.13	.13	.13	.13	.13	.39	.84
15	.13	.14	.13	.14	.14	.14	.12	.12	.12	.12	.14	.20	.28	.33	.29	.27	.20	.17	.16	.13	.20	.15	.12	.12	.17	.33
16	.12	.12	.12	.14	.13	.12	.12	.12	.12	.12	.13	.17	.26	.36	.31	.20	.19	.20	.17	.14	.15	.13	.13	.14	.16	.36
17	.12	.12	.13	.12	.13	.13	.12	.13	.12	.13	.15	.27	.38	.34	.30	.23	.20	.16	.15	.14	.14	.13	.13	.12	.17	.38
18	.13	.13	.14	.14	.12	.13	.12	.12	.12	.13	.13	.22	.27	.24	.28	.24	.25	.17	.17	.17	.59	.72	.85	.90	.80	.30
19	.78	.85	.80	.66	.44	.53	.77	.76	.76	.55	.55	.55	.58	.52	.40	.41	.31	.23	.29	.32	.52	.54	.37	.35	.54	.85
20	.23	.27	.17	.16	.32	.39	.30	.17	.20	.32	.37	.43	.43	.37	.42	.44	.32	.25	.17	.14	.14	.15	.15	.16	.27	.84
21	.23	.24	.20	.21	.20	.20	.17	.18	.24	.30	.32	.33	.33	.36	.39	.39	.32	.28	.29	.28	.27	.30	.34	.27	.28	.39
22	.27	.23	.17	.20	.20	.22	.20	.23	.20	.30	.36	.36	.45	.52	.48	.45	.29	.15	.13	.14	.17	.17	.17	.17	.26	.52
23	.16	.17	.17	.18	.15	.17	.18	.15	.14	.24	.39	.47	.52	.45	.46	.37	.33	.32	.31	.33	.35	.34	.24	.28	.29	.52
24	.23	.24	.24	.25	.27	.27	.26	.26	.25	.28	.33	.35	.35	.45	.40	.35	.30	.31	.31	.26	.25	.30	.25	.27	.29	.45
25	.24	.26	.20	.22	.21	.24	.19	.25	.25	.26	.28	.37	.40	.44	.43	.35	.24	.16	.24	.33	.45	.49	.54	.36	.31	.54
26	.37	.35	.39	.23	.22	.18	.19	.19	.26	.33	.45	.55	.50	.53	.57	.49	.58	.61	.48	.41	.42	.40	.27	.29	.39	.61
27	.25	.17	.15	.14	.19	.13	.12	.13	.14	.27	.31	.37	.48	.49	.44	.30	.20	.18	.19	.15	.18	.28	.20	.15	.24	.49
28	.16	.20	.27	.24	.23	.24	.23	.24	.17	.16	.14	.15	.18	.16	.13	.13	.12	.12	.12	.12	.12	.12	.12	.12	.17	.27
29	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.15	.18	.17	.16	.21	.17	.13	.13	.13	.13	.16	.21	.32	.15
30	.24	.20	.19	.19	.21	.27	.23	.21	.27	.20	.15	.15	.17	.24	.21	.14	.13	.14	.17	.19	.19	.14	.16	.14	.19	.27
31	.14	.12	.12	.12	.12	.12	.12	.12	.12	.12	.15	.19	.27	.23	.25	.21	.21	.16	.15	.15	.15	.14	.16	.12	.19	.27
AV	.25	.24	.24	.23	.24	.24	.23	.23	.25	.26	.29	.34	.37	.39	.36	.32	.27	.24	.23	.25	.24	.24	.25	.24	.27	.11
90	.16	.19	.21	.19	.16	.17	.18	.16	.20	.19	.20	.19	.17	.16	.17	.16	.17	.15	.15	.16	.20	.20	.17	.16	.14	.11

AGOUT (29 JAN 81)

SIGMA W (CCP211

METERS/SECOND

LEVEL HEIGHT ± 30 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

FEB, 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-12	-12	-12	-12	-12	-12	-12	-12	-12	-14	-20	-23	-33	-33	-30	-26	-18	-15	-15	-14	-15	-20	-17	-15	-17	-33
2	-13	-14	-14	-13	-13	-12	-12	-12	-12	-14	-18	-25	-28	-27	-28	-24	-21	-14	-13	-15	-14	-12	-18	-12	-14	-28
3	-13	-14	-14	-13	-13	-13	-13	-13	-13	-11	-16	-23	-32	-32	-27	-25	-18	-18	-15	-15	-14	-14	-13	-21	-17	-32
4	-14	-14	-14	-13	-14	-14	-13	-13	-13	-14	-18	-23	-26	-30	-23	-20	-15	-13	-12	-12	-13	-13	-15	-14	-16	-30
5	-14	-14	-14	-13	-13	-12	-12	-12	-12	-12	-15	-21	-27	-29	-29	-23	-20	-15	-15	-13	-13	-13	-14	-13	-16	-29
6	-14	-14	-13	-12	-13	-12	-12	-12	-12	-13	-17	-26	-27	-27	-30	-24	-22	-19	-18	-16	-13	-14	-14	-13	-17	-30
7	-14	-13	-12	-12	-12	-12	-12	-12	-12	-14	-21	-16	-18	-23	-31	-31	-59	-73	-76	-65	-35	-26	-36	-31	-27	-76
8	-45	-55	-28	-24	-23	-17	-16	-21	-25	-19	-15	-23	-24	-32	-40	-29	-23	-15	-14	-21	-24	-26	-25	-28	-26	-55
9	-25	-31	-18	-18	-17	-17	-15	-15	-14	-15	-21	-30	-35	-34	-34	-32	-21	-17	-14	-12	-13	-13	-14	-12	-20	-35
10	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-16	-26	-29	-31	-38	-35	-24	-15	-14	-14	-13	-12	-12	-12	-17	-38
11	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-18	-27	-35	-35	-35	-29	-23	-16	-14	-14	-13	-12	-13	-13	-17	-35
12	-13	-12	-12	-12	-12	-12	-12	-12	-12	-12	-14	-21	-30	-34	-35	-30	-23	-16	-15	-13	-13	-12	-12	-12	-17	-35
13	-12	-13	-12	-12	-12	-12	-12	-12	-12	-13	-14	-28	-28	-27	-32	-27	-21	-16	-16	-16	-14	-12	-12	-12	-17	-32
14	-12	-13	-13	-13	-13	-13	-13	-12	-14	-18	-28	-28	-29	-30	-26	-23	-20	-20	-14	-14	-13	-13	-13	-12	-17	-30
15	-13	-14	-13	-13	-12	-12	-12	-12	-12	-15	-22	-26	-32	-33	-25	-27	-27	-21	-15	-13	-12	-15	-16	-20	-18	-33
16	-21	-14	-14	-12	-18	-16	-13	-13	-12	-12	-12	-12	-12	-12	-14	-31	-22	-18	-17	-18	-19	-13	-12	-12	-17	-34
17	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-13	-35	-32	-26	-28	-21	-14	-14	-14	-12	-12	-12	-12	-16	-35
18	-13	-15	-16	-24	-15	-15	-18	-13	-15	-16	-61	-45	-18	-21	-29	-17	-30	-28	-17	-28	-14	-18	-10	-10	-21	-61
19	-12	-16	-35	-34	-35	-23	-15	-08	-09	-20	-46	-54	-50	-50	-59	-64	-46	-40	-34	-30	-12	-13	-10	-13	-24	-64
20	-10	-09	-18	-28	-35	-26	-35	-13	-11	-29	-46	-43	-27	-29	-51	-38	-34	-30	-12	-13	-16	-24	-13	-10	-25	-51
21	-10	-09	-11	-18	-14	-10	-09	-09	-12	-16	-52	-57	-27	-59	-63	-56	-33	-21	-17	-14	-15	-14	-10	-09	-24	-63
22	-09	-09	-09	-09	-09	-09	-09	-09	-14	-27	-40	-55	-66	-59	-59	-52	-44	-24	-10	-10	-14	-21	-30	-17	-26	-66
23	-09	-09	-14	-16	-19	-15	-10	-18	-13	-11	-21	-48	-49	-60	-52	-36	-24	-32	-25	-36	-40	-32	-34	-31	-27	-60
24	-30	-14	-14	-14	-19	-19	-46	-70	-35	-29	-39	-48	-59	-60	-51	-53	-43	-22	-09	-09	-18	-21	-22	-14	-32	-70
25	-25	-17	-20	-67	-74	-73	-23	-09	-11	-42	-43	-45	-45	-47	-52	-52	-41	-28	-13	-12	-10	-09	-18	-18	-33	-74
26	-14	-15	-15	-13	-23	-38	-27	-22	-22	-34	-46	-51	-52	-55	-51	-35	-24	-13	-08	-09	-10	-10	-18	-17	-26	-55
27	-12	-15	-24	-18	-09	-14	-15	-18	-27	-30	-40	-43	-50	-42	-35	-19	-13	-09	-11	-10	-10	-10	-12	-12	-22	-50
28	-14	-16	-16	-14	-13	-10	-11	-12	-14	-27	-40	-47	-47	-47	-47	-28	-18	-09	-27	-36	-33	-15	-21	-25	-47	-47
29	-20	-39	-14	-14	-29	-15	-26	-23	-15	-28	-46	-46	-43	-45	-42	-37	-42	-39	-31	-27	-19	-38	-34	-31	-25	-48
AV	-15	-16	-15	-17	-18	-17	-17	-16	-14	-18	-27	-33	-35	-37	-39	-35	-29	-22	-17	-17	-17	-17	-16	-16	-22	-11
SD	-07	-10	-06	-11	-13	-12	-09	-11	-05	-08	-13	-13	-13	-12	-12	-10	-11	-12	-11	-11	-08	-07	-08	-06	-05	-11

STIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6
MAR, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PKAF	
1	.35	.43	.38	.20	.23	.20	.16	.16	.25	.37	.46	.58	.58	.52	.63	.55	.53	.27	.10	.09	.11	.15	.19	.18	.32	.63	
2	.20	.21	.15	.11	.09	.10	.13	.18	.17	.21	.31	.27	.39	.60	.54	.47	.31	.18	.12	.12	.09	.11	.11	.11	.22	.60	
3	.09	.08	.09	.09	.10	.09	.09	.10	.09	.23	.23	.46	.73	.67	.60	.70	.67	.27	.18	.17	.13	.17	.21	.31	.29	.87	
4	.38	.42	.31	.34	.13	.16	.17	.14	.09	.09	.23	.43	.63	.64	.68	.63	.68	.77	.59	.44	.25	.28	.24	.15	.37	.77	
5	.23	.28	.20	.14	.12	.20	.15	.19	.16	.28	.65	.78	.74	.72	.83	.76	.68	.66	.73	.68	.80	.56	.45	.49	.83	.59	
6	.59	.35	.37	.57	.39	.28	.31	.35	.23	.12	.22	.20	.08	.15	.16	.17	.13	.12	.16	.10	.13	.09	.11	.23	.59	.59	
7	.09	.09	.09	.09	.09	.09	.09	.09	.09	.13	.38	.44	.52	.51	.44	.49	.49	.35	.14	.21	.20	.15	.10	.15	.23	.52	
8	.13	.18	.27	.15	.18	.21	.21	.25	.24	.31	.43	.61	.62	.65	.63	.50	.47	.43	.27	.19	.25	.12	.18	.21	.32	.75	
9	.15	.15	.19	.23	.32	.35	.34	.30	.37	.51	.61	.63	.66	.70	.65	.58	.43	.26	.17	.21	.22	.30	.40	.37	.70	.65	
10	.45	.36	.25	.19	.17	.19	.19	.24	.35	.46	.51	.54	.60	.63	.61	.50	.32	.26	.21	.12	.12	.13	.22	.17	.33	.63	
11	.13	.13	.15	.19	.18	.14	.11	.10	.08	.10	.23	.44	.37	.55	.51	.68	.66	.42	.62	.57	.46	.54	.68	.27	.35	.64	
12	.18	.55	.56	.79	.86	.85	.84	.83	.65	.62	.82	.81	.82	.75	.71	.72	.65	.57	.46	.33	.27	.17	.24	.32	.60	.86	
13	.32	.26	.19	.29	.27	.24	.20	.20	.34	.37	.47	.60	.64	.67	.69	.66	.54	.27	.20	.35	.28	.30	.27	.26	.37	.69	
14	.18	.17	.17	.15	.18	.20	.19	.20	.25	.40	.47	.61	.71	.64	.55	.78	.80	.68	.46	.35	.53	.36	.18	.22	.39	.80	
15	.17	.37	.42	.40	.23	.16	.14	.23	.19	.16	.21	.62	.55	.61	.67	.75	.69	.62	.49	.38	.18	.32	.67	.67	.41	.75	
16	.51	.72	.81	.66	.57	.57	.30	.38	.42	.66	.78	.77	.78	.73	.74	.65	.71	.74	.55	.42	.28	.28	.33	.32	.57	.81	
17	.33	.22	.25	.33	.24	.20	.32	.29	.48	.46	.61	.70	.78	.80	.70	.62	.56	.60	.55	.55	.60	.66	.36	.24	.47	.80	
18	.18	.18	.19	.21	.21	.21	.14	.15	.25	.47	.60	.67	.68	.59	.68	.66	.60	.41	.17	.14	.18	.28	.23	.24	.35	.68	
19	.24	.18	.31	.20	.26	.18	.20	.26	.30	.41	.68	.75	.71	.73	.78	.72	.63	.60	.63	.51	.23	.26	.15	.13	.42	.78	
20	.14	.18	.20	.16	.17	.20	.21	.23	.33	.49	.61	.75	.69	.66	.67	.72	.67	.75	.53	.50	.49	.37	.24	.14	.42	.75	
21	.20	.24	.18	.18	.15	.18	.21	.17	.24	.83	.93	.95	.95	.93	.91	.80	.86	.84	.58	.32	.22	.29	.43	.41	.50	.95	
22	.27	.21	.18	.15	.15	.13	.14	.19	.25	.41	.44	.62	.56	.63	.76	.69	.56	.58	.42	.34	.25	.18	.18	.20	.36	.83	
23	.30	.31	.31	.26	.14	.12	.12	.14	.30	.47	.71	.73	.69	.72	.77	.65	.62	.41	.18	.15	.28	.24	.32	.21	.38	.77	
24	.17	.23	.28	.32	.21	.16	.24	.25	.28	.51	.49	.78	.77	.77	.83	.81	.64	.65	.45	.45	.27	.13	.13	.12	.41	.83	
25	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.13	.33	.27	.28	.33	.30	.31	.29	.24	.21	.19	.20	.19	.16	.19	.33	.73
26	.31	.21	.15	.14	.13	.13	.13	.13	.15	.27	.37	.43	.69	.61	.73	.66	.52	.50	.37	.22	.23	.26	.23	.26	.33	.73	
27	.28	.27	.27	.21	.23	.21	.24	.30	.35	.45	.52	.61	.73	.70	.64	.59	.67	.69	.50	.27	.30	.23	.14	.13	.40	.73	
28	.12	.12	.16	.19	.15	.12	.12	.14	.17	.30	.54	.63	.72	.75	.80	.62	.76	.75	.46	.46	.34	.38	.20	.17	.38	.80	
29	.15	.14	.21	.17	.13	.13	.15	.21	.32	.55	.74	.67	.70	.68	.67	.65	.49	.23	.24	.23	.24	.28	.23	.29	.37	.74	
30	.35	.32	.25	.22	.20	.16	.18	.28	.25	.34	.38	.71	.85	.81	.78	.79	.53	.28	.23	.30	.25	.20	.20	.24	.38	.85	
31	.17	.29	.30	.21	.24	.26	.32	.33	.34	.35	.49	.63	.66	.69	.67	.62	.51	.47	.34	.36	.22	.16	.33	.37	.39	.69	
AV	.24	.26	.26	.25	.22	.21	.21	.23	.26	.36	.48	.61	.64	.66	.67	.64	.59	.50	.37	.32	.27	.26	.26	.25	.37	.81	
SD	.12	.14	.14	.16	.15	.15	.13	.13	.12	.17	.19	.16	.16	.16	.15	.14	.14	.19	.18	.15	.14	.15	.12	.12	.09	.81	

ADDDT (29 JAN 81)

STGMA W (CC1211

METERS/SECOND

LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 6

APR, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AB OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.21	.26	.24	.27	.26	.43	.35	.29	.44	.55	.57	.68	.67	.60	.70	.49	.34	.28	.38	.63	.22	.72	.78	.67	.48	.78
2	.67	.38	.24	.23	.28	.23	.36	.24	.23	.27	.38	.50	.47	.52	.61	.57	.47	.36	.25	.23	.22	.25	.41	.41	.37	.67
3	.30	.33	.47	.35	.26	.28	.30	.28	.29	.48	.63	.66	.69	.70	.59	.58	.51	.35	.37	.20	.16	.16	.16	.15	.39	.70
4	.15	.14	.13	.14	.15	.16	.22	.20	.33	.54	.55	.65	.72	.72	.55	.68	.59	.50	.31	.23	.27	.45	.29	.28	.37	.72
5	.24	.26	.27	.20	.18	.16	.16	.16	.27	.21	.35	.64	.71	.74	.83	.73	.63	.45	.74	.61	.47	.23	.29	.28	.41	.83
6	.31	.46	.68	.64	.34	.35	.25	.24	.38	.49	.65	.82	.82	.85	.83	.91	.92	.88	.79	.48	.21	.33	.46	.28	.56	.92
7	.21	.53	.46	.22	.19	.27	.16	.23	.53	.48	.81	.85	.93	.94	.81	.80	.85	.76	.74	.69	.55	.32	.24	.31	.64	.94
8	.27	.26	.22	.18	.19	.27	.16	.23	.53	.48	.61	.74	.81	.75	.75	.66	.69	.47	.24	.19	.27	.25	.28	.22	.41	.81
9	.17	.20	.21	.20	.19	.18	.26	.21	.39	.50	.64	.59	.71	.68	.75	.80	.76	.68	.53	.25	.32	.18	.17	.24	.41	.80
10	.17	.19	.18	.21	.18	.20	.55	.71	.67	.69	.84	.85	.79	.97	.88	.89	.93	.88	.74	.79	.47	.34	.29	.34	.58	.97
11	.21	.18	.16	.17	.16	.16	.25	.23	.33	.65	.74	.65	.73	.65	.91	.93	.93	.92	.80	.67	.70	.72	.79	.57	.57	.93
12	.60	.24	.15	.17	.20	.16	.19	.28	.48	.58	.75	.72	.73	.69	.74	.73	.83	.82	.84	.83	.70	.67	.51	.23	.54	.84
13	.22	.19	.20	.19	.19	.21	.27	.27	.49	.57	.65	.64	.73	.71	.77	.68	.61	.38	.18	.17	.36	.22	.18	.29	.39	.77
14	.24	.23	.24	.19	.19	.21	.27	.27	.49	.57	.65	.64	.73	.71	.77	.68	.61	.38	.18	.17	.36	.22	.18	.29	.39	.77
15	.26	.23	.24	.24	.23	.23	.25	.25	.39	.52	.71	.66	.73	.76	.72	.73	.76	.87	.80	.75	.73	.60	.31	.17	.51	.87
16	.21	.26	.33	.35	.30	.31	.24	.37	.36	.59	.76	.71	.76	.71	.66	.72	.59	.50	.27	.19	.24	.33	.30	.29	.43	.76
17	.23	.21	.24	.26	.21	.18	.20	.22	.47	.50	.62	.65	.61	.63	.76	.63	.62	.48	.23	.19	.25	.22	.28	.33	.38	.76
18	.31	.20	.21	.23	.24	.22	.17	.23	.42	.58	.49	.66	.75	.75	.76	.71	.68	.57	.37	.29	.31	.46	.27	.28	.42	.76
19	.27	.22	.25	.20	.21	.20	.20	.23	.39	.55	.65	.69	.70	.77	.78	.76	.62	.59	.47	.27	.35	.37	.50	.29	.43	.74
20	.31	.17	.21	.23	.18	.17	.17	.21	.35	.47	.64	.67	.71	.69	.81	.84	.78	.63	.47	.26	.46	.45	.55	.47	.45	.84
21	.53	.46	.48	.40	.72	.50	.55	.63	.77	.87	.75	.65	.69	.66	.53	.30	.37	.30	.54	.35	.24	.21	.18	.14	.50	.87
22	.13	.18	.17	.13	.14	.13	.20	.24	.39	.44	.55	.66	.66	.66	.82	.77	.78	.72	.61	.54	.30	.38	.53	.44	.44	.82
23	.25	.20	.28	.23	.21	.21	.27	.18	.33	.47	.60	.64	.84	.76	.74	.79	.70	.47	.27	.15	.24	.39	.40	.36	.42	.84
24	.27	.23	.16	.17	.15	.18	.23	.23	.38	.46	.41	.56	.59	.43	.30	.42	.57	.55	.50	.37	.37	.46	.49	.47	.37	.59
25	.45	.50	.54	.42	.25	.41	.25	.27	.54	.76	.76	.76	.76	.71	.79	.70	.69	.64	.52	.50	.48	.48	.55	.69	.56	.79
26	.46	.33	.21	.25	.23	.23	.21	.29	.44	.64	.73	.73	.75	.79	.75	.77	.62	.57	.39	.20	.20	.24	.27	.29	.44	.79
27	.27	.45	.44	.26	.20	.20	.29	.42	.53	.69	.73	.74	.68	.76	.77	.65	.56	.36	.18	.22	.25	.18	.22	.43	.77	.84
28	.18	.17	.21	.24	.27	.25	.20	.27	.49	.63	.64	.73	.74	.79	.84	.79	.67	.37	.20	.15	.27	.41	.28	.16	.42	.84
29	.24	.21	.24	.24	.18	.26	.22	.27	.34	.45	.54	.75	.74	.80	.75	.77	.90	.50	.49	.40	.36	.47	.40	.32	.42	.90
30	.26	.26	.19	.18	.18	.14	.13	.18	.33	.39	.47	.70	.66	.25	.29	.39	.41	.31	.41	.53	.45	.39	.34	.32	.34	.70
AV	.29	.27	.28	.25	.23	.25	.26	.29	.43	.54	.63	.70	.72	.71	.72	.70	.67	.56	.47	.37	.37	.37	.35	.33	.45	(1
30	.13	.11	.13	.12	.10	.12	.12	.15	.12	.14	.12	.09	.09	.13	.14	.14	.15	.18	.21	.21	.16	.15	.16	.18	.07	(1

SIGMA W (CC8211)
METERS/SECOND
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT #139
BONANZA, UTAH
SITE 6
MAY, 1980
AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.24	.31	.22	.15	.17	.15	.17	.30	.52	.61	.68	.76	.70	.68	.67	.46	.35	.24	.37	.34	.18	.16	.26	.38	.76		
2	.18	.16	.16	.24	.14	.16	.19	.33	.68	.52	.60	.65	.79	.81	.74	.79	.74	.47	.40	.27	.19	.24	.30	.23	.41	.81	
3	.27	.25	.20	.22	.20	.24	.21	.24	.27	.48	.60	.67	.73	.74	.73	.58	.66	.58	.49	.42	.44	.35	.23	.33	.42	.74	
4	.22	.32	.24	.18	.15	.19	.23	.41	.54	.54	.67	.76	.69	.74	.72	.69	.60	.60	.47	.46	.51	.46	.35	.52	.46	.76	
5	.53	.20	.15	.13	.17	.34	.31	.41	.40	.51	.72	.67	.69	.66	.77	.67	.50	.35	.27	.18	.26	.31	.28	.41	.77	.72	
6	.19	.17	.24	.26	.23	.23	.21	.26	.42	.64	.52	.72	.68	.64	.59	.61	.60	.50	.38	.37	.18	.20	.30	.19	.39	.72	
7	.14	.16	.17	.14	.13	.14	.17	.17	.34	.51	.47	.66	.77	.63	.64	.67	.58	.41	.33	.28	.18	.22	.37	.77	.77	.77	
8	.17	.16	.14	.15	.15	.13	.13	.14	.20	.39	.57	.59	.47	.47	.45	.64	.63	.50	.65	.70	.73	.50	.72	.55	.41	.73	
9	.27	.27	.26	.24	.22	.18	.17	.23	.48	.76	.83	.86	.79	.90	.87	.80	.56	.32	.22	.30	.25	.19	.25	.16	.43	.90	
10	.14	.14	.17	.20	.21	.23	.15	.22	.37	.77	.76	.75	.89	.93	.94	.92	.94	.81	.72	.48	.34	.21	.28	.17	.49	.94	
11	.15	.14	.21	.19	.24	.37	.33	.41	.45	.56	.55	.40	.37	.45	.60	.77	.51	.45	.31	.23	.17	.55	.46	.20	.38	.94	
12	.27	.55	.48	.30	.33	.23	.44	.46	.62	.64	.69	.69	.74	.76	.64	.64	.67	.54	.35	.31	.18	.15	.14	.13	.46	.76	
13	.14	.15	.14	.17	.21	.17	.21	.32	.44	.58	.52	.66	.72	.68	.58	.64	.82	.69	.42	.26	.22	.38	.34	.27	.40	.82	
14	.23	.34	.28	.23	.16	.16	.24	.28	.40	.49	.61	.49	.57	.58	.57	.61	.63	.63	.55	.42	.56	.46	.46	.26	.20	.41	.63
15	.15	.20	.26	.38	.20	.17	.21	.35	.46	.57	.66	.65	.62	.55	.47	.49	.49	.39	.30	.43	.47	.27	.24	.35	.39	.66	
16	.29	.21	.18	.21	.16	.17	.21	.22	.49	.60	.62	.68	.76	.67	.43	.45	.46	.75	.50	.69	.35	.24	.43	.51	.43	.76	
17	.48	.37	.33	.49	.54	.82	.33	.52	.51	.49	.42	.59	.60	.65	.59	.50	.40	.35	.24	.15	.19	.14	.15	.28	.41	.65	
18	.30	.24	.21	.21	.18	.19	.25	.40	.47	.52	.62	.69	.67	.68	.67	.60	.52	.43	.35	.17	.16	.32	.33	.24	.39	.69	
19	.23	.30	.23	.23	.24	.30	.28	.36	.51	.54	.63	.68	.64	.70	.64	.62	.59	.46	.30	.20	.24	.27	.36	.31	.41	.70	
20	.21	.21	.24	.20	.21	.23	.28	.31	.41	.52	.54	.62	.60	.57	.65	.57	.51	.45	.28	.18	.21	.27	.32	.38	.37	.65	
21	.28	.21	.20	.21	.24	.21	.24	.24	.37	.50	.60	.61	.62	.66	.55	.59	.56	.51	.27	.20	.23	.32	.35	.38	.66	.66	
22	.24	.20	.24	.21	.18	.17	.14	.21	.29	.37	.39	.55	.62	.60	.77	.75	.79	.76	.76	.56	.74	.35	.51	.55	.44	.80	
23	.60	.28	.31	.49	.41	.68	.74	.88	.89	.89	.90	.92	.92	.88	.91	.87	.84	.92	.92	.65	.35	.38	.59	.67	.70	.92	
24	.75	.84	.90	.93	.84	.76	.79	1031	.96	.95	.97	.97	.96	.89	.89	.83	.82	.73	.69	.88	.83	.85	.67	.51	.84	.97	
25	.53	.43	.65	.50	.33	.48	.69	.73	.75	.73	.77	.85	.85	.84	.79	.60	.52	.32	.41	.25	.28	.22	.17	.56	.85	.85	
26	.16	.18	.20	.26	.19	.21	.21	.38	.46	.58	.69	.78	.83	.82	.82	.78	.80	.80	.58	.33	.21	.21	.29	.26	.48	.83	
27	.25	.29	.23	.23	.21	.15	.18	.27	.48	.87	.85	.88	.86	.87	.84	.90	.87	.76	.68	.49	.28	.22	.22	.26	.48	.83	
28	.27	.39	.20	.20	.26	.21	.20	.36	.78	.87	.87	.90	.87	.86	.82	.84	.84	.74	.47	.21	.22	.35	.47	.55	.93	.93	
29	.56	.68	.50	.34	.26	.28	.32	.51	.35	.59	.75	.80	.77	.78	.82	.76	.62	.61	.50	.54	.48	.51	.34	.25	.54	.82	
30	.21	.24	.30	.25	.22	.20	.20	.38	.48	.60	.64	.69	.81	.71	.74	.83	.74	.67	.73	.60	.30	.34	.31	.36	.48	.83	
31	.30	.25	.30	.29	.24	.23	.20	.58	.70	.64	.75	.78	.74	.75	.71	.68	.68	.74	.76	.59	.40	.20	.34	.33	.51	.78	
AV	.29	.29	.28	.27	.25	.25	.28	.35	.49	.61	.65	.71	.72	.72	.70	.69	.65	.58	.49	.41	.34	.32	.33	.32	.46	1	
90	.15	.16	.16	.15	.14	.14	.17	.16	.17	.14	.14	.12	.13	.12	.13	.13	.14	.17	.19	.18	.14	.14	.14	.14	.10	1	

SIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUN, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.28	.28	.30	.24	.36	.26	.30	.44	.54	.52	.68	.68	.74	.70	.80	.64	.46	.40	.64	.56	.30	.28	.34	.40	.44	.80	
2	.34	.32	.26	.20	.20	.18	.18	.30	.68	.86	.80	.82	.88	.88	.86	.86	.86	.86	.84	.74	.42	.28	.34	.34	.44	.88	
3	.24	.34	.34	.18	.24	.36	.30	.62	.86	.92	.90	.92	.92	.92	.90	.90	.92	.92	.78	.50	.34	.38	.36	.40	.40	.92	
4	.36	.34	.56	.50	.44	.22	.24	.46	.42	.88	.92	.90	.88	.92	.90	.84	.86	.84	.84	.70	.54	.54	.54	.34	.64	.92	
5	.38	.34	.22	.40	.34	.32	.34	.34	.44	.64	.84	.88	.88	.90	.90	.90	.88	.84	.84	.78	.68	.60	.48	.52	.62	.90	
6	.28	.18	.20	.20	.26	.22	.20	.28	.76	.84	.86	.86	.88	.86	.90	.88	.84	.88	.84	.84	.60	.90	.36	.22	.60	.94	
7	.20	.34	.40	.34	.26	.24	.20	.28	.54	.68	.78	.72	.72	.78	.84	.74	.62	.62	.46	.24	.20	.20	.30	.30	.44	.94	
8	.26	.26	.22	.20	.24	.24	.30	.34	.44	.56	.72	.72	.68	.74	.72	.70	.70	.60	.36	.34	.22	.24	.26	.36	.44	.74	
9	.24	.24	.24	.28	.24	.28	.36	.36	.46	.54	.74	.76	.76	.74	.76	.76	.64	.54	.44	.38	.22	.24	.30	.56	.44	.88	
10	.44	.24	.14	.20	.28	.24	.26	.36	.50	.52	.62	.68	.80	.84	.88	.60	.46	.42	.22	.22	.26	.30	.26	.30	.44	.88	
11	.28	.22	.26	.14	.14	.14	.14	.24	.40	.68	.88	.84	.88	.84	.84	.80	.76	.74	.70	.64	.58	.78	.70	.62	.54	.88	
12	.42	.48	.22	.20	.24	.24	.24	.52	.72	.80	.80	.88	.84	.84	.84	.82	.84	.84	.80	.62	.50	.42	.24	.14	.56	.88	
13	.18	.16	.20	.20	.18	.18	.22	.28	.38	.56	.82	.86	.84	.88	.86	.84	.80	.80	.72	.58	.60	.48	.46	.36	.52	.88	
14	.30	.46	.24	.18	.28	.14	.16	.18	.44	.70	.80	.80	.86	.80	.82	.82	.74	.76	.78	.84	.84	.82	.72	.54	.44	.54	.84
15	.32	.28	.24	.24	.34	.34	.26	.38	.58	.62	.68	.74	.76	.72	.80	.80	.74	.66	.56	.46	.32	.40	.28	.22	.50	.80	
16	.14	.24	.18	.10	.14	.20	.28	.28	.44	.62	.66	.66	.70	.68	.68	.70	.62	.54	.30	.14	.18	.32	.26	.28	.40	.70	
17	.18	.16	.20	.14	.14	.24	.18	.26	.44	.56	.64	.68	.68	.76	.76	.68	.52	.36	.12	.08	.16	.26	.24	.30	.34	.74	
18	.30	.24	.18	.16	.18	.18	.20	.30	.38	.50	.66	.66	.72	.70	.68	.64	.68	.84	.84	.34	.26	.56	.30	.36	.42	.72	
19	.36	.24	.18	.20	.24	.22	.22	.20	.32	.46	.66	.70	.76	.80	.86	.76	.66	.54	.34	.18	.22	.32	.28	.40	.42	.86	
20	.26	.26	.20	.16	.18	.16	.16	.28	.44	.56	.60	.70	.58	.68	.76	.78	.72	.58	.64	.54	.34	.30	.30	.20	.44	.74	
21	.16	.16	.14	.16	.18	.14	.18	.30	.30	.48	.64	.72	.80	.82	.80	.74	.76	.64	.48	.26	.14	.22	.30	.24	.40	.82	
22	.22	.14	.14	.12	.12	.16	.18	.22	.42	.48	.56	.68	.74	.72	.80	.78	.70	.60	.54	.52	.34	.22	.14	.20	.40	.80	
23	.22	.30	.60	.46	.40	.54	.34	.64	.88	.86	.92	.90	.86	.86	.90	.92	.92	.82	.80	.72	.58	.46	.30	.20	.64	.92	
24	.24	.24	.20	.20	.22	.20	.18	.26	.36	.46	.62	.84	.86	.88	.82	.84	.84	.76	.76	.54	.54	.34	.26	.42	.50	.84	
25	.44	.40	.22	.22	.16	.18	.16	.26	.46	.62	.82	.90	.84	.86	.84	.82	.84	.84	.82	.78	.70	.34	.34	.34	.42	.50	.84
26	.36	.30	.34	.24	.16	.16	.18	.28	.46	.82	.88	.90	.90	.86	.88	.86	.82	.82	.76	.76	.64	.34	.34	.34	.54	.90	
27	.58	.54	.54	.46	.40	.42	.54	.50	.56	.56	.68	.74	.82	.82	.84	.88	.88	.82	.82	.76	.64	.24	.20	.36	.54	.94	
28	.22	.30	.28	.18	.18	.22	.22	.30	.36	.62	.68	.76	.74	.74	.74	.74	.66	.54	.42	.14	.14	.20	.20	.20	.42	.74	
29	.22	.20	.18	.14	.22	.28	.26	.34	.36	.56	.66	.74	.74	.74	.74	.72	.64	.76	.66	.26	.46	.28	.24	.36	.44	.76	
30	.20	.24	.20	.14	.16	.16	.24	.20	.24	.44	.54	.66	.78	.82	.74	.78	.74	.66	.38	.14	.64	.34	.42	.22	.44	.82	
AV	.28	.28	.26	.22	.24	.24	.24	.34	.50	.64	.74	.78	.80	.80	.82	.80	.74	.70	.60	.50	.42	.38	.34	.32	.50	.80	
SD	.08	.10	.12	.10	.04	.04	.12	.14	.16	.14	.10	.10	.08	.08	.06	.04	.12	.14	.20	.22	.20	.16	.12	.12	.04	.80	

SIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 130 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

JUL. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.10	.12	.16	.18	.16	.10	.10	.32	.52	.54	.44	.40	.68	.66	.58	.66	.58	.56	.60	.56	.42	.40	.36	.18	.40	.68
2	.18	.18	.14	.14	.18	.20	.18	.20	.28	.38	.52	.64	.68	.56	.46	.46	.48	.32	.36	.46	.50	.46	.34	.32	.38	.68
3	.26	.26	.28	.24	.24	.18	.14	.24	.24	.24	.62	.70	.66	.66	.66	.68	.68	.70	.58	.28	.24	.24	.26	.24	.42	.70
4	.34	.44	.68	.84	.74	.70	.72	.62	.62	.58	.64	.76	.84	.80	.72	.72	.72	.62	.52	.30	.18	.24	.36	.36	.54	.84
5	.32	.40	.20	.20	.18	.20	.18	.24	.48	.60	.68	.78	.84	.80	.84	.80	.80	.80	.60	.34	.22	.46	.46	.34	.84	.84
6	.24	.24	.16	.14	.16	.22	.24	.34	.46	.52	.64	.66	.74	.74	.74	.74	.74	.82	.62	.44	.24	.24	.34	.30	.84	.82
7	.36	.36	.40	.36	.32	.26	.26	.22	.24	.34	.38	.62	.90	.92	.86	.68	.72	.80	.68	.50	.52	.34	.18	.62	.50	.92
8	.16	.60	.52	.40	.22	.18	.18	.46	.64	.70	.76	.82	.84	.76	.74	.78	.76	.74	.84	.36	.38	.32	.16	.18	.54	.84
9	.16	.24	.28	.24	.16	.16	.20	.38	.52	.70	.68	.74	.76	.78	.78	.78	.68	.52	.42	.34	.26	.30	.42	.24	.84	.74
10	.24	.30	.30	.24	.20	.18	.22	.32	.48	.52	.62	.74	.76	.82	.78	.68	.68	.68	.78	.74	.42	.32	.20	.18	.48	.82
11	.16	.16	.24	.22	.24	.24	.22	.36	.56	.68	.68	.72	.70	.72	.64	.54	.32	.16	.26	.26	.26	.28	.34	.50	.82	.76
12	.32	.26	.16	.18	.20	.28	.30	.48	.70	.60	.62	.58	.34	.80	.90	.82	.78	.82	.30	.14	.42	.72	.62	.26	.88	.90
13	.18	.20	.28	.20	.22	.42	.40	.32	.50	.78	.74	.62	.70	.78	.82	.70	.74	.64	.46	.42	.34	.42	.36	.26	.88	.82
14	.22	.18	.16	.16	.20	.28	.34	.40	.58	.66	.72	.76	.84	.86	.84	.84	.78	.80	.72	.52	.40	.40	.30	.24	.50	.88
15	.22	.22	.18	.16	.16	.18	.16	.22	.42	.58	.72	.72	.78	.76	.80	.80	.76	.72	.64	.64	.48	.26	.20	.32	.46	.80
16	.36	.32	.24	.22	.26	.26	.24	.34	.50	.60	.64	.66	.74	.80	.78	.78	.74	.60	.34	.18	.16	.28	.30	.26	.48	.80
17	.32	.34	.20	.20	.24	.32	.24	.30	.46	.50	.64	.76	.76	.80	.80	.76	.76	.76	.62	.62	.46	.20	.20	.28	.48	.80
18	.42	.38	.28	.32	.34	.24	.24	.24	.46	.58	.60	.72	.70	.76	.84	.80	.76	.58	.54	.30	.18	.34	.28	.32	.46	.84
19	.30	.28	.16	.14	.16	.14	.16	.20	.44	.62	.74	.76	.74	.80	.82	.78	.74	.64	.62	.72	.62	.40	.24	.18	.84	.82
20	.26	.22	.24	.24	.22	.24	.28	.24	.48	.62	.66	.72	.78	.80	.84	.80	.70	.66	.44	.32	.24	.22	.22	.20	.44	.84
21	.30	.32	.34	.24	.24	.20	.20	.24	.38	.62	.66	.74	.78	.76	.76	.78	.74	.64	.44	.20	.14	.24	.38	.34	.44	.78
22	.26	.38	.30	.30	.20	.18	.16	.24	.48	.52	.64	.74	.80	.80	.80	.78	.80	.84	.54	.32	.28	.18	.18	.28	.84	.80
23	.42	.38	.28	.16	.16	.20	.18	.28	.40	.62	.68	.56	.64	.74	.78	.74	.42	.32	.30	.18	.16	.24	.32	.28	.84	.80
24	.18	.18	.24	.20	.20	.18	.20	.24	.34	.58	.62	.72	.76	.72	.72	.68	.54	.66	.80	.76	.78	.34	.24	.28	.84	.80
25	.20	.18	.22	.24	.22	.20	.22	.34	.48	.76	.62	.74	.76	.72	.76	.68	.50	.80	.30	.26	.34	.46	.52	.26	.44	.76
26	.28	.28	.36	.38	.20	.20	.24	.34	.44	.54	.66	.72	.80	.76	.80	.80	.74	.64	.42	.46	.42	.28	.24	.26	.84	.80
27	.30	.40	.28	.26	.18	.28	.26	.32	.42	.62	.74	.70	.76	.78	.80	.78	.66	.60	.38	.22	.18	.40	.48	.32	.84	.84
28	.36	.28	.28	.24	.20	.26	.34	.40	.48	.60	.70	.74	.68	.78	.68	.68	.60	.52	.36	.16	.14	.32	.26	.28	.42	.74
29	.20	.12	.14	.20	.20	.20	.14	.22	.34	.46	.60	.70	.80	.70	.72	.58	.50	.48	.38	.18	.20	.36	.20	.24	.36	.80
30	.32	.16	.12	.20	.20	.14	.18	.30	.46	.54	.60	.72	.68	.76	.76	.70	.66	.56	.42	.46	.46	.26	.34	.34	.44	.76
31	.28	.24	.28	.32	.24	.22	.26	.28	.38	.50	.66	.70	.74	.66	.64	.66	.50	.60	.58	.48	.32	.16	.12	.22	.42	.74
AV	.28	.28	.26	.26	.22	.24	.24	.32	.46	.58	.64	.70	.74	.76	.74	.74	.68	.62	.52	.38	.34	.30	.28	.28	.84	.84
SD	.12	.10	.12	.12	.10	.10	.10	.10	.10	.10	.08	.08	.10	.06	.08	.08	.10	.12	.16	.18	.16	.10	.12	.10	.08	.84

SIGMA W (CC1211

METERS/SECOND

LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT.#139

BONANZA, UTAH

SITE 6

AUG, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.24	.18	.22	.20	.24	.20	.22	.18	.16	.16	.64	.68	.72	.70	.72	.72	.66	.76	.34	.18	.34	.3A	.1A	.1A	.3A	.76
2	.14	.20	.18	.14	.18	.20	.18	.24	.46	.58	.60	.78	.76	.76	.74	.70	.68	.64	.70	.46	.30	.20	.1A	.24	.42	.78
3	.24	.24	.36	.24	.18	.36	.32	.28	.30	.42	.58	.82	.88	.92	.88	.90	.96	.94	.94	.84	.72	.64	.34	.32	.56	.96
4	.26	.24	.16	.22	.16	.12	.12	.20	.48	.58	.68	.70	.74	.76	.76	.74	.70	.72	.64	.62	.38	.20	.2A	.34	.44	.72
5	.36	.26	.22	.16	.14	.14	.26	.32	.54	.58	.58	.70	.60	.68	.68	.72	.66	.66	.56	.3A	.24	.22	.42	.4A	.42	.72
6	.24	.26	.18	.14	.12	.14	.22	.44	.60	.74	.66	.74	.78	.82	.74	.66	.62	.54	.30	.22	.22	.22	.24	.20	.42	.82
7	.14	.12	.20	.38	.18	.12	.14	.18	.28	.46	.58	.68	.72	.70	.72	.68	.62	.50	.30	.24	.20	.24	.20	.20	.36	.72
8	.28	.28	.28	.24	.22	.16	.20	.20	.30	.46	.66	.72	.76	.78	.78	.70	.52	.34	.16	.16	.24	.44	.44	.60	.42	.7A
9	.36	.58	.40	.14	.16	.18	.20	.46	.64	.66	.68	.76	.78	.78	.72	.68	.62	.46	.1A	.14	.14	.14	.24	.28	.46	.78
10	.38	.18	.20	.30	.18	.18	.24	.28	.40	.50	.56	.62	.74	.80	.78	.80	.72	.74	.64	.60	.5A	.1A	.1A	.24	.46	.80
11	.22	.12	.20	.24	.20	.16	.16	.20	.44	.44	.60	.54	.64	.70	.68	.64	.60	.54	.28	.12	.14	.3A	.34	.42	.3A	.70
12	.30	.30	.24	.30	.18	.18	.18	.20	.34	.66	.64	.68	.68	.76	.68	.62	.60	.56	.36	.2A	.44	.66	.6A	.14	.44	.76
13	.18	.10	.12	.20	.18	.22	.22	.20	.36	.56	.66	.66	.74	.74	.66	.74	.56	.58	.46	.30	.30	.62	.84	.32	.42	.74
14	.18	.14	.14	.10	.08	.18	.18	.30	.44	.56	.64	.70	.70	.82	.82	.78	.64	.58	.54	.58	.54	.22	.22	.26	.42	.82
15	.18	.20	.20	.52	.70	.38	.22	.12	.24	.50	.48	.34	.58	.7A	.88	.66	.72	.80	.36	.38	.60	.46	.2A	.24	.46	.8A
16	.22	.26	.28	.28	.30	.28	.28	.28	.30	.32	.32	.34	.34	.34	.36	.36	.34	.34	.32	.30	.30	.2A	.2A	.28	.30	.36
17	.28	.28	.28	.28	.28	.28	.26	.28	.30	.30	.34	.36	.36	.36	.36	.38	.36	.36	.36	.32	.30	.30	.2A	.2A	.28	.30
18	.28	.2A	.28	.28	.28	.26	.26	.26	.28	.34	.42	.36	.38	.40	.40	.38	.42	.50	.46	.42	.36	.34	.30	.30	.34	.50
19	.26	.26	.26	.26	.24	.24	.26	.34	.36	.38	.40	.48	.48	.34	.26	.28	.28	.36	.30	.24	.24	.24	.22	.22	.30	.48
20	.24	.24	.28	.28	.28	.30	.30	.30	.32	.34	.40	.44	.46	.46	.48	.44	.44	.40	.34	.30	.28	.28	.28	.28	.34	.48
21	.28	.28	.28	.28	.26	.26	.26	.26	.32	.38	.42	.46	.50	.72	.76	.66	.62	.52	.26	.24	.30	.2A	.2A	.28	.3A	.7A
22	.26	.26	.26	.26	.26	.26	.26	.28	.32	.44	.46	.48	.50	.58	.54	.54	.48	.48	.46	.40	.34	.30	.30	.32	.3A	.5A
23	.34	.36	.46	.3A	.28	.22	.16	.24	.66	.74	.74	.70	.68	.72	.80	.76	.32	.42	.46	.56	.72	.7A	.86	.36	.52	.80
24	.22	.14	.16	.14	.18	.24	.20	.16	.24	.20	.16	.24	.20	.16	.24	.20	.16	.24	.20	.16	.24	.20	.16	.24	.20	.16
25	.30	.14	.20	.38	.34	.26	.20	.36	.34	.34	.24	.46	.46	.36	.54	.62	.50	.34	.24	.14	.16	.22	.22	.18	.32	.62
26	.14	.16	.22	.16	.16	.24	.20	.30	.40	.56	.56	.64	.62	.64	.64	.58	.50	.42	.3A	.16	.14	.14	.24	.24	.38	.64
27	.16	.20	.16	.18	.18	.18	.16	.22	.30	.40	.52	.58	.58	.56	.64	.74	.72	.5A	.42	.32	.22	.16	.14	.24	.38	.64
28	.22	.20	.10	.12	.12	.14	.14	.16	.24	.44	.46	.68	.82	.78	.80	.76	.68	.68	.60	.66	.62	.70	.64	.62	.4A	.82
29	.54	.48	.46	.54	.16	.20	.16	.12	.20	.46	.66	.70	.76	.80	.82	.76	.72	.74	.62	.3A	.24	.2A	.34	.24	.4A	.82
30	.28	.22	.18	.12	.14	.14	.16	.18	.20	.24	.40	.54	.66	.80	.82	.74	.70	.68	.82	.64	.42	.14	.14	.14	.3A	.82
31	.18	.28	.22	.20	.26	.16	.24	.22	.30	.40	.46	.46	.72	.76	.74	.66	.66	.60	.26	.16	.16	.30	.2A	.24	.3A	.76
AV	.26	.24	.24	.24	.22	.22	.20	.24	.34	.46	.54	.58	.64	.66	.66	.66	.60	.58	.46	.38	.34	.32	.30	.30	.40	.1
80	.0A	.10	.08	.10	.10	.06	.06	.08	.10	.12	.12	.14	.14	.16	.16	.14	.14	.14	.16	.18	.16	.18	.12	.14	.06	.1

SIGMA W (CC121)

METERS/SECOND
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT.#139
HONANZA, UTAH
SITE 6
SEP, 1980
AEROENVIRONMENT INC.

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* * * * *
* * * * * FINAL DATA
* * * * * AS OF 31/MAR/81
* * * * *
* * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	.30	.22	.24	.24	.24	.14	.24	.26	.42	.40	.50	.58	.72	.70	.64	.58	.48	.40	.16	.10	.14	.16	.14	.14	.34	.72
2	.14	.20	.24	.18	.16	.14	.14	.18	.38	.40	.56	.62	.66	.70	.74	.78	.74	.66	.44	.20	.28	.42	.54	.24	.40	.78
3	.20	.32	.32	.16	.10	.14	.12	.14	.28	.42	.62	.66	.64	.66	.74	.72	.66	.58	.50	.34	.20	.26	.26	.28	.40	.74
4	.20	.32	.20	.24	.18	.14	.16	.26	.36	.50	.60	.54	.58	.60	.64	.66	.64	.54	.34	.18	.12	.22	.30	.20	.24	.66
5	.18	.18	.20	.22	.18	.14	.14	.18	.32	.42	.58	.62	.50	.60	.60	.64	.54	.44	.22	.16	.20	.30	.32	.16	.34	.64
6	.16	.18	.14	.12	.14	.20	.24	.22	.36	.60	.68	.68	.72	.76	.72	.66	.58	.42	.16	.16	.20	.30	.18	.26	.34	.64
7	.26	.18	.20	.12	.10	.12	.10	.10	.20	.32	.28	.26	.28	.30	.36	.32	.26	.24	.12	.12	.12	.12	.14	.12	.20	.36
8	.24	.34	.18	.24	.22	.14	.08	.12	.34	.34	.24	.18	.28	.50	.48	.40	.34	.18	.22	.14	.08	.08	.12	.20	.24	.50
9	.22	.14	.14	.10	.14	.18	.20	.16	.20	.38	.38	.24	.24	.34	.42	.34	.32	.20	.14	.26	.16	.10	.08	.08	.24	.42
10	.08	.08	.10	.08	.08	.08	.08	.10	.26	.36	.48	.32	.26	.34	.42	.38	.26	.34	.32	.34	.18	.22	.28	.30	.24	.48
11	.20	.14	.16	.16	.14	.14	.12	.20	.28	.60	.72	.72	.76	.74	.72	.70	.66	.54	.18	.28	.22	.18	.22	.22	.22	.76
12	.20	.22	.24	.18	.14	.10	.08	.16	.24	.50	.60	.60	.64	.64	.66	.52	.50	.32	.12	.36	.26	.24	.34	.18	.34	.66
13	.20	.18	.20	.20	.20	.16	.16	.18	.22	.46	.70	.74	.58	.64	.64	.52	.48	.72	.62	.50	.16	.24	.26	.24	.40	.84
14	.24	.20	.22	.20	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.16	.74
15	.16	.14	.12	.12	.18	.16	.14	.16	.36	.44	.52	.58	.62	.68	.68	.66	.64	.50	.40	.34	.30	.24	.18	.14	.14	.74
16	.16	.14	.10	.08	.12	.18	.20	.16	.32	.54	.74	.78	.76	.74	.76	.72	.72	.66	.70	.68	.54	.44	.42	.24	.44	.78
17	.30	.26	.24	.32	.40	.34	.34	.30	.26	.44	.60	.64	.66	.68	.62	.58	.50	.40	.22	.14	.20	.36	.36	.30	.40	.68
18	.26	.22	.20	.22	.18	.16	.14	.14	.24	.42	.42	.58	.58	.56	.82	.80	.74	.68	.60	.40	.66	.66	.60	.66	.64	.84
19	.52	.50	.48	.54	.64	.56	.54	.60	.74	.78	.78	.74	.80	.78	.74	.74	.68	.54	.46	.46	.46	.60	.34	.20	.60	.80
20	.30	.18	.14	.22	.22	.22	.20	.24	.34	.46	.58	.66	.66	.64	.60	.64	.52	.34	.20	.30	.28	.28	.34	.24	.36	.66
21	.20	.18	.18	.12	.12	.14	.14	.26	.30	.46	.68	.76	.70	.78	.84	.82	.60	.46	.40	.34	.46	.20	.16	.14	.40	.84
22	.08	.12	.12	.14	.10	.10	.12	.20	.30	.52	.60	.62	.66	.64	.66	.60	.48	.34	.12	.12	.22	.18	.22	.20	.12	.66
23	.20	.18	.22	.26	.22	.24	.20	.20	.32	.40	.50	.58	.68	.66	.66	.58	.52	.22	.16	.12	.18	.24	.14	.16	.34	.68
24	.24	.26	.26	.38	.28	.22	.24	.32	.30	.44	.64	.74	.70	.70	.68	.56	.46	.26	.10	.18	.20	.16	.20	.24	.36	.74
25	.20	.18	.24	.42	.24	.26	.18	.14	.34	.46	.56	.66	.68	.62	.62	.58	.50	.32	.12	.14	.18	.18	.18	.18	.34	.68
26	.20	.16	.14	.14	.18	.16	.16	.16	.28	.44	.46	.56	.62	.60	.60	.56	.48	.22	.14	.24	.16	.14	.28	.24	.34	.62
27	.20	.16	.14	.12	.16	.18	.20	.14	.22	.34	.50	.56	.60	.64	.58	.62	.56	.44	.24	.10	.20	.26	.16	.14	.30	.68
28	.14	.18	.18	.20	.22	.18	.18	.12	.34	.46	.48	.58	.60	.66	.66	.66	.54	.44	.18	.12	.22	.20	.16	.14	.30	.66
29	.18	.22	.28	.20	.14	.26	.24	.26	.28	.38	.58	.62	.56	.64	.58	.56	.52	.26	.10	.12	.28	.24	.34	.24	.34	.64
30	.18	.26	.24	.18	.18	.16	.18	.20	.24	.36	.44	.52	.54	.56	.66	.52	.34	.18	.10	.24	.20	.24	.26	.22	.30	.66
AV	.22	.20	.20	.20	.18	.18	.18	.20	.32	.44	.56	.58	.60	.62	.64	.60	.52	.38	.26	.24	.26	.26	.26	.22	.34	.74
80	.08	.08	.08	.10	.10	.08	.08	.10	.10	.10	.12	.16	.16	.12	.12	.12	.14	.16	.16	.12	.12	.16	.14	.10	.08	.74

SIGMA W ICC1211

METERS/SECOND
LEVEL HEIGHT 130 METERS

WHITE RIVER SHALF PROJECT, M139
KONANZA, UTAH
SITE A

OCT, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.16	.24	.26	.24	.20	.22	.20	.26	.20	.44	.46	.56	.60	.62	.60	.52	.42	.24	.18	.24	.34	.30	.36	.32	.34	.62
2	.22	.26	.38	.30	.20	.26	.38	.44	.56	.58	.70	.72	.68	.66	.62	.50	.36	.20	.04	.16	.18	.22	.16	.24	.34	.72
3	.22	.18	.18	.18	.20	.18	.14	.32	.36	.46	.46	.52	.58	.52	.56	.52	.34	.14	.10	.14	.28	.34	.14	.24	.30	.58
4	.26	.14	.20	.20	.24	.24	.10	.30	.44	.46	.46	.56	.60	.66	.64	.50	.32	.16	.14	.18	.18	.22	.20	.22	.32	.46
5	.20	.24	.22	.24	.24	.24	.22	.24	.26	.40	.48	.54	.60	.56	.62	.58	.44	.24	.12	.14	.20	.24	.24	.24	.32	.62
6	.14	.16	.16	.20	.16	.18	.14	.20	.36	.38	.46	.62	.60	.60	.56	.44	.38	.16	.10	.14	.32	.20	.20	.20	.30	.62
7	.18	.14	.20	.20	.16	.14	.14	.14	.24	.40	.42	.60	.62	.60	.52	.50	.34	.18	.08	.14	.32	.22	.24	.24	.30	.62
8	.14	.22	.22	.14	.18	.22	.20	.14	.14	.34	.52	.54	.58	.54	.66	.28	.10	.12	.12	.22	.20	.24	.18	.20	.24	.54
9	.20	.24	.24	.24	.20	.18	.18	.24	.32	.48	.50	.58	.54	.58	.54	.56	.42	.20	.12	.20	.40	.24	.30	.28	.32	.64
10	.28	.20	.14	.14	.14	.24	.36	.26	.32	.42	.66	.62	.66	.66	.62	.54	.44	.22	.12	.14	.20	.30	.16	.20	.34	.64
11	.18	.22	.18	.18	.18	.16	.14	.16	.24	.40	.54	.48	.54	.56	.52	.48	.34	.16	.20	.18	.18	.16	.16	.16	.24	.54
12	.12	.12	.10	.12	.10	.14	.14	.14	.14	.26	.38	.40	.36	.38	.14	.20	.34	.44	.28	.18	.24	.34	.24	.16	.24	.44
13	.12	.24	.30	.14	.10	.10	.10	.12	.18	.46	.46	.52	.58	.62	.54	.36	.22	.18	.30	.24	.56	.40	.24	.24	.30	.62
14	.16	.14	.18	.20	.18	.14	.14	.14	.14	.24	.30	.44	.40	.32	.42	.44	.46	.86	.70	.52	.30	.14	.22	.42	.32	.86
15	.38	.32	.54	.36	.36	.50	.72	.42	.40	.62	.64	.76	.76	.82	.64	.74	.54	.42	.24	.20	.26	.22	.24	.16	.44	.82
16	.22	.26	.14	.24	.30	.22	.28	.20	.24	.28	.30	.40	.44	.44	.52	.44	.44	.38	.58	.46	.68	.66	.54	.56	.34	.68
17	.58	.32	.16	.16	.20	.24	.34	.32	.38	.46	.64	.64	.74	.70	.60	.72	.54	.42	.56	.54	.42	.34	.24	.34	.34	.74
18	.30	.32	.42	.24	.24	.34	.32	.38	.46	.52	.56	.56	.64	.60	.56	.50	.34	.14	.16	.28	.34	.20	.24	.24	.34	.64
19	.30	.24	.28	.20	.24	.22	.18	.16	.26	.44	.52	.56	.60	.64	.64	.54	.42	.22	.14	.16	.24	.24	.20	.24	.34	.64
20	.24	.20	.20	.14	.20	.16	.16	.16	.22	.44	.46	.56	.56	.54	.56	.46	.40	.16	.14	.26	.20	.22	.20	.24	.30	.54
21	.22	.24	.20	.20	.24	.26	.18	.18	.20	.36	.46	.56	.58	.60	.60	.52	.34	.16	.22	.20	.20	.14	.24	.24	.30	.60
22	.16	.14	.14	.14	.16	.14	.16	.16	.18	.28	.56	.62	.74	.66	.60	.50	.40	.20	.14	.20	.48	.24	.24	.24	.44	.68
23	.18	.20	.18	.24	.52	.70	.56	.34	.60	.68	.72	.74	.66	.62	.60	.50	.40	.20	.14	.20	.22	.14	.22	.14	.40	.74
24	.20	.14	.18	.20	.20	.24	.20	.18	.26	.42	.50	.62	.62	.60	.56	.52	.46	.24	.14	.14	.26	.20	.22	.24	.30	.62
25	.26	.20	.22	.14	.16	.20	.18	.18	.24	.34	.46	.56	.62	.56	.52	.46	.24	.14	.14	.20	.22	.14	.16	.24	.30	.62
26	.28	.14	.16	.14	.14	.14	.14	.14	.14	.14	.24	.44	.64	.44	.30	.26	.18	.14	.14	.14	.20	.22	.24	.24	.30	.62
27	.12	.14	.14	.14	.22	.30	.18	.14	.24	.48	.64	.72	.74	.80	.74	.74	.76	.70	.60	.54	.54	.40	.24	.24	.44	.64
28	.32	.30	.18	.16	.16	.14	.14	.12	.22	.38	.48	.54	.66	.52	.54	.46	.34	.20	.20	.12	.22	.24	.14	.14	.30	.64
29	.18	.18	.20	.24	.14	.18	.12	.10	.20	.36	.42	.44	.48	.46	.44	.26	.12	.10	.10	.20	.14	.14	.20	.24	.44	.54
30	.16	.18	.22	.14	.12	.12	.14	.10	.18	.24	.44	.44	.52	.50	.44	.46	.24	.12	.04	.14	.14	.16	.20	.22	.24	.52
31	.20	.20	.16	.16	.14	.16	.14	.14	.14	.22	.34	.36	.46	.50	.46	.42	.24	.14	.10	.12	.16	.14	.14	.20	.22	.50
AV	.22	.22	.22	.20	.20	.22	.22	.20	.24	.40	.48	.56	.60	.54	.56	.50	.40	.26	.24	.24	.24	.24	.24	.24	.32	.52
90	.04	.04	.04	.06	.04	.12	.14	.08	.10	.12	.10	.10	.10	.12	.12	.12	.14	.20	.20	.14	.14	.12	.04	.04	.06	.14

SIGMA W (CC1211)

METERS/SECOND
LEVEL HEIGHT : 30 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 6
NOV, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 15/APR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.17	.15	.16	.15	.17	.17	.15	.15	.20	.30	.35	.51	.58	.53	.48	.32	.10	.09	.09	.18	.21	.21	.20	.17	.24	.58	
2	.14	.17	.16	.18	.20	.26	.14	.12	.15	.27	.37	.31	.42	.44	.42	.36	.23	.12	.12	.14	.17	.15	.17	.25	.23	.44	
3	.26	.18	.17	.16	.18	.21	.26	.15	.13	.22	.27	.38	.46	.41	.36	.22	.19	.15	.12	.15	.19	.17	.11	.14	.22	.46	
4	.18	.18	.16	.18	.24	.22	.22	.25	.27	.33	.40	.41	.57	.41	.26	.21	.15	.09	.09	.15	.20	.28	.16	.16	.24	.57	
5	.14	.15	.15	.15	.17	.18	.13	.14	.14	.25	.34	.45	.49	.51	.49	.44	.24	.13	.11	.15	.18	.22	.20	.24	.51		
6	.09	.17	.17	.17	.21	.18	.13	.13	.14	.27	.32	.35	.40	.44	.27	.12	.09	.12	.16	.11	.16	.14	.10	.21	.44		
7	.09	.10	.09	.11	.11	.10	.13	.14	.09	.19	.21	.31	.45	.45	.63	.66	.53	.44	.49	.31	.21	.21	.21	.27	.66		
8	.31	.24	.27	.44	.67	.57	.44	.52	.55	.51	.60	.66	.71	.78	.74	.71	.57	.44	.18	.24	.32	.38	.25	.36	.44	.78	
9	.26	.19	.18	.16	.18	.17	.11	.13	.17	.27	.39	.45	.49	.46	.39	.34	.15	.09	.11	.14	.14	.13	.16	.15	.23	.49	
10	.11	.09	.09	.11	.12	.11	.09	.04	.12	.26	.37	.52	.45	.48	.47	.34	.17	.14	.18	.19	.14	.14	.16	.15	.22	.52	
11	.24	.19	.15	.15	.14	.15	.14	.14	.14	.15	.21	.26	.25	.44	.38	.17	.13	.14	.19	.22	.28	.20	.16	.14	.20	.44	
12	.13	.13	.15	.15	.20	.24	.24	.30	.17	.22	.72	.86	.81	.79	.65	.81	.67	.59	.45	.57	.51	.45	.40	.35	.44	.62	
13	.20	.18	.29	.25	.36	.46	.43	.41	.54	.62	.59	.54	.59	.50	.47	.48	.41	.45	.57	.51	.45	.45	.40	.35	.44	.62	
14	.29	.21	.16	.14	.14	.18	.17	.24	.28	.42	.53	.55	.61	.64	.44	.43	.35	.34	.56	.49	.28	.18	.14	.13	.33	.64	
15	.18	.23	.24	.23	.17	.20	.23	.22	.27	.34	.44	.51	.51	.52	.36	.51	.46	.35	.23	.26	.32	.33	.35	.35	.33	.56	
16	.34	.28	.16	.18	.14	.18	.15	.14	.14	.25	.62	.64	.51	.53	.53	.44	.30	.23	.16	.17	.18	.27	.28	.23	.29	.64	
17	.17	.19	.20	.21	.22	.27	.33	.24	.29	.35	.47	.53	.62	.54	.54	.41	.21	.14	.16	.21	.21	.25	.19	.20	.30	.62	
18	.26	.21	.20	.20	.22	.23	.24	.19	.21	.32	.44	.48	.55	.60	.50	.44	.24	.14	.18	.20	.17	.21	.24	.23	.29	.60	
19	.19	.23	.20	.23	.24	.24	.19	.17	.18	.32	.35	.50	.56	.53	.47	.39	.18	.16	.15	.16	.25	.21	.19	.27	.27	.56	
20	.33	.21	.20	.24	.25	.23	.17	.16	.19	.32	.41	.46	.54	.60	.51	.39	.19	.15	.16	.33	.26	.21	.23	.22	.29	.60	
21	.20	.21	.24	.20	.23	.33	.25	.17	.18	.28	.47	.45	.54	.46	.44	.34	.20	.14	.17	.23	.15	.15	.18	.15	.26	.54	
22	.17	.16	.17	.17	.18	.15	.15	.16	.15	.21	.27	.34	.38	.35	.36	.39	.33	.27	.27	.27	.20	.20	.15	.15	.23	.39	
23	.15	.16	.22	.20	.20	.20	.16	.16	.19	.26	.40	.47	.47	.44	.36	.23	.15	.14	.14	.21	.42	.23	.14	.13	.24	.47	
24	.31	.14	.13	.15	.12	.12	.12	.12	.12	.12	.10	.12	.17	.18	.18	.14	.15	.43	.27	.35	.30	.22	.23	.27	.19	.43	
25	.23	.21	.21	.25	.20	.20	.16	.14	.15	.18	.19	.28	.37	.41	.33	.18	.15	.15	.16	.14	.21	.22	.23	.27	.19	.41	
26	.17	.18	.23	.19	.21	.29	.23	.21	.21	.22	.31	.35	.38	.41	.34	.24	.14	.14	.16	.16	.16	.16	.16	.23	.26	.41	
27	.25	.29	.21	.18	.18	.19	.16	.16	.14	.19	.24	.26	.32	.30	.23	.24	.17	.14	.14	.13	.13	.14	.16	.16	.20	.32	
28	.14	.12	.15	.16	.24	.20	.17	.15	.25	.28	.28	.26	.36	.35	.34	.24	.16	.14	.13	.14	.13	.13	.14	.16	.20	.36	
29	.14	.13	.12	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.14	.29
30	.14	.14	.14	.14	.13	.14	.15	.15	.16	.21	.17	.19	.21	.17	.30	.60	.46	.35	.25	.32	.40	.53	.42	.32	.24	.42	
AV	.20	.18	.18	.19	.21	.22	.19	.18	.20	.28	.37	.42	.47	.46	.43	.37	.25	.22	.21	.22	.24	.23	.22	.21	.26	.11	
SD	.07	.05	.05	.06	.10	.10	.08	.09	.10	.10	.14	.15	.14	.14	.13	.16	.15	.13	.13	.10	.11	.09	.13	.07	.07	.11	

SIGMA W ICC1211

METERS/SECOND

LEVEL HEIGHT 1 30 METERS

WHITE RIVER SHALE PROJECT.#139

BONARZA, UTAH

SITE 6

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	.22	.20	.18	.14	.16	.20	.26	.28	.26	.40	.38	.70	.58	.50	.46	.36	.22	.20	.18	.22	.24	.16	.20	.14	.24	.70
2	.14	.14	.14	.14	.14	.16	.14	.18	.20	.26	.34	.30	.32	.28	.24	.16	.14	.14	.12	.14	.16	.14	.16	.14	.14	.34
3	.14	.14	.14	.14	.14	.14	.14	.24	.18	.18	.20	.32	.28	.36	.38	.30	.62	.44	.36	.42	.42	.32	.18	.18	.14	.62
4	.18	.14	.16	.26	.22	.26	.26	.78	.80	.88	.92	.96	.94	.90	.84	.76	.68	.84	.40	.22	.36	.44	.64	.44	.24	.96
5	.30	.44	.56	.50	.22	.40	.22	.14	.16	.16	.24	.24	.34	.26	.26	.38	.30	.22	.14	.14	.16	.16	.14	.14	.24	.56
6	.14	.14	.14	.14	.12	.14	.12	.12	.12	.16	.20	.32	.44	.34	.20	.20	.20	.36	.28	.20	.16	.18	.14	.12	.20	.44
7	.14	.12	.14	.14	.14	.14	.14	.14	.14	.16	.20	.34	.26	.30	.40	.28	.18	.20	.44	.44	.24	.26	.26	.24	.20	.44
8	.26	.22	.32	.18	.14	.16	.14	.20	.22	.34	.46	.52	.54	.60	.54	.48	.24	.14	.16	.24	.24	.24	.26	.26	.32	.60
9	.28	.26	.20	.14	.12	.16	.14	.14	.14	.20	.44	.54	.48	.54	.50	.40	.18	.14	.20	.32	.24	.24	.20	.24	.24	.54
10	.22	.18	.20	.20	.20	.20	.26	.20	.16	.28	.36	.42	.54	.46	.42	.32	.18	.12	.14	.14	.18	.20	.18	.18	.24	.54
11	.24	.22	.20	.16	.16	.16	.16	.14	.14	.24	.40	.42	.48	.44	.44	.32	.18	.14	.14	.14	.18	.18	.18	.18	.24	.48
12	.18	.20	.22	.16	.18	.16	.14	.16	.18	.24	.36	.42	.48	.50	.40	.22	.14	.16	.14	.18	.14	.18	.18	.18	.24	.50
13	.20	.20	.18	.18	.18	.20	.20	.20	.16	.22	.34	.44	.44	.44	.42	.34	.16	.14	.18	.22	.18	.16	.16	.22	.24	.48
14	.26	.22	.20	.18	.16	.18	.28	.20	.18	.22	.38	.42	.44	.44	.42	.32	.20	.16	.14	.14	.14	.16	.16	.22	.24	.48
15	.20	.20	.18	.16	.16	.16	.16	.16	.16	.20	.24	.32	.38	.40	.40	.26	.16	.16	.20	.14	.14	.18	.20	.16	.22	.44
16	.14	.14	.16	.16	.16	.16	.20	.14	.14	.18	.26	.36	.38	.38	.34	.28	.18	.16	.14	.14	.14	.18	.20	.18	.22	.44
17	.18	.20	.18	.18	.20	.14	.14	.18	.14	.18	.28	.32	.44	.46	.34	.24	.18	.14	.14	.14	.16	.18	.20	.16	.22	.44
18	.16	.16	.16	.14	.14	.16	.14	.14	.14	.18	.26	.42	.46	.46	.44	.28	.16	.14	.14	.14	.14	.14	.14	.14	.16	.44
19	.18	.22	.20	.16	.20	.16	.16	.16	.16	.20	.28	.42	.46	.46	.44	.28	.16	.14	.14	.14	.14	.14	.14	.14	.14	.44
20	.18	.18	.18	.16	.14	.16	.16	.16	.14	.18	.30	.38	.30	.46	.46	.32	.20	.14	.14	.14	.16	.18	.14	.14	.14	.46
21	.16	.18	.20	.16	.14	.16	.20	.18	.14	.24	.36	.40	.34	.50	.46	.30	.16	.14	.14	.14	.16	.14	.14	.14	.14	.46
22	.14	.14	.18	.14	.20	.18	.20	.18	.18	.22	.34	.34	.50	.30	.18	.26	.32	.36	.20	.14	.14	.16	.14	.12	.14	.46
23	.14	.14	.16	.24	.32	.34	.24	.24	.22	.32	.42	.46	.52	.50	.46	.38	.20	.14	.24	.30	.32	.34	.32	.24	.24	.50
24	.20	.24	.24	.22	.18	.18	.20	.18	.18	.20	.28	.36	.32	.34	.32	.18	.14	.14	.14	.14	.14	.14	.14	.14	.14	.52
25	.14	.14	.16	.20	.16	.14	.16	.18	.14	.20	.28	.28	.34	.34	.24	.18	.14	.14	.12	.20	.20	.20	.20	.34	.20	.36
26	.32	.30	.30	.30	.18	.14	.16	.18	.16	.18	.26	.34	.40	.42	.34	.32	.22	.22	.14	.14	.14	.20	.18	.14	.20	.34
27	.18	.18	.18	.18	.14	.14	.16	.18	.16	.18	.24	.34	.42	.36	.34	.20	.14	.14	.14	.14	.14	.14	.14	.14	.14	.42
28	.18	.14	.16	.16	.14	.22	.16	.14	.18	.20	.30	.32	.40	.34	.28	.18	.14	.14	.16	.22	.14	.16	.14	.14	.14	.42
29	.20	.14	.20	.20	.20	.20	.24	.24	.24	.32	.44	.50	.54	.44	.34	.18	.14	.14	.16	.22	.14	.16	.22	.14	.14	.40
30	.14	.14	.20	.20	.18	.14	.14	.18	.20	.24	.36	.34	.34	.46	.44	.34	.20	.16	.14	.14	.14	.14	.14	.14	.14	.44
31	.24	.14	.14	.22	.16	.18	.22	.16	.12	.24	.24	.36	.46	.46	.40	.34	.18	.14	.14	.14	.14	.14	.14	.14	.14	.44
AV	.20	.20	.20	.16	.18	.14	.18	.20	.14	.24	.34	.40	.44	.40	.30	.22	.20	.20	.18	.20	.20	.20	.22	.20	.24	.14
SD	.04	.06	.08	.06	.04	.06	.04	.12	.12	.14	.12	.14	.12	.12	.10	.12	.14	.14	.04	.04	.06	.04	.10	.06	.04	.14

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
2	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
3	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
4	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
5	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()
6	-.06	-.06	-.06	-.06	-.05	-.06	-.05	-.06	-.05	-.01	.15	.16	.10	.05	-.01	-.09	-.15	-.12	-.10	-.10	-.07	-.06	-.07	-.07	-.04	.16
7	-.06	-.06	-.09	-.08	-.06	-.06	-.05	-.06	-.11	-.04	.09	.10	.07	.03	-.01	-.07	-.13	-.10	-.11	-.09	-.07	-.06	-.02	-.04	.10	
8	-.06	-.05	-.07	-.06	-.06	-.07	-.07	-.06	-.04	-.00	.04	.08	.11	.03	.00	-.03	-.05	-.08	-.06	-.09	-.09	-.03	-.08	-.04	.11	
9	-.11	-.10	-.09	-.06	-.05	-.08	-.06	-.06	-.05	-.03	.02	.07	.06	.05	.01	-.05	-.06	-.07	-.06	-.06	-.07	-.08	-.07	-.04	.07	
10	-.07	-.07	-.08	-.08	-.11	-.11	-.09	-.05	.12	.36	.44	.44	.44	.02	-.02	-.04	-.10	-.13	-.14	-.14	-.14	-.13	-.12	-.11	-.02	.44
11	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
12	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
13	-.07	-.07	-.07	-.07	-.06	-.06	-.06	-.05	.04	.18	.15	.10	.03	-.01	-.02	-.05	-.05	-.05	-.06	-.05	-.05	-.05	-.08	-.06	-.02	.18
14	-.05	-.06	-.05	-.06	-.06	-.05	-.05	-.04	-.02	.05	.07	.21	.22	.10	.22	.10	.02	-.05	-.07	-.07	-.06	-.08	-.06	-.08	-.02	.22
15	-.05	-.05	-.06	-.06	-.06	-.06	-.05	-.05	-.02	.19	.18	.21	.40	.23	.11	-.07	-.11	-.09	-.08	-.08	-.05	-.05	-.05	-.05	-.01	.40
16	-.05	-.05	-.05	-.05	-.05	-.05	-.05	-.05	.01	.05	.15	.29	.27	.17	.06	-.03	-.09	-.10	-.06	-.06	-.06	-.06	-.06	-.06	.00	.29
17	-.06	-.06	-.06	-.06	-.06	-.09	-.07	-.06	.00	.07	.10	.38	.18	.11	.07	-.01	-.06	-.07	-.07	-.07	-.08	-.06	-.06	-.06	.00	.38
18	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.04	-.01	.05	.23	.12	.14	.11	-.06	-.08	-.09	-.11	-.08	-.13	-.09	.04	-.02	.23	
19	-.01	-.08	-.09	-.11	-.02	-.08	-.07	-.07	-.05	.00	.07	.13	.09	.20	.14	-.01	-.08	.01	-.13	-.13	-.13	-.13	-.01	-.13	-.03	.20
20	-.03	-.10	.01	.02	-.08	-.10	-.08	-.06	-.04	.09	.26	.19	.12	.14	.22	.11	-.08	-.14	-.16	-.14	-.12	-.08	-.07	-.07	.00	.26
21	-.07	-.07	-.09	-.07	-.07	-.07	-.07	-.04	.00	.02	.06	.12	.12	.08	.03	-.04	-.08	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.03	.12
22	-.07	-.07	-.07	-.07	-.07	-.08	-.08	-.03	.03	.10	.22	.37	.40	.22	.10	-.08	-.15	-.14	-.14	-.13	-.12	-.11	-.11	-.01	.40	
23	-.11	-.10	-.10	-.09	-.09	-.09	-.08	-.08	-.02	.04	.22	.33	.30	.15	.14	.04	-.06	-.09	-.07	-.07	-.07	-.07	-.07	-.03	.00	.33
24	-.10	-.07	-.07	-.06	-.06	-.06	-.06	-.04	.04	.04	.08	.13	.14	.14	.14	.06	-.02	-.07	-.07	-.07	-.07	-.06	-.06	-.06	-.02	.14
25	-.04	.01	-.07	-.06	-.06	-.06	-.06	-.03	.02	.07	.13	.25	.34	.26	.13	-.06	-.07	-.14	-.13	-.08	-.11	-.11	-.08	-.00	.00	.34
26	-.09	-.10	-.11	-.10	-.08	-.11	-.12	-.12	.09	.32	.41	.42	.37	.27	.12	-.05	-.14	-.14	.00	-.13	-.13	-.05	-.11	-.02	.42	
27	-.09	-.08	-.09	-.07	-.09	-.10	-.10	-.11	-.08	.05	.10	.17	.28	.27	.06	.01	-.04	-.07	-.01	-.07	-.07	-.06	-.06	-.06	-.01	.28
28	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
29	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	()	()	
30	-.07	-.06	-.06	-.06	-.06	-.06	-.05	-.05	-.08	.07	.24	.23	.08	.01	-.02	-.12	-.16	-.13	-.10	-.09	-.08	-.08	-.08	-.04	.24	
31	-.08	-.07	-.07	-.07	-.07	-.02	-.07	-.07	-.10	.01	.17	.09	.09	-.03	-.04	-.04	-.06	-.07	.08	-.07	-.07	-.09	-.07	-.08	-.04	.17
AV	-.07	-.07	-.07	-.06	-.07	-.07	-.06	-.05	.03	.13	.19	.19	.16	.10	.02	-.07	-.09	-.08	-.09	-.08	-.08	-.07	-.07	-.07	-.02	()
SD	.02	.02	.02	.02	.02	.02	.04	.03	.04	.10	.11	.11	.13	.10	.07	.04	.04	.05	.03	.03	.03	.03	.03	.04	.02	()

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/H(MINUTE)

WHITE RIVER SMALE PROJECT, #139
BOMANZA, UTAH
SITE 6

FEB, 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-.06	-.06	-.05	-.08	-.08	-.07	-.07	-.04	-.08	.00	.18	.18	.11	.05	-.04	-.09	-.11	-.09	-.09	-.08	-.08	-.08	-.08	-.07	-.04	.18	
2	-.07	-.07	-.06	-.06	-.06	-.06	-.06	-.06	-.08	-.02	.22	.20	.09	.05	-.02	-.03	-.06	-.08	-.06	-.07	-.07	-.07	-.06	-.06	-.07	-.03	.22
3	-.07	-.06	-.06	-.07	-.08	-.08	-.08	-.08	-.08	.01	.06	.06	.11	.06	.03	-.02	-.05	-.08	-.08	-.09	-.07	-.06	-.07	-.05	-.04	.11	.06
4	-.05	-.09	-.07	-.09	-.07	-.07	-.05	-.06	-.12	.02	.20	.20	.13	.09	.00	-.09	-.13	-.12	-.10	-.09	-.07	-.06	-.06	-.06	-.03	.20	
5	-.06	-.06	-.06	-.06	-.06	-.05	-.01	-.05	-.03	.00	.14	.25	.14	.06	.01	-.09	-.12	-.13	-.10	-.09	-.07	-.06	-.05	-.06	-.02	.25	
6	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.05	-.03	.00	.02	.04	.07	.04	.02	-.01	-.04	-.05	.00	-.05	-.06	-.05	-.06	-.03	.07	.06	
7	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	
8	-.12	-.12	-.11	-.11	-.10	-.10	-.11	-.11	-.17	-.03	.18	.18	.21	.05	-.07	-.12	-.13	-.14	-.11	-.11	-.11	-.11	-.06	-.11	-.06	.21	
9	-.11	-.11	-.10	-.10	-.09	-.09	-.09	-.14	.03	.24	.22	.16	.09	.04	-.09	-.10	-.14	-.11	-.10	-.09	-.09	-.09	-.06	-.08	-.05	.24	
10	-.08	-.08	-.08	-.08	-.07	-.07	-.07	-.12	.01	.17	.13	.11	.06	.03	-.06	-.10	-.10	-.10	-.10	-.10	-.10	-.09	-.09	-.08	-.04	.17	
11	-.08	-.08	-.08	-.07	-.07	-.07	-.07	-.11	-.01	.27	.20	.16	.13	.02	-.05	-.12	-.13	-.11	-.10	-.09	-.09	-.08	-.11	-.03	-.03	.27	
12	-.08	-.07	-.07	-.07	-.07	-.06	-.06	-.06	.02	.05	.22	.08	.09	.15	.14	.09	.02	-.05	-.12	-.13	-.10	-.09	-.08	-.07	-.04	.15	
13	-.08	-.08	-.07	-.06	-.06	-.06	-.06	-.06	.02	.02	.05	.06	.05	.01	-.01	-.01	-.01	-.08	-.06	-.07	-.07	-.07	-.07	-.08	-.03	.22	
14	-.05	-.05	-.05	-.05	-.05	-.05	-.05	-.06	-.04	.07	.13	.06	.05	.01	-.01	-.01	-.01	-.04	-.06	-.06	-.07	-.07	-.07	-.08	-.03	.13	
15	-.07	-.07	-.09	-.06	-.06	-.06	-.06	-.06	.01	.04	.15	.23	.20	.11	.05	-.02	-.04	-.04	-.06	-.06	-.06	-.06	-.06	-.06	-.01	.23	
16	-.06	-.03	-.06	-.06	-.05	-.05	-.05	-.05	-.04	.00	.05	.10	.13	.13	.10	.05	-.02	-.05	-.06	-.06	-.06	-.06	-.06	-.06	-.01	.13	
17	-.06	-.05	-.05	-.05	-.05	-.05	-.05	-.05	-.06	.04	.09	.16	.26	.15	.16	.07	.03	-.08	-.06	-.07	-.07	-.03	-.06	-.07	-.00	.26	
18	-.07	-.05	-.05	-.05	-.05	-.05	-.05	-.05	.01	.08	.37	.22	.16	.11	-.02	-.01	-.02	-.04	-.05	-.05	-.05	-.05	-.05	-.05	-.01	.37	
19	-.08	-.07	-.05	-.07	-.10	-.10	-.06	-.02	.08	.35	.48	.58	.70	.58	.49	.15	.02	-.06	-.08	-.06	-.06	-.06	-.06	-.05	.10	.70	
20	-.05	-.05	-.05	-.05	-.05	-.05	-.05	-.04	.02	.04	.16	.23	.22	.47	.37	.16	.06	-.08	-.10	-.10	-.11	-.11	-.08	-.08	.03	.47	
21	-.06	-.05	-.06	-.05	-.08	-.08	-.08	-.03	.02	.34	.22	.17	.18	.18	.14	.06	-.06	-.05	-.09	-.06	-.05	-.05	-.05	-.05	.02	.34	
22	-.06	-.06	-.06	-.06	-.05	-.06	-.07	-.06	-.05	.23	.50	.65	.67	.53	.36	.26	.05	-.10	-.12	-.12	-.09	-.07	-.06	.01	.09	.67	
23	-.06	-.07	-.06	-.06	-.07	-.08	-.08	-.05	.21	.10	.20	.31	.66	.56	.43	.00	-.03	.00	-.09	-.13	-.12	-.12	-.12	-.10	.05	.66	
24	-.09	-.13	-.13	-.12	-.12	-.12	-.11	-.08	-.08	.29	.55	.66	.66	.59	.46	.28	.07	.05	-.15	-.14	-.14	-.14	-.10	-.16	.09	.66	
25	-.14	-.14	-.14	-.14	-.14	-.12	-.11	-.07	-.07	.55	.58	.58	.58	.49	.42	.27	.08	-.11	-.03	-.13	-.13	-.12	-.12	-.12	.09	.63	
26	-.11	-.03	-.05	-.10	-.10	-.10	-.09	-.05	.06	.35	.56	.59	.63	.59	.46	.27	.04	-.10	-.13	-.12	-.12	-.12	-.11	-.11	.09	.63	
27	-.10	-.10	-.01	-.05	-.03	-.09	-.08	-.05	-.09	.37	.65	.64	.58	.52	.44	.25	.10	-.06	-.14	-.14	-.13	-.12	-.08	-.09	.09	.65	
28	-.09	-.09	-.10	-.10	-.09	-.08	-.01	-.08	.44	.56	.59	.59	.48	.41	.14	.14	-.01	-.09	-.10	-.07	-.09	-.08	-.10	-.09	.04	.59	
29	-.11	-.12	-.09	-.10	-.10	-.11	-.11	-.05	.04	.25	.33	.26	.26	.31	.46	.08	.13	-.01	-.09	.03	.01	-.09	-.10	-.04	.04	.46	
AV	-.08	-.07	-.07	-.07	-.08	-.07	-.06	-.05	.13	.26	.29	.29	.24	.24	.17	.04	-.02	-.06	-.09	-.08	-.08	-.08	-.07	-.08	.01	.1	
30	.02	.03	.03	.02	.02	.02	.02	.07	.16	.19	.20	.23	.21	.20	.13	.08	.04	.03	.04	.03	.03	.03	.03	.03	.05	.1	

NET SOLAR RADIATION (SKY-GROUND) (CC1271)

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 6

MAR. 1980

AFROVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-13	-12	-11	-11	-09	-08	-11	-09	-15	-38	-57	-62	-63	-59	-40	-23	-09	-11	-14	-13	-13	-03	-13	-13	-07	-65
2	-13	-12	-01	-12	-11	-11	-09	-04	-06	-14	-24	-22	-47	-56	-39	-17	-07	-07	-12	-12	-11	-04	-10	-08	-04	-56
3	-07	-07	-07	-07	-08	-08	-08	-05	-01	-11	-06	-05	-22	-20	-24	-17	-03	-04	-11	-11	-09	-09	-0A	-08	-01	-24
4	-07	-06	-07	-11	-11	-11	-10	-04	-03	-09	-23	-44	-59	-48	-37	-44	-09	-09	-10	-14	-13	-13	-12	-12	-05	-59
5	-13	-12	-07	-10	-00	-09	-11	-05	-05	-21	-31	-37	-35	-28	-18	-06	-04	-01	-10	-10	-09	-09	-13	-09	-02	-37
6	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)
7	-06	-06	-05	-05	-05	-01	-05	-08	-12	-30	-24	-28	-40	-16	-35	-29	-17	-06	-11	-09	-08	-10	-10	-09	-04	-40
8	-09	-11	-13	-14	-14	-14	-14	-06	-12	-41	-63	-73	-76	-69	-49	-17	-09	-07	-10	-11	-11	-13	-14	-14	-09	-76
9	-14	-14	-14	-14	-14	-13	-13	-05	-18	-40	-62	-71	-79	-68	-57	-25	-09	-01	-14	-00	-14	-13	-13	-14	-04	-79
10	-13	-13	-13	-13	-13	-13	-13	-03	-13	-36	-60	-69	-68	-62	-42	-20	-11	-07	-14	-14	-14	-13	-13	-13	-04	-69
11	-12	-13	-13	-13	-13	-12	-03	-05	-02	-05	-33	-37	-35	-44	-29	-17	-00	-06	-08	-10	-10	-09	-10	-09	-02	-44
12	-07	-06	-06	-07	-08	-09	-11	-04	-03	-35	-62	-78	-85	-54	-42	-23	-07	-06	-15	-14	-14	-14	-14	-14	-10	-85
13	-14	-14	-14	-14	-11	-14	-13	-05	-11	-36	-60	-68	-69	-64	-51	-27	-06	-10	-12	-12	-12	-13	-12	-12	-09	-69
14	-12	-12	-12	-09	-12	-12	-12	-02	-10	-30	-54	-66	-69	-39	-26	-25	-11	-04	-13	-11	-11	-10	-10	-10	-07	-66
15	-11	-12	-12	-11	-10	-08	-07	-04	-01	-06	-16	-15	-09	-19	-22	-13	-06	-02	-04	-11	-09	-10	-07	-0A	-01	-22
16	-08	-10	-10	-09	-10	-11	-10	-02	-10	-35	-65	-65	-59	-30	-42	-37	-13	-06	-16	-15	-16	-16	-16	-15	-07	-65
17	-15	-15	-15	-05	-15	-14	-14	-04	-36	-46	-62	-67	-68	-52	-35	-31	-15	-07	-15	-15	-15	-16	-16	-15	-09	-6A
18	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)
19	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)
20	-18	-18	-18	-18	-18	-18	-17	-09	-13	-32	-54	-60	-57	-51	-36	-24	-05	-12	-07	-19	-19	-16	-18	-17	-03	-60
21	-17	-17	-17	-16	-16	-15	-15	-06	-07	-30	-48	-55	-55	-39	-30	-25	-07	-10	-13	-11	-13	-13	-13	-12	-03	-55
22	-01	-11	-13	-13	-14	-13	-11	-11	-02	-00	-19	-23	-19	-43	-23	-06	-11	-10	-16	-16	-12	-14	-15	-06	-01	-43
23	-14	-14	-14	-15	-13	-13	-15	-12	-13	-28	-53	-60	-52	-34	-43	-31	-06	-17	-15	-01	-13	-16	-17	-08	-04	-60
24	-16	-13	-13	-14	-14	-14	-12	-01	-03	-06	-08	-29	-34	-41	-22	-05	-01	-04	-14	-08	-12	-13	-14	-15	-01	-41
25	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)
26	-13	-13	-13	-13	-14	-15	-13	-10	-13	-27	-40	-64	-57	-68	-50	-17	-02	-08	-19	-19	-13	-20	-19	-19	-04	-68
27	-19	-07	-19	-19	-19	-19	-15	-02	-04	-43	-58	-67	-65	-51	-27	-11	-04	-08	-13	-14	-13	-12	-12	-12	-05	-67
28	-12	-02	-00	-12	-12	-12	-10	-09	-04	-11	-0A	-23	-31	-29	-24	-06	-06	-06	-15	-16	-16	-14	-15	-16	-02	-31
29	-14	-07	-15	-12	-16	-15	-11	-11	-04	-46	-4A	-49	-41	-65	-44	-2A	-09	-10	-20	-1A	-0A	-1A	-1A	-1A	-06	-65
30	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)
31	-17	-17	-13	-05	-16	-07	-16	-1A	-04	-21	-33	-62	-42	-57	-40	-26	-07	-09	-16	-15	-17	-17	-17	-17	-03	-62
AV	-12	-11	-11	-11	-12	-12	-12	-05	-05	-25	-42	-50	-51	-46	-36	-22	-06	-07	-13	-12	-13	-13	-13	-13	-04	-1
SU	-04	-04	-05	-05	-04	-04	-03	-05	-10	-15	-19	-21	-19	-15	-10	-09	-05	-04	-04	-05	-03	-04	-03	-04	-05	-1

NET SOLAR RADIATION (SKY-GROUND) (CC127)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT #139
BORANZA, UTAH
SITE 6

APR. 1980

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-15	-14	-13	-13	-14	-14	-11	-01	.04	.36	.18	.67	.32	.20	.46	.04	-.04	-.08	-.18	-.18	-.18	-.18	-.17	-.15	.01	.67	
2	-14	-13	-13	-13	-12	-12	-11	-09	-.03	.02	.06	.13	.09	.14	.21	.15	.04	-.03	-.14	-.15	-.18	-.18	-.18	-.18	-.18	-.05	.21
3	-17	-16	-16	-18	-15	-16	-13	.13	.06	.41	.51	.50	.39	.47	.28	.22	.02	-.01	-.14	-.16	-.17	-.16	-.14	-.13	.04	.51	
4	-13	-12	-14	-16	-17	-15	-11	.07	.01	.50	.62	.67	.63	.33	.15	.26	.10	.06	-.17	-.18	-.17	-.16	-.16	-.14	.04	.67	
5	-14	-14	-15	-14	-13	-13	-11	.00	.01	.09	.36	.52	.28	.47	.39	.08	-.04	-.10	-.13	-.13	-.14	-.11	-.15	-.14	.01	.52	
6	-13	-16	-19	-19	-18	-16	-11	.03	.04	.18	.40	.55	.36	.41	.27	.18	.05	.04	-.19	-.19	-.18	-.15	-.14	-.15	.01	.55	
7	-17	-14	-14	-12	-15	-19	-13	-.05	.11	.50	.67	.69	.48	.18	.34	.33	.08	-.01	-.20	-.20	-.19	-.18	-.19	-.18	.05	.69	
8	-18	-18	-18	-18	-18	-18	-12	.04	.18	.54	.63	.64	.66	.61	.50	.31	.05	.07	-.18	-.18	-.18	-.18	-.17	-.17	.04	.66	
9	-17	-16	-16	-16	-17	-16	-11	-.02	.18	.33	.56	.65	.48	.56	.30	.24	.04	-.04	-.18	-.16	-.14	-.15	-.16	-.16	.05	.65	
10	-14	-13	-13	-14	-17	-16	-13	.02	.17	.46	.65	.71	.67	.60	.56	.25	.07	-.06	-.07	-.19	-.19	-.16	-.20	-.17	.09	.71	
11	-16	-16	-16	-17	-17	-14	-10	-.03	.08	.42	.30	.16	.17	.14	.27	.12	.14	-.04	-.18	-.18	-.18	-.18	-.18	-.18	-.02	.02	
12	-18	-18	-18	-18	-18	-17	-11	.07	.17	.37	.54	.68	.39	.14	.09	.13	.09	-.05	-.18	-.19	-.18	-.18	-.18	-.18	-.01	.68	
13	-18	-18	-18	-18	-16	-17	-.02	.04	.20	.45	.63	.68	.65	.61	.45	.17	.04	-.05	-.20	.05	-.18	-.18	-.18	-.18	.04	.68	
14	-18	-18	-17	-17	-17	-17	-10	.06	.16	.46	.65	.66	.66	.54	.42	.17	.03	-.05	-.18	-.17	-.16	-.16	-.16	-.16	.07	.66	
15	-03	-17	-17	-17	-17	-16	-10	.03	.16	.41	.61	.63	.66	.57	.25	.16	.06	-.06	-.18	-.20	-.20	-.20	-.19	-.16	.04	.66	
16	-18	-15	-18	-18	-18	-17	-10	.01	.24	.39	.61	.59	.66	.58	.46	.28	.09	-.08	-.19	-.19	-.18	-.18	-.18	-.18	.07	.66	
17	-18	-18	-18	-18	-17	-17	-11	.00	.26	.39	.63	.66	.66	.60	.41	.18	.06	-.06	-.18	-.18	-.18	-.14	-.18	-.18	.07	.66	
18	-18	-18	-18	-18	-17	-17	-10	.04	.25	.38	.57	.67	.65	.47	.25	.03	.03	-.05	-.19	-.20	-.07	-.19	-.18	-.18	.07	.67	
19	-18	-17	-09	-17	-17	-01	-10	.07	.21	.41	.62	.65	.64	.59	.42	.33	.11	-.03	-.18	-.19	-.19	-.18	-.18	-.18	.04	.65	
20	-18	-17	-17	-17	-17	-17	-.09	.09	.25	.42	.61	.60	.53	.43	.45	.22	.05	-.06	-.18	-.15	-.19	-.19	-.18	-.17	.06	.61	
21	-17	-03	-17	-17	-17	-10	.04	.20	.30	.46	.64	.64	.64	.49	.03	.01	-.10	-.11	-.14	-.14	-.14	-.14	-.15	-.15	-.01	.60	
22	-07	-16	-15	-15	-15	-09	-.09	.05	.27	.33	.69	.57	.43	.24	.43	.31	.16	-.03	-.16	-.18	-.10	-.17	-.17	-.17	.07	.69	
23	-17	-16	-15	-15	-14	-14	-10	.01	.05	.28	.46	.56	.23	.63	.57	.31	.06	-.07	-.13	-.14	-.14	-.15	-.15	-.13	.05	.63	
24	-13	-15	-13	-12	-13	-12	-.09	-.01	.13	.10	.33	.16	-.03	-.06	.01	.00	-.07	-.13	-.15	-.16	-.16	-.17	-.17	-.17	-.05	.63	
25	-17	-17	-17	-19	-18	-17	-11	.07	.22	.64	.69	.69	.67	.61	.44	.35	.16	-.03	-.17	-.19	-.19	-.19	-.18	-.18	.09	.69	
26	-18	-18	-18	-18	-18	-17	-11	.07	.24	.37	.64	.64	.66	.59	.47	.35	.18	-.01	-.18	-.19	-.19	-.19	-.18	-.18	.04	.68	
27	-18	-18	-18	-17	-17	-15	-.08	.11	.24	.40	.62	.67	.66	.61	.52	.32	.12	-.04	-.18	-.18	-.18	-.18	-.16	-.15	.09	.67	
28	-16	-17	-17	-17	-17	-16	-.09	.10	.24	.37	.64	.70	.73	.69	.59	.40	.02	-.11	-.15	-.17	-.17	-.16	-.15	-.15	.10	.73	
29	-16	-16	-16	-14	-13	-13	-.08	.04	.19	.23	.31	.33	.33	.26	.47	-.07	-.08	-.09	-.12	-.13	-.14	-.14	-.13	-.14	.01	.47	
30	-14	-14	-14	-14	-14	-13	-10	-.03	.05	.05	.29	.49	-.03	-.02	.21	.22	.07	-.04	-.12	-.14	-.13	-.13	-.13	-.13	-.02	.49	
AV	-16	-16	-16	-16	-16	-15	-10	.03	.16	.35	.50	.57	.47	.42	.36	.21	.06	-.05	-.16	-.17	-.17	-.17	-.17	-.16	.04	.1	
SD	.03	.03	.02	.02	.02	.03	.02	.05	.09	.15	.18	.16	.21	.21	.16	.11	.04	.03	.03	.03	.03	.02	.02	.02	.04	.1	

NET SOLAR RADIATION (SKY-GROUND) ICC1271

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139

BOHANZA, UTAH

SITE 6

MAY, 1980

AEROSOL ENVIRONMENT INC.

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 *
 * FINAL DATA *
 * AS OF 15/APH/A1 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFRM
1	-12	-12	-12	-13	-11	-12	-06	06	31	29	65	67	24	40	16	-02	-01	-04	-09	-13	-14	-16	-16	-15	.05	.67
2	-13	-13	-14	-14	-15	-12	-06	10	32	39	70	80	61	78	60	14	15	-07	-14	-17	-17	-16	-17	-17	.12	.81
3	-15	-14	-14	-14	-14	-12	-06	02	04	44	69	70	72	71	50	26	20	-09	-13	-15	-15	-14	-15	-14	.10	.72
4	-13	-14	-13	-15	-17	-15	-11	05	25	25	65	72	74	67	57	38	22	-02	-13	-14	-13	-12	-12	-13	.11	.74
5	-14	-16	-15	-16	-14	-12	-04	11	38	33	56	74	67	72	23	03	19	-04	-12	-16	-17	-16	-15	-15	.09	.75
6	-14	-15	-16	-13	-13	-11	-05	18	35	36	47	75	69	-02	06	02	14	-01	-11	-13	-16	-14	-14	-14	.05	.75
7	-14	-13	-12	-13	-14	-11	-01	-04	31	31	12	-02	09	19	51	39	02	-11	-12	-12	-14	-14	-13	-14	.01	.51
8	-14	-15	-13	-12	-12	-12	-06	-02	02	28	72	81	47	21	50	37	18	-04	-11	-12	-15	-11	-13	-13	.04	.72
9	-14	-14	-13	-12	-17	-13	-01	13	32	27	53	56	24	27	15	06	-04	-10	-11	-14	-13	-15	-14	-14	.03	.56
10	-14	-14	-13	-13	-12	-11	-05	14	17	30	62	73	52	31	18	23	23	-05	-12	-16	-15	-14	-14	-14	.07	.73
11	-13	-12	-15	-15	-12	-11	-02	04	25	33	27	07	16	37	24	08	07	-09	-10	-14	-15	-13	-15	-16	.01	.37
12	-14	-16	-17	-15	-15	-11	-08	03	28	11	33	31	44	52	08	39	12	-07	-12	-13	-13	-13	-13	-13	.03	.52
13	-14	-15	-14	-13	-12	-11	-00	13	44	27	63	54	67	40	36	44	07	07	-13	-18	-17	-17	-17	-17	.09	.67
14	-17	-17	-17	-16	-17	-12	-03	10	31	32	52	29	38	36	32	27	14	02	-12	-15	-14	-15	-16	-17	.05	.52
15	-17	-16	-17	-17	-16	-13	-08	17	44	36	53	69	36	15	06	23	01	10	-09	-14	-14	-15	-13	-16	.05	.69
16	-17	-17	-17	-16	-16	-13	-01	12	39	29	71	59	31	16	22	34	04	00	-11	-12	-12	-13	-12	-13	.06	.71
17	-15	-16	-18	-18	-17	-15	-05	15	37	25	17	50	39	67	27	17	00	-01	-09	-16	-18	-18	-17	-17	.04	.67
18	-17	-17	-17	-16	-15	-11	-06	16	45	38	77	81	81	72	59	35	18	04	-13	-19	-18	-17	-17	-17	.14	.81
19	-17	-16	-16	-17	-17	-13	-09	13	39	31	66	74	71	72	52	40	22	02	-13	-17	-17	-15	-13	-16	.12	.74
20	-17	-17	-17	-17	-17	-14	-05	08	29	30	65	67	68	60	48	33	12	02	-11	-18	-18	-17	-17	-17	.09	.68
21	-17	-17	-17	-17	-16	-13	-07	10	39	25	70	74	74	67	54	35	17	04	-12	-18	-18	-18	-18	-18	.11	.74
22	-17	-17	-17	-17	-17	-13	-08	09	12	24	28	71	66	52	34	06	22	-04	-11	-14	-14	-14	-14	-14	.06	.71
23	-14	-16	-14	-16	-18	-14	-09	12	42	23	63	82	71	39	47	20	00	02	-10	-18	-17	-16	-17	-19	.08	.82
24	-19	-19	-19	-19	-19	-15	-08	13	31	24	52	80	66	53	-04	-01	-08	-07	-10	-18	-18	-15	-16	-16	.08	.80
25	-15	-16	-18	-15	-15	-11	-06	00	34	22	34	69	57	69	37	10	07	00	-10	-16	-18	-18	-18	-18	.05	.69
26	-18	-17	-17	-17	-17	-13	-07	14	44	35	74	77	77	74	60	40	17	08	-10	-17	-18	-18	-18	-18	.13	.77
27	-18	-18	-17	-17	-17	-13	-06	09	35	34	52	59	54	44	58	42	23	-07	-11	-19	-19	-18	-18	-18	.08	.59
28	-15	-15	-16	-16	-17	-13	-06	13	44	35	66	78	74	71	61	37	20	05	-14	-20	-18	-18	-16	-15	.13	.78
29	-15	-15	-14	-15	-15	-15	-04	-02	26	44	64	62	60	48	44	46	03	-02	-08	-18	-15	-17	-18	-16	.12	.82
30	-14	-14	-15	-16	-17	-13	-04	15	43	73	76	46	78	13	78	48	38	01	-04	-13	-21	-20	-05	-19	.10	.78
31	-18	-18	-18	-18	-18	-13	-03	14	46	40	63	77	75	48	23	21	26	16	-03	-17	-19	-18	-18	-17	.10	.77
AV	-15	-16	-15	-15	-15	-13	-05	09	32	32	56	61	57	48	37	25	12	-01	-11	-16	-15	-16	-16	-16	.08	.71
SD	.02	.02	.02	.02	.02	.01	.03	.06	.11	.10	.17	.21	.20	.22	.20	.15	.09	.06	.02	.02	.02	.04	.02	.02	.08	()

NET SOLAR RADIATION (SKY-GROUND) (CC1271)

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

LANGLEY/MINUTE

JUN. 1980

AEROVIRONMENT INC.

 * F I N A L U A T A *
 * A S O F 1 5 / A P R / 8 1 *
 * *****

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVF	PEAK	
1	-0.15	-0.17	-0.16	-0.16	-0.16	-0.11	-0.01	-0.13	-0.43	-0.40	-0.52	-0.28	-0.49	-0.41	-0.03	-0.01	-0.06	-0.05	-0.06	-0.13	-0.15	-0.17	-0.17	-0.17	-0.17	-0.04	-0.52
2	-0.17	-0.16	-0.16	-0.16	-0.15	-0.10	0.00	-0.17	-0.45	-0.43	-0.35	-0.43	-0.49	-0.40	-0.57	-0.44	-0.22	-0.03	-0.09	-0.19	-0.18	-0.18	-0.17	-0.17	-0.17	-0.09	-0.57
3	-0.17	-0.17	-0.17	-0.16	-0.16	-0.12	-0.02	-0.14	-0.43	-0.39	-0.36	-0.56	-0.74	-0.68	-0.56	-0.41	-0.21	-0.04	-0.12	-0.20	-0.19	-0.18	-0.18	-0.18	-0.18	-0.12	-0.76
4	-0.17	-0.17	-0.17	-0.17	-0.17	-0.12	-0.02	-0.14	-0.45	-0.38	-0.66	-0.68	-0.73	-0.69	-0.55	-0.47	-0.30	-0.12	-0.09	-0.19	-0.19	-0.19	-0.18	-0.18	-0.18	-0.14	-0.73
5	-0.18	-0.18	-0.17	-0.17	-0.17	-0.13	0.03	-0.19	-0.34	-0.49	-0.64	-0.68	-0.65	-0.54	-0.59	-0.46	-0.28	-0.12	-0.09	-0.19	-0.19	-0.19	-0.18	-0.18	-0.18	-0.12	-0.68
6	-0.18	-0.18	-0.17	-0.17	-0.17	-0.13	0.02	-0.21	-0.36	-0.54	-0.65	-0.72	-0.63	-0.58	-0.45	-0.13	-0.06	-0.06	-0.16	-0.18	-0.18	-0.17	-0.17	-0.17	-0.17	-0.13	-0.72
7	-0.17	-0.17	-0.17	-0.17	-0.16	-0.12	0.03	-0.20	-0.35	-0.48	-0.58	-0.62	-0.66	-0.60	-0.51	-0.40	-0.25	-0.09	-0.09	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.12	-0.66
8	-0.18	-0.17	-0.17	-0.17	-0.17	-0.12	0.03	-0.18	-0.34	-0.49	-0.59	-0.63	-0.60	-0.61	-0.42	-0.34	-0.18	-0.05	-0.10	-0.18	-0.17	-0.17	-0.18	-0.18	-0.18	-0.10	-0.63
9	-0.17	-0.17	-0.17	-0.17	-0.17	-0.12	0.03	-0.19	-0.35	-0.49	-0.57	-0.63	-0.59	-0.51	-0.39	-0.25	-0.09	-0.10	-0.19	-0.19	-0.19	-0.18	-0.18	-0.18	-0.18	-0.11	-0.63
10	-0.18	-0.17	-0.17	-0.18	-0.17	-0.12	0.03	-0.19	-0.34	-0.48	-0.57	-0.61	-0.65	-0.64	-0.56	-0.44	-0.31	-0.13	-0.09	-0.20	-0.20	-0.20	-0.19	-0.18	-0.18	-0.12	-0.65
11	-0.18	-0.17	-0.17	-0.17	-0.17	-0.12	0.03	-0.18	-0.33	-0.49	-0.63	-0.70	-0.70	-0.64	-0.56	-0.44	-0.28	-0.11	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.13	-0.70
12	-0.19	-0.19	-0.18	-0.18	-0.18	-0.13	0.03	-0.20	-0.37	-0.52	-0.63	-0.68	-0.69	-0.65	-0.57	-0.45	-0.24	-0.12	-0.10	-0.20	-0.21	-0.20	-0.19	-0.19	-0.19	-0.13	-0.69
13	-0.18	-0.18	-0.18	-0.18	-0.18	-0.13	0.02	-0.18	-0.34	-0.48	-0.63	-0.70	-0.71	-0.65	-0.57	-0.44	-0.29	-0.11	-0.11	-0.21	-0.21	-0.20	-0.19	-0.19	-0.19	-0.12	-0.71
14	-0.19	-0.19	-0.18	-0.18	-0.18	-0.13	0.02	-0.17	-0.35	-0.48	-0.62	-0.68	-0.65	-0.56	-0.44	-0.25	-0.11	-0.10	-0.19	-0.19	-0.18	-0.18	-0.18	-0.18	-0.18	-0.12	-0.70
15	-0.18	-0.18	-0.17	-0.17	-0.17	-0.13	0.03	-0.19	-0.36	-0.48	-0.58	-0.65	-0.65	-0.61	-0.54	-0.43	-0.28	-0.12	-0.09	-0.19	-0.19	-0.18	-0.18	-0.17	-0.17	-0.12	-0.65
16	-0.17	-0.17	-0.17	-0.17	-0.17	-0.12	0.03	-0.19	-0.35	-0.48	-0.58	-0.63	-0.61	-0.62	-0.52	-0.41	-0.21	-0.08	-0.11	-0.18	-0.19	-0.18	-0.18	-0.17	-0.17	-0.11	-0.63
17	-0.17	-0.16	-0.15	-0.16	-0.17	-0.12	0.03	-0.14	-0.35	-0.47	-0.56	-0.57	-0.63	-0.55	-0.52	-0.22	-0.01	-0.06	-0.11	-0.16	-0.18	-0.18	-0.18	-0.16	-0.16	-0.09	-0.63
18	-0.16	-0.16	-0.16	-0.16	-0.16	-0.10	0.03	-0.19	-0.33	-0.47	-0.55	-0.52	-0.67	-0.34	-0.47	-0.14	-0.10	-0.08	-0.10	-0.14	-0.15	-0.18	-0.17	-0.16	-0.16	-0.04	-0.67
19	-0.15	-0.14	-0.14	-0.16	-0.16	-0.14	-0.06	-0.20	-0.18	-0.19	-0.33	-0.61	-0.65	-0.61	-0.54	-0.42	-0.18	-0.11	-0.09	-0.15	-0.18	-0.18	-0.18	-0.17	-0.17	-0.10	-0.65
20	-0.17	-0.16	-0.16	-0.16	-0.16	-0.12	0.02	-0.18	-0.32	-0.45	-0.55	-0.61	-0.22	-0.74	-0.49	-0.42	-0.28	-0.09	-0.09	-0.18	-0.20	-0.19	-0.18	-0.16	-0.16	-0.10	-0.74
21	-0.17	-0.17	-0.17	-0.17	-0.16	-0.12	0.03	-0.12	-0.28	-0.44	-0.55	-0.55	-0.60	-0.62	-0.54	-0.42	-0.27	-0.11	-0.10	-0.20	-0.19	-0.19	-0.18	-0.17	-0.17	-0.10	-0.62
22	-0.17	-0.15	-0.15	-0.16	-0.17	-0.12	0.02	-0.17	-0.32	-0.45	-0.54	-0.59	-0.60	-0.56	-0.52	-0.41	-0.27	-0.03	-0.09	-0.21	-0.21	-0.20	-0.19	-0.18	-0.18	-0.10	-0.60
23	-0.18	-0.19	-0.19	-0.19	-0.18	-0.14	0.02	-0.19	-0.37	-0.52	-0.62	-0.58	-0.69	-0.63	-0.58	-0.44	-0.28	-0.11	-0.09	-0.20	-0.20	-0.19	-0.18	-0.18	-0.18	-0.12	-0.69
24	-0.17	-0.17	-0.17	-0.17	-0.17	-0.13	0.02	-0.19	-0.33	-0.44	-0.54	-0.63	-0.67	-0.60	-0.52	-0.40	-0.25	-0.09	-0.09	-0.23	-0.22	-0.21	-0.21	-0.21	-0.21	-0.11	-0.67
25	-0.20	-0.20	-0.19	-0.19	-0.19	-0.12	0.03	-0.19	-0.33	-0.45	-0.60	-0.65	-0.68	-0.64	-0.55	-0.44	-0.29	-0.11	-0.08	-0.20	-0.20	-0.19	-0.18	-0.18	-0.18	-0.12	-0.68
26	-0.17	-0.17	-0.17	-0.17	-0.16	-0.12	0.03	-0.18	-0.34	-0.51	-0.62	-0.67	-0.68	-0.64	-0.56	-0.44	-0.28	-0.12	-0.09	-0.20	-0.20	-0.19	-0.19	-0.18	-0.18	-0.13	-0.68
27	-0.18	-0.18	-0.18	-0.18	-0.18	-0.14	0.02	-0.18	-0.33	-0.45	-0.55	-0.62	-0.65	-0.61	-0.53	-0.42	-0.28	-0.12	-0.08	-0.20	-0.19	-0.19	-0.18	-0.18	-0.18	-0.11	-0.65
28	-0.18	-0.19	-0.18	-0.17	-0.18	-0.13	0.01	-0.18	-0.34	-0.45	-0.53	-0.60	-0.62	-0.58	-0.51	-0.39	-0.26	-0.09	-0.09	-0.19	-0.19	-0.18	-0.18	-0.17	-0.17	-0.11	-0.62
29	-0.17	-0.17	-0.15	-0.13	-0.16	-0.12	-0.01	-0.15	-0.32	-0.43	-0.54	-0.55	-0.60	-0.22	-0.13	-0.25	-0.04	-0.06	-0.11	-0.14	-0.14	-0.16	-0.15	-0.16	-0.16	-0.06	-0.60
30	-0.15	-0.13	-0.14	-0.14	-0.13	-0.11	-0.08	-0.01	-0.02	-0.02	-0.46	-0.41	-0.54	-0.58	-0.44	-0.36	-0.24	-0.08	-0.15	-0.15	-0.14	-0.13	-0.12	-0.12	-0.12	-0.06	-0.58
AV	-0.17	-0.17	-0.17	-0.17	-0.17	-0.12	0.01	-0.17	-0.34	-0.45	-0.57	-0.61	-0.63	-0.58	-0.51	-0.38	-0.23	-0.07	-0.10	-0.18	-0.19	-0.18	-0.18	-0.18	-0.18	-0.11	-0.61
SD	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.04	0.08	0.10	0.06	0.09	0.10	0.11	0.12	0.10	0.08	0.06	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.11

NET SOLAR RADIATION (SKY-GROUND) ICC1271
 LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6
 JUL, 1980
 AEROSOL ENVIRONMENT INC.

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 *
 * FINAL DATA
 * AS OF 15/APR/81
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CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	-12	-12	-12	-13	-14	-09	-02	.28	.48	.35	.22	.30	.74	.45	.07	.06	.23	-.05	-.09	-.12	-.12	-.11	-.11	-.11	.07	.74
2	-12	-11	-11	-11	-08	-10	-07	.01	.20	.20	.65	.57	.38	.15	.54	.03	.24	.07	-.06	-.13	-.15	-.15	-.15	-.15	.04	.65
3	-15	-15	-15	-12	-14	-11	.00	.21	.38	.53	.57	.65	.25	.57	.48	.13	.29	.21	-.06	-.16	-.16	-.16	-.17	-.16	.11	.45
4	-16	-15	-16	-16	-16	-12	.04	.20	.35	.50	.55	.65	.66	.63	.55	.42	.29	.13	-.07	-.19	-.19	-.18	-.18	-.18	.13	.66
5	-17	-17	-17	-17	-16	-13	.03	.19	.35	.48	.58	.63	.65	.57	.45	.30	.13	-.07	-.19	-.19	-.19	-.19	-.19	-.18	.13	.65
6	-18	-18	-17	-17	-17	-13	.02	.19	.33	.45	.55	.60	.62	.59	.40	.21	.08	.00	-.09	-.15	-.15	-.14	-.15	-.15	.09	.62
7	-15	-15	-16	-16	-15	-10	.02	.06	.26	.23	.28	.44	.18	.42	.26	.14	.04	-.07	-.10	-.12	-.13	-.12	-.12	-.12	.01	.44
8	-15	-15	-15	-15	-15	-12	.03	.19	.37	.47	.51	.57	.54	.22	.61	.42	.18	-.03	-.12	-.15	-.14	-.16	-.15	-.15	.01	.61
9	-15	-15	-15	-15	-15	-12	.03	.18	.34	.47	.56	.60	.58	.66	.52	.29	.18	.05	-.07	-.16	-.16	-.17	-.15	-.15	.11	.66
10	-16	-16	-16	-16	-16	-12	.02	.18	.32	.43	.54	.60	.32	.41	.14	.12	.13	-.07	-.11	-.13	-.14	-.15	-.14	-.14	.06	.60
11	-15	-15	-15	-15	-14	-09	.02	.20	.34	.23	.48	.42	.60	.42	.15	.21	.30	.14	-.14	-.16	-.16	-.16	-.16	-.16	.07	.60
12	-16	-16	-15	-13	-13	-11	-.05	.17	.11	.26	.18	.03	.32	.37	.56	.50	.22	.05	-.10	-.13	-.13	-.13	-.13	-.12	.05	.56
13	-14	-13	-13	-12	-11	-10	-.07	.06	.25	.50	.36	.33	.40	.23	.09	.10	.13	.06	.00	-.13	-.16	-.15	-.16	-.14	.04	.50
14	-14	-14	-13	-14	-15	-12	.01	.17	.34	.47	.51	.70	.81	.71	.60	.39	.31	.14	-.09	-.18	-.18	-.17	-.16	-.17	.14	.81
15	-16	-17	-17	-16	-16	-14	.01	.16	.30	.44	.55	.61	.62	.59	.53	.42	.28	.12	-.07	-.18	-.18	-.17	-.16	-.16	.11	.62
16	-16	-16	-16	-16	-16	-13	.01	.16	.31	.45	.53	.57	.60	.59	.51	.38	.24	.09	-.08	-.18	-.17	-.17	-.17	-.17	.11	.60
17	-17	-16	-16	-16	-16	-14	.00	.16	.30	.44	.53	.58	.59	.58	.46	.37	.24	.00	-.08	-.16	-.17	-.16	-.17	-.16	.10	.59
18	-15	-15	-16	-16	-16	-14	.00	.14	.29	.41	.53	.59	.60	.60	.53	.47	.24	.01	-.09	-.18	-.17	-.16	-.14	-.15	.11	.60
19	-16	-16	-13	-13	-13	-12	-.07	.14	.30	.44	.54	.62	.27	.43	.51	.22	.19	.05	-.04	-.15	-.17	-.17	-.17	-.17	.04	.62
20	-17	-16	-16	-16	-16	-14	.00	.15	.31	.43	.52	.57	.57	.57	.50	.39	.24	.09	-.08	-.18	-.17	-.17	-.17	-.16	.10	.57
21	-16	-16	-16	-16	-16	-14	.01	.15	.32	.44	.52	.57	.59	.57	.51	.39	.25	.09	-.08	-.18	-.18	-.17	-.17	-.17	.10	.59
22	-16	-16	-16	-16	-15	-14	.01	.15	.29	.43	.52	.58	.61	.58	.50	.38	.25	-.01	-.11	-.17	-.18	-.18	-.14	-.14	.10	.61
23	-14	-14	-15	-15	-15	-13	-.01	.13	.23	.42	.37	.55	.57	.58	-.01	-.02	.02	.04	-.07	-.14	-.15	-.15	-.15	-.14	.05	.54
24	-14	-14	-13	-13	-12	-11	.01	.10	.29	.46	.56	.61	.63	.32	.32	.21	.21	-.04	.02	-.14	-.15	-.15	-.15	-.15	.09	.43
25	-15	-15	-15	-14	-14	-13	.01	.14	.32	.61	.54	.64	.64	.64	.58	.48	.37	.18	.04	-.08	-.17	-.17	-.17	-.16	.11	.64
26	-16	-16	-16	-16	-16	-14	.00	.16	.29	.44	.53	.59	.60	.58	.48	.37	.18	.04	-.08	-.17	-.17	-.16	-.16	-.16	.10	.60
27	-16	-16	-16	-16	-16	-16	-.01	.15	.29	.44	.54	.59	.59	.56	.50	.35	.28	.06	-.10	-.18	-.18	-.17	-.17	-.17	.10	.59
28	-17	-16	-16	-16	-16	-14	-.02	.13	.29	.41	.51	.58	.60	.58	.50	.38	.23	.06	-.10	-.19	-.18	-.18	-.18	-.17	.10	.60
29	-16	-16	-15	-15	-15	-14	.01	.13	.29	.41	.49	.60	.34	.39	.34	.08	-.08	-.08	-.11	-.14	-.13	-.14	-.13	-.13	.05	.60
30	-14	-14	-15	-15	-15	-13	-.02	.13	.29	.42	.52	.54	.61	.49	.47	.37	.14	.10	-.08	-.17	-.17	-.17	-.16	-.16	.10	.61
31	-16	-16	-16	-16	-16	-14	-.03	.13	.28	.38	.35	.41	.52	.53	.46	.37	.07	-.03	-.12	-.14	-.15	-.14	-.13	-.16	.10	.53
AV	-15	-15	-15	-15	-15	-12	.00	.15	.30	.42	.49	.54	.54	.50	.43	.27	.19	.05	-.08	-.16	-.16	-.16	-.15	-.15	.09	1
90	.01	.02	.01	.02	.02	.03	.03	.05	.07	.09	.11	.14	.13	.15	.17	.15	.10	.07	.03	.02	.02	.02	.02	.02	.03	1

NET SOLAR RADIATION (SKY-GROUND) 1CC1271

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT #119
 BONARZA, UTAH
 SITE 6

AUG. 1980

AEROSYSTEMS INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-15	-15	-15	-13	-13	-13	-02	00	-02	24	52	57	61	38	27	32	17	-07	-11	-14	-16	-15	-14	-13	05	61
2	-15	-15	-15	-16	-14	-03	-03	-03	32	44	52	59	62	61	52	39	26	10	-12	-19	-18	-18	-18	-19	07	62
3	-17	-16	-16	-17	-16	-13	-03	12	17	32	27	65	72	48	42	27	27	02	08	-18	-19	-19	-18	-17	10	72
4	-16	-16	-16	-16	-14	-03	02	30	45	54	54	58	61	58	50	38	23	07	10	-19	-18	-17	-16	-16	10	61
5	-16	-14	-13	-14	-13	-07	08	27	41	50	54	59	57	00	34	26	08	-10	-17	-17	-17	-16	-16	-16	08	59
6	-15	-15	-15	-15	-14	-03	12	27	43	34	53	58	60	52	36	23	05	-11	-18	-17	-17	-17	-16	-15	09	60
7	-15	-14	-15	-15	-14	-03	13	27	40	50	54	56	53	45	33	20	06	11	-17	-17	-17	-17	-16	-14	09	56
8	-15	-16	-15	-15	-15	-03	13	28	39	49	55	58	57	51	34	21	06	-16	-16	-14	-13	-13	-13	10	58	
9	-14	-15	-15	-15	-13	-05	13	30	43	53	59	58	58	27	35	21	06	-12	-17	-17	-17	-16	-15	09	59	
10	-14	-15	-15	-15	-14	-04	12	27	39	49	54	60	57	49	37	22	05	-13	-19	-18	-17	-17	-17	09	60	
11	-16	-16	-16	-16	-16	-15	-05	12	27	39	49	54	57	51	45	33	19	02	-14	-18	-18	-17	-17	04	57	
12	-16	-16	-16	-15	-15	-14	-01	10	27	44	35	49	54	56	43	30	11	-12	-03	-13	-15	-14	-15	03	59	
13	-13	-15	-14	-14	-14	-13	-04	10	25	39	49	54	56	51	-07	-11	-08	-11	-12	-12	-12	-12	-13	04	56	
14	-12	-12	-13	-13	-12	-13	-04	13	26	43	49	55	55	55	47	52	35	19	-03	-12	-12	-11	-11	10	55	
15	-11	-10	-10	-11	-12	-11	-09	01	32	49	20	-04	46	45	34	01	-09	-08	-13	-14	-15	-15	-15	04	49	
16	-14	-15	-14	-14	-13	-14	-03	15	31	47	57	54	63	59	45	38	22	04	-12	-16	-16	-13	-15	11	63	
17	-15	-15	-15	-15	-14	-05	12	28	42	47	55	59	45	30	32	02	06	-12	-16	-14	-14	-15	-15	04	59	
18	-14	-15	-15	-15	-14	-05	10	27	43	57	50	68	59	54	39	23	04	-14	-18	-17	-17	-16	-16	10	68	
19	-16	-16	-16	-16	-16	-16	-07	12	30	41	24	41	24	07	04	-06	08	-03	-10	-13	-15	-16	-15	00	41	
20	-15	-15	-15	-15	-15	-06	12	28	42	52	59	61	57	48	35	18	02	15	-17	-17	-16	-15	-15	09	41	
21	-16	-15	-15	-15	-15	-07	10	26	40	51	55	57	55	47	34	18	00	-15	-17	-17	-16	-16	-16	08	57	
22	-16	-16	-15	-15	-14	-07	10	25	39	48	44	30	29	31	19	08	04	-14	-16	-16	-15	-15	-11	04	48	
23	-12	-12	-11	-12	-10	-11	-07	09	28	30	09	21	37	43	36	03	27	40	-05	-08	-06	-08	-10	07	43	
24	-10	-11	-12	-12	-11	-11	-08	08	20	26	53	61	54	33	23	24	24	04	11	-11	-12	-11	-12	07	61	
25	-13	-13	-14	-13	-13	-12	-06	17	15	18	-05	-05	01	27	66	-02	-07	07	-14	-14	-14	-14	-13	-02	66	
26	-12	-11	-11	-11	-10	-00	18	32	49	61	64	67	62	54	15	07	03	-10	-13	-13	-13	-14	-15	12	67	
27	-15	-14	-14	-14	-14	-07	12	29	45	55	60	62	44	43	38	20	-02	10	-14	-15	-15	-14	-14	10	42	
28	-15	-16	-15	-15	-15	-08	10	27	40	52	60	64	60	51	36	20	01	-15	-17	-16	-15	-15	-15	09	64	
29	-15	-14	-15	-14	-14	-09	-01	09	24	49	48	57	55	50	31	08	-06	-14	-17	-17	-17	-16	-16	05	57	
30	-15	-15	-13	-13	-13	-12	-08	00	07	31	25	29	43	39	09	35	19	-06	-12	-16	-16	-16	-16	02	43	
31	-15	-15	-15	-15	-14	-13	-09	02	12	18	33	54	57	57	38	31	12	-02	-15	-16	-16	-16	-16	04	59	
AV	-14	-14	-14	-14	-14	-13	-05	09	28	38	43	49	53	49	37	27	15	03	-12	-16	-15	-15	-15	07	11	
SD	-02	-02	-02	-01	-02	-01	-02	-05	08	08	15	17	15	12	14	11	08	02	-03	-03	-02	-02	-02	03	11	

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-15	-15	-15	-15	-15	-14	-09	07	23	38	49	52	56	53	43	31	14	-03	-16	-16	-16	-16	-15	-15	.07	56
2	-14	-15	-15	-15	-14	-08	08	08	24	36	48	52	56	53	46	33	16	-02	-16	-16	-16	-15	-14	-14	.0A	56
3	-14	-15	-14	-14	-14	-08	08	08	22	36	48	54	55	52	44	32	15	-03	-16	-07	-09	-17	-17	-15	.0A	55
4	-14	-14	-14	-14	-14	-09	08	08	23	36	46	52	54	50	42	29	13	-04	-17	-16	-15	-15	-15	-15	.07	54
5	-14	-14	-14	-14	-14	-08	06	01	21	31	44	47	50	36	30	50	13	-05	-16	-15	-15	-14	-14	-14	.05	50
6	-12	-13	-13	-12	-11	-08	01	23	40	49	61	58	50	39	35	14	06	-12	-15	-13	-11	-12	-13	-13	.09	61
7	-13	-14	-12	-13	-13	-08	-02	05	-04	14	17	17	18	23	-04	-03	-03	-09	-13	-11	-11	-08	-10	-10	.01	23
8	-05	-09	-09	-07	-09	-04	04	-01	-02	08	06	40	65	44	44	05	-07	-11	-11	-10	-10	-10	-12	-12	.03	6A
9	-12	-12	-11	-11	-10	-11	-08	-02	25	23	15	03	09	20	19	03	-01	-07	-10	-10	-10	-09	-09	-09	.01	2A
10	-09	-09	-09	-09	-09	-08	-02	17	18	01	00	09	24	40	23	-01	-04	-12	-13	-12	-14	-14	-14	-14	.01	40
11	-12	-11	-13	-13	-13	-12	-03	06	28	35	62	46	64	51	44	25	03	-05	-10	-12	-13	-14	-14	-14	.09	6A
12	-14	-14	-13	-13	-13	-12	-07	05	26	42	46	57	58	53	44	19	05	-10	-11	-12	-14	-14	-13	-11	.0A	5A
13	-11	-12	-11	-13	-13	-13	-0A	0A	25	39	49	60	61	56	46	31	13	-0A	-16	-16	-15	-15	-15	-15	.09	61
14	-15	-15	-14	-14	-14	-14	-10	05	32	45	53	52	40	50	34	09	11	-09	-16	-16	-16	-15	-15	-15	.06	53
15	-14	-15	-14	-14	-14	-14	-09	06	36	40	48	51	55	51	30	26	11	-08	-14	-14	-14	-13	-12	-12	.07	55
16	-12	-12	-12	-12	-13	-14	-11	05	21	36	49	54	56	51	41	24	10	-09	-17	-16	-16	-16	-16	-16	.07	56
17	-15	-15	-15	-15	-15	-15	-12	05	21	35	47	52	54	50	40	25	09	-09	-16	-16	-15	-15	-15	-15	.06	54
18	-15	-15	-14	-14	-14	-14	-11	05	20	33	44	47	30	46	41	23	-03	-10	-14	-14	-14	-14	-14	-13	.0A	47
19	-13	-14	-14	-13	-14	-14	-10	08	13	18	20	20	44	45	05	-10	-10	-10	-11	-12	-11	-11	-11	-11	.01	45
20	-13	-14	-14	-14	-14	-14	-11	04	20	32	43	49	49	46	36	22	0A	-11	-16	-16	-16	-15	-15	-13	.05	49
21	-14	-15	-15	-15	-14	-14	-11	04	19	34	48	53	51	50	42	13	-08	-10	-14	-15	-15	-15	-15	-15	.0A	50
22	-15	-15	-15	-15	-15	-15	-12	06	20	33	43	45	50	46	34	21	04	-13	-17	-16	-16	-15	-15	-15	.0A	50
23	-15	-15	-14	-14	-14	-14	-12	03	18	31	42	45	49	44	34	20	03	-13	-16	-16	-15	-15	-15	-15	.0A	49
24	-15	-15	-15	-15	-15	-15	-12	03	18	31	43	44	51	46	35	20	03	-13	-16	-16	-15	-15	-15	-15	.0A	49
25	-15	-15	-14	-14	-14	-14	-12	03	19	31	41	47	47	42	34	19	03	-14	-16	-15	-15	-15	-15	-15	.03	47
26	-14	-14	-14	-14	-14	-14	-12	03	17	26	38	47	47	41	32	14	03	-13	-16	-15	-15	-15	-15	-14	.03	47
27	-14	-14	-14	-14	-13	-13	-09	03	18	26	40	44	45	41	31	17	02	-14	-16	-15	-14	-14	-14	-14	.03	45
28	-14	-14	-14	-13	-13	-13	-12	02	17	29	38	43	44	41	33	16	-02	-11	-15	-15	-14	-15	-14	-14	.03	44
29	-14	-14	-14	-14	-14	-14	-13	02	16	27	38	41	45	41	30	16	01	-15	-16	-15	-15	-15	-15	-14	.02	45
30	-14	-14	-14	-14	-14	-14	-12	01	16	27	36	41	43	39	29	15	00	-15	-16	-15	-15	-14	-14	-15	.02	43
AV	-13	-14	-13	-13	-13	-13	-10	04	20	30	40	43	46	46	36	20	05	-09	-14	-14	-14	-14	-14	-14	.04	1
SD	02	02	02	02	02	02	02	03	07	11	14	16	14	09	09	10	07	04	02	02	02	02	02	02	03	1

NET SOLAR RADIATION (SKY-GROUND) (CC1271)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE

OCT, 1980

AEHMOVIRONMENT INC.

* FINAL DATA *
* AS OF 15/APR/81 *

CLOCK HOUR LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	.14	.14	.14	.13	.13	.13	.12	.02	.16	.28	.39	.42	.42	.39	.29	.16	.00	.14	.15	.15	.15	.14	.14	.14	.02	.42	
2	.14	.14	.14	.14	.14	.14	.13	.01	.16	.30	.39	.43	.43	.38	.28	.14	.00	.15	.15	.15	.14	.14	.14	.14	.02	.43	
3	.14	.14	.14	.13	.13	.13	.12	.01	.15	.27	.36	.42	.41	.36	.27	.14	.01	.16	.16	.15	.14	.14	.14	.14	.02	.42	
4	.14	.14	.13	.13	.13	.13	.13	.01	.15	.28	.36	.41	.42	.37	.27	.14	.02	.16	.15	.15	.14	.14	.14	.14	.02	.42	
5	.13	.13	.13	.13	.13	.13	.12	.01	.15	.27	.35	.40	.40	.37	.27	.14	.02	.15	.15	.14	.14	.14	.14	.14	.02	.40	
6	.14	.13	.13	.13	.13	.13	.12	.00	.16	.26	.35	.37	.40	.34	.25	.13	.02	.16	.15	.15	.14	.14	.14	.14	.01	.40	
7	.13	.13	.13	.13	.13	.13	.12	.00	.14	.25	.34	.36	.39	.34	.25	.12	.03	.15	.15	.14	.14	.14	.14	.14	.01	.39	
8	.13	.13	.13	.13	.13	.13	.12	.01	.14	.24	.32	.36	.37	.33	.23	.10	.04	.15	.15	.14	.14	.14	.13	.13	.01	.37	
9	.13	.13	.13	.13	.13	.13	.13	.01	.13	.25	.34	.36	.39	.33	.24	.10	.04	.15	.15	.14	.14	.14	.14	.14	.01	.39	
10	.14	.14	.13	.13	.13	.13	.13	.02	.13	.24	.35	.39	.39	.31	.23	.10	.05	.15	.15	.14	.14	.14	.14	.14	.01	.39	
11	.13	.13	.13	.13	.13	.13	.12	.02	.12	.23	.32	.37	.36	.34	.24	.10	.05	.15	.15	.14	.14	.14	.14	.14	.01	.37	
12	.13	.13	.12	.12	.11	.10	.09	.04	.01	.13	.03	.14	.02	-.01	-.04	-.06	-.07	.10	.10	.10	.10	.10	.10	.11	-.06	.14	
13	.10	.10	.09	.09	.09	.10	.11	.02	.16	.32	.41	.45	.44	.38	.27	-.06	-.08	.11	.11	.11	.10	.09	.09	.11	-.04	.45	
14	.10	.10	.10	.09	.09	.10	.08	.04	.03	.08	.26	.12	.23	.25	.31	.02	.07	.09	.11	.11	.09	.09	.09	.09	-.01	.31	
15	.12	.12	.13	.14	.11	.10	.09	.02	.08	.32	.40	.29	.24	.04	.09	.14	.04	.11	.11	.10	.10	.10	.10	.10	.00	.40	
16	.09	.09	.09	.10	.10	.10	.09	.07	.03	.03	.15	.29	.34	.29	.21	.14	.03	.10	.10	.10	.09	.09	.10	.10	.00	.34	
17	.10	.11	.11	.13	.14	.13	.13	.03	.09	.32	.28	.55	.59	.13	-.03	.18	.08	.15	.15	.15	.16	.15	.11	.13	.01	.54	
18	.13	.13	.13	.11	.13	.11	.11	.06	.03	.26	.29	.44	.43	.33	.23	.10	.10	.17	.16	.13	.13	.14	.14	.12	.00	.44	
19	.13	.13	.13	.13	.13	.13	.11	.01	.13	.25	.36	.40	.39	.33	.24	.09	.06	.15	.14	.14	.14	.14	.14	.14	.01	.40	
20	.14	.14	.13	.12	.12	.12	.11	.01	.14	.25	.34	.40	.39	.33	.23	.09	.07	.15	.14	.14	.14	.13	.13	.13	.01	.40	
21	.13	.13	.13	.13	.13	.13	.11	.02	.12	.24	.31	.38	.37	.33	.22	.08	.08	.14	.14	.14	.13	.13	.13	.12	.01	.38	
22	.12	.11	.10	.10	.10	.11	.11	.05	.06	.23	.33	.40	.40	.33	.24	.10	.05	.15	.16	.16	.15	.15	.15	.15	.01	.40	
23	.15	.14	.14	.14	.14	.14	.14	.06	.10	.23	.31	.37	.35	.29	.20	.07	.09	.16	.15	.14	.14	.14	.14	.14	-.01	.37	
24	.14	.14	.14	.14	.14	.14	.14	.07	.10	.22	.28	.34	.35	.30	.20	.06	.10	.15	.15	.14	.14	.14	.14	.14	-.01	.35	
25	.14	.14	.14	.14	.14	.14	.13	.07	.09	.21	.30	.35	.34	.30	.18	.06	.10	.15	.14	.14	.14	.14	.14	.14	-.01	.35	
26	.13	.12	.11	.10	.10	.10	.10	.07	.02	.03	.11	.19	.14	.08	.01	-.01	.06	.09	.10	.09	.09	.09	.09	.09	-.04	.19	
27	.09	.09	.09	.09	.09	.09	.09	.05	.02	.00	.11	.20	.17	.13	.13	.07	.14	.14	.14	.14	.14	.13	.13	.13	-.03	.20	
28	.13	.14	.14	.13	.10	.10	.12	.09	.04	.14	.24	.30	.36	.23	.17	.04	.11	.14	.14	.14	.14	.14	.13	.13	-.02	.36	
29	.13	.13	.13	.13	.12	.12	.11	.04	.09	.18	.27	.31	.32	.27	.18	.04	.10	.14	.14	.13	.13	.13	.13	.13	-.01	.32	
30	.13	.13	.13	.13	.13	.13	.12	.07	.04	.18	.27	.31	.32	.27	.16	.03	.11	.14	.14	.13	.13	.13	.13	.13	-.02	.32	
31	.13	.13	.12	.12	.12	.11	.12	.05	.03	.16	.25	.27	.28	.23	.13	.00	.09	.13	.12	.12	.12	.12	.13	.13	-.02	.28	
AV	.13	.13	.12	.12	.12	.12	.12	.03	.09	.22	.30	.35	.35	.28	.20	.08	.06	.14	.14	.13	.13	.13	.13	.13	.00	.41	
SD	.02	.02	.02	.02	.02	.02	.01	.03	.06	.04	.04	.09	.10	.10	.09	.06	.03	.02	.02	.02	.02	.02	.02	.02	.02	.01	.11

NET SOLAR RADIATION (SKY-GROUND) 1CC1271
 LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE #
 NOV. 1960
 AEROVIRONMENT INC.

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 *
 * FINAL DATA
 * AS OF 15/APR/91
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK		
1	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.07	.08	.18	.25	.31	.30	.21	.18	-.01	-.09	-.14	-.13	-.13	-.13	-.12	-.12	-.12	-.02	.31	
2	-.13	-.12	-.11	-.12	-.10	-.09	-.09	-.07	.10	.13	.17	.15	.25	.24	.17	.04	-.11	-.14	-.13	-.13	-.13	-.13	-.12	-.13	-.13	-.03	.25
3	-.11	-.12	-.12	-.12	-.11	-.11	-.11	-.06	.04	.12	.14	.32	.29	.18	.13	.01	-.10	-.11	-.12	-.10	-.11	-.11	-.11	-.11	-.11	-.02	.32
4	-.11	-.12	-.11	-.11	-.11	-.11	-.05	.10	.16	.22	.28	.28	.36	.10	.03	.01	-.07	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.02	.36
5	-.12	-.12	-.12	-.12	-.11	-.11	-.07	.07	.16	.23	.28	.29	.24	.15	.03	-.11	-.13	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.02	.29
6	-.12	-.12	-.12	-.12	-.11	-.11	-.04	.07	.20	.19	.20	.21	.19	.15	.03	-.11	-.12	-.12	-.11	-.11	-.11	-.11	-.09	-.10	-.02	.21	
7	-.11	-.12	-.11	-.11	-.10	-.10	-.07	-.01	.12	.17	.25	.28	.23	.16	.02	-.12	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.03	.24	
8	-.12	-.12	-.12	-.12	-.13	-.12	-.10	.05	.17	.24	.27	.30	.25	.15	.02	-.11	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.02	.30	
9	-.12	-.12	-.12	-.12	-.12	-.12	-.09	.04	.14	.21	.26	.27	.22	.12	.00	-.13	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.12	-.03	.27	
10	-.12	-.12	-.12	-.12	-.12	-.12	-.10	.03	.14	.22	.26	.26	.23	.12	.01	-.12	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.12	-.03	.26	
11	-.12	-.12	-.12	-.12	-.12	-.12	-.08	.02	.08	.08	.15	.16	.24	.07	.01	-.04	-.04	-.10	-.11	-.09	-.09	-.10	-.09	-.11	-.04	.24	
12	-.09	-.10	-.09	-.10	-.11	-.09	-.08	-.01	.05	.08	.08	.06	.10	.07	.01	-.03	-.08	-.09	-.08	-.08	-.04	-.09	-.10	-.09	-.05	.10	
13	-.08	-.09	-.09	-.09	-.10	-.11	-.09	-.08	-.03	.05	.10	.09	.14	.09	.05	-.03	-.08	-.09	-.09	-.09	-.09	-.09	-.09	-.10	-.04	.14	
14	-.10	-.10	-.11	-.13	-.12	-.11	-.10	-.07	-.01	.18	.17	.29	.17	.23	.13	.05	-.12	-.14	-.11	-.13	-.13	-.13	-.14	-.14	-.03	.29	
15	-.12	-.11	-.11	-.11	-.11	-.10	-.06	.11	.21	.24	.26	.21	.16	.14	-.01	-.13	-.14	-.14	-.14	-.14	-.14	-.15	-.14	-.14	-.03	.26	
16	-.14	-.14	-.14	-.14	-.14	-.14	-.13	-.11	.02	.14	.22	.30	.17	.24	.12	.01	-.14	-.14	-.14	-.14	-.14	-.14	-.14	-.14	-.04	.30	
17	-.14	-.14	-.14	-.14	-.14	-.14	-.14	-.12	.01	.13	.21	.26	.25	.21	.11	-.02	-.15	-.15	-.14	-.14	-.14	-.14	-.14	-.14	-.05	.26	
18	-.14	-.14	-.14	-.14	-.13	-.13	-.11	.00	.12	.19	.25	.25	.25	.21	.10	-.02	-.14	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.04	.25	
19	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.12	.00	.12	.19	.25	.24	.19	.11	-.02	-.14	-.13	-.13	-.13	-.13	-.13	-.12	-.12	-.04	.25	
20	-.11	-.12	-.12	-.13	-.12	-.12	-.11	-.11	.01	.11	.18	.23	.24	.20	.10	-.02	-.14	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.04	.24	
21	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.12	.00	.11	.19	.24	.23	.20	.11	-.01	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.13	-.04	.24	
22	-.12	-.11	-.11	-.10	-.09	-.08	-.04	-.02	.08	.14	.15	.16	.07	.05	-.03	-.07	-.09	-.09	-.09	-.09	-.10	-.12	-.12	-.11	-.04	.16	
23	-.10	-.09	-.10	-.09	-.12	-.12	-.12	-.11	.00	.12	.16	.20	.14	.11	.03	-.04	-.09	-.10	-.09	-.09	-.08	-.08	-.08	-.07	-.03	.20	
24	.07	-.08	-.07	-.07	-.07	-.07	-.06	-.12	-.13	-.08	-.06	-.01	.01	.01	-.03	-.04	-.10	-.12	-.12	-.13	-.13	-.14	-.13	-.13	-.08	.20	
25	-.14	-.13	-.13	-.12	-.12	-.12	-.11	-.02	.05	-.03	.00	.03	.07	.05	-.04	-.05	-.11	-.12	-.10	-.12	-.09	-.09	-.09	-.12	-.07	.07	
26	-.12	-.12	-.11	-.11	-.10	-.10	-.08	-.01	.06	.08	.11	.11	.10	.10	.05	-.06	-.14	-.13	-.13	-.13	-.12	-.12	-.12	-.12	-.04	.11	
27	-.11	-.11	-.11	-.11	-.10	-.10	-.13	-.08	-.01	.05	.09	.13	.04	.02	.00	-.07	-.09	-.10	-.11	-.12	-.12	-.12	-.11	-.11	-.06	.13	
28	-.11	-.11	-.11	-.10	-.10	-.10	-.09	.04	.09	.08	.17	.19	.19	.11	.01	-.00	-.08	-.10	-.10	-.12	-.11	-.11	-.11	-.11	-.03	.19	
29	-.10	-.10	-.10	-.09	-.09	-.09	-.05	.01	.19	.18	.18	.11	.10	.09	.09	-.03	-.10	-.12	-.12	-.12	-.11	-.11	-.11	-.10	-.03	.19	
30	-.10	-.10	-.11	-.10	-.10	-.10	-.09	-.09	-.02	.11	.20	.27	.19	.09	.05	-.02	-.09	-.10	-.12	-.12	-.11	-.12	-.12	-.12	-.03	.27	
AV	-.11	-.12	-.11	-.11	-.11	-.11	-.08	-.02	.11	.16	.20	.20	.16	.09	-.01	-.11	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.12	-.04	.1	
SD	.04	.01	.01	.02	.02	.02	.02	.02	.05	.07	.08	.09	.08	.07	.06	.03	.02	.02	.02	.02	.02	.02	.02	.01	.02	.1	

NET SOLAR RADIATION (SKY-GROUND) (CC1271)

LANGLEY/MINUTE

WHITE RIVER SHALE PROJECT.#139

RONANZA, UTAH

SITE 6

DEC. 1980

AERVIROUNMENT INC.

 * FINAL DATA *
 * AS OF 15/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-12	-12	-12	-13	-12	-12	-12	-11	00	03	00	27	26	21	11	-01	-13	-13	-13	-12	-12	-11	-11	-11	-04	27
2	-11	-09	-10	-08	-10	-12	-11	-10	-01	16	17	11	16	08	07	03	-09	-09	-06	-07	-08	-07	-08	-07	-09	17
3	09	09	09	07	07	07	07	07	02	04	09	16	06	24	11	05	-08	-09	-09	-09	-09	-09	-10	-11	-03	26
4	-10	-11	-10	-08	-08	-10	-08	-03	-07	-06	15	31	21	00	-04	-06	-08	-08	-09	-09	-09	-11	-11	-12	-04	31
5	-12	-12	-12	-11	-12	-10	-10	-10	-08	09	10	12	10	02	06	03	-08	-08	-09	-07	-07	-07	-07	-07	-05	12
6	07	07	07	07	07	07	07	07	03	-01	05	15	22	07	00	01	-08	-10	-11	-10	-11	-10	-10	-10	-08	22
7	09	09	07	07	07	07	07	07	01	01	07	05	09	00	03	-07	-08	-10	-10	-12	-13	-12	-09	-05	09	22
8	09	08	09	10	09	09	09	09	08	00	10	17	22	25	20	03	-14	-14	-13	-13	-13	-12	-12	-12	-03	25
9	-11	-11	-10	-08	-08	09	09	10	04	09	17	19	18	18	09	03	-14	-13	-13	-13	-13	-12	-13	-04	19	25
10	-13	-12	-12	-11	-11	-10	-10	-09	00	11	16	19	23	18	13	00	-10	-12	-11	-10	-11	-11	-11	-11	-03	23
11	-12	-12	-11	-11	-10	-10	-10	-09	00	10	16	21	22	18	09	-02	-12	-12	-12	-12	-12	-12	-12	-12	-04	22
12	-12	-12	-11	-11	-10	-10	-10	-09	-01	09	15	20	19	16	07	05	-12	-12	-12	-12	-13	-13	-12	-12	-04	20
13	-11	-11	-11	-10	-10	-09	-09	-09	00	14	16	19	20	16	08	03	-13	-12	-12	-12	-12	-12	-12	-12	-04	20
14	-12	-12	-12	-11	-11	-11	-10	-10	-02	08	14	19	21	14	09	00	-09	-12	-10	-10	-10	-09	-11	-11	-04	21
15	-10	-10	-11	-11	-11	-10	-10	-09	-03	06	12	19	15	14	08	00	-11	-11	-11	-11	-11	-11	-11	-11	-04	19
16	-11	-11	-11	-10	-10	-09	-09	-08	-03	09	15	18	19	16	09	00	-11	-11	-11	-11	-11	-11	-11	-11	-04	19
17	-11	-10	-09	-09	-09	-06	-08	-07	05	17	15	19	19	17	10	-02	-12	-11	-11	-11	-11	-11	-11	-11	-02	19
18	-11	-10	-09	-09	-09	-08	-08	-08	02	11	14	19	19	13	09	03	-07	-10	-10	-09	-09	-10	-11	-11	-03	19
19	-11	-11	-11	-10	-10	-09	-09	-08	-01	09	14	19	19	16	09	-02	-12	-11	-11	-11	-11	-11	-11	-11	-04	19
20	-11	-11	-10	-10	-09	-09	-08	-08	03	16	14	14	15	19	14	-02	-12	-12	-11	-11	-11	-11	-11	-11	-04	19
21	-10	-09	-09	-08	-08	-09	-09	-09	00	09	14	19	18	14	04	-02	-10	-11	-10	-10	-10	-10	-07	-07	-02	19
22	07	08	09	09	09	10	10	10	-05	04	13	20	20	05	01	03	-10	-11	-09	-08	-08	-08	-07	-08	-04	20
23	08	-11	-10	-08	-08	-09	-09	-08	-03	07	14	21	16	09	03	-13	-13	-12	-12	-12	-11	-10	-10	-08	-04	20
24	-11	-12	-12	-12	-10	-10	-12	-11	-04	02	13	17	12	12	06	-02	-07	-10	-11	-12	-09	-10	-11	-11	-05	17
25	-11	-11	-10	-10	-10	-11	-11	-09	-05	08	15	22	19	18	07	01	-06	-08	-09	-10	-11	-11	-11	-11	-03	22
26	-11	-11	-11	-11	-10	-10	-10	-09	-04	06	13	18	15	09	01	-10	-11	-11	-11	-11	-11	-10	-10	-10	-04	18
27	-10	-10	-10	-10	-09	-09	-09	-09	-04	08	12	19	16	10	05	-02	-08	-10	-10	-10	-09	-09	-09	-09	-09	19
28	09	09	09	08	10	10	09	09	-02	01	09	14	18	15	09	-01	-12	-11	-11	-11	-11	-11	-11	-11	-04	18
29	-11	-10	-10	-09	-09	-09	-08	-08	01	15	14	18	20	16	09	-02	-13	-12	-12	-12	-12	-12	-11	-11	-03	20
30	-11	-10	-10	-10	-09	-09	-09	-08	00	13	13	18	19	17	11	00	-12	-12	-11	-11	-11	-11	-11	-11	-03	19
31	-11	-11	-11	-11	-11	-11	-10	-10	-02	06	12	19	20	17	09	-03	-14	-13	-13	-13	-13	-13	-13	-13	-05	20
AV	-10	-10	-10	-10	-09	-09	-09	-09	-02	08	13	18	18	15	08	-02	-10	-11	-11	-11	-11	-11	-11	-11	-04	1
SD	01	01	01	02	01	01	01	01	03	05	04	04	05	06	08	02	02	02	01	01	02	02	02	01	01	1

MM OF HG

JAN. 1980

AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	637	634	636	636	635	635	635	636	636	636	636	636	635	634	634	634	634	634	634	634	634	635	635	635	635	635	637
2	635	635	635	635	635	635	635	636	636	636	636	636	637	636	635	635	636	636	636	636	636	637	637	637	637	637	637
3	637	637	637	637	637	636	636	636	636	636	636	636	635	634	634	634	634	634	634	634	634	634	634	634	635	635	637
4	634	634	634	634	634	634	634	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	634	635	635	634	636
5	635	635	635	635	635	634	635	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	634	635	635	634	636
6	627	626	625	626	626	626	626	628	628	628	628	628	627	627	627	628	628	628	628	628	628	628	628	628	628	632	635
7	627	627	627	626	626	626	626	627	627	627	627	626	626	626	625	625	625	625	626	626	626	626	626	626	626	627	628
8	625	622	624	624	624	624	624	625	625	625	626	626	626	626	626	626	626	627	627	627	627	628	628	628	628	628	628
9	628	628	628	628	628	628	628	628	628	628	627	627	626	626	624	624	624	624	624	624	624	624	624	624	624	624	628
10	619	618	618	617	617	617	617	616	615	615	615	614	614	614	610	620	622	624	624	624	624	624	629	630	631	620	631
11	632	632	633	633	633	633	634	634	634	634	635	633	632	631	631	631	631	631	631	631	631	631	632	632	633	633	636
12	631	632	632	632	629	630	630	631	631	631	631	630	630	629	631	628	628	628	628	628	628	628	628	628	628	628	630
13	628	628	629	629	629	629	630	630	631	631	631	630	630	629	629	628	628	628	628	628	628	628	628	628	628	628	632
14	627	626	626	626	625	624	624	624	624	626	628	628	627	627	627	627	627	627	627	628	628	628	629	629	629	629	631
15	629	630	630	630	630	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	632
16	632	632	632	632	632	632	632	632	633	633	633	633	632	631	631	631	631	631	631	631	631	631	632	632	632	632	633
17	632	631	631	631	631	630	630	630	630	631	631	631	630	629	628	625	628	628	628	628	628	628	628	628	628	628	629
18	627	627	626	626	625	624	624	624	624	625	625	625	624	624	624	624	625	625	626	626	627	626	626	626	626	629	632
19	631	630	631	632	632	632	633	634	634	636	635	634	635	635	635	635	635	636	636	636	636	636	637	637	637	637	638
20	638	638	639	635	638	640	639	636	637	640	641	640	639	638	638	638	638	638	638	638	638	638	638	638	638	638	641
21	637	637	635	637	637	636	636	636	636	636	636	635	635	634	634	634	634	635	635	635	636	637	637	637	637	637	638
22	637	637	638	638	638	638	638	638	638	638	638	638	638	638	637	637	637	637	637	637	638	638	638	638	638	638	641
23	639	639	639	639	639	639	640	640	640	641	641	640	640	639	639	639	638	638	638	638	638	638	638	638	638	638	641
24	637	637	637	636	635	635	635	635	634	634	634	634	632	631	631	631	630	630	630	630	630	629	629	629	629	629	631
25	629	629	629	626	626	625	625	625	624	624	624	624	623	622	621	622	622	623	623	623	623	623	623	623	623	623	629
26	625	625	625	625	625	624	624	624	624	624	624	624	624	623	624	624	624	625	625	625	625	625	625	625	625	625	629
27	626	625	625	625	624	624	624	624	624	624	624	624	624	623	624	624	624	625	625	625	625	625	625	625	625	625	629
28	624	622	623	623	625	625	625	625	625	625	626	626	625	625	624	624	624	625	625	625	625	625	625	625	625	625	629
29	625	625	624	624	623	623	622	622	622	622	621	621	620	619	619	619	620	622	622	622	622	622	622	622	622	622	628
30	629	629	630	631	632	632	633	634	635	636	636	636	636	636	635	636	636	636	636	636	636	636	636	636	636	636	640
31	640	640	641	641	641	640	642	642	642	642	642	642	641	640	640	640	640	640	640	640	640	640	640	640	640	640	642
AV	631	631	631	631	631	630	631	631	631	631	631	631	630	630	629	630	630	630	630	630	630	631	631	631	631	631	631
SD	5	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	1

BAROMETRIC PRESSURE ICC1P61

MM OF HG

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH
SITE 6

FEB, 1960

AEROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	640	639	639	639	639	639	639	640	640	640	640	640	638	638	638	638	639	639	638	639	639	639	639	639	639	640
2	639	639	639	640	640	641	640	640	641	641	641	640	640	639	638	638	635	638	639	639	639	640	639	640	639	641
3	639	639	639	640	639	639	639	639	639	639	639	638	636	636	636	635	635	635	636	636	636	636	635	636	637	640
4	636	634	636	636	635	637	637	637	637	638	638	637	637	636	636	636	636	636	637	637	637	638	638	639	637	639
5	639	639	639	640	640	636	636	640	641	641	641	640	639	638	638	634	637	637	637	637	637	637	637	637	637	641
6	637	636	637	635	635	634	634	634	634	633	633	632	631	630	629	628	628	628	628	627	628	628	627	627	631	637
7	627	627	627	626	626	626	626	627	627	627	627	627	627	627	627	627	627	628	630	631	632	632	632	633	633	633
8	634	634	635	635	635	635	636	636	637	637	637	637	636	635	635	635	635	635	636	636	636	637	638	637	636	638
9	638	638	638	638	639	640	639	639	640	639	639	639	638	637	637	637	637	637	637	637	637	638	638	637	636	638
10	638	638	637	637	637	637	637	637	637	636	636	635	634	633	632	632	631	632	632	632	632	633	633	633	633	638
11	633	632	633	632	632	632	632	633	633	633	635	633	632	631	631	630	630	631	631	631	631	632	632	632	633	635
12	632	632	632	632	632	632	632	632	632	632	632	631	630	629	628	628	628	628	628	628	629	629	629	629	629	630
13	629	629	631	629	629	629	629	629	629	629	629	629	628	628	628	626	626	626	626	627	627	627	627	627	627	630
14	627	627	627	627	627	627	626	627	627	628	628	626	625	625	624	624	623	623	623	627	627	628	628	627	627	628
15	626	626	628	627	627	628	628	628	629	629	630	629	628	628	628	627	628	628	628	629	629	630	630	629	628	628
16	631	629	631	632	632	632	631	632	632	634	634	633	632	631	630	630	630	630	630	629	629	630	631	631	629	631
17	628	628	628	627	627	626	626	626	626	626	626	626	625	625	625	625	624	624	625	625	625	625	625	625	625	628
18	625	624	624	624	623	623	623	623	623	622	621	621	620	620	620	620	620	620	622	622	622	623	623	624	624	625
19	624	624	625	625	625	625	626	627	627	627	626	626	624	623	623	623	622	622	622	622	623	623	623	624	624	625
20	620	620	620	619	619	619	620	620	620	620	620	619	620	620	620	620	621	621	622	622	623	624	624	624	624	627
21	625	625	626	626	626	626	626	626	626	626	626	625	625	625	624	624	624	624	624	624	624	625	625	625	625	625
22	625	625	626	626	626	627	627	628	629	629	630	630	630	629	629	629	629	630	630	630	630	630	631	631	629	631
23	631	630	630	630	630	631	631	631	632	632	632	632	632	632	632	632	632	633	633	633	633	633	633	633	631	632
24	636	637	637	637	637	637	638	638	639	639	639	638	638	638	638	638	638	638	638	639	639	639	639	639	639	640
25	640	640	640	640	640	641	641	641	641	641	641	640	639	638	638	638	638	638	638	639	639	639	640	640	639	640
26	639	638	639	639	639	639	639	639	640	640	641	639	638	638	637	637	637	637	637	637	637	638	639	639	639	640
27	638	638	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
28	634	634	634	633	633	633	633	633	633	632	631	630	630	629	629	629	629	629	629	629	629	629	629	629	629	630
29	627	630	630	630	630	630	630	631	631	631	631	631	631	631	631	631	631	632	633	633	634	634	635	635	634	636
AV	632	632	633	632	632	632	632	633	633	633	633	632	632	631	631	631	630	631	631	631	632	632	632	632	632	632
30	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	6	5	5	5	6	5	6

BAROMETRIC PRESSURE (CCT26)

MM OF HG

WHITE RIVER SHALE PROJECT, M139

BUNANZA, UTAH

SITE 6

MAR, 1980

AEROVIRONMENT INC.

 * FINAL DATA *
 * AB OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	635	635	636	636	636	636	636	637	636	636	636	636	635	636	634	634	633	633	633	633	634	633	634	634	634	635	637
2	634	634	634	633	633	633	633	633	634	633	632	631	630	629	628	627	626	627	627	627	627	626	627	626	626	630	634
3	626	626	625	624	624	624	623	623	623	621	621	622	621	620	620	620	621	621	621	622	622	622	622	622	622	622	626
4	622	623	623	623	623	623	624	625	625	626	626	626	626	625	625	625	625	625	625	626	626	626	626	626	626	625	626
5	629	629	629	628	628	628	628	628	628	628	628	627	626	625	625	624	624	624	624	624	624	624	623	623	623	626	629
6	623	623	623	624	624	625	625	625	625	625	625	624	624	624	624	624	624	624	624	624	623	623	623	622	622	624	625
7	622	621	621	621	621	622	622	621	623	624	624	624	624	624	624	625	625	625	626	626	626	626	626	626	626	624	629
8	632	629	630	630	630	631	631	632	632	632	631	631	631	630	629	629	630	630	631	631	631	631	632	632	631	632	631
9	632	633	633	632	632	633	633	633	633	633	633	632	632	631	631	630	631	631	631	632	632	632	633	632	632	631	632
10	632	633	633	632	634	633	633	633	633	633	632	632	631	630	629	628	628	628	628	628	628	628	629	628	628	631	633
11	628	621	622	622	623	624	626	627	628	629	629	629	629	629	629	629	629	629	630	630	631	632	632	632	624	628	
12	622	621	622	622	623	624	626	627	628	629	629	629	629	629	629	629	629	629	630	630	631	632	632	632	624	628	
13	633	632	633	632	633	633	633	633	634	633	633	632	631	630	629	629	629	629	629	630	630	631	632	632	633	624	633
14	631	632	632	631	631	631	631	631	631	631	630	629	628	627	626	626	626	626	626	626	626	626	626	626	626	624	626
15	626	626	626	626	626	626	626	626	626	626	626	626	625	624	624	624	624	624	623	623	624	624	624	624	625	626	625
16	629	627	628	629	629	630	630	631	631	631	631	631	631	631	631	631	631	631	631	631	632	632	632	632	631	631	633
17	638	638	638	637	638	638	638	639	639	639	638	637	636	634	634	634	635	636	636	637	637	637	637	637	637	633	637
18	630	631	630	630	630	629	629	629	629	628	628	627	626	625	625	624	624	624	623	623	624	624	624	624	624	625	626
19	625	626	627	627	627	627	627	628	628	628	627	626	625	625	625	624	624	624	625	625	625	626	626	626	627	631	631
20	632	632	632	633	633	633	633	634	634	634	633	632	631	630	629	629	629	629	629	629	629	629	629	629	629	631	631
21	628	628	627	627	627	626	627	627	627	626	625	624	623	623	622	624	624	624	624	625	625	625	625	625	625	624	628
22	623	625	626	626	626	626	626	626	626	626	625	625	625	624	624	624	624	624	625	625	625	625	625	625	625	625	626
23	626	626	626	627	627	629	629	628	628	626	626	626	626	626	626	625	626	626	626	626	626	625	625	625	625	625	626
24	629	629	629	629	629	629	629	630	628	627	626	626	625	624	624	625	626	626	627	626	626	626	626	626	626	627	629
25	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	630
26	628	628	629	629	629	629	630	630	630	629	628	628	628	628	628	627	627	627	627	627	627	627	627	627	627	627	629
27	628	628	628	628	627	627	627	627	627	627	627	626	625	624	624	624	624	624	624	624	624	624	624	624	624	624	628
28	627	628	627	627	628	628	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	630
29	633	634	633	633	633	633	633	634	634	634	634	633	633	632	631	632	632	632	632	632	632	632	632	632	632	632	633
30	630	630	628	628	627	627	626	625	625	624	624	624	623	623	624	625	625	625	625	625	625	625	625	625	625	625	626
31	626	626	626	625	625	625	626	626	626	626	626	626	625	625	625	624	625	625	625	625	625	625	625	625	625	625	626
AV	628	628	629	628	629	629	629	629	629	629	629	628	628	627	627	627	627	627	627	627	627	627	627	627	627	627	628
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

BAROMETRIC PRESSURE [CC1261

MM OF HG

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 6

APR. 1980

AFROVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR [LOCAL STANDARD TIME]

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK		
1	627	626	628	627	627	627	628	628	628	627	627	627	626	626	625	625	625	625	626	626	626	625	625	625	626	628	
2	625	625	625	624	624	624	624	625	625	625	626	626	626	626	627	627	628	628	628	629	629	629	629	629	629	629	631
3	632	632	633	633	634	634	634	633	632	635	635	634	634	633	633	633	632	634	633	633	634	634	634	634	634	635	635
4	634	634	634	634	634	634	635	635	635	634	634	634	632	632	630	630	629	629	629	629	629	630	630	630	632	635	635
5	629	628	628	628	628	628	628	628	628	627	626	626	625	625	624	624	624	624	624	625	623	623	626	626	626	629	629
6	626	627	627	627	627	627	628	628	628	627	627	626	626	626	626	626	626	627	627	627	627	627	627	627	627	627	627
7	627	628	629	629	629	630	630	632	632	632	632	633	633	633	633	634	636	636	636	637	637	638	638	638	638	639	639
8	636	636	638	638	639	639	639	639	639	639	639	638	638	637	636	636	635	635	635	636	636	637	637	637	637	637	637
9	637	636	636	636	636	632	636	635	635	634	634	631	631	630	629	628	628	628	627	627	627	627	627	627	627	631	637
10	627	628	628	627	628	628	628	627	629	628	628	627	628	627	627	627	628	628	630	629	629	630	631	630	630	629	631
11	630	630	630	630	631	631	632	633	633	633	633	627	634	635	635	635	635	636	636	636	637	637	637	637	637	637	637
12	637	637	637	637	637	638	638	638	638	637	637	636	635	635	635	636	636	637	637	638	638	638	638	638	638	638	638
13	639	639	639	639	639	639	640	639	639	638	638	637	635	635	634	633	633	632	632	631	633	633	633	633	633	636	640
14	633	633	633	633	633	633	632	632	632	632	631	630	630	630	629	629	628	628	628	628	629	630	630	630	630	631	633
15	630	631	631	631	631	632	632	632	632	629	632	631	630	630	629	629	629	630	630	631	632	633	633	633	633	631	633
16	634	634	636	635	635	635	633	633	633	637	637	633	636	636	636	635	635	636	636	636	637	637	638	638	638	636	640
17	636	639	639	639	639	640	640	640	639	639	639	638	636	636	636	635	635	636	636	636	637	637	638	638	638	636	638
18	635	635	636	636	636	636	636	637	636	636	636	634	634	633	632	632	632	632	632	634	634	634	633	633	633	634	638
19	634	634	634	634	634	633	635	635	635	635	634	633	632	632	631	630	630	630	630	631	631	631	631	632	632	633	635
20	632	632	632	632	632	632	633	633	633	632	631	629	628	628	628	627	627	627	627	626	626	627	627	627	627	630	635
21	628	627	628	627	628	629	629	629	629	629	628	627	627	627	627	627	627	627	627	627	629	630	629	629	629	629	630
22	628	626	626	626	626	626	627	629	629	629	628	627	627	627	627	626	626	626	626	625	625	626	626	626	626	629	632
23	628	626	626	626	626	626	626	626	626	626	627	627	627	627	626	626	626	626	626	627	627	627	627	627	627	627	627
24	627	627	627	627	627	627	627	626	626	626	626	626	625	625	624	624	624	624	624	625	625	626	626	626	626	627	627
25	627	627	627	627	627	627	627	629	629	629	629	628	628	628	627	627	627	627	627	627	628	628	629	629	629	629	629
26	630	630	630	630	631	632	632	633	632	632	632	631	631	631	630	630	630	630	630	630	630	631	631	631	631	631	631
27	632	633	633	633	634	634	635	635	635	635	633	632	632	632	631	631	630	630	630	630	630	631	632	632	632	632	632
28	632	632	632	632	633	633	633	633	633	632	631	631	630	629	629	628	628	628	628	628	628	629	629	629	629	629	630
29	628	628	627	627	627	627	627	627	627	626	625	624	623	622	621	621	621	621	621	621	621	621	621	621	621	621	621
30	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
AV	631	631	631	631	631	632	632	632	632	631	631	630	630	630	629	629	629	629	629	630	630	631	631	631	631	631	631
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	627	627	627	627	627	628	629	629	629	629	629	629	629	629	629	629	629	629	630	630	631	631	631	631	629	631
2	632	632	632	632	632	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	632	633
3	633	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	632	634
4	633	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	632	634	
5	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	632	634	
6	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	630	632
7	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	629	630
8	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	629	630
9	626	626	625	625	625	625	625	624	623	623	623	622	622	621	621	621	621	621	621	621	621	621	621	621	621	621
10	622	622	621	621	621	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622	622
11	623	623	623	623	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624
12	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
13	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
14	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
15	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
16	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627
17	629	629	629	629	629	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	629	630
18	634	634	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
19	633	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
20	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
21	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
22	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628
23	623	623	623	623	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624
24	620	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621
25	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
26	629	630	630	630	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	629	631
27	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628
28	627	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628
29	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628
30	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	629	630
31	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
AV	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

BAROMETRIC PRESSURE ICC:26J

MM OF HG

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

JUN, 1980

AEROENVIRONMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	628	628	628	628	628	628	628	627	627	626	625	625	624	624	623	624	624	624	624	625	626	626	626	626	627	626	628
2	627	626	626	626	626	626	626	626	626	625	625	625	624	624	623	623	623	623	623	623	623	623	624	624	624	625	627
3	625	625	625	626	627	627	628	628	627	627	627	627	626	626	626	626	626	626	626	626	626	626	627	627	628	626	628
4	628	628	628	629	629	629	629	629	628	627	627	626	626	626	625	625	625	625	625	625	625	625	626	626	627	627	629
5	628	628	628	628	628	628	628	628	628	627	627	626	626	626	626	626	626	626	626	626	629	630	631	631	632	628	632
6	626	627	627	627	628	628	628	628	628	627	627	626	626	626	626	626	626	626	626	628	629	630	631	631	632	628	635
7	632	633	633	633	634	635	635	635	635	635	634	634	633	633	633	632	632	632	631	631	632	632	632	632	633	633	635
8	635	635	635	635	636	636	636	636	636	635	635	634	633	633	632	632	631	631	631	631	632	632	632	632	633	633	636
9	633	633	633	633	634	634	634	634	634	633	633	632	631	631	630	629	628	628	627	627	628	629	629	629	629	631	634
10	629	629	629	629	630	630	630	630	629	629	628	627	627	626	626	626	625	625	625	625	626	626	627	627	627	628	630
11	627	628	628	628	629	629	629	629	629	628	628	627	627	627	627	627	627	627	627	627	627	627	628	628	629	629	629
12	629	629	629	630	630	631	631	631	631	630	629	629	628	628	627	627	627	627	627	627	627	628	628	629	629	629	631
13	630	630	630	630	631	631	631	631	631	630	629	628	628	627	627	627	627	627	627	627	627	627	627	628	628	629	631
14	628	628	628	628	628	628	628	628	628	628	628	628	628	627	627	627	627	627	627	627	627	627	627	628	628	629	631
15	633	633	633	633	634	634	634	634	634	634	634	634	633	633	633	633	632	632	632	632	632	632	632	632	633	633	635
16	635	635	635	635	636	636	636	636	636	635	635	634	634	633	633	632	632	632	631	631	632	632	632	633	633	634	635
17	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	632	632	631	631	632	632	632	632	633	633	635
18	631	631	631	631	631	631	631	631	631	631	630	629	629	628	628	627	627	627	627	627	627	627	627	627	627	627	631
19	629	630	630	630	631	631	631	631	631	630	629	629	628	628	627	627	627	627	627	627	627	627	627	627	627	627	631
20	631	632	632	632	632	632	632	632	632	632	631	631	630	629	629	629	629	629	629	629	629	629	630	631	631	631	631
21	630	631	631	631	631	631	631	631	631	631	630	629	629	628	628	628	628	628	628	628	628	628	629	630	631	631	631
22	630	630	630	630	631	631	631	631	631	631	630	629	629	628	628	628	628	628	628	628	628	628	628	629	629	629	631
23	629	628	629	628	629	629	629	628	628	628	627	627	626	626	626	626	626	626	626	626	626	626	627	627	627	629	632
24	629	629	630	630	630	631	631	631	631	630	629	629	628	628	628	628	628	628	628	628	628	628	628	628	628	629	631
25	631	631	631	631	631	631	631	631	631	631	631	631	630	630	630	629	629	629	629	629	629	630	631	631	631	631	631
26	631	631	631	631	631	631	631	631	631	631	630	630	630	629	629	629	628	628	628	628	628	628	629	629	630	631	631
27	630	631	631	631	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
28	635	635	635	635	635	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	635
29	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	635
30	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
AV	630	630	631	631	631	632	632	632	631	631	630	630	629	628	628	628	628	628	628	628	628	629	630	630	630	630	630
9D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2

BAROMETRIC PRESSURE (CC1261)
 MM OF HG

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6
 JUL, 1980
 AFMOVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	635	634	634	634	634	634	634	634	634	634	634	634	633	632	632	632	632	632	632	633	633	634	635	635	635	635
2	635	635	635	635	636	636	636	636	636	636	636	635	635	634	634	634	634	633	633	633	633	634	634	634	635	636
3	634	634	634	634	634	634	634	634	634	634	633	633	632	632	631	630	629	629	629	629	630	630	631	631	632	634
4	631	631	632	632	633	633	633	633	633	632	632	631	631	630	630	630	629	629	629	629	630	630	631	631	631	633
5	631	631	631	631	632	632	633	633	633	632	632	631	631	630	629	629	629	629	629	630	630	630	631	631	631	633
6	631	632	632	632	633	633	633	633	633	632	632	631	631	630	629	629	629	629	630	630	630	631	631	631	631	633
7	631	631	631	631	631	632	633	633	633	632	632	631	631	630	629	629	629	629	630	630	630	631	631	631	631	633
8	633	633	633	633	634	634	634	634	634	634	633	633	632	632	631	631	631	631	631	631	631	632	632	633	633	633
9	635	635	635	635	636	636	636	636	636	636	635	635	634	633	632	632	631	631	631	631	631	631	632	632	633	634
10	633	633	633	633	634	634	634	634	634	634	633	633	632	632	631	631	631	631	631	631	631	631	632	632	633	634
11	633	633	633	633	633	633	633	633	633	633	632	632	631	631	630	630	629	629	629	629	630	630	630	630	630	631
12	630	630	630	630	631	631	631	631	631	631	630	630	630	630	629	629	628	628	628	629	629	629	629	630	630	631
13	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	632
14	632	632	632	632	633	633	633	633	633	633	632	632	631	631	630	630	629	629	629	629	630	630	630	630	630	631
15	634	634	634	634	635	635	635	635	635	635	634	634	633	632	632	631	631	631	631	631	631	631	631	631	631	633
16	634	634	634	634	635	635	635	635	635	635	634	634	633	632	632	631	631	631	631	631	631	631	631	631	631	633
17	632	632	632	632	632	632	632	632	632	632	631	631	630	629	628	627	627	626	626	626	626	626	627	629	632	635
18	629	629	629	629	630	630	630	630	630	630	629	629	628	628	627	626	626	626	626	626	626	626	626	629	632	635
19	627	627	627	628	628	628	628	628	628	628	629	629	628	628	627	627	627	627	627	628	628	628	629	630	630	631
20	630	631	631	632	632	632	633	633	633	633	632	632	631	631	630	630	629	629	629	629	630	630	630	630	630	631
21	633	633	633	634	634	634	634	634	634	634	633	633	632	632	631	631	631	631	631	631	631	631	631	631	631	633
22	634	634	634	634	635	635	635	635	635	635	634	634	633	632	632	631	631	631	631	631	631	631	631	631	631	633
23	633	633	633	633	633	633	633	633	633	633	632	632	631	631	630	630	629	629	629	630	630	630	631	631	631	633
24	632	632	632	632	632	632	632	632	632	632	631	631	630	629	629	629	629	629	629	630	630	630	631	631	631	633
25	632	633	633	633	634	634	634	634	634	634	633	633	632	632	631	631	631	631	631	631	631	631	631	631	631	633
26	632	632	632	633	633	633	633	633	633	633	632	632	631	631	630	629	629	629	629	630	630	630	631	631	631	633
27	632	632	632	633	633	633	633	633	633	633	632	632	631	631	630	629	629	629	629	630	630	630	631	631	631	633
28	631	632	632	632	633	633	633	633	633	633	632	632	631	631	630	629	629	629	629	630	630	630	631	631	631	633
29	630	630	630	631	631	631	631	631	631	631	630	630	630	630	629	629	629	629	629	630	630	630	631	631	631	633
30	633	633	633	634	634	634	634	634	634	634	633	633	632	632	631	631	631	631	631	631	631	631	631	631	631	633
31	633	634	634	634	634	635	635	635	635	635	634	634	633	632	632	631	631	631	631	631	631	631	631	631	631	633
AV	632	632	632	632	633	633	633	633	633	633	632	632	631	631	630	630	629	629	629	630	630	630	631	631	631	633
SD	2	2	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1

ABOUT 129 JAN 81

BAROMETRIC PRESSURE ICC1261

MM OF HG

WHITE RIVER SHALE PROJCT. #139
 BONANZA, UTAH
 SITE 6

AUG, 1960

AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAR		
1	633	633	633	633	633	633	633	634	634	634	633	633	632	631	630	629	629	629	629	630	630	631	631	631	632	634		
2	631	632	632	632	633	633	633	633	633	632	632	631	630	630	629	628	627	627	627	627	627	627	627	627	627	630	633	
3	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	
4	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	628	
5	627	627	628	628	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	
6	627	627	628	628	628	629	629	630	630	630	629	628	628	627	627	627	627	627	627	627	628	628	628	628	628	630	630	
7	629	629	629	630	630	630	630	630	630	630	630	629	628	628	627	627	627	627	627	627	628	628	628	628	628	629	629	
8	630	630	630	630	630	630	630	630	630	630	629	628	627	627	626	626	625	625	625	625	626	626	627	628	628	630	630	
9	627	627	628	628	628	629	629	629	629	629	628	628	627	627	626	626	626	626	626	626	627	627	627	627	627	629	629	
10	628	629	629	629	629	630	630	630	630	630	629	629	628	628	628	628	628	628	628	628	629	629	630	631	631	629	629	
11	631	632	632	632	633	633	633	633	633	632	632	631	630	630	629	629	629	629	629	629	629	629	630	630	630	631	634	
12	631	631	631	631	631	631	631	631	631	630	629	628	627	627	627	627	627	627	627	627	627	627	627	627	627	629	632	
13	630	630	630	630	630	630	630	630	630	630	629	628	627	626	626	626	626	626	626	626	626	626	626	626	626	629	630	
14	629	629	629	629	629	629	629	629	629	628	628	627	626	625	625	624	624	624	624	624	625	625	625	625	625	629	630	
15	627	627	628	628	628	628	628	628	628	628	627	626	625	625	625	625	625	625	625	625	626	626	627	627	627	629	630	
16	629	629	630	630	630	630	630	631	631	631	631	630	629	629	629	629	629	629	629	629	629	629	629	629	629	629	630	
17	631	632	632	632	632	632	632	632	632	632	631	631	630	630	629	629	629	629	629	629	629	629	629	629	629	630	633	
18	628	628	628	628	628	628	628	628	628	628	627	626	626	626	625	625	624	624	624	624	625	625	625	625	625	626	628	
19	626	626	626	627	627	627	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	
20	633	633	633	633	634	634	634	634	634	634	634	634	633	633	632	632	632	632	632	632	632	632	632	632	632	633	635	
21	634	634	634	634	634	635	635	635	635	635	635	634	633	633	632	632	632	632	632	632	632	632	632	632	632	633	635	
22	631	631	631	631	632	632	632	632	632	632	631	630	630	629	629	629	629	629	629	629	629	629	629	629	629	631	635	
23	630	631	631	631	631	632	632	632	632	632	631	630	629	629	629	628	628	628	628	628	628	629	629	629	629	630	633	
24	635	634	634	634	634	635	635	635	635	635	635	634	633	633	632	632	632	632	632	632	632	632	632	632	632	634	635	
25	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	635	
26	633	634	634	634	634	635	635	635	635	635	635	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	636	
27	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	636	
28	630	630	631	631	631	632	632	632	632	632	631	631	631	631	630	629	629	629	629	629	629	629	629	629	629	631	633	
29	630	630	630	630	631	631	631	632	632	632	631	631	631	630	630	629	629	629	629	629	629	629	629	629	629	630	633	
30	630	629	629	629	629	629	629	629	629	629	629	628	627	626	626	625	625	625	625	625	626	626	626	626	626	629	630	
31	630	630	630	630	630	630	630	630	630	630	630	630	629	629	628	628	628	628	628	628	629	629	629	629	629	630	631	631
AV	630	630	630	630	631	631	631	631	631	631	630	630	629	629	628	628	628	628	628	628	629	629	629	629	629	630	630	631
90	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

BAROMETRIC PRESSURE (CCI261)

MM OF HG

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

SEP, 1980

AEROENVIRONMENT INC.

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FINAL DATA

AS OF 31/MAR/A1

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	631	631	631	632	632	632	633	633	633	633	633	632	632	631	631	630	630	630	630	630	631	631	632	632	632	633
2	632	632	632	632	632	632	633	633	633	633	633	633	633	633	632	628	628	628	628	628	628	629	629	629	629	630
3	629	629	629	630	630	630	631	631	631	631	631	630	630	630	629	629	629	629	629	630	630	631	632	632	633	633
4	633	633	633	633	634	634	635	635	635	635	634	634	633	632	632	632	632	631	632	632	633	633	634	634	635	635
5	634	635	635	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
6	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
7	631	631	631	631	631	631	631	632	632	632	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
8	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
9	635	635	635	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
10	635	635	635	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
11	632	632	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
12	630	631	631	631	631	631	632	632	632	632	632	631	631	630	630	630	630	630	630	630	630	630	630	630	630	630
13	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
14	631	631	631	632	632	633	633	634	634	634	634	633	633	632	631	631	631	631	631	631	631	631	631	631	631	631
15	633	633	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
16	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629
17	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
18	632	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
19	628	627	628	628	628	628	628	628	628	628	628	627	627	626	625	625	625	625	625	625	625	625	625	625	625	625
20	630	630	630	630	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631
21	626	626	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627
22	634	634	634	634	634	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
23	634	634	634	634	634	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
24	633	633	633	633	633	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
25	633	634	634	634	634	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635	635
26	634	634	634	635	635	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
27	633	633	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
28	631	631	632	632	632	632	632	632	632	632	631	630	629	628	628	628	628	628	628	628	628	628	628	628	628	628
29	632	632	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
30	636	636	636	636	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637
AV	632	632	632	632	633	633	633	633	633	633	633	632	632	631	630	630	630	630	630	630	631	631	632	632	632	632
SD	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

AGOUT (29 JAN 81)

BAROMETRIC PRESSURE ICC:1261

MM OF HG

WHITE RIVER SHALE PROJECT, M139
BONANZA, UTAH
SITE 6

OCT, 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK
1	635	635	635	635	635	635	636	636	636	636	635	634	634	633	633	633	632	632	633	633	634	635	635	636	634
2	636	637	637	637	638	638	638	639	639	639	639	638	638	637	636	636	636	636	636	636	636	637	637	637	637
3	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
4	634	634	634	634	635	635	636	636	636	636	635	634	633	633	632	632	632	632	632	632	633	634	634	634	634
5	635	635	636	636	636	637	637	637	637	637	637	636	635	635	634	634	634	634	634	635	635	636	636	636	636
6	637	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
7	637	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
8	634	634	634	635	635	635	635	635	635	635	634	633	632	631	631	630	630	630	630	630	630	631	631	631	631
9	631	632	631	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
10	634	634	634	634	635	635	636	636	636	636	635	634	633	633	633	633	633	633	633	633	633	633	633	633	633
11	635	635	635	635	636	636	636	636	636	636	635	634	633	632	632	631	631	631	631	631	631	631	631	631	631
12	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
13	631	631	632	632	632	632	632	632	632	632	631	631	630	629	629	628	628	628	628	628	628	629	629	629	629
14	629	629	629	629	629	629	629	629	629	629	628	627	626	626	625	624	624	624	624	624	624	624	624	624	624
15	622	622	622	622	622	622	622	622	622	622	621	620	620	620	620	620	620	620	620	620	620	620	620	620	620
16	622	622	623	623	623	623	624	625	625	626	626	626	626	625	625	625	625	625	625	625	625	625	625	625	625
17	628	628	628	628	629	629	630	630	630	630	630	629	629	629	629	629	629	629	629	629	629	629	629	629	629
18	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
19	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
20	637	637	637	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
21	635	635	635	635	635	635	635	635	635	635	634	633	632	631	630	629	629	629	629	629	629	629	629	629	629
22	631	631	631	631	631	631	631	631	631	631	630	629	629	628	628	628	628	628	628	628	628	628	628	628	628
23	635	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636
24	639	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640
25	637	637	636	636	636	636	636	636	636	636	635	634	633	632	632	632	632	632	632	632	632	632	632	632	632
26	626	626	626	625	625	625	625	625	625	625	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624
27	625	626	626	626	626	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627
28	638	638	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639
29	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641
30	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640
31	630	638	638	638	639	639	639	639	640	640	639	638	637	636	636	635	635	635	635	636	636	637	637	637	637
AV	634	634	634	634	634	634	634	635	635	634	634	633	632	632	632	632	631	632	632	632	633	633	633	634	633
30	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5

BAROMETRIC PRESSURE ICC:261

MM OF HG

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 6

NOV. 1960

AEROSPIREMENT INC.

 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAM	
1	637	637	638	638	638	638	638	638	638	638	637	637	636	635	634	633	633	633	634	634	635	635	635	635	635	636	636
2	635	635	635	636	636	636	636	636	636	636	636	635	634	633	632	632	632	632	632	633	634	635	635	636	636	635	636
3	636	637	637	637	637	638	638	639	639	639	639	638	638	637	637	636	636	636	637	637	638	639	639	639	639	639	639
4	640	640	640	640	640	640	640	641	641	641	641	640	639	638	638	637	637	637	638	638	639	639	639	639	639	639	641
5	639	639	639	639	639	639	639	639	639	639	639	637	636	635	634	633	633	633	633	633	634	634	634	634	634	634	640
6	634	634	634	634	634	634	634	634	634	634	633	632	631	631	630	630	629	629	630	630	631	631	631	631	631	632	634
7	631	631	631	632	632	632	632	632	632	632	632	631	630	628	628	627	627	627	627	627	627	627	627	627	627	630	631
8	627	627	627	627	627	627	628	628	628	628	629	629	628	628	628	628	628	628	629	630	631	631	631	631	631	629	631
9	631	631	632	632	632	632	632	632	632	632	632	631	630	629	628	627	627	627	627	628	628	629	629	629	629	630	632
10	629	630	631	631	631	631	631	632	632	632	632	631	630	629	628	627	627	627	628	628	629	630	630	630	630	630	632
11	630	631	631	631	632	632	632	633	633	633	633	633	633	633	633	633	633	633	633	634	634	634	634	634	634	628	629
12	629	629	630	630	630	631	631	632	633	633	633	633	633	633	633	633	633	633	634	634	634	634	634	634	635	628	629
13	629	629	630	630	630	631	631	632	633	633	633	633	633	633	633	633	633	633	634	634	634	634	634	634	635	628	629
14	635	635	635	635	635	635	635	636	636	636	636	635	634	633	633	633	633	633	633	634	634	634	634	634	635	635	636
15	635	634	635	635	635	635	635	636	636	636	636	635	634	633	633	633	634	634	635	635	636	637	638	638	635	635	636
16	638	639	639	639	639	639	639	640	640	640	640	639	638	638	638	638	637	637	637	638	638	638	638	638	638	635	636
17	639	639	639	639	639	639	639	640	640	640	640	639	638	638	638	637	637	637	637	638	638	638	638	638	638	639	640
18	639	639	640	640	640	640	640	641	641	641	641	640	639	638	638	637	637	637	637	638	638	638	638	638	638	639	640
19	639	639	639	639	639	639	639	640	640	640	640	639	638	637	636	635	635	635	635	636	636	636	636	636	636	639	641
20	637	638	638	638	638	638	639	639	640	640	640	639	638	638	638	637	637	637	637	638	638	638	638	638	638	638	640
21	639	639	639	639	639	639	639	639	639	639	638	637	636	634	633	633	632	632	632	632	632	632	632	632	632	634	640
22	631	631	631	631	631	631	631	631	631	631	630	630	629	629	629	629	629	629	629	630	630	631	631	631	631	630	632
23	632	633	633	633	633	633	634	634	634	634	634	633	632	631	630	630	629	629	629	630	630	631	631	631	631	630	632
24	627	627	627	626	626	626	627	627	628	628	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	631	634
25	639	639	640	640	640	640	641	641	642	642	642	640	639	639	638	638	638	638	638	638	638	638	638	638	638	639	642
26	639	639	639	639	639	639	639	640	640	640	640	639	639	639	638	638	638	638	638	638	638	638	638	638	638	639	640
27	640	640	640	640	640	640	640	640	640	640	639	638	637	636	636	636	636	636	636	636	636	636	636	636	636	638	640
28	637	637	637	637	637	637	637	637	637	637	637	636	635	634	634	634	634	634	634	634	634	634	634	634	634	634	640
29	635	635	635	635	635	635	635	635	635	635	634	634	633	633	633	633	633	633	633	633	633	633	633	633	633	633	635
30	628	628	628	627	627	627	627	627	627	627	627	626	625	624	624	624	624	624	624	624	624	624	624	624	624	624	628
AV	635	635	635	635	635	635	635	635	636	636	635	635	634	633	633	632	632	632	632	633	633	634	634	634	634	634	634
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

BAROMETRIC PRESSURE (CCI261)

WHITE RIVER SHALE PROJECT, #139

MM OF HG

HONAHZA, UTAH

SITE 6

 * FINAL DATA *
 * AS OF 31/MAR/81 *

DEC. 1980

AERVIROMENT INC.

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG	PEAK	
1	624	624	624	624	625	626	627	628	629	631	631	630	630	630	630	630	630	630	631	631	632	632	632	632	629	632	
2	632	632	632	632	632	632	632	632	632	632	632	631	631	631	629	629	629	629	630	630	630	630	631	631	631	631	632
3	631	631	631	631	631	631	631	631	631	631	631	630	629	628	628	628	628	628	628	628	628	628	628	628	629	631	632
4	627	627	627	627	626	626	626	626	626	626	626	625	624	624	625	625	625	625	625	625	625	625	625	625	626	627	629
5	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	626	627	629
6	627	627	627	627	627	627	627	627	627	627	627	626	626	626	626	626	626	626	626	626	626	626	626	627	627	629	631
7	626	626	627	627	627	627	627	628	628	628	629	629	629	629	629	629	629	629	630	631	631	632	632	632	629	632	
8	633	633	634	634	634	634	634	634	635	635	635	634	634	634	633	633	633	633	633	633	633	633	633	633	629	633	
9	634	634	635	635	635	635	635	635	635	635	635	634	634	634	633	633	633	633	633	633	633	633	633	633	629	633	
10	641	641	641	642	641	642	642	642	642	642	642	641	641	640	640	639	640	640	640	640	640	641	641	641	641	641	
11	641	641	641	641	641	641	641	641	641	641	641	640	640	640	640	640	640	640	640	640	640	641	641	641	641	641	
12	639	639	639	639	638	638	638	638	638	638	638	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	
13	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	
14	640	640	640	640	640	640	640	641	641	641	641	640	640	640	640	640	640	640	640	640	640	640	640	640	640	641	
15	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	641	
16	641	641	641	641	641	641	641	641	641	641	641	641	641	640	640	640	640	640	640	640	640	641	641	641	641	641	
17	638	638	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	638	
18	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	
19	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	
20	636	636	636	636	636	636	636	637	637	637	637	636	635	634	634	634	634	634	634	634	634	634	634	634	634	635	
21	636	636	636	636	636	636	636	636	636	636	636	636	635	634	634	634	634	634	634	634	634	634	634	634	634	635	
22	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	
23	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	
24	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	
25	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	
26	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	
27	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	639	
28	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	636	
29	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	
30	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	640	
31	638	638	638	638	638	638	638	638	638	638	638	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	
AV	635	635	635	635	635	635	636	636	636	636	636	636	635	634	634	634	633	634	634	634	635	635	635	635	635	635	
30	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	5	5	

RELATIVE HUMIDITY (CC130)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

PERCENT

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*
* FINAL DATA *
* AS OF 31/MAR/A *
*
*

APR, 1980

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
2	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
3	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
4	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
5	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
6	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
7	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
8	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
9	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
10	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
11	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
12	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
13	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
14	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
15	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
16	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
17	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
18	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
19	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
20	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
21	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
22	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
23	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
24	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
25	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
26	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
27	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
28	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
29	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
30	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R	10R
AV))))))))))))))))))))))))))
SD))))))))))))))))))))))))))

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 6

MAY, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1	10R1
2	73	75	79	80	80	80	75	70	62	49	44	39	39	37	35	38	40	42	47	51	55	60	66	70	70	47	70
3	67	70	72	78	85	87	83	68	57	47	39	34	30	27	25	27	27	37	41	50	57	64	65	62	55	55	60
4	5	76	79	82	83	81	75	67	60	49	43	38	36	36	42	43	41	44	51	62	67	69	73	60	63	60	83
5	77	76	78	77	79	76	62	45	39	37	37	34	32	32	33	34	66	63	64	67	71	76	71	75	61	79	61
6	74	42	83	82	83	84	76	64	49	49	59	58	51	37	33	34	55	75	85	81	82	83	86	85	66	86	86
7	84	82	81	81	77	66	54	45	48	59	56	47	37	28	27	39	72	73	72	66	64	66	72	77	61	84	84
8	72	70	70	70	69	64	55	50	48	45	39	45	51	44	38	49	49	69	79	83	83	84	86	83	62	86	86
9	85	88	87	86	86	83	79	65	51	47	57	44	40	41	29	32	32	44	59	63	69	82	86	86	63	88	88
10	84	82	81	79	79	74	62	62	58	54	53	65	70	61	67	68	81	81	79	78	65	71	79	82	71	84	84
11	73	72	68	64	64	65	67	64	56	56	57	53	46	43	40	43	56	63	75	78	81	81	82	83	64	83	64
12	83	82	85	87	86	85	73	71	62	53	46	43	38	34	30	36	47	44	47	57	66	71	75	79	62	87	87
13	80	78	80	82	84	83	65	55	45	42	35	30	29	34	38	37	43	47	53	60	64	70	76	81	54	84	84
14	81	82	82	81	66	57	54	49	43	39	34	31	32	34	38	33	31	28	39	45	49	52	56	57	50	82	82
15	64	69	73	78	82	83	83	64	50	41	33	31	32	42	56	61	49	61	69	86	87	83	79	67	63	87	87
16	68	73	76	71	53	57	58	53	47	49	44	41	37	38	37	36	39	41	44	48	54	60	73	77	53	77	77
17	79	82	83	84	85	85	78	64	53	48	40	33	29	24	21	17	17	17	21	37	51	54	59	63	51	65	65
18	63	68	73	75	76	73	61	53	36	33	29	25	21	19	17	16	15	16	21	28	41	46	49	54	42	76	76
19	61	64	69	75	77	74	60	55	42	38	35	29	25	22	20	19	18	18	20	27	39	48	51	51	41	77	77
20	57	62	67	72	75	70	59	50	40	33	31	28	24	19	17	15	15	15	16	20	31	41	46	49	40	75	75
21	53	58	61	67	73	74	70	63	55	48	39	36	32	27	17	16	24	33	39	41	42	41	44	45	46	74	74
22	43	42	40	41	43	41	42	42	39	36	36	34	33	32	32	29	26	24	24	31	40	42	44	44	36	48	48
23	32	29	27	29	30	34	36	32	29	31	30	30	29	34	39	40	37	39	35	37	44	45	45	46	35	46	46
24	47	50	52	51	50	47	45	43	44	43	41	37	35	32	34	48	60	71	72	72	74	84	85	85	54	85	85
25	89	90	91	87	83	85	82	62	54	24	22	19	12	10	10	9	8	9	11	14	20	33	38	42	42	91	91
26	45	49	53	57	58	55	43	37	32	19	18	16	14	14	13	11	12	13	15	15	19	28	38	40	30	58	58
27	45	49	53	57	58	55	43	37	32	19	18	16	14	14	13	11	12	13	15	15	19	28	38	40	30	58	58
28	42	42	45	49	54	54	43	33	33	27	18	17	15	13	12	11	11	11	11	11	14	24	31	40	30	58	58
29	58	66	69	64	64	64	59	57	64	77	61	49	38	32	27	23	21	21	21	22	26	35	48	53	41	77	77
30	58	60	58	60	63	64	62	54	47	38	34	26	23	21	15	12	12	12	10	9	11	17	23	27	34	64	64
31	33	37	38	42	47	44	42	50	47	43	38	34	29	27	25	22	20	20	21	26	33	38	44	50	35	50	50
AV	65	65	68	70	70	68	62	55	48	43	40	36	33	32	32	32	35	39	43	47	52	58	61	63	50	50	50
90	17	16	16	15	15	15	13	11	10	12	11	11	12	12	15	16	19	22	23	23	21	20	19	18	12	12	12

RELATIVE HUMIDITY ICC130)

PERCENT

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 6

JUN, 1960

AEROENVIRONMENT INC.

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 * FINAL DATA *
 * AS OF 31/MAR/61 *
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 *.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PEAK
1	54	58	61	64	57	46	41	38	32	31	34	29	27	47	44	42	51	62	71	82	83	82	83	84	84
2	91	90	86	70	60	52	46	38	34	22	20	19	18	16	14	13	12	12	12	12	13	19	22	23	34
3	26	28	30	35	36	35	29	22	19	18	16	13	11	10	9	8	8	7	7	7	6	12	16	19	1A
4	22	26	26	26	2A	30	29	25	21	20	19	17	15	14	12	10	9	10	12	13	14	15	16	17	19
5	21	25	31	33	37	40	38	33	27	23	20	17	16	15	13	11	10	11	11	12	14	15	18	1A	21
6	19	24	29	33	36	35	26	22	21	17	16	14	13	13	12	11	9	10	18	24	26	28	31	22	3A
7	37	46	51	54	56	59	61	53	47	43	39	38	33	29	27	26	24	23	22	22	22	24	29	35	61
8	38	39	40	41	43	49	52	51	44	35	32	31	28	22	17	15	15	14	14	14	15	17	23	27	30
9	32	35	39	43	48	50	49	42	34	30	28	24	20	17	16	16	16	16	16	14	14	15	17	23	50
10	35	38	42	46	50	48	42	34	29	27	25	22	17	14	13	13	14	14	14	14	15	16	17	17	26
11	18	18	19	21	23	27	29	66	21	21	17	15	14	13	12	11	11	11	12	13	15	16	16	19	66
12	17	17	18	18	20	20	21	19	18	16	15	14	14	13	13	13	13	13	12	12	11	12	13	15	21
13	14	21	24	26	28	30	31	28	24	17	14	12	11	10	9	8	7	7	7	7	7	7	7	7	16
14	13	15	16	17	20	23	24	23	20	18	15	13	12	11	10	10	10	10	10	10	10	10	10	10	40
15	42	45	48	52	58	60	57	53	46	37	34	34	33	30	27	26	27	27	27	27	27	27	31	37	40
16	39	44	47	50	57	58	51	44	42	39	35	35	30	28	27	25	22	20	20	20	20	24	33	36	5A
17	38	41	43	44	45	43	37	33	32	32	31	28	24	22	19	17	16	16	17	17	18	21	24	29	45
18	32	34	35	37	39	42	44	43	36	26	26	24	22	21	19	18	18	18	18	18	19	20	23	26	30
19	33	35	36	38	40	42	42	38	35	35	34	31	25	26	25	24	23	23	24	24	34	38	40	43	43
20	45	47	50	52	53	49	42	39	31	29	26	24	18	14	11	11	11	11	12	14	16	18	19	24	53
21	21	23	25	28	32	34	35	36	34	29	26	21	20	19	17	15	14	14	14	14	13	14	16	19	22
22	22	23	25	28	30	32	34	37	34	35	30	26	24	23	20	18	15	15	15	11	11	11	14	16	36
23	17	18	18	17	18	20	21	21	17	15	13	12	10	10	10	10	10	10	11	11	11	11	12	14	3A
24	24	27	29	32	33	32	27	24	22	21	18	17	15	13	12	12	11	11	11	12	12	14	15	17	19
25	17	18	21	23	25	27	27	25	21	20	18	16	15	13	12	12	12	13	15	17	19	22	23	26	27
26	28	30	32	34	36	35	32	28	27	23	20	19	16	13	12	10	10	10	10	11	11	13	14	16	20
27	20	23	29	29	28	28	27	25	24	22	21	17	15	15	12	10	10	10	10	19	20	22	24	28	29
28	31	33	36	40	42	40	36	33	26	24	23	21	19	18	17	17	17	17	17	17	20	23	30	32	27
29	33	34	34	34	35	33	31	28	26	24	24	23	22	21	22	23	23	27	29	29	31	32	33	33	29
30	36	39	40	42	45	46	47	45	44	54	50	49	45	41	38	37	37	38	72	66	67	78	81	78	81
AV	31	33	35	37	39	39	37	35	30	27	25	23	20	19	18	17	16	17	19	20	22	24	27	29	27
30	15	15	14	13	12	11	10	11	9	9	9	9	8	9	9	8	9	11	15	16	16	17	17	16	10

RELATIVE HUMIDITY (CC130)
PERCENT

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

.....
* FRIAL DATA *
* AS OF 31/MAR/81 *
*

JUL, 1980
AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	74	72	75	75	75	70	60	50	48	52	52	45	38	34	34	48	51	49	62	66	74	77	84	83	60	89
2	83	81	81	83	85	85	84	84	70	60	47	45	50	48	42	40	36	34	43	54	59	62	63	66	62	85
3	70	74	77	81	80	71	60	54	45	40	39	34	29	27	24	23	19	15	13	13	16	21	29	36	41	81
4	47	49	52	48	47	44	39	34	33	33	29	27	25	22	18	17	13	12	10	9	12	15	20	29	52	
5	22	25	28	31	33	36	40	39	38	28	20	17	15	13	11	9	4	3	3	3	2	3	5	5	14	43
6	8	7	7	7	8	9	12	18	25	29	28	23	17	14	12	10	9	8	7	8	9	10	12	13	11	29
7	13	14	17	20	23	27	29	34	35	39	42	39	36	35	32	26	23	23	26	29	30	32	34	39	29	42
8	45	49	53	59	58	56	57	59	59	50	44	41	37	35	33	32	30	25	25	31	51	54	60	65	46	65
9	70	74	76	74	79	80	70	58	32	31	27	25	23	22	22	22	22	22	23	25	29	32	32	35	46	80
10	40	43	49	53	56	53	44	33	28	24	22	21	20	18	19	18	19	18	19	25	28	29	31	34	36	56
11	39	43	49	54	58	60	58	51	41	34	29	26	21	20	19	23	23	20	18	19	21	25	29	35	34	60
12	38	42	43	47	51	50	49	46	36	33	32	33	61	51	30	25	23	24	24	25	27	31	36	38	37	61
13	40	42	44	48	51	52	52	63	59	47	40	36	33	27	22	28	32	45	43	42	42	51	56	59	44	63
14	59	59	61	64	67	72	69	59	47	43	29	27	26	20	17	17	17	17	17	17	20	23	24	27	37	72
15	30	30	31	32	35	38	34	27	22	19	18	18	18	17	16	16	17	18	19	21	25	24	33	35	25	38
16	37	40	45	50	54	53	48	41	35	34	31	29	26	23	21	18	17	17	17	18	20	26	30	33	32	54
17	35	36	38	41	42	44	43	38	32	28	27	25	21	18	16	14	12	12	13	16	17	20	21	24	26	44
18	28	31	32	33	36	40	43	39	36	31	29	26	26	25	20	18	16	14	14	15	17	18	21	22	24	43
19	24	26	26	27	28	30	32	32	29	24	23	22	21	20	18	17	16	16	18	19	21	23	24	27	24	32
20	30	33	37	40	43	45	46	40	36	34	27	24	20	17	16	14	13	12	12	15	20	22	25	29	30	47
21	32	35	37	39	42	45	46	40	36	34	27	24	20	17	16	14	13	12	12	15	20	22	25	29	26	46
22	28	29	31	31	33	35	32	28	26	26	24	22	19	17	16	16	17	17	18	20	23	25	26	27	24	35
23	28	30	30	32	35	39	37	32	29	28	25	24	23	21	25	51	45	39	37	42	48	47	50	53	55	53
24	57	57	59	63	62	61	54	48	40	33	30	27	24	23	23	23	21	46	36	32	34	39	49	63	42	63
25	70	72	72	73	72	61	50	45	35	35	24	22	19	15	13	14	14	19	23	31	35	36	40	46	41	73
26	42	43	45	45	49	48	42	32	28	26	21	16	13	12	12	12	12	12	14	21	26	29	33	36	24	49
27	39	41	45	44	52	47	44	37	30	24	19	14	13	12	11	11	11	12	12	14	17	20	23	25	24	52
28	28	32	34	36	40	40	36	31	28	26	21	18	16	12	9	7	5	4	5	6	6	8	10	15	20	40
29	19	22	24	27	29	30	31	30	25	23	23	22	21	21	25	28	27	32	36	38	41	41	43	46	29	46
30	48	47	50	54	58	61	65	58	50	43	35	33	30	28	28	28	27	27	32	36	44	53	56	59	44	65
31	61	63	66	67	69	63	52	41	33	30	26	21	18	16	16	16	17	19	22	26	30	33	34	36	36	69
AV	41	43	46	48	50	48	43	37	34	30	27	25	23	21	20	21	20	21	22	24	28	31	34	37	34	61
SD	16	18	18	18	18	17	14	13	11	9	8	6	10	9	7	10	10	11	13	14	16	14	17	17	11	61

RELATIVE HUMIDITY (CC1301

PERCENT

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

AUG, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	36	39	43	46	48	49	47	46	44	40	32	32	30	29	28	28	27	35	44	43	43	44	47	52	40	52	
2	57	59	61	65	67	69	66	55	46	44	41	37	30	27	23	22	20	19	16	16	20	24	27	30	39	69	
3	31	34	35	36	40	37	37	34	30	29	30	26	22	21	21	21	19	17	16	17	19	21	23	25	27	40	
4	28	31	34	36	39	43	44	39	34	29	24	17	14	13	11	10	10	10	12	15	17	19	21	23	24	44	
5	25	29	30	31	33	34	35	33	30	25	23	22	22	21	21	21	19	18	19	20	21	23	24	24	25	35	
6	26	29	32	34	37	40	36	35	30	29	25	25	25	21	18	17	17	17	17	17	19	21	25	27	26	40	
7	28	30	34	36	39	41	38	31	29	26	24	23	23	21	20	19	19	18	18	19	21	23	25	27	27	41	
8	25	26	27	28	30	33	36	34	29	28	26	24	22	21	19	18	17	17	18	19	21	23	24	25	25	36	
9	27	33	35	37	41	45	40	39	35	31	27	25	22	19	18	18	18	18	19	22	25	27	29	29	28	45	
10	31	32	34	37	39	40	42	40	34	29	26	25	21	17	15	14	14	14	14	13	14	15	18	20	25	42	
11	21	23	25	27	29	31	33	32	29	22	21	19	17	14	12	10	10	10	12	14	15	16	17	20	20	33	
12	18	19	21	22	24	25	25	23	22	25	26	26	23	22	22	23	22	25	27	28	31	35	38	39	25	34	
13	41	44	48	52	52	54	54	49	42	40	38	36	32	30	28	29	35	44	50	50	55	55	56	59	45	59	
14	60	63	65	67	69	70	70	68	59	53	46	42	37	35	31	32	32	30	31	36	62	67	69	67	53	70	
15	70	80	84	82	77	72	74	74	69	58	48	52	46	35	26	21	25	28	48	59	63	64	72	74	59	64	
16	78	79	79	80	77	74	75	62	51	41	30	29	27	23	20	18	17	17	17	20	29	41	45	44	45	80	
17	55	59	65	66	70	73	73	61	47	41	38	34	27	18	16	13	12	12	12	12	13	20	23	26	37	73	
18	29	30	33	35	39	45	49	45	36	22	17	15	13	12	11	8	5	6	6	8	10	13	15	18	22	49	
19	21	22	20	22	21	22	22	21	19	19	18	19	16	20	28	33	34	35	44	48	45	46	47	47	29	48	
20	50	58	67	69	68	68	68	61	53	37	35	32	28	23	19	18	17	16	16	19	23	27	32	36	39	69	
21	39	41	44	47	49	53	53	47	37	32	29	26	21	19	18	16	14	13	14	18	18	21	24	27	30	53	
22	30	33	35	39	42	45	45	37	29	25	19	15	12	13	16	15	17	18	19	21	24	29	30	32	27	45	
23	33	33	40	45	45	47	51	46	41	39	38	36	41	41	41	59	41	79	77	67	62	61	62	66	51	81	
24	69	74	77	78	77	74	74	66	52	49	45	42	40	37	37	38	36	37	41	65	70	76	73	71	58	78	
25	75	81	81	81	81	81	77	65	56	55	66	84	85	82	76	65	76	73	68	75	76	78	81	81	75	85	
26	82	83	82	82	82	82	79	67	62	54	39	36	33	28	25	22	26	28	29	37	44	47	55	61	53	83	
27	67	71	73	75	76	78	79	70	54	46	33	32	27	23	19	14	13	16	24	33	35	41	42	43	45	79	
28	39	38	39	45	52	59	63	57	48	36	22	18	10	7	6	7	8	8	10	12	14	14	17	20	27	63	
29	21	21	20	19	19	23	26	24	20	17	13	9	9	9	8	8	9	10	13	15	17	18	19	19	16	26	
30	21	23	29	34	43	47	46	40	34	27	19	17	15	14	13	12	12	13	21	25	28	33	39	46	27	47	
31	53	55	58	61	61	61	59	56	48	40	35	32	27	25	24	25	25	26	27	31	40	42	49	52	42	61	
AV	41	44	47	49	50	52	52	47	40	35	31	29	26	24	22	22	23	23	26	28	32	35	37	40	36	1	
50	19	20	20	20	19	18	17	15	13	11	11	14	14	13	12	13	17	17	17	18	19	19	19	19	19	19	1

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 6

SEP, 1980

AEROSOL ENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*.....

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	55	57	61	66	67	70	71	65	52	30	28	24	21	19	18	17	16	17	21	29	35	37	40	44	40	71	
2	46	46	48	52	55	59	54	44	37	29	26	23	21	18	15	13	14	15	16	21	21	23	22	24	26	31	
3	29	29	29	31	36	40	42	30	31	27	23	22	20	19	17	17	17	18	18	20	22	27	32	35	35	42	
4	40	42	46	48	51	55	57	52	43	36	34	30	25	21	19	15	15	15	16	20	28	32	34	37	38	57	
5	39	40	43	45	54	52	54	51	44	37	32	28	19	18	16	15	14	15	20	24	28	30	32	34	32	54	
6	35	38	41	43	46	47	44	39	37	34	32	30	26	30	30	30	29	29	31	35	40	41	44	46	46	47	
7	47	51	54	58	63	67	65	63	63	60	76	70	65	57	52	64	61	79	61	82	83	83	83	84	84	84	
8	80	79	82	82	81	82	81	80	78	72	71	75	76	68	56	47	48	51	58	66	69	78	80	79	72	82	
9	81	82	82	82	82	82	82	78	75	67	52	51	56	57	54	59	67	66	68	75	80	83	83	83	82	71	
10	82	82	82	82	80	80	80	79	74	64	64	64	83	82	76	68	57	52	56	57	59	63	63	61	61	72	
11	67	75	78	80	82	82	75	68	59	43	39	35	32	31	31	36	45	49	50	54	61	64	65	65	56	82	
12	66	66	64	66	72	76	71	61	55	44	42	38	35	32	29	26	27	36	42	47	54	68	70	69	52	76	
13	69	74	76	77	80	83	82	71	64	53	45	37	23	18	17	15	12	11	13	17	24	29	33	36	44	83	
14	37	39	47	51	53	56	60	57	49	37	26	15	18	19	16	16	16	17	17	27	33	35	39	46	34	60	
15	51	54	56	62	65	67	67	59	51	39	31	26	23	20	18	17	17	20	24	27	31	35	38	41	39	67	
16	44	47	52	57	55	50	44	37	30	22	19	18	16	14	14	15	17	18	20	22	25	28	32	35	30	57	
17	37	41	42	43	45	42	41	39	37	35	33	30	26	24	20	19	18	17	16	17	20	26	31	33	31	45	
18	33	36	39	42	45	48	51	53	51	44	39	33	29	25	24	20	19	19	21	22	24	25	24	24	33	53	
19	25	27	28	29	29	30	31	32	31	29	26	24	21	20	19	19	20	23	28	32	33	39	50	64	30	68	
20	66	71	74	78	82	80	78	76	66	55	40	36	33	30	25	23	21	20	20	20	20	22	23	26	45	82	
21	29	31	35	39	45	51	53	49	42	34	32	30	29	28	27	27	29	35	38	39	40	37	37	43	47	53	
22	49	54	57	61	63	66	68	64	53	44	35	28	27	25	22	21	18	17	17	20	27	30	33	35	39	68	
23	39	42	44	45	48	51	54	52	46	41	33	29	24	18	16	16	16	16	17	20	26	33	36	39	33	54	
24	40	41	43	46	47	50	55	54	52	44	38	28	24	21	19	18	17	18	25	33	37	40	41	44	36	55	
25	46	48	47	46	47	48	47	42	39	34	30	25	22	21	20	19	19	19	26	33	36	38	41	43	35	48	
26	46	49	51	54	55	56	56	50	42	36	33	29	28	24	21	19	18	18	21	26	32	36	38	39	37	56	
27	41	43	46	49	51	52	55	49	43	38	33	30	28	22	19	17	17	17	19	26	32	35	40	43	35	58	
28	46	47	52	54	55	56	57	53	44	38	33	30	27	23	20	20	20	21	25	29	28	25	32	37	37	57	
29	41	45	47	51	54	55	55	50	44	37	33	28	27	25	21	18	17	17	18	22	28	31	33	33	33	55	
30	35	38	40	43	45	47	50	50	46	40	35	29	25	22	21	19	17	17	17	20	26	30	32	33	32	32	50
AV	48	50	53	55	58	59	59	55	49	42	38	34	31	28	25	24	25	26	29	33	37	40	43	45	45	41	1
SD	16	16	15	15	15	14	13	13	12	14	15	16	16	15	13	14	16	17	17	17	17	17	17	16	16	11	1

RELATIVE HUMIDITY ICC130)
PERCENT

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE A

* FINAL DATA *
* AS OF 31/MAR/81 *

OCT, 1980

AFROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	34	37	40	42	44	47	50	51	49	44	33	32	28	23	21	19	18	18	19	22	26	26	27	27	32	51	
2	28	31	35	37	39	42	45	44	40	38	36	33	30	28	26	25	24	23	23	26	32	36	38	41	33	45	
3	42	43	45	47	50	52	54	55	51	44	39	29	26	23	20	18	17	18	23	23	32	34	37	39	36	55	
4	41	43	45	47	49	51	52	48	43	38	34	29	25	23	21	19	17	17	21	24	27	29	31	32	34	52	
5	34	35	37	39	40	43	44	44	40	34	30	28	24	24	24	23	23	23	26	32	37	38	40	43	34	44	
6	45	48	50	53	54	55	57	54	48	41	36	32	28	27	25	23	22	21	22	27	33	37	39	41	31	57	
7	43	46	48	49	51	53	55	53	48	42	36	32	30	27	24	23	23	23	24	30	35	36	38	40	31	55	
8	43	45	48	50	52	54	56	56	52	37	35	32	28	25	22	20	19	21	26	31	36	37	39	41	31	56	
9	43	45	46	48	51	53	55	53	46	40	38	33	29	26	24	23	23	24	29	34	36	36	38	41	31	55	
10	43	45	47	49	51	52	50	47	43	41	40	38	35	32	28	27	27	27	31	35	40	40	42	44	40	52	
11	45	46	48	50	52	54	55	55	50	45	39	36	34	31	29	26	25	25	26	27	30	31	32	33	39	55	
12	35	37	40	45	48	50	50	50	49	47	46	42	38	33	31	29	29	29	33	49	67	65	64	67	61	86	
13	75	76	76	77	78	79	80	80	74	62	55	49	45	42	43	47	49	47	48	74	85	85	84	84	64	85	
14	84	84	84	84	85	84	84	84	84	81	73	73	67	60	47	50	50	52	56	66	79	83	83	81	71	85	
15	78	75	70	70	63	62	70	65	62	52	43	41	47	65	68	55	57	61	64	66	71	74	75	76	64	78	
16	80	84	85	83	77	76	75	77	82	83	84	83	81	78	75	72	63	57	49	43	46	43	43	44	44	85	
17	44	48	53	59	66	67	65	65	61	52	44	35	34	35	33	29	34	36	38	40	44	49	52	55	47	67	
18	58	60	63	65	65	65	62	57	49	42	34	35	31	30	29	29	29	33	49	57	60	64	72	75	52	75	
19	76	79	80	83	83	83	83	79	67	53	46	42	38	35	33	32	32	34	44	60	67	72	75	76	61	83	
20	80	82	84	86	86	86	86	82	72	51	46	42	38	33	29	25	24	33	49	60	66	70	72	73	61	86	
21	76	79	83	83	82	85	87	74	62	49	40	33	28	24	22	21	21	27	38	48	56	60	55	54	54	87	
22	63	67	69	69	71	73	75	73	60	40	37	30	18	15	16	12	12	11	11	9	14	19	23	27	11	75	
23	35	43	54	60	64	65	59	58	60	59	54	49	35	35	32	30	28	28	30	38	47	52	59	62	47	65	
24	64	67	69	73	75	77	79	81	82	50	39	34	31	27	24	23	23	25	31	42	52	56	59	61	52	82	
25	64	67	70	73	76	79	80	79	66	54	43	39	32	27	25	23	22	22	32	43	48	50	52	52	51	80	
26	53	54	57	59	61	66	67	68	66	61	54	49	51	67	78	89	79	83	87	87	87	87	87	87	87	87	
27	87	87	86	82	79	78	79	72	56	53	53	53	54	50	42	39	39	42	44	45	45	47	49	52	60	87	
28	55	58	60	66	71	76	75	75	62	47	42	39	36	34	32	31	32	35	43	54	63	67	70	70	54	76	
29	73	77	78	78	80	82	83	85	84	73	58	35	30	26	25	26	29	35	45	53	59	67	70	70	58	85	
30	71	78	78	80	83	84	84	75	63	48	39	34	32	27	25	24	25	31	43	54	63	67	69	71	56	84	
31	73	75	78	78	79	81	81	81	71	55	47	38	32	29	27	26	29	35	42	51	58	62	65	68	57	81	
AV	57	59	61	63	65	66	67	66	61	51	44	41	38	36	34	33	32	33	38	49	49	52	54	56	50	61	
SD	18	17	16	15	15	14	14	13	13	12	11	13	15	17	18	18	17	16	17	17	18	18	18	17	17	12	11

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*.....

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	69	70	73	76	79	81	81	81	76	65	52	41	37	33	30	27	26	30	36	45	53	58	57	58	54	81
2	63	64	66	69	69	70	75	74	70	53	46	34	36	33	28	26	26	29	37	46	52	56	60	61	54	75
3	62	64	68	70	70	70	74	76	73	66	42	34	30	28	26	26	31	37	42	45	48	51	55	59	52	76
4	63	65	68	70	71	73	74	71	63	51	47	42	38	36	36	37	36	40	50	59	63	67	71	75	57	75
5	79	82	85	87	90	88	88	89	75	58	45	39	36	34	31	30	31	37	47	58	65	70	73	75	67	90
6	77	80	82	83	85	87	88	85	75	59	50	43	38	35	32	30	31	35	42	43	43	40	41	41	56	88
7	44	47	53	62	67	69	71	70	69	58	47	40	30	25	21	21	22	27	30	31	32	33	34	37	43	71
8	33	31	29	27	26	27	27	27	27	26	28	31	33	33	33	32	32	34	37	43	48	52	59	62	35	62
9	64	67	71	74	77	79	82	82	75	60	49	40	37	32	28	26	25	30	40	45	46	48	52	55	54	82
10	57	61	67	70	72	75	78	77	71	58	48	41	38	35	31	27	25	27	36	44	47	47	47	46	51	78
11	48	49	51	55	59	62	65	67	65	61	56	52	45	43	38	33	32	36	40	41	41	42	44	47	49	67
12	50	51	54	60	65	66	62	62	59	55	48	50	49	47	58	79	78	79	88	89	85	84	85	84	66	89
13	84	84	84	78	77	74	73	69	64	58	54	54	53	52	51	53	52	51	51	51	52	52	52	52	60	84
14	53	54	55	59	65	61	61	57	54	42	39	39	38	38	35	38	60	68	67	65	67	72	76	78	56	78
15	80	79	79	79	80	78	77	71	63	59	53	44	39	36	36	37	39	43	46	42	40	43	46	49	54	80
16	52	56	64	72	75	75	77	73	59	47	41	37	35	33	33	35	41	49	56	64	64	61	62	65	55	77
17	67	70	71	72	75	75	76	72	63	55	39	34	30	27	25	24	30	42	54	58	61	64	67	69	95	76
18	72	73	74	76	77	79	80	78	69	54	43	38	34	31	29	28	29	38	47	52	56	59	61	62	54	80
19	66	69	71	74	75	78	79	78	63	52	45	39	34	29	27	26	26	33	43	52	54	58	63	64	54	79
20	63	66	68	71	74	75	75	76	70	58	48	38	33	31	30	30	32	37	45	55	59	64	66	69	56	76
21	71	74	76	79	80	81	82	82	73	61	49	44	40	34	32	31	30	32	41	51	56	59	61	63	58	82
22	65	64	65	67	68	69	69	68	67	61	50	42	34	31	32	41	48	59	66	68	70	72	75	79	60	79
23	82	83	82	81	80	82	83	84	82	70	59	50	42	39	39	39	40	43	47	51	51	68	88	88	65	88
24	87	85	84	85	86	86	86	86	86	84	81	74	72	64	67	72	58	58	63	58	69	73	72	70	75	87
25	72	74	75	75	78	77	76	69	61	54	53	52	45	44	47	51	58	58	65	69	70	71	73	73	65	78
26	76	80	82	82	83	82	80	74	63	55	52	49	50	49	48	48	48	53	63	71	78	79	78	77	69	83
27	78	80	80	81	82	81	80	78	72	65	59	55	50	48	46	47	53	62	68	71	77	80	80	82	68	82
28	83	83	83	83	84	83	83	81	75	62	55	52	48	45	44	48	48	56	65	72	76	78	81	83	69	84
29	84	84	86	86	87	87	87	87	86	82	70	64	58	57	54	53	58	66	70	74	76	77	78	79	75	87
30	80	81	82	81	82	83	83	80	75	64	54	44	40	38	28	25	25	27	30	33	30	28	26	29	52	83
AV	67	69	71	73	74	75	76	74	69	59	50	45	41	38	36	37	39	44	50	55	58	60	63	68	58	71
SD	13	13	12	12	11	11	11	12	11	10	9	9	9	9	11	13	13	14	13	11	14	14	15	15	15	11

RELATIVE HUMIDITY (CC130)

PERCENT

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 6

DEC. 1980

AEROENVIRONMENT INC.

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 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	30	33	37	47	54	63	65	65	61	50	45	36	33	31	29	29	33	34	48	54	63	67	69	70	44	70
2	71	75	77	75	77	79	81	80	73	56	50	49	45	42	41	41	45	52	57	61	62	63	65	65	62	81
3	66	68	70	70	70	70	70	72	70	68	60	52	44	43	37	32	32	25	26	30	29	28	34	40	50	72
4	46	53	56	59	55	52	45	39	30	22	20	20	18	20	30	34	37	46	50	54	56	55	61	42	61	
5	65	60	62	65	69	70	70	72	71	63	57	61	69	74	69	74	69	75	78	83	84	87	87	87	72	88
6	87	86	86	85	85	85	84	84	84	84	80	73	67	60	57	62	62	59	66	71	73	77	80	82	76	87
7	84	85	86	86	86	85	84	83	83	82	77	69	70	71	68	73	76	75	69	61	57	59	56	54	74	86
8	57	55	53	52	55	58	59	57	53	45	37	43	45	45	44	44	44	47	59	69	74	73	69	72	56	74
9	71	73	75	73	73	77	78	78	71	62	54	50	45	41	37	37	45	61	68	64	69	72	74	74	64	74
10	77	78	79	78	79	79	79	79	74	67	59	51	45	39	38	36	34	43	52	64	70	71	73	76	64	79
11	75	77	79	81	82	80	80	80	79	63	57	48	43	41	38	34	35	40	50	62	69	72	75	76	64	82
12	74	79	80	79	81	81	83	83	83	82	78	68	52	42	36	33	34	40	49	60	68	74	77	80	65	83
13	81	82	82	84	84	84	84	83	84	78	65	52	44	39	35	30	31	38	50	59	65	68	71	75	65	84
14	76	75	78	81	81	83	84	81	82	75	63	53	43	36	34	35	39	44	57	64	68	69	69	72	64	84
15	76	75	75	78	79	79	80	80	79	60	55	47	42	38	32	31	32	41	51	60	68	73	74	77	62	80
16	81	84	85	86	89	89	89	88	84	71	59	44	42	40	40	39	42	49	59	71	78	79	82	83	69	89
17	85	87	88	88	89	89	90	89	86	74	59	54	46	41	38	34	41	49	54	67	75	78	80	81	70	90
18	83	83	84	81	82	83	82	83	83	73	61	48	39	35	34	35	34	43	52	60	62	65	69	62	64	84
19	74	76	77	79	80	82	83	87	87	72	62	49	41	36	35	34	37	42	51	65	72	75	78	81	65	87
20	83	85	86	87	89	90	90	89	89	84	69	58	54	51	44	42	43	49	58	68	76	81	83	84	72	90
21	65	66	67	67	65	66	66	68	68	64	61	51	47	40	36	35	39	46	57	65	68	69	68	64	67	84
22	67	67	69	70	74	75	76	73	76	74	63	46	38	34	35	37	38	40	43	47	50	53	57	59	54	76
23	56	64	72	80	80	87	88	88	84	70	55	44	36	30	27	25	25	37	47	53	52	55	58	62	58	84
24	65	70	73	75	76	77	79	79	76	75	71	58	45	42	44	43	42	44	47	56	66	69	71	75	64	79
25	77	79	80	79	81	81	82	83	81	78	69	53	46	42	37	33	34	36	40	45	50	54	60	62	65	83
26	67	69	72	74	77	82	88	90	90	76	67	54	42	39	37	38	44	55	67	74	76	80	80	82	65	90
27	84	86	88	90	89	90	90	90	86	74	59	49	44	42	42	45	51	54	67	74	77	79	80	80	71	90
28	81	82	81	82	82	85	87	86	82	72	60	52	49	46	45	44	47	54	66	73	78	82	84	86	70	87
29	88	89	90	91	92	92	92	92	87	75	66	54	46	42	39	37	37	43	57	69	73	75	78	80	70	92
30	83	84	85	86	88	87	88	87	86	78	64	52	47	42	39	38	39	43	51	63	71	73	77	80	64	84
31	79	82	83	84	85	87	89	90	88	77	62	48	40	39	38	36	37	42	49	62	70	75	77	80	64	84
AV	73	75	77	78	79	80	81	81	78	69	59	50	45	42	40	39	42	47	55	62	67	69	71	73	64	77
SD	13	12	11	10	10	9	10	11	12	12	11	9	9	10	10	10	11	11	10	10	11	11	11	10	7	7

SITE 11

WIND SPEED ICC1011

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#1139

BONANZA, UTAH

SITE 11

JAN. 1980

AFPROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.0	2.5	2.5	4.0	5.0	3.0	3.5	2.5	3.5	2.5	3.5	3.0	5.0	3.0	4.0	4.5	3.5	3.5	3.0	4.0	3.5	3.5	2.5	3.0	3.5	5.0	
2	2.0	2.0	2.5	2.0	2.0	4.5	2.5	1.5	2.5	2.5	3.0	2.0	2.5	3.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	2.0	2.0	2.0	2.5	4.5	
3	2.5	1.5	2.5	4.0	3.5	4.5	4.5	3.0	2.5	3.0	1.5	3.0	2.5	3.0	3.5	2.5	2.5	2.5	2.5	2.0	1.5	2.0	1.0	1.0	2.5	4.5	
4	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.5	3.0	1.5	2.5	2.0	2.5	3.0	3.0	3.0	2.5	2.5	3.0	1.5	2.0	2.5	2.0	2.5	3.0	
5	1.0	2.0	2.5	2.5	2.5	2.0	2.5	1.5	2.5	2.0	2.0	2.0	2.5	2.5	4.0	3.5	3.0	2.5	4.0	3.5	3.0	2.5	4.0	3.5	4.0	4.0	
6	4.0	10.0	7.5	8.0	2.5	3.0	4.0	5.5	3.5	6.0	15.0	16.0	12.0	6.5	7.0	7.5	7.0	6.5	6.0	3.5	3.5	3.0	3.5	2.5	6.5	14.0	
7	2.0	2.0	2.5	3.0	2.0	2.5	3.0	3.5	3.5	2.5	5.5	3.5	.5	1.0	.5	5.0	2.5	3.0	2.5	9.0	10.0	3.0	3.0	2.5	3.5	10.0	
8	3.0	2.5	2.5	5.0	4.0	2.5	2.5	1.5	1.5	2.5	4.0	6.0	5.5	3.0	3.0	4.5	4.0	7.0	9.5	11.0	13.0	13.0	14.5	14.5	14.5	14.5	
9	12.0	18.0	8.0	8.5	7.5	7.0	4.5	6.5	11.0	18.0	16.0	17.5	16.5	16.0	15.0	14.5	10.5	13.5	12.5	12.5	14.5	16.0	9.5	9.5	12.5	14.5	
10	15.0	8.0	9.5	8.0	16.5	13.5	12.0	13.0	24.0	23.5	20.5	19.5	18.5	22.0	24.0	21.0	15.5	20.0	22.5	20.0	14.0	6.0	4.0	6.0	11.5	24.0	
11	5.0	4.0	9.5	6.0	6.5	4.5	4.5	5.5	4.5	4.5	3.0	3.5	2.5	3.0	3.0	3.0	2.5	2.5	2.5	3.0	5.0	3.5	3.5	3.0	4.0	9.5	
12	3.5	4.0	3.0	3.0	3.0	5.0	8.5	5.0	3.0	3.5	3.0	7.5	3.0	2.5	4.5	2.5	3.5	4.5	3.0	5.0	3.5	3.5	3.5	3.0	4.0	4.5	
13	6.5	4.0	3.0	3.0	2.0	3.5	3.0	4.0	3.0	2.5	3.0	3.0	5.0	4.0	2.0	3.5	4.0	10.5	10.0	11.5	9.0	9.5	12.5	11.5	5.5	12.5	
14	13.5	15.5	16.0	14.5	17.0	14.0	13.0	10.0	17.5	9.0	13.0	12.0	11.5	11.0	7.5	2.5	3.5	3.0	3.5	3.5	3.0	2.5	3.5	3.0	4.5	9.5	17.5
15	3.0	5.0	3.0	4.0	5.0	5.5	6.5	5.5	3.5	3.0	3.0	6.5	4.5	4.5	4.0	3.0	4.5	2.5	2.5	2.5	6.5	3.0	2.5	2.0	4.0	6.5	
16	1.5	1.0	1.5	2.5	3.5	4.5	5.0	3.0	2.0	2.5	2.5	2.5	4.5	5.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	3.0	2.5	2.0	3.0	4.0	
17	3.0	4.0	3.5	4.5	3.0	2.0	3.0	3.0	2.0	2.5	4.0	4.0	9.5	8.0	4.0	3.0	3.5	3.0	2.0	1.5	3.0	1.5	2.0	2.0	3.5	9.5	
18	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.0	.5	.5	.5	.5	.5	.5	.5	.5	.5	3.0	6.5	11.5	9.5	7.0	3.5	12.5	
19	11.0	14.5	13.5	14.5	16.5	14.5	15.0	11.0	10.5	7.5	10.5	9.5	9.0	6.5	5.5	5.0	2.5	2.5	4.0	3.0	6.0	6.5	3.5	3.0	4.5	14.5	
20	4.0	7.0	5.0	3.5	7.5	8.0	6.5	6.0	5.5	3.5	4.0	6.0	5.0	5.0	5.5	5.0	5.5	7.0	5.0	4.5	4.5	2.5	2.0	2.0	5.0	4.0	
21	2.5	1.5	2.5	4.0	3.0	1.5	2.5	2.5	4.0	4.5	3.5	3.5	3.0	3.5	3.0	5.0	5.0	7.0	7.0	7.0	7.5	7.5	8.5	7.0	4.5	4.5	
22	4.0	4.0	4.0	5.0	4.0	3.5	3.5	5.0	5.0	5.0	4.0	3.0	3.5	3.5	3.5	4.5	2.5	2.5	2.0	2.5	4.5	4.5	3.5	4.0	4.0	5.0	
23	4.0	2.5	4.0	3.5	2.5	3.0	3.0	2.5	2.5	3.0	2.5	4.5	7.0	7.0	6.0	5.5	3.0	5.0	5.0	3.0	3.0	6.0	3.5	2.5	4.0	7.0	
24	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	2.0	2.5	3.0	3.0	2.5	3.0	3.0	4.0	3.5	4.5	4.5	3.0	3.0	3.0	2.0	2.0	2.5	4.0	4.5
25	3.0	2.5	2.5	3.0	2.0	6.0	4.0	3.0	2.5	3.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5	4.5	4.5	4.5	4.0	7.0	6.5	3.0	1.5	4.0	
26	2.5	2.5	4.0	5.5	4.5	3.0	4.5	3.0	2.5	2.5	5.0	4.0	5.0	5.5	6.0	6.0	5.0	5.0	6.0	5.0	3.5	3.0	3.0	2.5	4.0	6.0	
27	3.5	3.0	4.0	4.5	2.5	1.5	1.0	3.5	4.0	3.5	4.0	3.0	3.0	4.0	5.0	3.0	2.5	4.5	5.0	2.0	4.0	4.0	2.5	4.5	4.0	4.0	
28	9.5	5.5	2.5	3.0	3.5	3.0	4.0	2.5	3.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.0	2.5	2.5	2.0	4.0	2.0	1.0	3.0	9.5	
29	1.0	2.0	1.5	2.5	3.0	3.0	1.5	1.0	1.0	2.5	4.0	4.5	4.0	4.5	4.5	8.5	12.0	5.5	5.5	3.0	4.5	5.0	6.5	5.0	4.0	12.0	
30	4.0	5.5	5.0	4.0	5.5	6.5	7.5	7.0	6.0	7.0	4.0	4.0	6.0	4.5	4.0	3.5	2.5	2.5	4.5	3.0	2.5	3.0	2.5	3.0	4.5	4.0	
31	5.5	5.0	3.5	3.0	4.5	5.5	4.5	2.0	4.5	3.5	2.5	4.0	5.0	3.0	3.5	4.0	5.0	2.5	3.0	5.5	4.0	4.0	4.5	3.0	4.5	4.0	
AV	4.5	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5	5.0	5.0	5.5	5.5	5.5	5.0	5.0	5.0	4.5	5.0	5.0	6.0	5.5	4.5	4.5	4.0	5.0	
SD	3.5	4.5	4.5	4.0	4.0	3.5	3.0	3.0	5.0	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.5	4.5	4.5	3.5	4.0	3.0	3.0	1.0	

WIND SPEED ICC1011

MILES/HOUR
LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT. #139
BONANZA, UTAH
SITE 11

FEB. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.0	3.0	5.0	3.0	3.5	3.0	4.0	3.5	3.5	3.5	3.0	4.0	4.5	7.0	6.5	6.0	3.5	2.5	7.0	4.0	3.5	4.0	4.0	4.0	4.0	7.0	
2	4.0	3.5	3.5	3.5	3.0	3.0	2.5	2.5	2.5	2.5	3.0	7.0	5.0	4.5	3.5	3.5	5.0	4.0	3.5	3.0	3.0	2.5	3.0	2.5	3.5	7.0	
3	3.0	3.0	3.5	4.5	3.0	2.5	2.0	2.5	2.5	2.5	5.0	3.5	3.5	7.0	6.5	5.5	5.0	4.5	5.0	5.0	4.0	3.5	4.0	3.0	3.5	5.5	
4	2.0	2.5	3.5	3.0	4.0	3.0	2.0	2.5	3.0	2.5	3.0	3.0	6.0	7.0	6.5	2.5	3.5	3.5	2.0	2.5	3.5	3.0	2.5	3.0	2.5	7.0	
5	3.0	2.5	4.0	2.5	3.5	3.0	3.0	3.0	2.5	4.0	2.5	4.0	4.5	5.0	3.0	5.0	4.0	5.5	4.5	3.0	2.5	2.5	3.5	3.0	3.5	5.5	
6	3.0	4.0	2.5	3.0	3.0	3.0	2.0	3.0	3.0	2.5	4.5	3.5	5.0	4.0	4.0	7.0	4.0	6.0	2.5	3.0	3.0	4.5	4.5	5.5	3.5	7.0	
7	4.0	2.5	3.0	5.0	5.0	2.5	2.0	3.0	2.5	3.5	6.0	6.0	6.0	3.5	3.5	8.5	10.5	7.5	5.5	4.0	3.0	4.0	4.0	2.5	4.5	10.5	
8	3.0	5.0	6.0	5.0	3.5	3.5	3.5	5.0	2.0	3.0	4.0	6.0	6.0	7.5	9.0	7.5	6.0	3.0	2.5	4.5	4.5	6.0	7.0	5.0	5.0	9.0	
9	2.5	6.5	5.0	6.0	6.0	6.0	6.0	4.0	4.0	2.5	3.0	5.5	4.5	4.0	3.5	4.5	7.0	5.5	5.0	4.0	2.5	2.0	3.5	4.5	4.5	7.0	
10	2.5	5.0	5.0	3.0	3.0	3.0	2.5	2.5	3.0	3.0	4.5	4.0	2.5	5.0	6.5	7.0	5.5	3.0	3.0	3.0	3.5	3.0	2.5	3.0	2.5	4.0	7.0
11	2.5	2.5	3.0	3.0	4.0	3.0	1.5	2.0	2.0	2.0	4.5	4.5	3.0	5.0	6.5	6.5	5.5	3.0	3.5	4.5	3.5	2.0	3.5	3.5	3.5	6.5	
12	3.5	3.0	3.5	3.0	3.5	4.5	2.5	2.0	2.5	2.0	3.0	4.0	3.0	4.5	5.5	5.5	4.5	3.5	2.5	3.0	3.0	2.0	3.0	2.5	3.5	5.5	
13	3.0	3.5	2.5	2.5	2.5	2.5	3.0	4.0	2.5	2.5	3.0	3.5	2.5	4.5	3.0	3.5	4.0	3.5	4.5	3.5	3.5	3.0	3.0	1.5	3.0	4.5	
14	1.5	4.5	3.0	2.5	2.0	3.5	3.0	2.5	3.5	4.0	3.5	4.0	6.0	4.0	5.0	3.0	5.0	7.0	3.0	5.5	3.5	3.0	3.0	1.5	3.5	7.0	
15	2.5	3.5	3.0	4.0	2.0	2.5	2.5	3.0	3.0	2.0	2.5	3.5	3.0	4.0	4.0	6.0	7.0	6.5	3.5	4.5	3.0	2.5	1.5	4.0	3.5	7.0	
16	3.0	3.0	3.5	3.0	2.5	3.0	4.5	2.5	6.5	3.5	2.5	3.5	2.5	2.5	2.5	2.0	3.0	3.5	3.5	2.0	3.5	2.5	1.0	5	3.0	6.5	
17	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
18	0.0	11.5	8.5	6.5	5.0	6.0	4.0	4.5	2.5	8.5	12.0	8.0	4.5	12.0	13.0	4.0	12.0	6.0	11.5	8.5	5.5	4.5	4.5	2.0	2.0	6.5	
19	7.0	4.5	12.0	9.5	11.0	11.5	3.5	2.5	3.5	3.5	5.0	10.5	6.5	10.5	12.5	11.5	7.5	7.5	5.5	3.0	2.5	3.5	3.0	7.0	7.0	12.5	
20	3.0	7.0	9.5	8.5	8.5	7.5	3.0	6.0	8.0	11.0	8.0	6.0	6.0	5.5	6.5	8.5	5.0	2.5	3.0	6.0	6.0	6.5	2.5	3.0	6.0	11.0	
21	3.0	3.5	4.5	5.0	6.0	3.5	2.0	3.5	3.0	3.5	9.5	8.0	7.5	11.0	9.5	9.0	7.5	7.5	6.5	3.0	6.0	5.5	3.0	2.5	6.0	11.0	
22	4.5	3.0	5.0	5.0	6.0	3.5	6.0	3.5	4.5	7.0	7.0	9.5	10.0	5.5	10.0	9.0	9.5	5.5	2.5	2.0	6.0	4.0	6.0	2.5	5.5	10.0	
23	4.5	5.5	3.0	5.5	7.5	4.0	4.5	4.5	3.5	4.0	7.0	17.5	11.0	6.0	5.5	3.5	5.0	6.0	5.0	7.5	10.0	10.5	11.5	7.5	6.5	12.5	
24	6.0	3.0	2.5	2.5	7.5	8.0	2.5	3.0	2.5	4.5	4.0	6.5	6.5	7.0	8.0	6.0	3.5	1.5	3.5	3.0	3.0	4.0	2.5	2.5	4.5	9.0	
25	3.0	3.0	3.5	3.5	2.5	2.5	3.5	4.0	3.5	4.0	6.0	5.0	4.5	6.0	6.0	5.5	5.5	7.5	5.5	3.0	2.5	2.5	2.5	3.5	4.0	7.5	
26	2.5	4.0	3.0	4.0	4.5	3.5	4.5	5.0	4.5	7.5	6.0	4.0	4.0	5.0	6.0	6.0	3.0	5.0	4.0	4.0	2.5	3.0	2.0	2.5	4.0	7.5	
27	9.0	6.5	4.5	5.5	3.5	4.5	3.5	2.5	4.0	3.5	3.0	4.0	4.0	5.5	7.0	5.0	5.5	6.0	3.5	3.5	2.5	2.0	2.0	3.0	4.5	9.0	
28	2.0	4.0	5.0	7.5	5.5	3.5	5.0	4.5	9.0	5.5	7.0	6.5	9.0	5.0	8.0	4.5	3.5	2.5	3.5	13.0	13.0	7.0	8.5	7.0	6.0	13.0	
29	8.5	6.5	4.5	5.0	3.5	3.0	4.0	5.5	5.0	5.0	10.0	7.0	4.5	2.5	5.5	5.0	9.5	6.5	6.0	6.0	6.0	9.0	6.0	7.0	6.0	10.0	
AV	3.5	4.0	4.5	4.5	4.0	4.0	3.5	3.0	3.5	4.0	5.0	5.5	5.0	5.5	6.0	5.5	5.5	5.0	4.5	4.5	4.5	4.0	4.0	3.5	4.5	1	
SD	2.0	2.0	2.5	2.0	2.0	2.0	1.5	1.0	1.5	2.0	3.0	2.5	2.0	2.5	2.5	2.0	2.0	2.0	2.0	2.5	2.5	2.0	2.0	2.0	1.5	1	

WIND SPEED ICC:011

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

MAR, 1960

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6.0	5.0	6.5	7.5	9.0	7.0	4.5	4.0	4.5	7.5	11.0	8.5	9.0	6.5	5.5	6.5	5.5	2.0	2.5	2.5	3.0	3.5	5.5	5.5	6.0	11.0
2	4.0	6.5	5.0	2.5	5.0	3.0	3.0	3.0	2.5	2.5	3.0	3.0	6.0	6.5	8.5	7.0	6.0	4.0	4.0	4.0	4.0	3.0	2.0	1.5	2.0	4.0
3	2.5	4.0	2.5	3.0	5.0	3.0	4.0	4.0	2.0	3.0	4.0	11.0	18.5	22.5	14.5	14.0	11.0	3.0	4.5	5.5	8.5	10.5	9.5	8.5	7.5	22.5
4	9.5	6.0	7.0	6.0	3.0	4.0	3.5	5.0	3.0	3.0	3.0	7.0	12.0	11.0	11.5	13.0	17.0	15.0	11.0	15.0	11.0	6.5	7.0	3.5	5.5	6.0
5	7.5	5.5	6.0	7.0	8.0	5.0	7.0	3.5	6.0	5.5	9.5	11.5	10.0	13.5	15.5	13.5	12.0	13.5	13.0	10.0	12.5	13.5	10.0	9.0	9.5	15.5
6	10.0	5.5	6.0	16.5	7.5	8.5	10.0	10.5	7.5	4.0	3.5	6.5	3.5	5.0	3.5	6.5	6.5	3.5	3.5	4.5	4.5	3.0	3.0	3.0	3.0	6.0
7	4.0	2.5	1.5	3.0	3.0	4.0	2.5	2.5	2.5	4.5	5.5	7.0	5.5	5.5	4.5	5.5	3.0	3.0	3.0	3.0	4.0	3.0	3.0	4.0	4.0	7.0
8	3.5	7.0	3.0	6.5	9.0	10.5	10.0	8.0	4.0	6.0	9.0	10.5	11.5	12.0	10.0	9.5	6.0	7.5	6.0	4.0	2.5	4.5	4.5	3.0	5.5	11.0
9	3.0	6.5	7.5	8.0	7.5	12.0	10.0	5.0	3.5	5.5	7.0	8.5	8.0	6.5	6.5	6.0	4.5	7.0	7.0	4.0	6.5	6.5	8.5	4.5	7.0	12.0
10	6.0	6.5	7.0	8.0	7.5	12.0	10.0	5.0	3.5	5.5	7.0	8.5	8.0	6.5	6.5	6.0	4.5	7.0	7.0	4.0	6.5	6.5	8.5	4.5	7.0	12.0
11	4.0	4.5	5.5	3.5	4.5	2.5	3.0	3.0	2.5	2.5	4.5	3.0	4.0	6.0	11.5	9.5	11.5	10.0	9.0	8.0	14.5	11.0	6.5	6.0	14.5	14.5
12	8.5	12.5	19.5	21.5	22.5	20.0	22.5	21.5	14.5	14.0	18.5	19.0	16.5	16.5	14.0	12.0	13.5	14.5	9.0	5.5	4.0	4.0	4.0	7.0	11.0	14.5
13	12.0	9.5	3.5	7.0	9.0	5.0	3.5	4.0	5.0	4.5	4.5	5.5	6.5	5.5	9.5	8.5	7.0	4.0	8.0	9.5	11.0	3.5	7.0	8.0	6.5	12.0
14	2.5	3.0	2.5	4.0	3.5	6.5	6.5	3.5	3.0	4.0	5.5	9.5	9.5	8.5	13.5	15.0	8.5	6.0	10.0	4.5	4.0	6.5	3.5	5.5	10.0	6.5
15	11.5	12.5	11.5	9.5	3.5	2.5	8.5	6.0	4.5	3.0	8.0	11.0	12.5	7.0	10.0	10.5	10.0	7.0	12.0	4.5	4.0	6.5	18.0	16.0	9.0	14.0
16	15.0	21.5	16.0	14.0	15.0	10.5	4.5	6.0	8.5	17.0	18.5	14.0	17.5	16.0	17.5	17.5	20.5	15.5	10.5	3.5	2.0	3.0	4.0	4.0	4.5	12.0
17	3.0	4.5	7.0	12.0	12.5	10.5	11.0	5.5	3.0	5.5	4.0	6.0	6.5	9.0	7.0	6.0	4.5	10.0	8.5	9.5	7.0	8.5	7.0	7.0	7.5	12.5
18	5.0	3.5	4.0	6.5	4.0	3.5	2.5	2.5	5.5	4.5	7.0	9.0	11.5	8.5	9.0	10.5	10.0	7.0	3.0	2.5	3.5	7.0	7.5	9.0	6.0	11.5
19	4.0	3.0	5.5	5.0	6.0	4.5	6.0	8.0	4.0	7.5	6.0	9.0	11.0	13.5	14.5	12.5	15.5	15.0	17.5	11.5	5.0	3.5	2.5	2.0	17.5	17.5
20	3.5	4.0	6.5	2.5	4.0	8.5	8.5	8.5	3.0	5.0	6.0	5.5	6.0	8.5	8.5	6.5	10.0	12.5	11.5	9.5	9.0	10.5	4.0	4.5	7.0	12.5
21	3.5	3.5	2.5	4.0	4.0	3.0	2.5	4.0	7.0	6.0	4.5	12.5	15.5	12.0	13.0	14.5	13.0	6.5	5.0	3.0	3.5	3.0	2.5	2.5	10.5	22.5
22	9.5	6.5	3.0	4.0	4.0	3.0	2.5	4.0	7.0	6.0	4.5	12.5	15.5	12.0	13.0	14.5	13.0	6.5	5.0	3.0	3.5	3.0	2.5	2.5	7.0	15.5
23	8.5	6.0	5.5	3.5	2.5	3.0	3.0	3.5	4.5	5.5	6.0	7.0	6.0	9.5	6.5	3.0	4.5	3.0	4.5	5.0	5.0	7.5	9.0	6.0	2.0	9.5
24	13.0	4.5	9.0	5.0	2.5	4.0	3.5	2.5	2.5	4.5	6.5	13.0	13.5	13.5	14.0	15.0	12.5	15.0	6.0	10.5	8.0	5.0	6.0	4.0	8.0	15.0
25	2.5	2.5	3.5	2.5	2.5	3.5	3.0	3.0	3.0	4.5	6.0	3.0	6.0	3.5	3.0	1.5	2.5	3.5	5.0	5.0	3.0	5.0	3.0	5.0	3.5	6.0
26	8.0	4.0	2.5	3.0	5.0	2.5	1.0	2.0	2.5	3.0	3.0	4.0	4.5	3.5	5.5	9.0	11.0	6.5	9.5	10.5	10.5	10.5	12.0	12.0	5.5	12.0
27	13.0	12.0	5.0	4.5	5.5	7.5	8.5	7.0	3.5	5.0	5.0	4.5	6.5	6.5	11.0	18.0	13.5	6.0	6.5	6.0	5.0	5.5	5.0	4.5	7.5	14.0
28	3.0	2.5	5.5	4.5	3.5	2.5	2.0	5.0	7.0	13.0	15.0	14.0	13.5	13.5	13.5	11.5	8.0	3.0	4.0	3.0	4.0	3.0	2.0	2.5	6.5	15.0
29	5.0	3.5	2.5	3.0	3.0	2.5	2.5	3.0	4.0	4.0	5.5	6.5	9.0	6.0	5.5	5.5	5.0	2.5	5.5	8.0	10.5	10.0	9.0	6.0	5.5	10.5
30	8.5	11.0	8.5	6.0	4.5	3.0	2.5	7.0	3.0	3.5	7.0	14.0	20.5	17.0	17.0	11.5	6.5	9.0	9.5	6.5	4.0	5.0	4.0	4.5	5.5	20.5
31	4.5	6.5	7.0	11.0	7.0	12.0	10.0	6.0	3.5	4.5	3.0	3.5	3.5	5.5	5.0	5.5	4.0	3.0	4.0	3.0	2.0	3.0	4.0	9.0	5.5	12.0
AV	6.5	6.5	6.0	6.5	6.0	6.0	5.5	5.5	4.5	5.5	7.0	9.0	10.0	9.5	10.0	10.0	10.0	8.5	7.0	6.5	6.0	6.5	6.5	6.0	7.0	11
SD	3.5	4.0	4.0	4.5	4.0	4.0	4.5	3.5	2.5	3.5	4.5	4.5	5.0	4.5	4.0	4.0	5.0	4.5	4.0	3.0	3.0	3.5	3.5	3.5	2.0	11

ABOUT (29 JAN 61)

WIND SPEED ICC1011

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

APR, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.0	9.0	7.5	4.5	2.0	2.5	3.0	2.5	4.0	4.0	6.0	4.5	4.0	5.0	5.0	5.0	5.0	5.0	3.0	5.0	11.5	11.5	6.5	6.5	5.5	11.5	
2	5.5	4.0	4.0	5.5	6.5	7.5	8.0	4.5	5.0	8.0	11.0	11.0	9.5	7.5	10.5	7.0	8.5	7.0	5.5	3.5	3.0	5.5	6.0	6.5	6.5	11.0	
3	6.5	9.0	10.5	7.0	5.5	6.0	6.0	6.0	6.0	5.5	5.0	3.5	4.5	4.5	6.5	7.5	5.0	3.0	4.0	3.0	6.0	8.0	4.0	3.5	6.0	10.5	
4	3.0	4.0	3.0	4.0	3.5	3.0	3.0	4.5	4.0	5.0	5.5	5.0	4.0	4.0	4.0	6.0	7.0	6.5	7.0	6.5	9.5	12.0	11.5	9.5	5.5	12.0	
5	7.0	5.5	5.0	3.0	3.5	4.0	3.5	3.5	3.5	7.5	7.0	7.5	7.0	10.0	12.0	10.5	8.5	4.5	16.5	9.0	5.5	4.5	6.0	4.0	6.5	16.5	
6	6.5	10.5	9.0	9.5	6.0	5.5	6.0	4.5	4.5	4.0	6.5	18.0	16.5	18.5	20.5	25.0	24.5	23.0	16.5	9.0	4.0	10.5	4.0	4.0	11.5	25.0	
7	8.5	19.5	10.0	7.0	8.5	16.0	16.5	25.0	17.5	18.5	21.5	25.5	25.0	21.0	21.5	23.5	22.5	21.0	19.5	16.0	13.0	7.0	2.0	6.0	16.5	25.5	
8	10.0	6.5	5.5	6.0	18.0	4.5	2.0	2.5	5.5	5.0	6.0	9.0	9.0	10.0	8.5	8.0	6.0	3.0	2.5	4.0	8.0	8.0	6.5	5.0	6.5	18.0	
9	8.0	7.0	5.0	4.0	4.5	5.5	6.0	3.5	4.0	5.0	5.0	20.0	29.5	31.5	30.5	28.0	28.0	27.5	20.5	15.5	7.5	6.5	10.0	4.0	5.0	7.0	12.5
10	4.5	3.0	2.5	5.5	8.5	9.5	15.5	19.0	20.0	13.5	16.0	20.0	29.5	31.5	30.5	28.0	28.0	27.5	20.5	15.5	7.5	6.5	10.0	4.5	15.5	11.5	
11	5.5	5.0	3.0	3.0	2.5	3.0	4.0	3.5	3.0	6.0	9.0	10.5	12.5	13.5	13.0	12.0	10.5	10.5	11.5	6.5	8.0	6.0	5.5	3.0	7.0	11.5	
12	3.0	4.0	3.0	2.5	3.0	2.5	3.5	2.5	4.0	4.0	6.0	5.5	6.0	9.0	9.5	10.5	8.0	9.0	9.0	7.5	5.0	6.0	4.5	4.0	5.5	10.5	
13	4.0	3.5	2.5	3.0	2.5	2.5	3.0	3.5	5.5	7.0	4.0	5.5	4.5	5.5	7.5	6.0	5.5	2.5	2.5	3.0	5.5	8.5	9.5	7.0	5.0	9.5	
14	9.0	6.5	6.0	7.0	6.0	7.5	7.0	5.5	3.0	4.5	5.0	3.5	5.0	7.0	9.5	7.5	5.0	3.0	2.5	4.5	10.5	11.0	10.0	4.0	6.5	11.0	
15	6.0	7.0	7.5	6.0	6.0	6.5	7.0	7.0	3.0	9.0	3.5	4.0	12.0	14.5	15.5	11.0	17.0	25.5	21.0	20.0	15.5	17.0	4.0	6.5	11.0	25.5	
16	5.5	6.0	6.5	6.5	6.5	6.0	9.0	6.5	4.0	4.0	4.5	6.0	5.5	9.0	11.0	8.5	6.0	6.5	4.5	4.5	7.0	4.0	7.5	7.0	7.0	11.0	
17	6.5	2.5	6.5	6.0	5.5	4.5	6.0	5.0	2.5	4.0	5.5	5.5	6.0	6.5	6.0	7.0	6.5	4.0	4.0	3.5	5.0	6.5	11.5	12.0	6.0	12.0	
18	5.5	5.0	4.5	4.5	6.0	6.5	5.5	5.5	3.0	4.5	5.0	6.5	9.5	6.5	10.5	6.0	9.0	7.0	5.5	7.0	10.0	14.5	13.5	13.0	7.5	14.5	
19	9.5	4.0	7.5	6.5	6.0	5.5	6.5	4.0	3.5	4.5	4.5	5.0	7.5	11.0	12.0	6.5	6.0	10.5	6.0	5.5	11.0	14.0	16.5	14.5	4.0	16.5	
20	8.5	4.5	5.0	4.5	4.0	3.0	3.0	3.5	4.5	3.5	4.5	6.5	8.0	11.0	11.5	9.5	11.0	8.5	7.0	8.5	12.0	14.5	13.5	14.5	7.5	14.5	
21	15.0	12.0	13.0	15.0	12.5	12.5	12.0	14.0	14.0	17.0	18.5	19.0	9.0	8.0	9.5	5.0	3.5	5.5	15.0	7.0	2.0	3.0	2.5	2.5	10.0	14.5	
22	2.0	3.0	4.0	3.0	3.5	2.5	4.5	4.0	4.0	5.0	6.5	7.5	9.5	7.5	10.5	8.5	14.5	13.5	17.0	4.0	2.5	5.0	4.5	7.5	6.5	17.0	
23	5.0	4.5	6.5	10.0	9.5	5.5	4.0	7.0	10.5	9.5	7.5	8.0	14.0	11.5	16.5	15.0	8.5	3.0	4.0	7.0	7.0	6.0	6.0	4.0	4.0	16.5	
24	9.5	3.0	3.5	3.0	3.0	2.0	3.5	3.0	6.5	6.0	6.5	6.0	8.0	7.0	5.0	4.0	8.5	12.0	6.5	4.5	6.0	5.5	3.5	3.5	5.5	12.0	
25	7.5	6.0	4.5	4.5	3.0	4.5	4.5	4.5	5.5	7.0	6.0	7.5	7.0	8.5	8.5	10.5	9.5	8.5	6.0	5.5	6.5	6.5	3.5	4.0	6.0	10.5	
26	2.5	4.0	2.5	5.5	4.5	4.5	3.0	4.0	4.0	5.5	5.5	6.5	6.0	5.0	5.5	5.5	6.5	5.5	5.0	3.0	5.0	6.5	4.0	4.5	4.5	6.5	
27	6.0	6.0	7.0	5.0	2.5	5.0	4.5	3.0	5.0	4.5	6.0	7.5	6.0	7.5	6.0	7.0	7.5	7.0	4.5	3.0	6.5	5.5	5.5	4.0	4.5	6.5	
28	6.5	7.0	9.5	11.5	10.5	3.5	3.5	3.0	5.0	5.0	6.5	7.5	9.0	11.5	17.5	13.0	7.0	4.5	2.5	4.5	4.5	9.0	9.5	7.0	4.0	7.5	17.5
29	5.5	5.5	4.0	3.5	5.0	5.0	4.0	3.5	5.5	5.5	6.0	12.0	15.0	16.5	12.0	14.0	14.0	8.0	9.5	9.5	4.0	6.0	7.0	5.5	4.0	16.5	
30	6.5	5.0	3.0	2.5	2.5	1.5	2.0	2.5	2.5	9.5	8.0	7.0	9.0	8.5	5.5	7.0	4.5	3.0	7.0	7.0	7.5	8.5	9.0	4.5	5.5	9.5	
AV	6.5	6.0	6.0	5.5	6.0	5.5	6.0	6.0	6.5	7.0	6.5	7.0	6.5	10.0	11.0	10.5	10.0	9.0	6.5	7.0	7.5	8.0	7.5	6.5	7.5	7.5	
90	2.5	3.5	3.0	3.0	3.5	3.0	3.5	5.0	4.0	3.5	4.0	5.0	5.5	5.5	5.5	6.0	6.0	6.5	6.0	4.0	4.0	3.5	3.5	3.0	3.0	3.0	

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 11

MAY, 1980

AEROPHONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7.0	6.5	4.0	4.0	6.0	3.5	2.0	3.5	6.5	6.0	6.0	8.0	10.0	8.0	6.0	6.5	8.5	4.5	5.0	7.5	4.5	5.5	6.5	4.0	6.0	10.0	
2	3.5	2.5	2.5	4.0	7.0	2.5	3.5	3.0	5.0	4.0	5.5	4.5	16.5	14.5	12.0	11.5	9.5	7.0	5.5	3.5	5.5	9.0	10.5	12.0	7.0	18.5	
3	9.0	9.5	6.0	4.0	4.5	4.0	3.0	3.5	2.5	5.0	6.0	6.0	6.0	8.0	9.5	6.0	7.0	11.0	7.0	9.5	12.0	9.0	6.0	5.0	6.5	12.0	
4	4.5	4.5	4.5	2.5	2.5	2.5	2.0	3.5	4.0	4.0	5.0	5.0	9.0	8.5	11.5	10.0	8.5	10.0	10.5	13.5	6.5	11.0	9.0	15.0	7.0	15.0	
5	14.5	5.5	4.5	2.5	4.0	4.5	6.5	4.0	3.5	5.0	4.5	3.5	5.0	7.0	12.5	7.0	6.0	8.5	6.5	2.5	5.0	6.0	4.5	4.0	5.5	10.5	
6	4.0	3.5	6.0	6.0	6.0	3.5	3.0	4.0	4.0	3.5	4.0	6.0	7.5	12.5	10.0	14.0	15.0	10.5	8.5	7.0	4.0	5.5	6.5	5.0	7.0	15.0	
7	3.0	2.5	2.5	2.5	3.0	2.5	3.5	1.5	3.5	5.0	4.0	12.5	17.5	15.0	11.0	9.0	10.0	7.5	9.5	5.5	3.0	3.0	4.0	6.0	6.5	17.5	
8	6.5	4.0	5.5	3.5	3.0	2.5	2.5	3.0	3.0	4.5	4.0	8.5	6.0	7.5	4.5	5.0	8.0	7.5	12.0	15.0	13.5	10.5	15.0	5.0	6.5	15.0	
9	3.5	6.5	7.0	3.5	5.0	3.0	3.5	3.0	3.5	7.5	13.5	14.5	18.0	16.0	11.0	9.5	3.5	3.5	4.0	3.5	4.0	3.5	5.5	3.0	7.5	18.0	
10	2.0	3.0	5.0	8.5	9.0	7.0	3.5	2.5	5.0	15.0	12.5	13.5	20.0	19.0	20.0	21.5	19.5	15.0	15.0	11.0	8.5	4.5	5.5	5.0	3.0	7.5	18.0
11	4.0	3.5	6.5	3.5	7.5	8.5	5.5	3.0	3.0	4.5	5.0	5.0	3.5	7.0	14.0	13.0	7.0	13.0	5.5	7.5	6.0	13.0	5.5	3.0	6.5	14.0	
12	9.0	6.0	10.5	9.5	6.0	3.0	8.0	9.0	10.5	7.0	9.0	10.0	8.5	6.5	9.5	9.0	7.0	8.0	6.0	5.5	7.0	6.0	5.0	5.0	7.5	10.5	
13	9.5	5.0	4.5	5.0	3.5	6.0	2.5	4.5	6.5	6.0	5.5	6.0	5.0	6.0	6.0	6.0	7.0	8.0	6.0	5.5	7.0	6.0	5.0	5.0	7.5	10.5	
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	5.5	9.5
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8.5	8.0	6.5	5.5	10.0	8.0	8.5	13.5	6.5	5.0	13.5	1.0	4.0	13.5	
AV	6.0	5.0	5.5	4.5	5.0	4.0	3.5	3.5	5.0	6.5	7.0	6.5	10.0	11.0	11.0	10.0	9.5	9.0	8.0	8.0	6.5	7.0	7.5	6.0	7.0	11.0	
SD	3.5	2.0	2.0	2.5	2.0	2.0	1.5	1.5	2.0	3.5	3.0	4.0	5.0	4.0	4.0	4.5	3.5	3.0	3.0	4.0	3.0	3.0	3.5	3.5	1.0	1.0	

ABOUT (29 JAN 81)

WIND SPEED ECC1011

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

JUN. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	2.5	5.0	6.0	5.5	6.0	8.5	9.0	3.5	5.5	6.0	10.0	11.0	13.5	9.5	12.5	9.0	8.0	8.0	14.5	8.5	8.0	7.0	5.0	9.5	8.0	14.5
2	13.0	12.0	9.0	2.5	3.5	3.0	3.0	8.0	13.0	14.0	11.5	12.0	11.5	16.5	15.5	16.0	16.0	16.0	16.0	13.0	7.5	7.5	11.5	12.0	11.0	16.5
3	9.5	11.0	10.0	6.5	10.0	9.0	8.5	12.0	16.0	16.0	18.5	17.5	18.0	17.5	15.0	17.0	15.0	15.0	11.5	9.5	7.0	8.0	9.0	13.5	12.5	18.5
4	13.0	11.0	10.5	9.5	7.0	7.5	5.0	10.5	14.5	17.5	16.0	17.5	15.0	13.5	12.0	11.5	12.0	15.0	12.0	12.0	11.5	13.5	11.0	8.0	12.0	18.5
5	7.0	6.0	4.0	6.0	6.5	8.5	8.0	5.5	5.0	8.0	13.5	16.5	17.5	13.5	12.0	13.5	14.0	14.0	14.5	14.5	12.0	11.0	10.0	10.0	10.5	17.5
6	7.0	6.5	4.5	8.5	11.5	12.5	11.5	8.0	11.0	12.0	13.0	14.0	13.5	13.5	13.5	12.5	14.5	24.5	20.0	19.5	12.0	8.5	6.0	5.0	12.0	20.5
7	3.0	3.5	5.0	5.0	6.0	3.0	2.5	3.5	4.0	7.5	7.5	5.5	5.5	8.0	9.0	7.5	7.5	7.0	6.5	3.5	3.5	6.0	12.5	7.0	6.0	12.5
8	4.0	2.5	4.5	6.0	7.5	7.5	7.5	3.5	4.5	5.0	5.0	5.5	5.0	8.0	8.5	9.5	7.5	9.5	7.5	3.5	5.0	6.0	5.0	4.0	9.5	9.5
9	4.0	2.5	4.5	6.0	7.5	7.5	7.5	3.5	4.5	5.0	5.5	6.0	6.5	8.0	8.5	7.0	5.0	5.5	7.5	3.5	4.5	10.0	10.0	12.0	6.5	12.0
10	6.5	5.5	4.5	5.0	5.0	5.0	5.0	3.5	4.0	5.0	6.0	8.5	20.5	14.5	14.5	13.5	10.0	11.0	9.0	6.0	9.0	9.0	8.5	8.5	8.5	20.5
11	7.5	5.0	8.5	4.5	3.5	3.0	3.0	3.0	5.0	11.5	15.5	22.0	17.5	17.0	16.0	12.0	11.5	12.5	12.0	10.0	14.5	13.0	11.5	12.0	10.5	22.0
12	11.5	10.0	8.0	5.0	9.0	4.5	8.0	10.5	8.0	12.0	13.5	12.5	14.5	13.5	14.5	15.0	16.0	14.5	14.0	9.5	10.5	8.0	3.0	3.5	10.5	16.0
13	4.5	9.5	13.5	11.5	8.5	9.5	9.5	5.5	8.5	11.5	14.5	13.0	13.5	12.5	13.0	13.5	13.0	13.5	10.0	9.5	9.5	13.5	10.5	8.0	11.0	18.0
14	10.5	9.5	5.5	9.5	9.0	8.5	9.5	5.5	8.5	11.5	14.5	13.0	13.5	12.5	13.0	11.5	10.0	15.0	17.0	22.0	26.0	17.5	11.5	8.5	12.0	26.0
15	6.5	3.0	3.5	5.5	5.5	6.0	5.5	4.0	5.5	7.5	11.5	10.5	11.5	12.5	15.0	16.5	15.0	13.0	13.0	10.5	9.0	9.5	3.0	3.0	8.5	16.5
16	5.5	5.5	3.0	3.5	3.0	2.5	4.0	8.0	5.5	2.5	5.5	6.5	8.5	9.0	8.0	9.5	6.5	5.5	4.0	2.5	5.0	9.5	7.5	8.0	4.0	9.5
17	8.5	4.5	5.0	5.5	6.0	4.0	5.0	3.5	5.0	4.0	5.5	11.0	8.0	8.0	6.0	8.0	8.0	4.0	2.5	1.5	3.5	10.0	11.5	11.0	11.5	
18	6.0	3.5	4.0	5.5	9.0	11.0	10.5	8.0	15.0	6.0	5.0	10.0	14.5	19.5	17.5	12.5	8.5	6.5	3.5	4.5	11.0	11.0	3.0	5.5	7.0	11.5
19	6.0	3.5	4.0	5.5	6.5	6.5	6.5	3.5	3.5	5.0	5.0	5.5	6.5	9.0	10.0	10.0	12.0	12.0	11.0	11.5	12.5	12.5	7.0	7.5	4.5	19.5
20	6.0	5.5	6.5	3.5	3.5	3.5	3.5	3.5	3.5	5.0	5.0	5.5	6.5	9.0	10.5	10.0	12.0	9.0	11.0	11.5	12.5	12.5	7.0	7.5	7.0	12.5
21	6.0	6.5	3.5	5.0	6.5	4.0	6.0	4.0	4.0	5.0	6.0	9.5	11.0	12.5	12.5	15.0	9.5	13.0	6.0	4.0	5.5	9.5	6.5	6.0	7.5	15.0
22	7.0	4.0	4.0	4.0	3.5	4.0	5.0	5.0	3.5	5.5	7.5	9.5	7.5	10.5	13.0	9.0	9.0	8.5	7.0	10.5	8.0	11.0	10.0	12.0	7.5	13.0
23	15.0	13.0	12.0	8.5	12.5	14.5	14.5	19.5	17.0	18.5	18.5	14.0	15.0	18.5	16.0	14.0	14.0	14.0	14.5	11.5	10.5	9.5	4.5	2.5	13.5	19.5
24	9.0	8.5	9.5	8.5	5.0	5.0	5.0	4.0	7.0	5.0	6.0	12.5	14.5	12.5	11.0	11.0	10.0	10.0	10.5	8.5	13.5	11.5	12.5	12.5	9.5	14.5
25	8.5	12.5	9.5	4.5	4.0	2.5	2.5	2.0	4.5	8.5	11.5	15.5	17.0	12.0	12.5	13.5	15.0	15.5	16.0	13.5	10.0	9.5	8.5	11.5	10.0	17.0
26	12.0	10.0	14.0	5.0	2.0	7.0	6.0	4.5	12.0	14.5	18.0	15.5	13.5	13.5	13.0	11.0	11.5	12.0	13.5	13.0	13.0	11.5	7.5	11.0	18.0	
27	14.5	14.5	11.5	8.0	9.0	11.5	12.0	8.5	6.0	8.5	7.5	11.0	14.0	19.5	17.0	18.5	20.0	20.0	18.0	13.5	7.0	4.5	2.5	5.0	12.0	20.0
28	4.5	8.5	8.0	7.5	6.0	7.5	7.0	4.5	7.0	3.5	5.0	6.0	8.0	10.5	8.0	10.0	6.5	5.0	3.0	4.0	7.0	8.5	9.5	5.0	6.5	10.5
29	6.5	4.0	2.5	3.5	8.0	12.0	10.5	8.0	6.0	8.0	8.0	13.0	16.5	11.0	9.5	9.5	11.0	20.5	8.0	3.5	10.0	4.0	6.5	6.0	8.5	20.5
30	4.5	6.0	4.5	3.0	2.5	5.5	7.0	4.0	5.5	12.0	9.0	12.5	11.0	7.0	6.0	7.0	8.5	9.0	7.0	4.5	18.5	5.5	9.5	3.0	7.0	18.5
AV	6.0	7.0	7.0	6.0	6.5	6.5	6.0	7.5	8.5	10.5	11.5	12.5	12.5	12.0	11.0	11.5	10.5	10.5	9.0	10.0	9.5	8.0	8.0	9.0	8.0	9.0
SD	3.5	3.5	3.5	2.0	2.5	3.0	3.0	3.5	4.0	4.5	4.5	4.0	3.5	3.0	3.0	3.5	3.5	5.0	4.5	5.0	4.5	3.0	3.0	3.0	3.0	3.5

WIND SPEED (CC1011

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#139
BORANZA, UTAH
SITE 11
JUL. 1980
AEROVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE PEAK	
1	3.0	3.0	7.5	7.5	6.5	3.0	3.0	7.0	6.0	8.0	9.0	3.0	5.0	7.0	12.0	15.0	7.0	18.0	14.5	13.5	7.0	10.0	6.5	6.5	7.5	15.0
2	8.5	3.5	2.5	3.5	6.0	4.5	5.0	5.0	3.0	3.0	4.0	5.0	14.0	9.5	8.0	6.0	3.5	4.5	12.0	12.5	12.5	13.0	13.0	15.0	7.5	15.0
3	13.0	11.5	5.5	7.5	3.5	2.5	3.0	3.5	5.0	7.5	6.5	6.5	6.0	2.5	7.0	8.5	6.0	8.0	5.0	4.0	7.0	7.0	3.5	6.0	6.0	13.0
4	8.0	4.0	7.0	12.0	5.0	5.5	10.0	3.5	6.5	4.5	6.5	7.0	12.5	9.5	5.0	8.5	8.0	5.0	6.5	4.5	6.0	11.0	13.5	10.5	7.5	13.5
5	10.5	8.0	3.0	3.0	3.0	5.0	6.0	2.5	5.5	7.0	8.0	9.0	11.0	13.0	15.0	13.5	9.0	9.0	6.0	6.0	11.0	15.0	15.0	10.5	4.5	15.0
6	11.0	8.0	4.5	3.0	3.0	6.0	4.5	3.0	4.0	5.0	6.0	5.5	10.0	13.0	10.0	11.0	11.0	11.0	8.5	5.5	5.5	5.5	4.5	5.5	7.0	13.0
7	8.0	6.5	9.0	8.0	8.5	9.0	8.0	5.5	3.0	4.0	10.0	16.5	18.5	14.0	12.5	12.5	13.0	12.5	11.5	11.5	9.5	5.5	4.5	13.5	9.5	18.5
8	11.0	9.0	9.0	6.5	3.0	7.0	4.0	5.5	6.5	8.5	8.5	9.0	8.5	6.5	10.0	12.0	13.0	18.5	20.5	5.5	11.0	7.0	3.5	3.0	4.5	20.5
9	3.5	3.5	5.0	5.0	3.5	3.5	3.0	4.0	5.5	5.5	6.5	9.5	10.0	8.5	5.5	6.0	5.5	6.0	5.0	5.0	5.5	7.0	3.0	3.0	6.0	10.0
10	4.0	3.0	3.5	2.5	3.5	5.5	6.5	4.0	4.0	4.0	7.0	9.5	12.0	8.5	8.5	11.0	12.5	13.0	10.5	9.5	6.5	6.5	5.5	4.5	7.0	13.0
11	3.0	3.0	2.5	5.5	7.0	5.0	4.0	2.5	4.0	5.0	7.0	10.0	8.5	11.0	15.5	17.5	9.0	7.5	6.0	4.0	2.5	7.0	10.0	12.0	7.0	17.5
12	13.0	3.0	4.0	5.5	6.5	9.5	12.0	18.0	13.5	7.0	10.0	11.5	5.5	16.5	15.5	10.5	17.5	9.5	3.0	3.5	15.0	16.0	9.0	4.5	10.0	17.5
13	2.5	5.5	6.5	5.5	8.5	8.5	10.5	8.5	9.5	10.5	8.5	6.0	12.5	18.0	15.0	15.0	16.5	11.0	5.5	11.5	11.5	13.0	12.0	6.0	9.5	18.0
14	5.5	3.0	3.5	5.5	7.0	6.0	7.0	7.5	6.5	9.5	8.5	8.0	10.0	14.0	12.5	15.5	11.5	10.5	7.5	8.0	11.5	10.0	5.5	4.5	8.5	15.5
15	5.5	9.0	8.5	5.0	5.5	3.0	3.0	2.5	4.0	4.0	8.0	11.0	13.5	14.5	18.0	15.5	17.5	16.5	15.0	13.0	19.5	6.5	5.0	5.0	9.5	19.5
16	6.5	7.5	7.0	8.0	5.5	6.0	2.5	3.5	5.0	6.5	6.0	6.5	9.5	10.5	7.0	9.0	8.0	5.5	3.0	3.0	5.0	10.0	10.0	5.0	6.5	10.5
17	9.0	6.5	8.0	5.0	6.5	4.5	3.5	3.0	5.0	6.0	10.0	8.5	11.5	11.0	8.5	9.5	18.5	16.0	14.0	15.0	10.5	4.0	6.0	4.0	8.5	16.0
18	6.5	5.0	4.0	4.0	3.0	6.5	3.0	5.5	5.0	4.0	4.0	8.5	10.0	14.5	9.0	8.5	9.0	6.5	6.0	6.0	10.5	4.0	6.0	4.0	8.5	16.0
19	6.5	6.5	4.0	3.0	3.5	6.0	6.0	4.0	8.5	9.0	11.0	11.5	11.0	11.5	13.5	14.5	14.5	16.0	18.5	12.5	9.0	7.0	5.0	5.0	9.5	18.5
20	3.5	4.5	2.5	2.5	3.5	4.0	3.0	5.0	7.0	4.5	5.0	6.0	9.5	11.5	12.5	10.0	7.0	4.5	3.5	3.5	3.0	3.5	3.0	2.5	5.5	12.5
21	7.0	3.5	4.5	5.0	3.0	3.0	2.5	7.0	7.5	7.0	7.5	7.0	7.0	10.5	14.0	18.0	11.5	9.5	6.5	2.0	2.5	6.5	7.0	5.0	6.5	18.0
22	9.0	12.0	10.5	9.0	4.0	5.5	3.5	3.0	4.5	7.5	6.5	10.0	12.5	14.5	14.5	15.5	13.0	12.0	10.0	6.0	8.0	6.5	4.5	6.5	6.5	15.5
23	10.0	7.5	5.5	2.5	2.5	4.0	8.5	3.5	3.5	5.5	7.0	8.5	8.0	9.0	16.5	11.5	4.5	4.0	5.0	6.0	5.5	8.5	9.5	4.5	6.5	16.5
24	5.0	6.5	8.0	7.0	8.5	5.0	5.0	3.5	5.5	4.5	7.0	8.5	10.0	13.0	14.0	10.5	6.5	13.5	15.0	17.0	10.0	4.5	3.0	3.0	6.0	17.0
25	3.0	3.5	4.5	5.0	4.5	5.0	7.0	8.0	5.5	7.5	6.5	8.0	9.5	12.0	11.0	11.0	6.0	5.0	7.0	6.5	7.0	4.5	3.5	4.0	6.5	12.0
26	6.5	10.0	8.0	5.0	5.0	4.0	3.5	2.5	3.5	6.5	4.0	5.0	8.5	9.5	6.5	7.5	11.5	12.0	11.5	11.5	12.0	9.0	8.5	7.5	5.5	19.5
27	7.0	6.0	4.5	3.0	6.0	6.0	4.5	4.5	3.5	5.0	5.0	6.5	7.5	6.5	7.5	5.0	9.0	7.0	3.5	3.0	6.0	6.0	7.5	5.5	9.0	9.0
28	5.5	7.5	6.0	4.0	5.0	5.0	9.0	5.0	7.5	5.5	6.5	7.5	11.5	11.5	13.0	7.5	9.0	4.0	3.5	4.5	4.5	12.0	10.0	12.5	7.5	10.0
29	5.0	3.5	4.0	3.5	6.0	7.5	10.0	4.5	8.0	6.0	9.5	10.5	12.0	18.0	15.0	6.0	13.5	13.5	8.5	4.5	5.5	8.0	8.0	4.0	7.0	18.0
30	5.5	3.5	3.5	6.0	5.5	6.0	6.5	4.0	5.0	4.5	8.0	11.0	10.5	13.0	12.5	12.5	10.0	11.0	6.5	5.0	4.0	3.5	6.5	4.0	7.0	13.0
31	3.0	5.0	5.0	7.5	7.5	8.0	6.5	5.0	4.0	4.5	5.5	5.0	6.0	5.0	6.5	5.0	10.5	14.0	13.5	12.0	10.0	3.0	3.0	5.5	6.5	14.0
AV	7.0	6.0	5.5	5.5	5.0	5.5	5.5	5.0	5.5	6.0	7.0	8.0	9.5	11.0	11.5	11.0	10.5	10.0	9.0	8.0	8.0	8.0	7.5	6.5	7.5	11.0
SD	3.0	2.5	2.0	2.0	2.0	1.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.5	3.5	3.5	3.5	4.0	4.5	4.5	4.0	3.5	3.5	5.0	1.0	1.0

ADDDT (29 JAN 81)

WIND SPEED ICC1011

MILES/HOUR

LFVEL HEIGHT I 10 METERS

WHITE HIVER SHALE PROJFC1, #119

BONANZA, UTAH

SITE 11

AUG. 1960

AEROTECHNICAL INC.

.....
* FINAL DATA *
* AS (F 31/MAR/A) *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.5	3.0	3.5	6.0	9.0	9.5	5.5	5.0	6.0	2.5	6.0	7.5	9.5	13.5	9.0	8.0	12.5	15.0	3.0	4.0	9.5	11.0	7.0	5.5	7.0	15.0	
2	7.0	4.5	5.0	4.0	4.5	4.5	2.5	2.5	4.0	5.0	6.0	9.5	11.5	10.5	9.5	10.5	10.0	12.5	16.0	10.5	8.0	17.5	2.5	4.0	7.0	16.0	
3	3.5	7.0	8.5	8.0	6.5	7.5	6.5	3.0	3.0	4.5	8.5	16.0	23.0	22.5	25.5	27.5	30.5	30.5	28.0	17.5	10.0	12.5	7.5	10.0	14.0	10.5	
4	6.5	3.5	5.5	6.5	2.5	3.0	4.0	4.5	6.0	9.5	9.5	12.5	15.0	13.5	12.0	10.5	11.0	17.5	18.0	16.0	8.5	5.0	8.0	6.5	9.0	18.0	
5	7.0	8.5	7.0	7.5	5.0	3.0	4.5	3.5	7.5	6.5	9.0	10.0	11.0	7.0	5.0	10.5	13.0	10.0	8.0	6.0	8.5	12.5	13.5	10.5	8.0	13.5	
6	8.0	12.5	5.5	5.5	6.0	5.5	5.0	3.0	5.5	13.0	6.5	7.0	9.5	12.5	11.5	10.0	8.0	8.0	4.0	7.0	5.0	6.5	10.0	4.5	8.0	13.0	
7	3.5	4.0	3.5	7.0	2.5	3.0	5.5	4.0	5.0	7.0	9.0	8.0	9.0	10.5	9.5	7.5	6.0	4.0	4.0	7.0	5.5	9.5	4.5	7.0	6.0	10.5	
8	7.5	5.5	3.5	3.5	5.5	6.5	4.0	4.0	5.5	5.5	7.0	7.0	12.5	13.0	13.0	8.0	8.5	5.5	6.0	3.0	3.0	4.0	7.5	5.5	6.5	13.0	
9	12.5	16.0	7.0	5.0	4.5	2.5	6.0	8.5	6.0	9.5	12.0	12.5	15.5	10.0	20.0	16.0	15.0	15.0	8.5	3.5	3.0	2.5	9.5	6.5	9.5	20.5	
10	5.5	2.5	4.0	4.0	2.5	4.0	5.5	5.0	4.0	3.5	5.5	11.5	15.0	15.0	16.5	14.0	15.0	16.5	15.5	13.5	11.5	7.0	5.0	6.0	9.0	18.0	
11	3.5	3.0	3.5	2.5	3.5	3.0	2.5	3.5	5.5	6.5	4.5	5.0	6.5	6.0	6.5	7.5	6.0	7.0	4.5	3.0	4.5	12.0	10.5	13.5	5.5	13.5	
12	9.0	8.5	5.0	5.0	4.5	2.5	2.5	4.5	8.5	9.5	10.0	11.5	13.0	12.5	7.0	8.5	15.0	8.5	12.0	13.0	16.0	18.0	16.0	5.0	9.5	18.0	
13	3.0	2.0	5.0	11.0	9.5	9.0	4.0	3.0	3.5	5.5	8.5	9.5	10.5	10.0	15.5	13.5	16.0	7.5	13.0	7.0	10.0	14.0	6.5	6.5	8.5	16.0	
14	6.0	5.0	3.0	4.0	4.0	4.0	5.0	5.0	4.0	6.0	5.5	9.5	7.5	11.5	15.0	11.0	7.5	6.0	15.0	12.5	8.5	5.5	6.0	6.0	7.0	15.0	
15	7.0	3.0	7.0	13.0	12.5	10.5	8.0	6.5	5.0	7.0	6.5	9.5	14.5	16.0	15.5	19.0	20.0	14.5	6.0	11.5	13.0	11.0	9.0	6.0	10.5	20.0	
16	6.0	5.5	4.0	7.0	9.5	5.5	9.0	8.5	4.0	7.0	9.5	10.5	11.5	9.0	11.5	10.5	7.5	4.5	4.0	3.5	5.5	9.5	5.0	5.0	7.0	11.5	
17	5.0	9.5	12.0	6.0	3.5	3.0	4.0	3.0	2.5	4.0	4.5	5.0	6.0	8.0	10.5	9.0	14.0	7.0	8.0	5.0	4.0	4.0	5.5	5.0	6.5	14.0	
18	9.0	4.0	6.5	6.0	5.0	2.0	2.5	3.0	5.5	10.5	11.5	14.0	14.5	12.5	18.0	15.5	14.0	11.5	12.0	12.5	12.0	10.5	10.5	10.0	9.5	18.0	
19	11.5	9.5	10.0	13.0	10.0	21.0	12.0	12.0	11.5	13.0	11.0	14.5	16.5	23.0	25.5	11.5	24.5	7.0	5.0	5.0	12.5	11.0	7.0	5.0	13.0	25.5	
20	2.0	3.5	5.0	7.0	7.0	7.5	8.0	5.0	5.0	17.0	5.5	8.5	11.0	8.0	7.5	4.5	4.5	4.0	4.0	4.5	8.0	4.0	6.5	7.5	6.5	17.0	
21	7.5	9.0	9.0	6.0	4.0	6.5	3.5	3.0	5.5	5.5	5.5	7.0	6.5	7.5	9.0	6.0	4.0	3.0	8.0	12.0	13.5	15.5	9.5	7.0	15.5	7.0	15.5
22	11.0	4.5	5.0	5.0	4.0	4.0	3.0	2.5	3.5	4.5	5.0	4.5	12.0	13.5	16.5	11.5	10.5	11.0	7.5	8.5	4.0	7.0	7.0	7.5	16.5	7.0	16.5
23	10.0	12.5	10.5	9.5	8.0	6.0	2.5	6.0	9.0	9.5	10.0	9.0	15.5	17.0	20.0	11.5	10.0	19.0	16.0	21.5	20.0	16.5	8.0	12.0	21.5	8.0	21.5
24	2.5	4.5	3.0	4.5	11.5	12.5	5.0	2.0	3.5	5.5	6.0	7.5	7.5	5.5	8.5	7.0	7.5	7.0	12.0	5.5	4.0	8.5	16.5	11.0	7.0	16.5	
25	4.5	3.0	7.0	12.5	9.5	5.5	7.5	8.0	7.0	3.5	6.0	14.0	8.0	6.5	8.0	13.0	19.5	6.5	3.5	4.0	5.0	7.5	6.0	3.5	7.5	19.5	
26	5.0	3.0	4.0	3.5	4.5	9.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
27	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
28	9.0	6.5	3.5	5.5	3.0	3.0	3.0	3.5	4.5	5.5	6.0	12.0	12.0	12.0	11.5	12.0	10.5	11.5	14.0	14.0	14.0	12.5	10.0	7.0	12.5	7.0	12.5
29	11.0	8.5	11.0	11.0	6.0	13.5	12.5	7.5	7.5	8.0	8.5	13.0	14.5	13.0	10.0	13.0	10.5	8.5	9.5	7.0	6.5	8.5	12.0	10.0	14.5	10.0	14.5
30	6.0	8.5	7.0	3.0	3.0	2.5	5.5	3.5	4.5	3.5	5.0	10.0	6.5	7.0	16.0	15.0	14.0	23.0	20.5	11.0	5.0	4.0	4.0	4.0	8.0	23.0	
31	4.5	5.0	7.0	4.0	3.5	3.0	3.5	3.5	4.5	3.5	5.5	8.0	11.0	12.5	17.5	12.5	10.0	5.5	4.0	4.5	4.0	5.0	3.5	5.5	6.5	23.0	
AV	6.5	6.0	6.0	6.5	6.0	5.5	5.5	5.0	5.5	7.0	7.0	9.5	11.5	11.5	12.5	12.0	12.0	11.0	10.0	8.5	9.0	9.0	8.5	7.5	8.0	11.0	
SD	3.0	3.5	2.5	3.0	3.0	4.0	4.0	2.5	2.0	3.5	2.5	3.5	4.0	4.5	5.0	4.5	5.0	6.5	6.0	4.5	4.0	4.0	4.0	2.5	2.0	1.0	

WIND SPEED 1CC1011

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

SEP. 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	3.5	4.5	5.0	4.0	3.0	4.5	4.0	3.5	4.0	4.5	4.0	9.5	8.0	7.0	5.5	5.5	4.5	3.0	2.5	4.5	5.0	6.5	5.5	6.0	6.0	5.0	9.5	
2	7.0	5.5	5.5	5.0	6.5	4.5	4.0	3.0	4.5	4.5	8.0	10.5	9.0	10.0	11.5	10.5	11.5	6.5	7.0	12.0	14.0	12.5	6.0	6.0	6.0	6.0	14.0	
3	16.0	14.0	5.0	3.0	4.0	4.0	3.0	4.5	5.0	8.5	5.5	8.5	9.5	10.5	17.0	13.5	14.5	12.5	10.5	6.0	3.0	4.5	8.0	6.5	8.0	17.0	17.0	
4	3.5	6.5	9.0	4.0	6.0	4.5	3.5	3.5	4.5	3.5	4.5	6.0	7.0	8.5	6.0	6.0	3.0	2.5	3.0	3.0	10.5	6.0	9.0	4.0	5.5	10.5	10.5	
5	6.0	6.5	3.0	4.0	6.0	3.5	3.5	3.5	4.0	13.0	4.0	5.0	4.0	6.0	9.0	9.0	7.0	7.5	4.5	3.0	6.5	11.0	9.0	13.0	6.5	11.0	11.0	
6	7.5	5.0	5.0	7.5	5.5	7.5	7.5	7.5	9.5	7.5	8.0	7.0	6.5	9.0	14.0	14.5	8.5	7.5	2.5	5.5	8.5	11.5	10.0	13.0	8.0	10.5	10.5	
7	7.5	7.0	3.0	2.5	3.0	2.5	4.0	4.0	8.5	10.5	5.0	6.0	4.0	4.0	4.5	4.0	7.0	9.0	5.5	3.5	7.5	7.5	4.5	5.0	5.5	10.5	10.5	
8	13.5	4.5	5.5	6.0	7.0	4.5	5.0	8.5	12.5	9.0	4.5	3.0	4.0	2.5	4.0	2.5	3.0	2.5	3.0	3.0	3.0	2.5	3.0	4.0	5.0	5.5	14.5	
9	3.5	3.0	2.5	3.0	5.5	3.0	3.0	2.5	4.0	5.5	3.0	3.5	4.0	3.5	4.5	4.0	4.0	4.5	9.0	6.0	5.0	4.0	3.0	3.5	4.5	9.0	9.0	
10	3.0	2.0	2.0	3.5	3.0	3.0	2.5	2.5	4.0	5.5	14.5	4.5	4.5	5.0	6.0	4.5	4.0	7.0	7.0	5.0	9.0	5.0	4.0	3.0	3.5	4.5	9.0	
11	2.5	3.0	5.0	2.0	2.5	3.5	6.0	7.0	5.5	11.5	11.0	10.5	12.0	11.0	11.5	11.0	12.5	7.0	5.0	7.0	4.5	4.0	5.0	5.0	6.0	7.0	12.5	
12	5.5	5.5	4.0	4.0	3.0	3.5	5.0	6.0	5.5	7.5	3.5	4.0	6.0	6.5	5.5	5.0	11.5	4.0	8.5	7.5	7.5	11.5	7.0	5.5	6.0	11.5	11.5	
13	6.5	7.0	3.5	5.5	3.5	2.5	3.0	2.0	3.0	4.0	4.5	16.5	15.0	14.0	12.5	11.5	8.5	10.0	9.5	8.5	6.5	9.5	13.0	12.0	8.0	16.5	16.5	
14	8.5	4.0	5.5	6.0	7.0	4.5	7.0	4.0	8.0	9.5	12.0	10.0	10.5	10.5	10.5	11.5	7.0	4.0	2.5	4.5	6.5	3.0	5.5	8.0	7.0	12.0	12.0	
15	6.5	4.0	2.5	4.0	3.0	2.5	3.0	3.5	3.0	5.0	8.5	9.5	12.0	12.5	14.0	9.0	8.0	8.0	7.0	6.0	8.5	6.5	9.0	5.5	7.0	14.0	14.0	
16	6.5	4.5	2.5	2.0	3.5	3.0	4.0	3.5	6.0	15.5	20.0	17.5	18.5	16.5	17.0	15.5	19.5	12.0	14.0	14.0	13.0	6.0	4.0	4.0	10.5	20.0	20.0	
17	6.0	7.5	10.0	10.0	6.5	6.0	6.5	6.0	3.5	6.0	3.5	8.0	9.5	20.0	10.0	11.5	8.5	9.0	7.0	7.5	4.0	5.5	9.0	7.5	8.0	4.0	20.0	
18	6.5	6.0	7.5	7.5	6.5	7.0	7.5	4.5	3.5	5.0	3.5	7.0	11.5	13.5	15.0	14.5	10.5	20.5	10.0	12.5	15.5	15.5	16.5	15.0	8.5	10.0	20.5	
19	9.0	12.0	11.5	12.0	10.5	10.0	10.5	11.5	12.0	9.5	10.5	12.5	14.0	13.5	13.0	16.5	13.0	9.0	9.5	11.5	11.5	11.0	11.0	7.5	6.5	11.0	16.5	
20	8.0	3.5	3.0	6.0	6.5	8.5	7.5	5.0	4.5	6.5	7.5	8.0	9.0	6.5	6.5	6.0	3.5	2.5	5.0	7.0	6.0	9.5	10.5	7.5	6.5	10.5	10.5	
21	3.5	6.5	4.0	4.5	3.5	4.0	8.0	4.5	4.0	10.5	15.5	15.0	14.5	19.0	20.5	18.0	7.0	13.5	13.0	16.5	9.5	3.0	2.5	3.0	9.5	20.5	20.5	
22	3.0	3.0	4.0	11.5	2.5	2.5	6.5	5.5	5.0	6.0	6.5	4.5	7.5	6.5	7.5	5.0	5.5	3.5	3.5	4.5	7.0	5.0	6.0	5.0	5.0	11.5	11.5	
23	5.0	7.0	7.0	8.5	8.5	9.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
25	8.0	5.0	8.5	6.0	3.5	3.5	3.0	4.5	5.5	5.5	7.0	7.5	6.0	8.0	8.5	8.5	6.5	3.0	2.0	4.5	4.5	6.5	5.5	7.0	6.0	6.0	6.0	
26	4.5	7.0	6.5	5.5	7.0	7.5	7.5	6.0	3.5	4.5	4.5	5.0	6.0	6.0	6.0	7.0	6.0	3.0	5.5	8.5	8.5	7.5	7.5	7.0	6.0	6.0	6.0	
27	6.0	6.0	9.5	3.5	6.5	5.0	6.5	5.5	3.0	4.5	6.0	5.0	7.0	8.0	8.0	6.5	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
28	5.5	3.5	5.5	7.5	7.5	7.5	5.5	3.0	4.0	6.0	4.0	4.5	9.0	9.5	6.0	6.0	3.5	3.5	3.5	6.5	7.0	4.5	3.5	4.0	5.0	5.5	9.5	9.5
29	3.5	5.5	5.5	6.5	6.0	7.5	7.5	6.5	4.5	5.0	5.5	5.5	6.0	5.5	7.5	6.0	4.0	2.5	6.5	7.5	6.0	5.0	7.0	5.5	6.0	7.5	7.5	7.5
30	6.5	7.5	7.0	7.5	6.5	8.0	7.5	9.5	6.5	4.0	4.5	5.0	6.5	7.0	7.5	6.0	4.5	3.0	2.0	4.5	4.0	6.0	7.0	4.0	6.0	6.0	9.5	9.5
AV	6.5	6.0	5.5	5.5	5.5	5.0	5.5	5.0	5.5	7.0	8.0	8.5	9.0	9.5	9.5	8.5	7.5	6.5	6.0	7.0	7.0	7.5	7.5	7.0	6.5	7.0	7.0	7.0
SD	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.0	4.0	4.5	4.0	3.5	4.0	4.5	3.5	4.5	3.0	3.5	3.0	3.5	3.0	2.5	3.0	2.5	1.5	1.5

WIND SPEED (CC1011)

MILES/HOUR

LEVEL HEIGHT : 10 METERS

WHITE RIVER SMALE PROJECT, #139

BONANZA, UTAH

SITE 11

OCT. 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	6.5	7.5	8.0	7.5	7.5	8.0	8.5	4.0	4.0	6.0	5.0	6.0	5.0	6.5	5.5	3.0	3.0	3.0	3.0	3.5	3.0	3.0	4.0	6.0	5.5	8.5	
2	7.5	9.5	6.0	4.5	5.0	6.5	11.0	14.0	10.5	7.5	6.5	5.0	7.0	11.5	6.0	3.0	2.0	3.0	3.0	3.0	4.0	2.5	3.0	4.5	5.5	6.5	14.0
3	7.0	7.5	7.0	8.0	7.5	9.0	6.0	7.0	3.0	3.0	4.5	4.0	4.5	5.0	5.0	3.5	3.0	3.5	5.0	5.0	5.0	4.5	4.0	5.5	5.0	9.0	
4	7.0	6.0	8.0	8.5	8.5	8.5	7.0	2.0	4.5	4.5	4.5	6.5	5.0	7.0	6.0	4.0	4.0	4.0	5.0	6.5	8.0	5.5	5.0	5.5	6.0	9.0	
5	7.5	7.5	9.0	10.5	9.0	5.5	8.0	8.5	4.0	3.5	5.0	6.0	4.0	5.0	8.5	7.0	6.0	5.0	2.5	4.0	5.0	5.0	6.0	4.5	6.0	10.5	
6	3.0	5.5	3.0	4.5	5.0	6.5	8.5	8.5	5.0	4.0	4.0	6.5	6.5	9.0	7.5	5.5	5.5	4.5	4.0	4.5	6.0	6.0	7.5	6.5	5.5	9.0	
7	8.0	7.5	7.0	8.0	8.0	8.5	6.5	8.5	4.5	5.5	4.0	6.0	7.0	6.0	6.5	5.0	4.5	2.0	2.5	4.0	6.5	4.5	5.5	6.0	6.0	8.5	
8	5.5	7.0	7.0	6.5	7.5	8.0	8.5	8.0	5.5	2.5	4.0	5.0	5.5	5.0	2.5	2.5	2.0	2.0	3.0	5.0	5.5	4.0	3.5	4.5	5.0	8.5	
9	6.0	8.5	4.5	8.0	7.0	8.0	7.5	5.5	7.0	6.0	8.0	5.5	4.5	4.5	6.5	7.0	6.0	3.5	2.5	3.0	4.0	4.5	4.5	4.5	6.0	8.5	
10	5.0	4.5	4.5	8.0	6.0	6.5	8.5	7.0	6.0	6.0	6.5	6.0	5.5	5.5	4.5	4.5	6.0	3.5	2.5	2.5	2.5	4.0	4.0	5.0	5.5	8.5	
11	5.5	5.5	6.5	7.0	7.5	6.0	6.5	7.0	4.5	4.0	4.0	6.0	8.0	8.0	4.5	2.0	2.5	5.5	7.0	11.0	8.5	9.0	4.5	6.0	6.0	11.0	
12	5.5	3.5	5.0	2.5	2.0	3.5	3.0	4.5	8.5	7.0	12.0	4.5	8.5	9.5	5.0	6.5	14.0	13.0	9.5	7.5	6.0	2.5	3.5	3.5	6.5	14.0	
13	4.5	10.0	6.0	4.0	5.0	3.5	2.5	2.0	3.5	6.5	8.0	7.0	5.5	6.5	7.0	5.0	8.0	7.5	10.5	10.0	11.0	5.5	6.0	4.0	6.0	11.0	
14	3.5	4.0	4.0	4.0	3.5	2.5	2.5	3.0	6.0	3.5	9.0	12.0	12.0	12.0	6.5	6.0	13.5	21.0	18.5	9.0	4.0	3.0	7.0	13.0	7.0	21.0	
15	11.0	14.5	13.0	8.5	11.5	11.0	15.5	6.0	9.0	12.0	14.5	18.0	19.5	15.0	13.5	12.0	10.0	10.0	4.0	4.5	2.5	3.5	3.0	3.0	5.5	10.0	19.5
16	10.0	6.5	6.0	9.0	6.0	5.5	6.5	2.5	3.5	6.0	4.5	4.0	3.5	4.5	6.0	5.0	5.5	11.0	7.5	8.0	11.0	7.0	11.0	12.5	7.0	12.5	
17	9.0	2.0	4.0	6.5	4.0	6.0	5.5	6.5	5.0	5.5	7.5	10.5	14.5	14.5	12.5	6.0	6.0	8.5	10.5	11.5	7.0	4.0	2.5	3.0	7.5	14.5	
18	5.5	7.0	10.5	6.5	7.0	7.5	8.5	10.0	6.0	4.5	3.5	3.0	4.0	5.0	2.5	4.0	2.5	2.0	2.5	10.0	11.5	8.0	6.0	7.5	6.0	10.5	
19	10.5	6.5	8.0	8.5	5.0	6.5	6.5	5.5	3.5	5.5	5.5	4.5	5.0	5.5	5.0	5.0	4.0	4.0	2.5	2.5	5.0	7.5	8.0	6.5	6.0	10.5	
20	5.0	5.0	6.5	7.0	5.5	6.5	7.0	7.0	3.5	4.0	5.5	5.0	5.5	6.5	3.5	4.0	3.0	1.5	2.5	9.5	9.0	7.0	9.0	6.5	5.5	9.5	
21	6.0	5.5	5.0	4.5	6.0	4.5	5.5	3.5	3.5	4.5	3.0	6.0	6.5	6.0	4.0	2.5	3.0	1.5	2.5	4.0	8.0	7.5	8.0	4.5	5.5	4.0	
22	5.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	15.0	16.5	15.5	19.0	18.5	22.5	25.0	24.0	14.0	13.0	9.0	4.0	4.0	13.0	3.0	14.5	25.0
23	2.5	2.5	3.5	3.0	5.5	4.0	4.5	8.0	8.0	6.0	6.0	5.0	5.5	5.0	4.0	4.5	3.5	2.5	3.0	3.0	4.0	6.0	10.0	7.5	5.0	10.0	
24	4.5	5.0	5.5	6.5	6.5	5.5	6.0	3.0	3.0	4.0	5.0	5.0	5.5	5.0	5.5	6.5	7.5	7.5	4.5	3.0	4.0	2.0	5.5	5.0	5.0	7.5	
25	6.5	5.5	6.0	4.0	4.0	5.0	4.0	3.0	2.5	4.5	5.5	6.0	7.5	7.5	5.0	2.0	1.5	3.0	3.5	2.5	5.5	6.5	6.5	4.5	7.5	7.5	
26	4.0	3.5	4.0	2.0	2.5	3.0	3.5	4.0	3.0	4.5	6.5	8.0	6.5	4.0	2.0	3.0	2.0	2.5	2.5	2.0	3.0	6.0	3.5	2.5	4.0	8.5	
27	2.5	2.5	3.0	6.0	5.0	3.5	2.5	2.0	3.5	8.5	10.5	9.5	10.0	11.0	10.5	9.0	10.5	8.0	6.5	4.0	4.0	4.0	3.0	3.0	6.0	11.0	
28	4.0	4.0	3.0	3.0	3.0	2.5	4.0	3.0	5.0	3.5	4.5	5.5	4.5	4.5	2.5	2.5	4.5	4.5	4.0	4.0	6.0	6.0	6.5	7.5	4.0	7.5	
29	6.5	7.5	8.0	8.0	6.0	3.5	7.0	5.5	4.0	4.5	4.0	4.5	4.0	4.5	6.0	4.5	4.0	5.0	5.0	2.5	2.5	5.0	7.0	7.0	5.5	8.5	
30	4.0	7.5	5.5	3.5	6.0	6.0	3.5	4.0	3.0	3.0	3.5	6.5	3.5	3.5	5.0	5.0	1.5	4.5	4.5	4.5	3.0	3.5	4.0	5.0	4.0	7.5	
31	7.5	7.0	4.0	3.5	4.5	4.0	3.5	3.0	3.0	3.0	4.0	3.5	6.0	4.5	5.0	5.0	3.5	3.0	3.0	2.0	3.0	2.5	3.5	4.0	4.0	7.5	
AV	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.5	5.5	6.0	6.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	5.5	5.5	5.0	6.0	6.0	6.0	6.0	6.0
SD	2.0	2.5	2.5	2.0	2.0	2.0	3.0	2.5	2.0	3.0	3.5	3.5	3.5	3.5	3.5	4.0	4.5	5.0	3.5	3.0	2.5	2.0	2.5	2.5	2.0	2.0	

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #1119

HONARZA, UTAH

SITE 11

DEC. 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* 48 OF 31/MAR/A1 *
*
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CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	4.0	5.0	3.0	3.0	4.5	8.5	11.0	11.5	7.0	8.5	10.5	12.5	10.0	8.0	5.5	3.0	4.5	5.5	4.5	8.5	4.5	5.5	5.5	4.0	4.0	6.5	12.5	
2	2.5	3.0	3.5	3.0	4.0	3.5	3.0	4.0	4.0	6.0	6.0	4.0	3.0	2.5	3.5	3.0	2.0	2.5	3.0	2.5	3.0	4.0	4.0	3.5	3.5	3.5	6.0	
3	5.0	3.0	3.5	4.0	4.5	5.0	8.0	7.5	7.5	7.0	5.5	3.0	6.5	14.5	7.0	12.0	10.0	10.0	7.5	12.5	9.5	7.0	4.0	3.0	7.0	14.5	7.0	
4	2.5	3.5	9.5	7.5	8.0	9.5	10.5	12.5	14.5	18.0	17.5	22.5	19.5	17.5	12.0	10.0	14.0	15.0	5.5	6.0	7.0	9.5	10.0	6.0	11.0	22.5	7.0	
5	8.5	11.0	13.5	9.5	11.0	10.0	8.0	6.5	4.0	5.0	7.5	6.5	5.0	5.5	6.0	6.5	9.0	5.0	5.5	4.0	4.5	4.0	3.0	5.0	7.0	13.5	4.0	
6	.5	.5	.5	2.0	3.0	3.5	4.0	3.0	3.0	3.5	3.0	3.0	3.5	3.0	3.0	2.0	1.5	2.5	4.5	4.5	5.0	4.0	2.0	2.5	3.5	9.0	4.0	
7	3.5	3.5	2.5	3.0	2.5	4.0	4.0	2.5	2.0	3.0	4.0	3.0	5.5	5.0	3.0	3.0	1.5	2.5	4.5	4.5	5.0	4.5	4.5	7.0	3.5	7.0	4.0	
8	8.0	6.0	5.0	4.0	4.0	4.5	5.0	3.0	6.0	4.0	4.5	5.5	9.5	9.0	8.0	5.5	2.5	2.5	4.0	10.0	12.5	6.0	6.5	7.0	6.0	12.0	6.0	
9	12.0	7.5	6.0	4.0	4.0	4.0	1.5	3.0	4.5	6.0	7.0	6.5	7.0	4.5	3.5	2.5	2.5	4.0	10.0	12.5	4.0	6.5	7.0	7.5	5.5	12.5	6.0	
10	4.5	5.0	6.0	5.5	5.0	4.0	4.0	3.0	4.5	3.0	3.5	4.0	4.0	5.0	3.0	4.5	4.0	3.5	3.0	2.5	2.5	3.5	3.0	5.5	4.0	6.0	4.0	
11	4.5	3.0	3.5	2.5	3.0	3.0	3.5	2.5	2.0	3.0	3.0	5.0	5.5	5.0	4.0	5.0	4.0	3.0	2.5	2.5	2.5	3.5	5.0	3.5	3.5	5.0	5.5	
12	4.0	5.0	3.0	4.0	4.0	3.0	4.5	4.0	5.0	2.0	3.0	3.5	4.0	3.5	4.0	5.5	3.0	3.0	3.5	3.0	2.5	3.0	3.5	4.0	3.5	5.0	3.5	
13	4.5	4.0	5.5	6.0	7.5	6.0	6.0	6.0	5.5	3.0	4.0	3.0	3.5	3.5	2.5	4.0	3.0	3.0	4.5	4.0	4.5	2.0	2.0	3.5	4.0	4.0	7.5	4.0
14	4.5	5.0	5.0	3.5	4.5	5.0	8.0	3.5	3.0	6.0	4.0	3.0	3.5	3.0	5.0	9.0	6.0	3.0	3.0	4.5	5.0	7.5	4.0	3.5	4.5	4.0	4.0	4.0
15	6.5	4.5	4.0	5.5	6.0	4.0	2.5	5.5	5.0	4.0	4.5	7.0	4.5	3.5	3.0	2.5	3.5	6.5	5.5	2.5	2.5	5.0	5.0	3.0	4.5	4.5	4.5	4.0
16	4.0	3.5	3.5	3.0	5.0	3.5	4.0	4.0	3.0	3.0	3.5	3.0	3.0	6.5	5.0	5.0	7.0	2.5	2.0	2.5	2.5	3.0	4.0	6.0	4.0	4.0	7.0	4.0
17	6.5	6.5	3.5	2.5	3.0	4.0	3.5	3.0	2.5	2.5	3.0	3.5	4.0	4.5	4.0	4.5	5.0	5.0	3.0	2.5	3.0	2.0	5.5	6.5	4.0	4.0	6.5	4.0
18	3.0	4.5	4.0	4.5	3.5	5.0	2.5	3.5	3.0	4.0	4.0	2.0	3.0	5.5	6.5	5.5	4.5	3.0	4.0	4.5	2.5	2.5	4.0	3.5	4.5	4.0	6.5	4.0
19	3.0	4.5	4.0	4.5	3.5	5.0	7.0	5.0	6.0	3.5	4.5	5.0	2.5	3.0	3.0	5.5	3.0	5.5	4.0	1.5	3.0	4.0	4.5	4.0	4.5	4.5	4.5	4.5
20	4.0	7.0	5.5	5.5	5.0	6.5	2.5	5.5	4.0	3.5	4.0	9.5	3.5	3.0	5.0	5.0	4.5	3.0	3.0	2.5	3.0	3.0	1.5	14.5	5.0	10.5	5.0	
21	3.5	4.0	5.5	3.5	4.5	4.0	5.0	5.0	4.0	5.5	3.5	3.5	3.5	3.5	2.5	2.5	2.0	2.0	2.5	4.5	4.5	4.0	4.0	1.5	3.5	4.0	4.0	4.0
22	3.0	4.0	3.5	3.0	6.5	3.0	5.0	3.0	5.0	3.5	3.5	3.5	3.0	2.5	5.0	5.5	7.5	12.5	20.0	4.5	4.5	8.0	9.5	4.0	5.5	20.0	5.5	
23	3.0	2.5	4.0	7.0	4.0	8.5	8.5	6.0	4.5	4.0	8.0	7.0	5.0	5.0	5.0	5.0	2.5	3.0	5.5	6.0	6.0	9.5	4.0	2.5	5.5	9.5	5.5	
24	3.5	7.0	9.5	5.0	3.0	7.5	4.5	5.5	4.5	2.5	4.5	6.5	7.0	5.0	4.0	3.0	4.0	3.0	3.0	3.0	6.0	3.0	4.5	3.0	4.5	9.5	4.5	
25	2.5	3.0	3.0	4.5	3.5	2.5	5.0	4.5	4.0	4.5	3.5	3.5	5.0	5.0	4.0	4.0	4.0	2.5	5.0	6.0	5.5	6.5	11.0	7.0	5.0	11.0	5.0	
26	7.5	6.0	7.0	5.0	5.5	3.0	5.0	5.0	4.0	4.5	4.5	5.5	5.5	3.5	3.0	2.5	3.5	5.0	2.5	2.5	2.5	2.0	4.5	3.0	4.5	3.0	4.5	7.5
27	3.5	3.5	4.5	4.5	3.5	3.0	4.0	3.5	2.0	3.0	3.0	2.0	3.0	4.0	4.0	3.0	6.0	3.5	2.5	2.5	3.0	3.0	2.5	3.0	2.5	3.0	4.5	6.0
28	2.5	3.0	3.0	5.0	3.0	2.5	2.5	4.0	2.5	2.0	2.0	4.5	7.0	6.0	4.5	5.5	4.0	3.0	3.5	3.0	3.5	4.0	3.0	4.0	3.5	3.0	4.0	4.0
29	3.5	4.0	4.0	5.0	5.0	7.5	7.0	6.0	5.0	4.5	3.5	3.5	4.5	3.5	4.0	2.5	2.5	2.5	2.5	2.5	5.0	7.0	4.0	6.0	4.0	4.5	7.5	4.0
30	4.0	4.0	6.0	3.5	5.5	2.0	3.0	4.0	3.5	2.0	2.5	4.0	3.0	5.5	6.0	6.0	5.5	5.0	2.0	5.5	5.0	5.5	5.0	5.0	4.0	4.0	4.0	7.5
31	5.0	5.0	5.0	5.0	6.0	4.0	5.0	4.0	4.0	2.5	2.5	3.0	4.0	6.0	4.0	4.0	6.0	4.0	1.5	1.5	2.5	3.0	4.0	5.0	4.0	4.0	6.0	4.0
AV	4.5	5.0	5.0	4.5	5.0	5.0	5.0	4.5	4.5	4.5	4.5	5.5	5.0	5.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0
SD	2.0	2.0	2.5	1.5	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	2.5	3.0	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #1139
 BONANZA, UTAH
 SITE 11

JAN. 1980

AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	140	205	285	160	135	150	210	205	235	70	140	325	330	330	320	310	295	280	270	300	310	300	230	150	14	
2	330	110	160	180	340	320	315	345	335	340	340	345	330	330	320	25	105	340	305	315	305	320	305	245	14	
3	305	120	130	155	145	125	110	5	15	345	325	325	325	325	335	260	315	315	325	140	90	210	190	240	7	
4	190	320	165	95	45	315	310	315	295	315	320	350	325	330	310	325	315	315	245	20	325	310	230	15		
5	280	150	80	150	145	125	110	125	115	155	95	20	335	315	300	215	110	30	310	320	335	10	135	205	7	
6	175	225	295	310	75	295	355	145	265	280	285	315	325	60	55	85	90	85	100	145	235	325	35	15		
7	135	235	15	320	140	335	160	330	300	330	120	300	290	290	320	340	225	165	150	155	140	150	130	141	15	
8	120	105	330	300	325	30	345	335	25	125	305	315	320	270	100	145	160	225	185	175	180	180	180	185	15	
9	180	185	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	9
10	165	180	180	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	9	
11	135	135	135	120	120	120	115	275	135	115	350	330	325	120	310	305	90	5	75	300	315	305	305	190	6	
12	155	335	220	220	140	285	305	325	325	285	95	310	305	40	320	285	115	310	175	155	135	300	270	140	15	
13	300	280	115	315	350	345	355	10	5	50	315	315	315	290	60	315	265	180	180	185	180	165	165	180	15	
14	180	170	170	160	155	160	170	190	295	230	135	145	150	150	145	135	210	190	150	60	145	290	280	195	15	
15	105	205	120	120	125	320	335	335	335	330	135	315	310	330	10	125	125	385	320	170	285	170	145	135	16	
16	165	180	195	170	155	145	140	250	325	115	300	300	325	315	325	340	335	320	270	300	310	315	310	325	15	
17	305	130	145	135	180	190	255	140	300	325	110	85	315	305	320	325	335	315	305	240	130	10	250	115	15	
18	160	130	135	125	70	295	5	95	280	275	320	315	315	310	315	310	290	270	285	90	100	110	110	95	15	
19	95	105	100	105	100	105	105	100	100	105	105	100	90	75	70	65	75	20	100	95	80	70	70	70	5	
20	90	140	135	140	145	155	140	140	150	145	130	310	305	300	320	305	305	315	290	275	290	290	255	140	7	
21	200	220	135	315	315	325	355	95	310	305	290	340	120	290	60	315	305	310	310	110	320	315	315	315	15	
22	320	320	305	310	320	40	110	115	120	115	60	310	290	335	320	300	290	385	295	35	130	120	185	130	15	
23	150	255	135	250	160	125	345	350	100	355	285	320	320	320	315	325	300	275	305	320	54	145	270	325	14	
24	325	230	275	205	345	60	300	120	45	150	135	315	300	275	310	330	315	310	305	320	275	315	125	115	15	
25	305	310	100	350	130	305	335	45	135	320	320	310	320	135	260	305	130	280	170	55	105	100	85	345	15	
26	320	320	285	300	330	290	305	330	340	330	315	320	315	330	330	340	55	70	95	85	40	25	310	320	15	
27	320	145	325	320	325	150	160	130	310	325	300	305	315	305	305	330	340	305	295	130	305	305	135	105	15	
28	45	70	15	45	320	285	300	295	310	315	325	320	335	355	340	345	315	310	310	320	295	290	305	110	15	
29	140	285	305	320	310	295	300	310	315	310	290	300	290	300	315	150	150	285	135	95	175	200	280	15	18	
30	140	135	135	140	120	120	120	120	110	50	325	320	320	315	110	320	0	290	140	130	90	130	90	130	6	
31	125	130	125	120	125	145	140	110	125	305	40	320	315	125	320	315	315	230	345	310	240	155	145	190	7	
PV	7	7	7	141	7	8	16	141	15	15	15	15	15	15	15	15	15	15	15	15	15	15	141	7	15	

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BOHANZA, UTAH
SITE 11

LEVEL HEIGHT 1 10 METERS

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

JAN, 1980

AEROENVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	SSW	WNW	SSE	SE	SSE	SSW	SSW	ENE	SE	NW	NNW	NNW	NW	NW	NW	ENE	NW	NW	NW	NW	WNW	SK	SSE	WNW	
2	NW	ESE	SSE	SSE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
3	NW	ESE	SE	SSE	SE	SSE	ESE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
4	S	NW	SSE	E	NE	NW	NW	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
5	N	SSE	E	SSE	SE	SE	ESE	ESE	SE	E	NNE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
6	S	SW	WNW	NW	ENE	WNW	N	SE	W	WNW	NW	NW	ENE	NE	E	E	E	E	E	E	E	E	E	E	E	NW
7	SE	SW	NNE	NW	SE	NNW	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW
8	ESE	ESE	NNW	WNW	NW	NNE	NNW	NNE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
9	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	NW
10	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	NW
11	SE	SE	SE	ESE	ESE	ESE	W	SE	ESE	N	NNW	NW	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	
12	SSE	NNW	SW	SW	SE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	ESE	
13	WNW	W	ESE	NW	N	NNW	N	N	NE	NW	NW	NW	ENE	NW	W	S	S	S	S	S	S	S	S	S	NW	
14	S	S	S	SSE	SSE	SSE	S	S	WNW	SW	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	
15	ESE	SSW	ESE	ESE	SE	NW	NNW	NNW	NW	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	
16	SSE	S	SSW	S	SSE	SE	SSW	NW	ESE	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
17	NW	SE	SE	SE	SE	S	SSW	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	
18	SSE	SE	SE	SE	ENE	WNW	N	W	W	NW	NW	NW	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NW	
19	E	ESE	E	ESE	E	ESE	E	E	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NW	
20	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	
21	SSW	SW	SE	SE	NW	NW	N	E	NW	NNW	NNW	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	
22	NW	NW	NW	NW	NW	NE	ESE	ESE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	
23	SSE	SSW	SE	SSW	SSE	SE	NNW	N	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
24	NW	SW	W	SSW	NNW	ENE	WNW	ESE	NE	SSE	SE	NW	WNW	W	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
25	NW	NW	E	N	SE	NNW	NNW	NE	SE	NW	NW	NW	SE	W	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
26	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW
27	NW	SE	NW	NW	NW	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	
28	E	ENE	NNE	NE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	
29	SE	SW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	
30	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
31	SE	SE	SE	ESE	SE	SE	SE	ESE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
PV	SE	SE	SE	(VA)	SE	SSE	NNW	(VA)	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	(VA)	SE	NW	

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 RONANZA, UTAH
 SITE 11
 FEB. 1960

AEROKIVIKUMMENT INC.

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 *
 * FINAL DATA
 * AS OF 31/MAR/61
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	185	245	215	330	155	110	145	305	290	325	340	355	315	320	325	310	175	175	335	35	125	145	30	15	
2	205	250	315	325	145	300	130	355	145	10	120	325	320	320	325	245	310	300	220	45	325	160	315	140	15
3	160	195	325	145	195	335	325	185	320	25	355	330	340	320	325	315	310	245	190	310	320	125	245	14	
4	330	60	330	355	35	140	10	315	90	210	95	330	330	315	305	300	240	265	150	40	290	310	175	165	15
5	225	135	125	200	115	205	355	65	155	125	340	325	315	320	335	325	310	325	300	145	0	110	270	180	15
6	160	205	125	335	345	275	150	135	345	310	315	325	320	315	315	315	300	310	310	125	385	145	145	15	
7	265	310	310	305	230	230	150	140	55	330	325	300	315	310	315	90	90	95	75	60	45	70	105	90	15
8	100	75	150	135	130	140	150	140	55	330	325	320	315	315	310	315	310	315	100	135	125	145	135	125	7
9	55	130	135	125	125	125	125	125	120	330	310	325	315	310	315	310	310	305	305	310	335	10	145	130	15
10	115	130	130	125	125	130	250	325	315	355	330	330	320	320	315	315	290	310	290	150	310	120	165	135	15
11	110	60	115	125	115	125	135	90	355	55	325	320	325	315	315	315	205	305	300	305	45	135	145	15	
12	125	135	120	125	130	135	145	95	115	20	325	330	315	325	310	315	305	165	310	145	15	355	60	7	
13	285	145	180	45	335	245	320	225	355	330	340	350	325	315	325	315	320	315	315	320	230	315	45	16	
14	330	285	290	220	140	225	145	150	315	320	330	350	315	305	320	275	320	315	225	165	310	330	320	315	15
15	150	310	340	315	340	345	165	70	335	355	350	350	325	320	325	315	315	295	295	5	260	290	240	145	16
16	150	275	280	130	305	160	135	300	310	305	150	355	345	320	295	335	320	325	325	325	325	330	330	15	
17	315	315	320	320	320	325	325	325	325	325	325	335	325	325	55	110	335	290	145	15	145	320	70	15	
18	160	185	170	175	185	200	325	30	125	170	190	305	305	300	295	195	150	140	160	265	225	195	170	145	9
19	165	230	275	180	165	160	125	80	135	135	215	190	200	180	175	180	175	195	150	140	310	240	320	325	8
20	125	155	155	175	165	165	220	265	200	175	190	165	145	215	190	265	320	310	220	155	185	205	210	190	9
21	240	310	180	315	155	180	175	105	125	180	190	185	140	180	165	190	320	305	285	320	330	315	190	145	9
22	145	325	130	290	300	175	160	185	290	290	310	310	320	300	310	315	305	320	320	140	155	155	260	275	14
23	140	165	295	190	160	180	160	195	315	5	315	310	320	325	320	330	340	120	75	115	145	170	180	170	(VAL)
24	160	155	150	195	165	195	145	130	110	315	355	340	325	325	325	325	330	310	315	330	175	155	130	150	(VAL)
25	130	125	125	130	140	130	125	130	125	335	335	330	315	310	325	315	315	320	290	200	70	170	115	145	7
26	125	125	130	120	140	130	150	145	60	335	330	330	310	315	320	315	320	310	300	290	225	345	145	130	15
27	30	125	125	135	160	150	140	85	125	335	330	340	305	305	310	315	310	305	295	140	50	150	130	130	7
28	120	120	120	135	150	165	250	155	150	340	325	330	315	320	325	40	315	285	170	320	310	175	195	15	
29	300	290	150	145	115	130	145	305	265	220	310	325	315	355	315	345	345	355	15	115	125	115	110	125	7
PV	7	7	7	7	7	8	8	7	7	16	16	16	15	15	15	15	15	14	14	15	15	6	7	7	15

WIND DIRECTION (CC:102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

LEVEL HEIGHT 10 METERS

FEB, 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA
* AS OF 31/MAR/81
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	S	WSW	SW	NNW	SSE	ESE	SE	NW	NNW	NW	NNW	N	NW	NW	NW	NW	NW	S	NNW	NE	SE	SE	NNE	NW	
2	SSW	WSW	NW	NW	SE	NNW	SE	N	SE	N	ESE	NW	NW	NW	NW	WSW	NW	NNW	S	NE	NW	SSE	NNE	NW	
3	SSE	SSW	NW	SE	SSE	NNW	NW	S	S	NW	NNE	N	NNW	NNW	NW	NW	NW	WSW	S	NW	NW	SSE	NNE	NW	
4	NW	ENE	NNW	N	NE	SE	N	NK	E	SSW	E	NNW	NNW	NNW	NW	NW	NW	W	SSE	NE	NW	S	WSW	NNW	
5	SW	SE	SE	SSW	ESE	SSW	N	ENE	SSE	SE	SE	NNW	NNW	NNW	NW	NW	NW	NW	NNW	SE	N	ESE	N	NW	
6	SSE	SSW	SE	NNW	NNW	W	SSE	SE	SE	SE	NNW	NW	NW	NW	NW	NW	NW	NNW	NNW	NW	SE	N	S	NW	
7	W	NW	NW	NW	NW	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	ENE	ENE	ENE	ESE	E	NW	
8	E	ENE	SSE	SE	SE	SE	SSE	SE	NE	NNW	NW	NW	NW	NW	NW	NW	NW	E	E	ENE	ENE	ESE	E	NW	
9	NE	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	E	SE	SE	SE	SE	SE	
10	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NW	NW	NW	NW	NW	NW	NW	NNW	SSE	NW	NW	SE	SE	SE	
11	ESE	ENE	ESE	SE	ESE	SE	SE	E	N	NE	NW	NW	NW	NW	NW	NW	NW	SSW	NW	NW	ENE	SE	SE	SE	
12	SE	SE	ESE	SE	SE	SE	SE	E	N	NE	NW	NW	NW	NW	NW	NW	NW	SSW	NW	NW	ENE	SE	SE	SE	
13	NNW	SE	S	NE	NNW	WSW	NW	SW	N	NNW	NNW	N	NW	NW	NW	NW	NW	SSW	NW	NW	NNE	N	SE	SE	
14	NNW	NNW	NNW	SW	SE	SW	SE	SSE	NW	NW	NNW	N	NW	NW	NW	NW	NW	NNW	NW	NW	NNE	N	SE	SE	
15	SSE	NW	NNW	NW	NNW	NNW	SSE	ENE	NNW	NW	NW	N	NW	NW	NW	NW	NW	NNW	NW	NW	NNE	N	SE	SE	
16	SSE	W	W	SE	NW	SSE	SE	NNW	NNW	N	N	N	NW	NW	NW	NW	NW	NNW	NW	NW	NNE	N	SE	SE	
17	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	NW	NW	NW	NNW	NW	NW	NNE	N	SE	SE	
18	SSE	S	S	S	S	SSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NNE	N	SE	SE	
19	SSE	SW	W	S	SSE	SSE	SE	E	SE	SE	SW	S	SSW	NW	NW	NW	NW	SSE	W	SW	SW	S	SE	SE	
20	SE	SSE	SSE	SSE	SSE	SSE	SW	W	SSW	SE	SE	S	S	S	S	S	S	SSW	SE	NW	WSW	NW	SSE	SE	
21	WSW	NW	S	NW	SSE	S	ESE	SE	SE	S	S	S	SSE	S	W	NW	NW	NW	SSE	S	SSW	SSW	S	S	
22	SE	NW	SE	NNW	NNW	S	SSE	W	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	SE	SE	S	
23	SE	SSE	NNW	S	SSE	S	SSE	NK	N	NW	NW	NW	NW	NW	NW	NW	NW	NNW	SE	SSE	SSE	SE	SE	S	
24	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	NW	N	NW	NW	NW	NW	NW	NW	NW	NNW	ESE	ENE	SE	S	S	(VA)	
25	SE	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	(VA)
26	SE	SE	SE	SE	SE	SE	SE	SE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
27	NNE	SE	SE	SE	SE	SE	SE	E	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	ESE	ESE	ESE	SE	SSE	WSW	SSE	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
29	NNW	NNW	SSE	SE	ESE	SE	SE	NW	W	SW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
PV	SE	SE	SE	SE	SSE	SSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

WIND DIRECTION (CC1021
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BOHANZA, UTAH
 SITE 11
 MAR, 1980
 AEROVIRONMENT INC.

 *
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	110	120	120	110	115	110	125	105	315	330	330	335	335	325	325	320	10	10	35	340	75	140	150	140	14
2	125	135	140	200	140	140	165	160	255	135	315	350	325	310	305	310	310	310	280	215	240	150	135	350	7
3	105	275	155	145	295	40	160	255	175	75	125	195	175	180	180	215	260	220	120	180	200	195	205	210	9
4	210	235	150	215	220	145	145	145	125	130	230	330	320	320	320	315	315	315	305	285	245	240	265	190	15
5	150	160	160	180	180	180	200	325	145	205	190	180	175	180	175	180	175	175	175	170	170	170	170	155	9
6	175	180	240	285	250	145	155	195	145	125	15	265	290	295	290	170	140	180	15	70	75	95	25	135	4
7	250	110	310	310	310	310	300	125	170	230	260	270	285	305	285	185	185	225	260	325	330	250	160	245	14
8	235	295	295	240	120	285	130	135	30	325	315	295	285	300	290	275	270	270	250	260	235	235	225	200	14
9	345	160	200	155	155	150	155	140	155	315	310	310	290	280	270	265	275	275	250	200	195	195	185	170	4
10	160	155	155	155	140	160	155	120	325	330	320	325	310	305	300	295	300	255	165	175	150	140	145	125	4
11	125	125	130	140	140	140	125	130	135	120	45	10	315	340	280	160	165	155	155	155	180	145	155	125	4
12	145	305	285	295	305	310	300	310	305	305	290	300	295	285	295	290	315	320	320	335	25	150	150	155	15
13	165	235	155	135	155	125	130	125	120	0	335	320	310	320	320	310	310	305	215	185	180	140	210	215	7
14	130	130	115	130	125	155	130	125	115	55	340	315	310	310	180	165	160	175	180	160	155	185	145	175	7
15	170	175	180	180	330	110	180	205	305	135	170	275	310	250	220	210	210	200	280	225	230	305	300	300	9
16	305	305	305	315	325	310	40	105	325	320	325	330	320	325	325	320	335	330	325	310	330	125	125	15	
17	130	125	125	155	160	160	160	335	335	320	300	305	155	160	180	190	240	150	155	155	140	135	155	145	14
18	145	115	125	125	115	110	155	290	305	305	305	300	325	310	315	330	320	295	115	125	125	135	140	160	14
19	150	130	130	120	120	125	110	125	90	290	290	300	295	295	315	305	315	315	310	335	0	40	95	120	15
20	130	135	160	345	115	145	145	140	105	340	315	290	265	315	320	290	165	160	170	155	165	160	155	170	4
21	155	250	245	155	175	175	145	125	160	160	175	165	170	165	145	230	310	325	325	85	155	150	150	155	4
22	145	135	75	125	275	315	140	285	305	300	0	105	105	90	100	105	105	100	110	100	350	95	85	100	4
23	145	125	160	210	145	125	135	140	130	115	40	40	300	295	330	300	245	330	75	155	275	295	305	145	7
24	130	140	115	55	45	125	105	100	100	125	145	155	170	165	165	150	145	150	145	270	330	335	330	330	7
25	330	330	325	330	330	330	330	330	330	330	330	330	330	325	305	240	305	330	10	145	275	285	215	150	16
26	130	180	255	205	165	150	70	350	335	340	310	290	340	250	225	260	195	135	145	140	145	145	150	155	4
27	160	150	120	110	120	140	140	140	35	320	325	335	270	285	290	305	290	290	285	275	255	280	275	285	14
28	140	75	310	300	280	215	115	295	275	315	345	345	345	345	340	345	345	25	45	10	45	120	60	140	16
29	160	75	310	295	305	200	130	105	350	330	305	320	320	305	280	40	105	130	130	140	150	145	140	120	7
30	150	150	145	155	160	150	175	305	100	110	175	265	300	290	305	295	130	150	155	160	160	20	210	130	4
31	145	130	135	150	130	155	135	130	30	295	255	190	355	250	220	235	175	40	155	140	100	150	155	155	4
PV	7	8	7	8	7	7	7	7	7	15	15	14	15	14	14	14	15	15	15	15	15	15	15	15	7

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BUNANZA, UTAH
SITE 11

LEVEL HEIGHT 10 METERS

MAR, 1980

AEROVIRONMENT INC.

.....
*
* FINAL DATA
* AS OF 31/MAR/81
*
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NNW	NNW	NNW	NNW	NW	NW	NW	N	N	NE	NNW	ENE	ESE	SSE	ESE	NNW	
2	SE	SE	SE	SE	SE	SSE	SSE	SSE	WSW	SE	ENE	SE	SSW	S	S	SW	NW	NW	W	WSW	WSW	SSE	SE	N	SE	
3	ESE	W	SSE	S	WNW	NE	SSE	WSW	S	ENE	SE	SSW	S	S	S	SW	W	SW	ESE	S	SSW	SSW	SSW	S	SW	
4	SSW	SW	SSE	SW	SW	SE	SE	SE	SE	SE	SW	NNW	NW	NW	NW	NW	NW	NW	NW	NNW	WSW	W	W	S	NNW	
5	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	ENE	E	NNE	SSE	S	ENE
6	WSW	W	WSW	WNW	WSW	SE	SSE	SSE	SE	SE	ENE	NNW	NNW	NNW	S	SE	S	S	ENE	ENE	NNW	WSW	SSE	WSW	NNW	
7	WSW	NNW	NNW	NNW	ENE	NNW	SE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	WSW	W	WSW	WSW	SSW	NNW	NNW	
8	SW	NNW	NNW	NNW	ENE	NNW	SE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	W	WSW	W	WSW	SSW	SSW	NNW	NNW	
9	NNW	SSE	SSW	SSE	SSE	SSE	SE	SSE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WSW	SSW	SSW	SSE	S	SSE	SSE	
10	SSE	SSE	SSE	SSE	SSE	SSE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WSW	SSE	SSE	SE	SE	SE	SSE	
11	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	S	S	SSE	SE	SSE	
12	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	NNW	NNW
13	SSE	SW	SSE	SE	SSE	SE	SE	ESE	ENE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	NNW	NNW
14	SE	SE	ESE	SE	SE	SSE	SE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	S	SSE	SSE	NNW	NNW
15	S	S	S	S	NNW	ESE	S	WSW	NNW	SE	S	W	NNW	NNW	NNW	NNW	NNW	NNW	S	SSE	SSE	S	SSE	SSE	NNW	NNW
16	NNW	NNW	NNW	NNW	NNW	NNW	NE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
17	SE	SE	SE	SSE	SSE	SSE	SSE	NNW	NNW	NNW	NNW	NNW	SSE	SSE	S	WSW	SSE	SSE	SSE	NNW	NNW	NNW	SE	SE	NNW	NNW
18	SE	ESE	SE	SE	ESE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ENE	SE	SE	NNW	NNW
19	SSE	SE	SE	ESE	ESE	ESE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
20	SE	SE	SSE	NNW	ESE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	NNW	NNW
21	SSE	WSW	WSW	SSE	S	S	SE	SE	SSE	SSE	S	SSE	S	S	SW	NNW	NNW	NNW	NNW	NNW	NNW	SSE	SSE	SSE	NNW	NNW
22	SE	SE	ENE	SE	W	NNW	SE	SE	NNW	NNW	N	ESE	ESE	E	ESE	ESE	E	E	ESE	E	N	E	E	E	NNW	NNW
23	SE	SE	ESE	ENE	E	SE	ESE	E	ENE	ENE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
24	SE	SE	ESE	ENE	E	SE	ESE	E	ENE	ENE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
25	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
26	SSE	S	WSW	SSW	SSE	FNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
27	SSE	SSE	ESE	ESE	SE	SE	ESE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	NNW	N	NNW	NNW	W	SW	ESE	NNW	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
29	SE	FNE	NNW	NNW	NNW	NNW	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
30	SSE	SSE	SE	SSE	SSE	FNE	NNW	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
31	SE	SE	SE	SSE	SSE	SE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
PV	SE	SSE	SE	SSE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

WIND DIRECTION ICCL021
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 APR, 1980
 AERONAVIGATION INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	155	150	135	215	275	65	35	65	80	70	100	85	350	65	340	55	35	330	45	80	100	90	80	95	4
2	115	15	295	325	310	275	305	270	280	300	305	305	310	315	310	315	345	335	330	355	45	155	135	135	15
3	125	135	145	125	130	135	135	135	135	125	125	60	210	160	140	140	115	195	255	35	150	150	140	155	7
4	145	165	125	280	130	140	125	45	330	315	320	320	280	290	355	175	150	165	165	140	155	155	160	150	8
5	135	125	115	130	220	140	305	125	85	140	165	250	240	220	245	235	245	245	300	295	145	155	175	160	7
6	290	270	260	260	275	180	190	245	245	290	305	305	280	295	290	290	295	305	305	295	250	160	160	275	14
7	295	300	330	310	275	305	310	315	315	290	300	305	305	310	315	310	310	305	310	310	315	320	70	155	15
8	150	135	125	140	140	130	300	345	330	330	320	330	305	305	295	310	310	255	50	110	135	135	145	135	141
9	160	130	120	115	120	120	125	100	320	310	315	330	315	255	210	255	235	265	200	175	170	180	175	260	9
10	255	145	250	270	285	275	290	310	310	315	305	310	315	315	315	310	315	315	305	305	330	90	120	75	14
11	100	130	105	280	330	60	0	125	355	95	95	55	355	355	45	30	45	40	0	10	55	55	25	85	141
12	305	355	50	150	125	95	115	330	5	0	50	75	10	340	25	0	55	35	35	25	25	50	20	0	1
13	25	355	175	330	355	170	110	350	295	310	305	315	300	310	295	325	285	120	85	95	150	150	135	130	15
14	130	130	125	135	130	135	130	110	0	340	330	340	330	315	310	305	320	320	30	95	155	160	155	150	7
15	125	130	130	120	130	125	115	125	35	320	320	315	315	310	290	270	305	315	310	305	295	285	280	300	15
16	155	115	120	120	135	125	130	120	330	30	40	325	270	315	300	300	270	325	50	145	160	145	130	125	77
17	110	145	125	135	125	130	120	105	65	335	310	310	310	315	240	295	305	345	345	75	115	130	150	145	7
18	130	115	125	130	125	125	125	120	5	340	330	325	325	325	320	295	280	225	205	210	170	155	150	160	7
19	135	140	130	125	120	135	125	110	355	315	310	310	315	310	310	285	235	255	245	180	155	145	160	155	7
20	195	105	110	140	130	150	105	90	305	315	70	305	270	175	225	215	200	220	175	140	150	150	145	150	7
21	155	150	150	150	155	155	155	155	165	165	145	150	130	290	175	55	65	175	225	265	295	45	125	195	8
22	295	125	130	265	250	135	125	115	315	305	310	310	300	25	15	35	90	95	105	120	45	40	90	95	5
23	110	115	125	145	155	150	330	300	310	325	305	240	270	300	300	305	310	320	350	155	225	170	140	15	
24	150	100	165	170	145	175	145	315	315	315	315	330	330	330	325	345	340	330	350	15	175	70	65	125	16
25	90	115	80	125	130	120	130	305	35	85	75	25	90	20	0	340	340	5	40	60	100	70	40	110	5
26	90	85	125	130	130	135	135	5	80	65	35	70	90	10	115	125	110	100	80	45	145	140	135	135	7
27	125	120	125	135	120	115	335	330	330	330	45	325	310	275	320	290	280	315	335	25	170	125	145	175	7
28	150	145	155	155	155	115	120	50	325	320	320	325	305	190	145	155	225	245	70	140	155	150	235	170	4
29	130	130	140	160	160	170	135	320	325	330	325	160	140	145	150	200	165	250	300	345	60	145	145	145	7
30	230	305	355	55	295	305	130	145	60	110	100	330	140	340	5	320	310	250	170	150	155	160	165	170	14
PV	7	7	7	7	7	7	7	6	15	15	15	15	15	15	15	15	15	15	15	5	8	4	4	4	7

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

LEVEL HEIGHT : 10 METERS

APR, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSE	SE	SW	W	ENE	NE	ENE	E	ENE	E	N	ENE	NW	NE	NE	NNW	NE	E	E	E	E	E	E	ENE
2	ESE	NNE	NW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
3	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	ENE	SSE	SE	SE	ESE	ESE	W	NE	NE	SE	SE	SE	SE	SE
4	S	SSE	SE	W	SE	SE	NE	NE	NW	NW	W	W	W	N	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	SE	SE	ESE	SE	SW	SE	E	E	E	E	SSE	WSW	WSW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
6	NNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
8	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
9	SSE	SE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
10	WSW	SE	WSW	W	NNW	W	NNW	W	NNW	W	NNW	W	NNW	W	NNW	W	NNW	W	NNW	W	NNW	W	NNW	W	W
11	E	SE	ESE	W	NNW	ENE	N	SE	N	E	E	NE	N	N	NE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE
12	NW	N	NE	SSE	SE	E	ESE	N	N	N	NE	ENE	N	N	NE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE
13	NNE	N	S	NNW	N	S	ESE	N	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
15	SE	SE	SE	ESE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
16	SSE	ESE	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
17	ESE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
18	SE	SE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
19	SE	SE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
20	SSE	ESE	ESE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
22	NNW	SE	SE	W	WSW	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
24	SSE	E	SSE	S	SE	S	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
25	E	ESE	E	SE	ESE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
26	E	E	SE	SE	SE	SE	N	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
27	SE	ESE	SE	SE	ESE	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	SSE	SE	SSE	SSE	ESE	ESE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
29	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
30	SW	NNW	N	NE	NNW	NNW	SE	ESE	E	ESE	E	NNW	SE	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
PV	SE	SE	SE	SE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

WIND DIRECTION (CC102)

DEGREES

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

MAY, 1980

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	155	145	125	130	150	145	25	70	105	65	95	110	125	60	160	265	305	205	245	340	165	165	160	160	140	7
2	145	150	130	130	145	170	105	345	340	325	335	315	140	155	150	175	205	195	160	165	155	160	165	165	165	7
3	155	150	145	125	120	125	130	125	10	310	320	340	330	300	310	290	50	125	170	150	155	150	130	120	7	
4	245	160	190	170	115	110	125	110	55	310	310	330	330	320	330	340	335	120	125	140	170	340	110	150	16	
5	145	25	265	135	140	120	135	115	110	340	330	285	275	305	325	50	75	125	155	150	150	135	135	145	7	
6	135	140	160	140	140	125	125	120	125	115	10	330	320	255	165	140	150	140	145	140	135	165	160	120	7	
7	160	145	175	145	150	115	135	160	315	325	280	165	160	150	130	130	130	320	265	335	110	105	135	145	7	
8	145	140	150	135	160	180	130	125	165	190	200	170	75	130	320	305	285	220	145	180	170	170	145	115	(VA)	
9	175	195	130	200	190	115	325	65	170	200	175	160	165	160	185	255	330	25	325	25	5	290	290	140	9	
10	160	115	130	175	260	315	115	335	325	170	190	190	170	160	165	165	170	185	300	305	295	140	140	150	7	
11	100	165	305	240	300	305	255	245	30	10	320	220	180	140	125	210	145	305	30	125	145	165	295	40	7	
12	155	155	170	175	170	230	150	170	185	225	170	180	210	200	265	235	10	5	100	135	150	130	140	130	4	
13	140	125	145	145	120	140	245	120	320	310	335	325	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
PV	8	7	7	7	7	6	7	6	15	15	16	(VA)	15	8	6	(VA)	16	7	8	8	8	8	7	7	7	14

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 11

LEVEL HEIGHT 1 (0 METERS)

MAY, 1980

AEROV(RONNEMENT INC.)

.....
* F (HAL DATA *
* AS OF 31/MAR/80 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PHV
1	SSE	SE	SE	SE	SSE	SE	ESE	ESE	ESE	NW	NW	SE	SE	E	S	WNW	NW	SSV	WSW	NNW	SSE	SSE	SSE	S	SE
2	SE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	NW	NW	NW	NW	SE	SE	WNW	SE	SSV	SSE	SSE	SSE	SSE	SSE	S	SE
3	SSE	SSE	SE	SE	ESE	SE	SE	SE	SE	NW	NW	NW	NW	SE	SE	WNW	SE	SSV	SSE	SSE	SSE	SSE	SSE	S	SE
4	WSW	SSE	S	S	ESE	ESE	ESE	ESE	NE	NW	NW	NW	NW	NW	NW	NW	ENE	ESE	SE	SE	S	NNW	ESE	SSE	NNW
5	SE	NNE	W	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	SE	SE	ENE	SE	SE	SE	SE	SSE	SE	SE	SE	SE
6	SE	SE	SSE	SE	SE	SE	SE	SE	ESE	NW	NW	NW	NW	SE	SE	ENE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE
7	SSE	SE	S	SE	SSE	ESE	SE	SSE	NW	NW	W	SSE	SE	SE	SE	ENE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE
8	SE	SE	SSE	SE	SSE	SE	SE	SE	SE	S	SSW	S	ENE	SE	SE	ENE	SE	SW	SW	S	S	S	S	S	SE
9	S	SSW	SE	SSW	S	ESE	NW	ENE	S	SSW	S	SSE	SSE	SSE	S	WSW	NNW	NNE	NW	NNE	N	NNW	N	N	SE
10	SSE	ERE	SE	S	W	NW	ESE	NNW	NW	S	S	S	S	SSE	SSE	SSE	SE	N	NNE	SE	SE	SE	SE	SE	SE
11	E	SSE	NW	WSW	NNW	NW	WSW	W	NNE	N	NW	SW	S	SE	SE	SSW	SE	N	NNE	SE	SE	SE	SE	SE	SE
12	SSE	SSE	S	S	S	SW	SSE	S	S	SW	S	S	SSW	W	SW	W	N	N	E	SE	SE	SE	SE	SE	SE
13	SE	SE	SE	SE	SE	SE	SE	FSE	NW	NW	NNW	NW	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
PV	SSE	SE	SE	SE	SE	FSE	SE	ESE	NW	NW	NNW	(VAL)	NW	SSE	(VAL)	NNW	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 11
 JUN, 1960
 AEROVIRONMENT INC.

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 * FINAL DATA *
 * AS OF 31/MAR/61 *
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 *.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	115	130	130	125	145	125	140	110	340	320	320	145	140	155	225	65	225	70	165	135	145	135	125	140	7
2	155	150	135	105	120	110	320	250	165	170	165	160	175	165	180	160	175	170	165	160	155	145	145	145	A
3	150	150	160	145	155	130	130	155	170	165	155	175	150	175	180	175	160	170	175	170	200	175	150	150	A
4	155	150	170	160	155	155	150	190	175	170	175	165	165	180	210	210	210	220	180	175	170	165	175	170	9
5	165	255	135	130	125	130	125	110	0	0	165	195	165	195	195	225	200	190	180	170	165	170	180	235	9
6	220	220	130	160	175	175	205	240	245	240	255	260	250	250	220	230	265	315	315	320	330	305	355	130	12
7	130	135	120	125	150	125	335	325	325	330	330	350	345	305	315	310	325	345	350	25	130	140	165	130	16
8	130	160	115	110	115	120	115	340	330	330	335	345	305	315	315	310	325	320	350	25	130	145	135	125	16
9	110	105	115	130	145	135	140	335	315	315	335	345	305	310	315	15	35	5	45	145	160	155	160	7	
10	145	255	130	125	120	125	120	100	350	320	325	325	180	175	165	170	145	175	200	185	145	175	170	165	9
11	140	160	295	210	145	90	120	35	345	195	175	180	180	170	180	235	245	215	185	160	155	170	175	180	9
12	175	205	215	210	175	110	160	220	220	210	250	205	195	190	185	190	180	180	185	165	175	240	105	135	10
13	120	155	170	160	145	150	120	340	330	185	165	160	170	165	170	195	180	175	200	185	180	185	175	150	9
14	155	155	135	145	145	150	140	275	245	230	270	235	230	225	245	220	220	260	300	315	320	315	305	290	11
15	250	100	110	130	125	135	130	120	15	285	335	315	305	315	315	325	315	315	330	320	310	305	320	130	15
16	145	150	280	135	135	115	355	330	325	10	335	330	335	320	295	310	315	345	345	60	135	145	125	125	16
17	120	155	130	125	115	125	115	345	330	350	340	320	315	320	330	335	325	345	290	265	125	150	150	145	(VAL)
18	155	120	130	130	120	115	115	345	330	335	325	315	335	310	310	185	260	295	290	280	295	310	140	125	15
19	150	140	155	135	140	155	150	120	345	305	115	305	210	155	170	215	285	295	290	80	160	165	135	165	7
20	130	130	130	150	170	125	85	325	5	320	340	340	205	200	165	155	155	170	155	170	155	165	140	145	A
21	255	190	110	135	155	130	135	50	345	340	295	220	175	245	240	265	270	290	210	200	190	165	125	135	7
22	150	200	120	205	125	135	125	330	345	325	335	330	325	190	170	230	190	215	195	175	160	155	155	165	8
23	180	160	155	150	155	155	145	155	180	170	170	170	190	200	190	205	205	175	170	170	160	255	220	120	9
24	150	145	140	140	135	130	125	335	330	335	295	175	170	195	175	225	195	250	220	180	185	160	175	170	9
25	150	165	205	165	130	125	80	10	340	190	180	165	160	170	185	165	175	185	180	190	210	170	145	155	9
26	155	155	155	205	60	140	135	115	175	185	175	205	185	220	225	215	220	220	190	170	165	175	185	225	9
27	305	305	295	295	265	265	300	320	325	300	315	320	315	305	315	315	315	310	315	310	295	325	15	290	15
28	170	145	125	125	130	115	325	320	290	350	320	305	295	325	340	330	340	330	10	135	140	145	145	120	7
29	130	130	15	150	140	150	150	140	325	320	320	325	315	325	315	285	295	315	310	170	250	180	160	140	15
30	150	195	295	335	250	150	320	310	170	290	315	320	340	320	315	320	315	320	325	310	310	150	240	125	15
PV	8	8	7	7	7	7	7	16	16	15	16	15	9	9	9	(VAL)	9	15	9	9	A	A	7	A	9

WIND DIRECTION (CC10P)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #159

BONANZA, UTAH

SITE 11

JUN, 1980

AEROSOL INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	ESE	SE	SE	SE	SE	SE	ESE	NNW	NW	NW	S	S	SSE	SW	ESE	SW	ESE	SSE	SSE	SE	SE	SE	SE	SE	SE
2	SSE	SSE	SE	ESE	ESE	SE	SE	SSE	S	S	S	S	SSE	S	SSE	S	SSE	S	SSE	SSE	SE	SE	SE	SE	SE
3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
4	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
6	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
8	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
9	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
12	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
13	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
15	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
16	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
17	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
20	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
21	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
22	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
26	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
27	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
28	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
29	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
30	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
PV	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE

WIND DIRECTION (CC)021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 11
 JUL, 1980
 AEROSURVEILLANCE INC.

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 * FINAL DATA
 * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	90	105	135	115	300	100	200	320	325	320	320	15	95	345	305	310	310	155	150	150	185	170	175	150	15
2	150	160	185	310	150	255	255	170	165	50	120	110	150	150	125	335	325	125	150	155	155	160	165	160	A
3	145	150	135	155	335	130	120	90	325	330	335	330	305	330	305	190	195	215	245	200	245	355	115	130	16
4	140	105	90	100	70	95	125	125	305	310	320	320	315	310	335	315	320	240	255	215	155	155	145	140	15
5	145	135	275	125	115	125	125	0	330	325	320	320	245	230	270	265	280	270	200	160	170	180	240	13	
6	180	140	135	160	140	125	115	95	325	330	335	325	320	310	280	265	220	205	190	170	200	150	165	140	7
7	145	120	135	140	130	125	125	120	285	300	335	160	170	170	155	165	165	165	150	140	140	165	150	155	A
8	150	145	155	160	175	140	95	215	260	250	290	310	235	205	240	260	280	315	295	130	140	155	165	90	A
9	125	130	135	145	130	120	95	320	310	310	305	320	305	315	300	255	90	15	335	305	145	160	190	255	15
10	140	120	135	110	170	115	120	80	330	330	310	300	290	245	185	220	250	240	190	115	130	125	130	150	6
11	280	145	115	115	140	125	110	355	340	330	315	320	325	30	145	150	145	135	140	125	130	160	145	150	7
12	155	180	285	145	135	145	145	145	145	270	280	255	160	155	160	175	310	310	325	175	150	145	195	295	A
13	30	270	180	130	160	175	130	140	170	165	140	325	240	275	295	150	140	320	70	125	140	140	145	115	7
14	130	140	285	145	150	145	150	190	265	310	280	230	205	235	245	270	260	265	230	190	175	245	240	245	13
15	180	185	180	175	150	115	105	285	300	325	305	310	325	300	310	310	315	320	320	320	305	245	240	115	14
16	130	140	130	125	120	125	95	350	335	325	310	315	305	295	330	300	315	355	325	110	145	140	165	190	(VAL)
17	150	135	155	115	125	125	120	35	340	320	315	305	320	300	260	245	290	300	300	320	310	260	130	135	15
18	130	20	80	115	90	130	20	315	335	330	315	330	320	315	290	265	270	255	220	180	150	155	240	215	15
19	195	215	270	110	140	185	170	310	315	325	310	300	275	255	255	265	315	315	320	320	310	295	240	155	15
20	115	120	265	110	120	120	45	315	320	315	335	290	295	310	320	320	320	340	340	10	100	290	325	105	15
21	125	120	115	125	190	130	310	310	310	310	315	310	325	305	325	310	315	320	305	245	200	130	120	150	15
22	155	150	150	150	115	135	120	15	335	330	310	300	300	300	305	320	320	310	275	235	180	165	165	155	15
23	155	140	245	125	120	115	135	80	295	270	245	320	310	155	220	265	250	190	170	165	185	145	160	175	15
24	125	150	135	140	155	130	115	50	335	310	315	325	320	320	310	350	100	110	115	105	130	140	165	7	7
25	195	120	145	130	140	125	140	150	335	320	315	315	305	305	260	255	240	145	160	145	130	140	165	7	7
26	140	105	130	160	150	125	125	335	355	330	330	315	310	300	310	310	350	60	120	150	160	140	165	165	A
27	140	120	115	125	120	120	110	110	345	95	100	325	320	275	345	0	295	335	350	30	95	120	135	130	6
28	120	135	125	120	120	140	325	320	325	320	335	325	325	320	305	335	315	335	350	245	140	165	165	170	15
29	250	150	135	105	125	150	155	295	325	335	330	315	265	150	350	70	295	295	310	215	290	140	145	14	14
30	200	220	140	140	165	170	135	105	5	345	340	320	305	310	305	325	315	320	205	160	95	130	120	120	(VAL)
31	120	130	145	130	130	130	130	115	5	5	0	40	65	125	35	355	315	325	315	320	305	290	160	160	7
PV	7	7	7	7	7	6	6	6	15	15	15	15	14	15	15	15	15	15	15	9	4	4	4	7	7

WIND DIRECTION (CC10?)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH

SITE 11

JUL, 1960

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	ESE	SE	ESE	WNW	E	SSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	S	S	SSE	NW	NW	
2	SSE	SSE	SE	SSE	WNW	E	SSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
3	SE	SSE	SE	SSE	WNW	E	SSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
4	SE	ESE	E	ESE	E	E	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
5	SE	SE	SE	ESE	SE	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
6	S	SE	SE	ESE	SE	SE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
7	SE	ESE	SE	SE	SE	SE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
8	SSE	SE	SSE	SSE	S	SE	E	SW	W	WSW	WNW	NW	SW	SSW	WSW	W	W	WSW	SSE	SSE	SSE	SSE	SSE	SSE	
9	SE	SE	SE	SE	SE	ESE	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
10	SE	ESE	SE	ESE	S	ESE	ESE	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
11	W	SE	ESE	ESE	SE	SE	ESE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
12	SSE	S	WNW	SE	SE	SE	SE	SE	W	WSW	SSE	SSE	SSE	S	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
13	NNE	W	S	SSE	S	SE	SE	SE	W	WSW	SSE	SSE	SSE	W	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
14	SE	SE	WNW	SE	SSE	SE	SSE	S	W	WSW	SSE	SSE	SSE	W	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
15	S	S	S	SSE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
16	SE	SE	SE	SE	ESE	SE	E	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
17	SSE	SE	SSE	ESE	SE	ESE	ESE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
18	SE	NNE	E	ESE	E	SE	NNE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
19	SSW	SW	W	ESE	SE	S	S	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
20	ESE	ESE	W	ESE	ESE	ESE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
21	SE	ESE	ESE	SE	S	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
22	SSE	SSE	SE	SSE	SE	ESE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
23	SSE	SE	SSW	SE	ESE	ESE	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
24	SE	SSE	SE	SE	SSE	SE	ESE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
25	SSW	ESE	SE	SE	SE	SE	ESE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
26	SE	ESE	SE	SSE	SSE	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
27	SE	ESE	ESE	SE	ESE	ESE	ESE	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
28	ESE	SE	SE	SE	ESE	SE	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
29	WNW	SSE	SE	ESE	SE	SSE	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
30	SSW	SW	SE	SSE	S	SE	ESE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	
31	ESE	SE	SE	SE	SE	SE	ESE	N	N	N	N	N	N	N	N	N	N	N	SSE	SSE	SSE	SSE	SSE	SSE	
PV	SE	SE	SE	SE	SE	ESE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SSE	SSE	

WIND DIRECTION (CC102)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #119
HONANZA, UTAH
SITE 11

AUG, 1980

AEROVIRONMENT (MC)

.....
* F I N A L O A T A *
* A S O F 3 1 / M A R / 8 1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	ESE	SSW	ESE	SE	SSE	SE	SSE	SE	SSE	NNE	NNW	NW	NW	NW	WNW	SSW	WSW	SSW	SSW	ESF	SE	SE	SE	SF	SF	
2	SE	SE	SE	SE	ESE	SE	ESE	ESE	W	NW	NW	NW	NW	NW	WNW	SSW	WSW	SSW	SSW	NW	WNW	W	FSF	FSF	WJY	
3	W	E	SE	SE	SE	W	ESE	ESE	NNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	WSW	SSW	SSW	NW	WNW	S	SE	SE	WJY	
4	W	E	SE	SE	SE	W	ESE	ESE	NNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	WSW	SSW	SSW	NW	WNW	S	SE	SE	WJY	
5	SE	ESE	SE	SE	SE	W	ESE	ESE	NNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	WSW	SSW	SSW	NW	WNW	S	SE	SE	WJY	
6	WJY	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	WJY	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
8	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
9	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	SE	ESE	SE	SE	ESE	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
12	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
13	S	SE	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
14	SSE	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	W	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
16	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
17	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
18	SSE	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
19	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	SSE	ESE	SE	SE	ESE	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
24	SJY	NW	SE	SSW	S	SE	ESE	ESE	SSW	WSW	W	NW	NW	SSW	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	WNW	SE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
26	W	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
28	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
29	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
30	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
31	SE	SE	SE	SE	ESE	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PV	SSE	SE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SSE	SE	SE

WIND DIRECTION (CC:02)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANZA, UTAH
 SITE 11
 SEP, 1980
 AERONAVIGATION INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	100	105	115	140	110	120	115	25	335	330	335	315	320	340	325	320	305	70	115	150	145	160	130	145	A
2	150	125	130	125	125	120	115	110	345	340	320	315	315	250	265	230	255	225	180	170	180	185	280	170	7
3	175	190	280	300	140	205	130	235	315	325	310	325	315	310	300	310	310	315	310	280	310	125	140	125	15
4	125	145	135	120	130	130	120	350	340	345	315	325	305	320	310	310	320	315	125	130	155	125	130	270	7
5	120	145	115	130	135	125	125	90	350	335	355	335	315	315	310	315	320	320	350	105	155	155	160	165	7
6	170	180	205	170	150	145	155	155	160	255	270	325	215	145	275	315	310	330	305	195	160	160	155	155	A
7	195	170	120	350	140	195	235	315	320	315	335	125	145	325	310	310	155	165	150	140	155	145	140	275	7
8	290	160	150	145	135	130	285	305	310	305	295	270	130	105	160	240	305	0	10	275	300	130	115	145	7
9	130	140	145	125	115	135	135	135	125	110	115	100	65	30	15	35	330	310	310	310	320	315	315	320	7
10	305	340	350	335	340	290	120	120	340	350	320	250	300	150	140	135	125	165	185	210	185	135	215	250	(VA)
11	185	190	145	125	155	165	140	245	210	240	250	245	260	260	250	250	295	295	260	265	230	195	180	12	
12	170	190	200	175	240	140	130	155	295	320	290	325	330	320	310	240	135	150	165	125	155	160	190	170	8
13	140	155	125	260	150	140	135	350	345	355	320	175	170	170	180	195	195	180	190	180	165	155	160	155	A
14	155	100	135	150	145	145	135	125	150	160	180	295	315	315	315	320	310	325	215	160	165	125	150	155	A
15	150	130	115	120	130	120	120	90	100	335	320	330	315	300	280	245	235	240	220	205	210	195	190	255	A
16	200	250	270	95	195	215	240	350	340	320	315	300	295	285	285	295	300	315	310	295	300	275	225	195	14
17	115	130	145	150	160	170	150	135	5	285	305	285	290	290	300	290	310	305	295	265	125	150	145	150	14
18	135	120	135	130	135	145	125	110	330	320	335	325	315	195	180	185	180	175	180	175	170	185	180	175	9
19	165	175	170	175	180	180	175	175	200	245	240	275	240	245	265	310	320	315	295	320	345	320	300	150	9
20	155	325	115	145	145	150	145	115	0	315	315	320	310	320	305	305	110	255	250	190	165	155	145	155	A
21	180	135	190	310	150	275	145	175	325	315	320	330	315	310	310	315	315	310	320	315	305	170	120	85	15
22	110	80	105	120	75	315	290	320	325	0	325	330	310	315	310	310	310	5	65	125	180	135	150	125	15
23	125	125	130	125	125	120	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
25	130	115	110	105	130	120	325	280	305	325	315	315	320	305	310	320	315	310	10	155	125	135	140	115	15
26	355	355	350	350	345	345	335	335	305	190	175	175	305	320	315	300	335	20	110	135	155	165	150	130	(VA)
27	130	125	155	135	125	135	125	120	35	330	320	315	310	305	320	320	325	0	100	135	160	155	130	140	7
28	135	130	120	130	125	130	125	130	105	330	325	335	315	310	325	285	255	260	220	180	185	230	210	295	7
29	125	125	130	125	135	130	130	120	115	355	315	330	315	320	315	340	345	325	125	145	135	135	130	130	7
30	130	135	125	130	140	135	135	150	135	350	325	345	310	325	315	335	350	315	20	180	140	125	130	135	7

WIND DIRECTION (CC1021)

WHITE RIVER SHALE PROJECT, #119

ROMANZA, UTAH

SITE 11

LEVEL HEIGHT : 10 METERS

SEP, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/AI *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	ESE	ESE	SE	ESE	ESE	ESE	ESE	NNE	NNW	NW	NW	NW	NW	NW	NW	NW	ENE	ESE	SSE	S	SSE	SE	SE	ESE
2	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	SW	ENE	SSE	S	SSE	SE	SE	ESE
3	S	S	W	NW	SE	SSW	SE	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SW	NW	W	SE	SE	SE	SE	NW
4	SE	SE	SE	ESE	SE	SE	ESE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	W
5	ESE	SE	SE	SE	SE	SE	SE	E	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	ESE	SSE	SSE	SSE	SSE	SE
6	S	S	SSW	SSE	SE	SE	SSE	SSE	WSW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	SSE	SSE	SSE	SSE	SSW
7	SSW	S	ESE	N	SE	SSW	SW	NW	NW	NW	SE	SE	SW	SE	W	NW	NW	NW	NW	NW	SSE	SSE	SSE	SSE	SE
8	NW	SSE	SSE	SE	SE	SE	W	SE	SE	SE	SE	ESE	ESE	ESE	WSW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE
9	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	E	E	E	E	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE
10	NW	NW	N	NW	NW	NW	ESE	ESE	NW	NW	NW	WSW	W	WSW	WSW	WSW	WSW	NW	NW	NW	NW	NW	NW	NW	SE
11	S	S	SE	SE	SSE	SSE	SE	WSW	WSW	SSW	SSW	WSW	W	WSW	WSW	WSW	WSW	NW	NW	NW	NW	NW	NW	NW	(VA)
12	S	S	SSW	S	WSW	SE	SE	SSE	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE	WSW
13	SE	SSE	SE	W	SSE	SE	SE	N	NNW	N	NW	S	S	S	S	S	SE	SE	SE	S	SSE	SSE	SSE	SSE	S
14	SSE	E	SE	SSE	SE	SE	SE	SE	SSE	SSE	S	W	NW	NW	NW	NW	NW	NW	SW	SSE	SSE	SSE	SSE	SSE	SSW
15	SSE	SE	ESE	SE	ESE	ESE	E	E	NW	NW	NW	NW	NW	NW	NW	NW	NW	SW	SW	SSE	SSW	SSW	S	SSW	ESE
16	SSW	WSW	W	E	SSW	SSW	SSW	SSW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
17	ESE	SE	SE	SSE	S	SSE	SE	SE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	SSE	SE	SE	NW
18	SE	ESE	SE	SE	SE	SE	SE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SE	SSE	SE	SE	W
19	SSE	S	S	S	S	S	S	S	SSW	WSW	NW	WSW	W	WSW	WSW	WSW	WSW	NW	NW	NW	NW	NW	NW	NW	S
20	SSE	NW	ESE	SE	SE	SSE	SE	ESE	N	NW	NW	NW	NW	NW	NW	NW	NW	ESE	WSW	SSW	S	SSE	SE	SE	SSE
21	S	SE	S	NW	SSE	W	RE	S	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
22	ESE	E	ESE	ESE	ENE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	ENE	SE	SE	SE	SE	SE	NW
23	SE	SE	SE	SE	ESE	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SE
25	SE	ESE	ESE	ESE	SE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
26	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	(VA)
27	SE	SE	SSE	SE	SE	SE	SE	ESE	ENE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
28	SE	SE	ESE	SE	SE	SE	SE	ESE	ENE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
29	SE	SE	SE	SE	SE	SE	SE	ESE	ENE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
30	SE	SE	SE	SE	SE	SE	SE	ESE	ENE	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
PV	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	(VA)	SSE	SSE	SSE	SSE	SE

WIND DIRECTION (CC#021)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 OCT. 1960
 AEROENVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/61
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	150	145	140	135	95	45	45	345	240	240	200	280	300	335	300	305	20	60	120	45	20	295	10	345	1VA1	
2	120	110	125	105	125	130	130	125	115	110	100	85	15	335	265	260	105	110	140	140	155	125	140	140	6	
3	130	130	130	140	145	140	135	130	45	330	335	320	300	330	300	315	310	105	140	135	140	140	140	130	7	
4	130	130	125	125	125	135	140	115	340	330	320	315	325	325	315	335	330	145	145	145	155	140	135	130	7	
5	120	145	145	150	125	110	130	125	110	325	320	315	310	305	300	305	325	315	310	140	135	125	135	140	7	
6	130	145	120	115	120	140	150	155	125	335	335	335	315	315	320	305	310	295	270	140	140	145	155	155	7	
7	135	135	135	125	125	130	125	120	70	320	310	320	315	300	330	340	325	300	105	120	135	140	130	145	7	
8	130	130	135	130	135	135	145	135	135	345	330	330	330	315	350	110	130	50	130	140	150	140	145	7	7	
9	130	130	125	125	130	135	135	125	345	325	325	325	315	315	335	335	320	300	35	125	145	130	135	125	7	
10	120	135	110	125	125	125	130	125	110	345	90	40	330	320	340	325	330	295	320	90	105	115	115	120	6	
11	125	130	130	135	140	130	135	355	330	320	325	325	315	315	275	30	65	190	195	190	180	190	250	195	7	
12	245	270	305	10	90	335	330	180	320	315	305	290	315	280	150	125	145	155	175	200	285	285	160	125	15	
13	140	245	305	110	145	30	120	10	335	330	330	330	325	130	150	150	165	170	275	315	245	175	175	140	7	
14	145	125	130	130	240	40	145	205	35	335	105	340	115	100	90	355	150	150	155	305	90	350	140	135	7	
15	135	150	150	145	150	200	175	135	150	165	165	160	165	175	175	165	140	155	125	130	70	25	310	320	6	
16	310	320	305	290	285	305	10	90	95	105	105	100	25	345	330	320	185	290	240	275	290	245	300	300	15	
17	315	355	145	165	170	185	210	205	220	315	295	290	290	300	290	275	245	305	310	295	280	245	150	145	14	
18	150	165	165	160	160	160	165	165	160	165	320	290	320	320	290	95	150	255	115	165	170	150	140	145	6	
19	150	135	125	130	135	140	140	130	85	325	330	315	320	305	330	325	315	310	275	125	135	135	145	130	27	
20	125	135	140	130	130	130	135	140	340	340	325	315	300	305	310	310	310	325	105	155	150	145	160	155	7	
21	130	125	130	125	135	155	125	130	85	355	315	320	305	320	305	260	155	35	160	155	160	170	145	140	6	
22	165	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	6
23	90	225	135	115	95	115	120	100	105	90	65	10	315	290	260	250	295	110	135	130	115	130	140	120	6	
24	105	120	125	125	115	130	130	120	90	325	315	305	300	315	305	290	290	245	245	140	145	125	120	120	6	
25	115	110	110	125	115	115	110	115	95	305	310	305	300	300	300	270	95	25	120	115	120	170	125	120	6	
26	120	125	125	120	95	130	215	125	290	290	300	295	285	300	305	15	135	110	125	240	295	290	290	140	1VA1	
27	145	115	120	130	135	185	15	145	10	65	95	75	80	55	75	65	75	65	60	55	25	15	30	45	4	
28	100	120	110	305	290	345	315	245	90	320	320	0	100	30	295	120	110	135	140	125	130	130	125	135	7	
29	120	110	115	115	125	125	125	125	45	215	320	305	315	305	305	315	295	285	270	80	140	115	115	115	6	
30	110	120	115	125	130	115	135	110	95	315	325	305	325	310	140	320	310	275	255	140	110	105	105	125	6	
31	130	125	120	125	115	135	120	125	105	245	315	310	305	300	305	300	240	250	245	110	115	140	120	115	6	
PV	7	7	7	7	6	7	7	7	5	15	15	15	15	15	15	15	15	14	7	7	7	7	7	7	7	

WIND DIRECTION (CC#02)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

RONANZA, UTAH

SITE 11

OCT, 1980

AEROSOL ENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SE	SE	E	NE	NE	NNW	WSW	SSW	W	W	WNW	WNW	WNW	NW	ENE	ENE	FSE	NE	ENE	W	W	W	W
2	ESE	SE	SE	ESE	SE	SE	SE	SE	ESE	ESE	E	E	E	ENE	W	W	ESE	ESE	ESE	SE	SE	SE	SE	SE	ESE
3	SE	SE	SE	SE	SE	SE	SE	SE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	ESE	SE	SE	SE	SE	SE	SE	SE
4	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SE	SE	SE	SE	SE	SE	SE
5	ESE	SE	SE	SE	ESE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
6	N/E	SE	SE	ESE	ESE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
7	SE	SE	SE	SE	SE	SE	SE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
8	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
9	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
10	ESE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
11	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
12	WSW	N	N	N	E	NNW	NNW	S	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
13	SE	NNW	NNW	ESE	SE	NNW	ESE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
15	SE	SSE	SSE	SE	SSE	SSE	S	SE	SE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E
16	NNW	NNW	NNW	NNW	NNW	NNW	N	E	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
17	NNW	N	SE	SSE	S	SSE	SSE	S	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
18	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
19	SSE	SE	SE	SE	SE	SE	SE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
20	SE	SE	SE	SE	SE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
21	SE	SE	SE	SE	SE	SE	SE	SE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
22	SSE	SSE	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	E	SW	SE	FSE	E	FSE	ESE	E	ESE	E	FNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
24	ESE	ESE	SE	SE	ESE	SE	ESE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
25	ESE	ESE	ESE	SE	ESE	FSE	ESE	E	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
26	ESE	SE	SE	ESE	E	SE	SW	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
27	SE	ESE	ESE	SE	SE	S	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
28	ESE	ESE	ESE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
29	ESE	ESE	ESE	SE	SE	FSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
30	ESE	ESE	ESE	SE	SE	FSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
31	SE	SE	SE	ESE	SE	FSE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
PV	SE	SE	SE	SE	FSE	SE	SE	SE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

WIND DIRECTION JCC1021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 NOV, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	120	120	130	120	115	115	135	135	310	310	350	310	295	190	245	295	205	135	125	210	140	150	120	7	
2	115	120	120	120	120	135	230	35	295	330	325	325	0	305	310	305	260	175	130	125	135	125	140	7	
3	125	125	125	130	120	145	120	120	350	320	45	325	325	310	310	310	45	100	130	120	150	160	120	7	
4	140	120	125	135	130	125	130	120	105	310	300	305	295	310	300	70	125	130	285	145	150	130	120	7	
5	105	110	110	115	105	120	110	100	305	305	315	305	315	300	285	270	250	150	100	100	115	115	6		
6	130	125	135	110	130	115	110	115	255	315	330	355	350	135	310	275	215	160	165	205	190	170	140	6	
7	275	295	105	75	50	130	100	320	300	310	305	330	310	265	240	245	225	175	160	160	170	210	245	15	
8	300	300	305	305	310	295	215	165	120	125	145	145	120	120	130	120	125	110	110	140	140	155	320	7	
9	180	175	165	120	120	205	210	175	200	185	150	325	285	210	120	115	95	155	170	100	100	320	315	7	
10	305	310	310	240	130	230	175	145	130	120	125	125	140	135	210	120	125	120	115	245	115	35	310	7	
11	140	185	190	140	290	160	165	170	170	255	235	260	255	155	135	160	150	170	150	150	175	175	170	6	
12	180	200	230	155	170	305	310	100	155	150	285	340	100	105	185	115	100	105	110	100	105	110	105	6	
13	105	105	90	95	105	100	100	100	105	110	100	105	120	130	125	120	125	115	110	105	110	105	55	6	
14	25	35	355	100	90	25	65	105	125	135	125	135	120	130	125	120	125	120	130	125	175	285	310	330	6
15	310	335	40	65	85	100	55	70	60	115	110	110	105	115	135	120	135	100	125	125	120	115	95	140	6
16	130	130	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7
22	155	165	160	150	165	160	265	305	175	105	100	325	325	320	260	160	130	150	140	135	155	320	135	130	6
23	120	115	135	125	120	135	155	125	130	325	320	325	315	335	325	335	275	160	200	145	355	295	340	7	
24	335	310	300	30	330	290	295	305	300	305	300	310	330	55	220	285	110	110	110	110	110	110	110	110	15
25	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	15
26	190	105	135	140	130	135	125	130	350	310	290	315	315	320	305	260	125	130	210	265	180	135	145	145	14
27	145	125	125	120	130	130	135	120	45	45	330	25	335	300	300	290	290	300	210	130	135	130	270	7	
28	130	140	90	115	120	115	260	145	290	310	295	255	315	310	310	240	200	120	135	305	310	300	140	7	
29	105	255	170	125	135	185	125	100	260	315	305	305	315	315	145	125	280	300	140	145	310	335	320	7	
30	300	255	170	250	210	205	205	200	265	270	290	260	235	205	175	200	190	250	195	180	185	175	190	260	10
PV	7	7	6	7	6	7	6	6	6	15	15	15	15	15	14	7	7	7	7	7	7	7	7	7	7

WIND DIRECTION (CC102)

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 11

NOV. 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	ESE	ESE	ESE	SE	ESE	ESE	SE	SE	SE	NW	NW	N	NW	MNW	S	WSW	MNW	SSW	SE	SE	SSW	SE	SSE	ESE	ESE	SF
2	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	NW	NW	SE	NW	NW	N	NW	NW	NW	S	SE	SE	SE	SE	SE	SE	SF
3	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	N	NW	NE	NW	NW	N	NW	NW	NE	E	SE	ESE	SSE	SSE	ESE	ESE	SF
4	SE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	NW	MNW	NW	MNW	NW	NW	ENE	SE	SE	MNW	SE	SE	SSE	SE	ESE	ESE	SF
5	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	NW	NW	NW	NW	MNW	MNW	MNW	MNW	E	E	E	E	ESE	ESE	ESE	SF
6	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SE	N	N	N	SE	NW	N	S	SSE	S	SSW	S	SE	SE	SE	SF
7	M	MNW	ESE	ENE	NE	SE	E	NW	MNW	NW	NW	NW	NW	NW	W	WSW	WSW	S	SSE	SSE	S	SSW	SSW	S	SE	SF
8	MNW	MNW	NW	NW	MNW	MNW	SW	SSE	ESE	S	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	E	SE	SSE	SSE	NW	SF
9	S	S	SSE	ESE	ESE	SSW	SSW	S	SE	SSW	S	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	E	NW	NW	NW	NW	S
10	NW	NW	NW	WSW	SE	SW	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	E	NW	NW	NW	NW	S
11	SE	S	S	SE	MNW	SSE	S	S	SSE	SSW	SW	W	WSW	SSE	SE	SE	SSE	SSE	S	SSE	S	S	S	S	S	SSE
12	S	SSE	SW	SSE	S	NW	NW	E	E	ESE	ESE	E	ESE	S	ESE	S	ESE	E	ESE	ESE	F	ESE	ESE	ESE	ESE	SF
13	ESE	ESE	E	E	ESE	E	E	E	E	ESE	ESE	E	ESE	E	ESE	E	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SF
14	MNE	NE	N	E	E	MNE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	S	SSW	SSW	SSW	SSW	SF
15	NW	MNW	E	ENE	E	E	ENE	ENE	ENE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	SE	ESE	ESE	ESE	SF
16	SE	SE	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SF
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SF
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SF
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SF
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SF
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	SF
22	SSE	SSE	SSE	SSE	SSE	SSE	W	NW	S	ESE	E	NW	NW	NW	NW	NW	NW	SSW	SE	SSE	SSW	SSW	SSW	SSW	SSW	SF
23	ESE	ESE	SE	SE	ESE	SE	SE	SE	SF	NW	NW	NW	NW	NW	NW	NW	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SF
24	MNW	NW	MNW	NNE	MNW	MNW	NW	NW	NW	MNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SF
25	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	SF
26	S	ESE	SE	SE	SE	SE	SE	N	N	NW	MNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SF
27	SE	SE	SE	FSE	SE	SE	SE	SE	ESE	NE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SF
28	SE	SE	E	ESE	ESE	ESE	SE	SE	MNW	NW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	SF
29	ESE	MNW	ESE	SSE	SE	SE	E	E	W	NW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	MNW	SF
30	MNW	MNW	S	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SF
PV	SE	SE	ESE	SF	ESE	SE	ESE	ESE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	SF

WIND DIRECTION (CC#021)
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 11
 DEC. 1980
 AERVIROMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	225	300	325	325	290	295	300	295	305	300	310	305	280	275	280	250	245	250	145	145	130	125	130	14	
2	125	140	210	315	140	155	55	135	325	305	310	310	130	260	295	295	20	155	155	120	235	315	140	7	
3	310	320	190	110	125	180	230	260	265	295	310	85	275	180	290	190	175	160	180	185	190	170	175	9	
4	155	165	165	175	170	175	170	170	175	180	170	175	180	185	215	180	175	175	175	175	165	170	175	160	9
5	165	165	155	170	170	175	175	200	320	330	310	315	315	305	190	265	300	290	305	120	140	115	135	(VAL)	
6	125	265	265	220	165	275	210	310	285	325	120	125	80	65	330	95	180	190	150	280	280	285	295	280	14
7	295	50	190	150	315	130	120	130	335	315	335	340	325	325	250	300	300	60	95	120	110	110	115	115	(VAL)
8	105	90	110	125	105	75	75	235	115	65	335	345	310	310	310	300	270	220	130	125	135	165	155	160	7
9	160	125	125	125	50	25	295	300	315	305	320	320	285	320	295	150	135	155	155	145	125	135	135	7	
10	140	135	135	130	125	120	130	115	125	25	315	345	325	300	285	315	305	270	250	145	125	145	130	130	7
11	115	125	155	165	110	220	220	160	240	325	330	325	310	310	305	285	260	210	135	120	130	125	135	150	7
12	130	130	120	115	120	130	130	125	120	340	315	315	300	305	295	310	170	200	130	130	135	130	60	125	7
13	120	135	130	135	135	130	125	125	125	25	325	325	315	315	320	300	320	105	125	150	160	125	125	120	7
14	125	125	120	125	130	120	150	45	130	140	340	315	315	315	305	310	270	135	125	160	150	155	135	7	
15	140	145	130	130	135	215	205	135	115	120	315	315	295	85	120	15	160	305	325	215	145	125	150	135	7
16	150	140	130	165	120	135	165	220	150	125	330	310	310	315	315	310	300	190	315	10	125	125	120	135	7
17	130	135	130	130	140	130	125	315	0	120	240	325	310	310	295	290	275	255	140	85	105	30	115	285	7
18	145	130	120	130	135	115	125	120	130	115	340	315	205	205	215	210	210	180	40	170	225	45	305	35	7
19	25	20	25	20	30	40	30	25	20	210	215	225	210	200	195	190	190	185	215	5	0	15	25	30	2
20	125	120	125	110	110	175	115	105	10	290	330	330	215	245	205	195	180	115	310	55	70	35	25	85	6
21	30	40	35	50	50	50	65	40	250	215	225	235	230	215	245	45	215	355	115	80	185	185	205	215	11
22	65	115	115	110	145	230	275	255	285	10	300	290	15	115	255	165	160	155	160	225	270	290	245	190	(VAL)
23	0	110	110	175	205	135	145	205	90	205	260	255	270	315	280	285	5	130	130	130	120	125	140	190	7
24	115	115	140	105	110	120	100	130	95	130	305	305	210	205	205	195	180	185	35	10	25	75	45	160	6
25	150	295	270	95	100	60	110	115	110	110	300	295	295	295	295	280	280	150	125	130	110	120	125	115	6
26	120	140	115	130	250	150	125	135	115	95	300	300	300	300	300	295	300	275	270	280	110	115	120	130	6
27	135	135	120	110	30	120	115	140	100	105	25	10	300	310	280	260	265	120	335	130	285	285	125	6	
28	135	115	135	120	120	120	330	155	310	105	95	310	300	295	305	305	290	220	110	110	100	105	110	110	6
29	120	120	110	110	110	115	115	115	100	100	290	275	285	290	290	240	275	200	110	115	125	115	120	120	6
30	65	130	135	135	130	140	115	110	115	75	310	315	295	295	290	285	245	280	175	110	105	80	95	90	6
31	125	120	135	120	125	125	125	130	120	105	355	295	315	300	300	300	300	285	150	135	155	120	105	120	7

WIND DIRECTION (CC1021

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
ROMANZA, UTAH
SITE 11

DEC. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SW	WNW	NW	NW	WNW	WNW	WNW	NW	NW	WNW	NW	NW	W	W	WNW	WNW	WNW	WNW	SE	SE	SE	SE	SE	SE	WNW
2	SE	SE	SSW	SE	SE	SE	SE	SE	NW	NW	NW	SE	W	W	WNW	WNW	WNW	WNW	SE	SE	SE	SE	SE	SE	SE
3	NW	NW	S	ESE	SE	S	W	WNW	WNW	WNW	NW	E	W	S	WNW	S	S	SSE	S	S	S	S	S	S	S
4	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6	SE	W	N	SW	W	W	W	WNW	WNW	WNW	WNW	WNW	E	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
7	WNW	NE	S	SSE	NW	SE	SE	SE	SE	SE	SE	SE	E	ENE	WNW	E	S	SSE	W	W	W	W	W	W	W
8	ESE	E	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	E	ESE	ESE	ESE	ESE	ESE	ESE
9	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
10	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
11	ESE	SE	SSE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
12	SE	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
13	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
14	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
15	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
16	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
17	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
18	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
19	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
21	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
22	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
23	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
24	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
25	SSE	WNW	W	E	E	E	E	E	E	E	E	E	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
26	ESE	SE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
27	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
28	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
29	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
30	ENE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE
31	SE	ESE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW	NW	SE	SE	SE	SE	SE	SE	SE

TEMPERATURE ICC0031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 11

JAN, 1980

AEROENVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-12	-12	-12	-13	-13	-14	-14	-13	-13	-11	-9	-9	-9	-8	-9	-10	-10	-11	-12	-12	-12	-13	-13	-12	-11	-8	
2	-12	-12	-14	-14	-15	-15	-16	-15	-14	-11	-11	-10	-10	-11	-10	-10	-11	-12	-12	-12	-13	-13	-14	-13	-12	-10	
3	-14	-14	-14	-14	-15	-16	-16	-15	-14	-13	-12	-12	-12	-12	-12	-13	-13	-13	-13	-13	-13	-14	-14	-13	-14	-12	
4	-14	-14	-14	-15	-15	-16	-16	-15	-14	-13	-12	-12	-12	-12	-11	-12	-13	-14	-14	-15	-15	-15	-15	-15	-13	-8	
5	-14	-14	-14	-15	-15	-16	-16	-15	-14	-13	-12	-12	-12	-12	-11	-12	-13	-14	-14	-15	-15	-15	-15	-15	-14	-11	
6	-14	-8	-10	-13	-14	-14	-13	-12	-10	-7	-6	-5	-3	-3	-5	-7	-8	-10	-12	-11	-11	-11	-11	-11	-9	-3	
7	-11	-12	-12	-13	-13	-13	-14	-14	-14	-12	-9	-8	-8	-8	-7	-7	-8	-8	-8	-8	-8	-9	-9	-10	-10	-7	
8	-9	-9	-10	-9	-10	-10	-10	-9	-8	-4	-5	-6	-5	-4	-3	-3	-3	-1	-1	-2	-2	-2	-2	-2	-5	-1	
9	-2	-2	-2	-2	-3	-3	-3	-2	-2	-1	IMT	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-3	-3	-2	-1	-1	
10	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	0	0	0	-5	-7	-7	-8	-10	-10	-11	-11	-11	-13	-13	-5	0	
11	-15	-16	-17	-18	-18	-19	-19	-19	-19	-17	-14	-14	-13	-8	-10	-13	-13	-13	-13	-13	-13	-13	-14	-13	-15	-8	
12	-13	-13	-13	-13	-13	-14	-14	-14	-14	-13	-12	-12	-10	-10	-10	-10	-9	-11	-11	-12	-12	-13	-12	-12	-9	-9	
13	-13	-13	-13	-13	-11	-11	-11	-11	-10	-8	-6	-6	-6	-5	-2	-4	-2	2	2	2	2	2	2	2	2	2	
14	2	2	2	2	2	1	2	2	2	-5	-7	-6	-5	-3	-1	-1	-2	-2	-2	-3	-3	-4	-4	-5	-2	2	
15	-5	-5	-6	-6	-6	-6	-7	-7	-7	-6	-5	-5	-5	-5	-4	-2	-3	-5	-5	-6	-7	-7	-7	-7	-6	-2	
16	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-6	-5	-5	-5	-5	-5	-6	-6	-6	-7	-7	-7	-7	-7	-6	-5	
17	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-4	
18	-7	-7	-8	-8	-8	-8	-7	-8	-7	-7	-6	-5	-4	-5	-4	-5	-4	-6	-6	-6	-7	-8	-9	-10	-7	-4	
19	-10	-10	-11	-12	-12	-12	-12	-12	-13	-13	-11	-10	-10	-10	-10	-10	-11	-12	-12	-13	-13	-13	-14	-14	-12	-10	
20	-15	-15	-14	-14	-13	-13	-14	-13	-13	-10	-10	-11	-11	-11	-11	-11	-11	-12	-12	-13	-13	-13	-13	-13	-12	-10	
21	-13	-13	-13	-13	-13	-13	-13	-12	-12	-12	-11	-10	-11	-10	-11	-10	-11	-11	-11	-12	-12	-12	-12	-12	-12	-9	-9
22	-12	-12	-12	-12	-13	-13	-13	-12	-12	-11	-10	-9	-9	-9	-8	-8	-8	-9	-10	-12	-12	-13	-13	-13	-11	-8	
23	-13	-13	-14	-15	-16	-16	-15	-16	-15	-14	-12	-13	-12	-12	-12	-13	-13	-13	-13	-13	-13	-13	-13	-14	-14	-12	
24	-13	-13	-13	-14	-14	-14	-14	-14	-14	-13	-12	-12	-12	-12	-11	-12	-12	-12	-12	-12	-12	-13	-13	-14	-14	-12	
25	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-11	-10	-9	-9	-7	-8	-8	-8	-8	-9	-10	-10	-11	-12	-11	-6	
26	-12	-14	-14	-15	-14	-15	-16	-17	-16	-14	-14	-12	-11	-11	-10	-10	-11	-13	-15	-16	-17	-17	-18	-18	-10	-10	
27	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-17	-15	-15	-13	-12	-12	-11	-13	-15	-16	-17	-17	-18	-18	-14	-10	
28	-12	-12	-12	-12	-13	-13	-13	-13	-13	-14	-13	-12	-11	-10	-11	-12	-11	-12	-13	-14	-14	-15	-15	-15	-11	-10	
29	-15	-15	-15	-15	-15	-16	-16	-16	-16	-14	-13	-11	-7	-9	-10	-11	-12	-12	-12	-12	-11	-12	-11	-12	-13	-7	
30	-13	-15	-17	-16	-18	-19	-21	-20	-19	-16	-14	-14	-15	-14	-11	-10	-11	-15	-17	-18	-19	-20	-21	-22	-17	-10	
31	-22	-24	-24	-24	-25	-25	-26	-25	-23	-23	-20	-19	-19	-13	-16	-16	-18	-19	-20	-21	-21	-21	-21	-21	-21	-13	
AV	-11	-11	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-9	-9	-8	-9	-9	-9	-10	-11	-11	-11	-11	-11	-11	-11	
SD	5	5	5	5	5	5	5	6	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	1	

TEMPERATURE [CC]031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 11

FEB, 1980

AEROENVIRONMENT INC.

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* * * * *
* * * * * F I N A L D A T A * * * * *
* * * * * A S O F 31/MAR/81 * * * * *
* * * * *
* * * * *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-21	-21	-21	-21	-21	-21	-22	-22	-21	-18	-17	-16	-17	-16	-16	-15	-15	-17	-17	-18	-18	-19	-18	-19	-19	-15	
2	-19	-20	-20	-20	-20	-20	-21	-20	-18	-16	-15	-14	-14	-12	-9	-9	-12	-14	-14	-16	-16	-16	-18	-18	-16	-9	
3	-15	-15	-15	-15	-15	-15	-16	-16	-14	-12	-11	-10	-8	-7	-8	-9	-11	-12	-13	-14	-14	-14	-14	-13	-14	-7	
4	-12	-12	-12	-12	-13	-14	-14	-14	-13	-11	-8	-7	-8	-9	-9	-7	-8	-9	-11	-12	-12	-13	-13	-13	-11	-7	
5	-14	-14	-14	-15	-16	-16	-16	-16	-14	-12	-10	-9	-8	-6	-7	-7	-8	-9	-10	-11	-11	-12	-13	-13	-12	-6	
6	-13	-13	-13	-13	-14	-15	-15	-15	-14	-13	-12	-11	-10	-9	-9	-10	-11	-11	-11	-11	-11	-12	-11	-11	-12	-9	
7	-10	-11	-11	-10	-11	-10	-10	-10	-9	-6	-7	-6	-4	-3	-4	-5	-6	-7	-8	-9	-9	-9	-11	-12	-8	-3	
8	-11	-11	-13	-14	-15	-16	-16	-16	-15	-14	-11	-11	-13	-12	-12	-13	-13	-13	-16	-17	-18	-18	-18	-18	-14	-11	
9	-20	-20	-22	-22	-23	-24	-23	-23	-21	-18	-16	-15	-14	-12	-12	-15	-16	-16	-17	-17	-19	-20	-20	-20	-19	-12	
10	-22	-21	-21	-23	-22	-23	-22	-22	-20	-18	-17	-15	-14	-14	-13	-13	-16	-16	-17	-18	-19	-20	-19	-20	-19	-13	
11	-21	-22	-22	-21	-22	-23	-23	-23	-19	-16	-17	-15	-11	-10	-10	-11	-12	-13	-13	-14	-15	-16	-17	-16	-17	-10	
12	-19	-20	-20	-21	-20	-20	-21	-17	-17	-17	-16	-13	-12	-11	-11	-12	-13	-13	-15	-16	-16	-16	-16	-16	-11	-10	
13	-16	-17	-16	-17	-17	-17	-17	-17	-14	-12	-10	-9	-8	-8	-6	-6	-8	-10	-11	-12	-13	-12	-12	-12	-6	-6	
14	-13	-13	-13	-12	-12	-12	-11	-11	-10	-8	-7	-5	-8	-7	-7	-6	-7	-8	-8	-8	-9	-9	-9	-10	-9	-5	
15	-10	-10	-10	-10	-9	-9	-9	-9	-9	-6	-3	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	
16	-10	-11	-10	-10	-11	-11	-10	-10	-10	-8	-5	-5	-5	-4	-4	-3	-5	-6	-6	-6	-5	-5	-5	-6	-7	-3	
17	-8	-8	-7	-7	-7	-7	-7	-7	-6	-5	-5	-5	-5	-5	-2	0	-2	-3	-4	-3	-3	-3	-3	-3	-2	0	
18	-3	0	0	-1	-1	0	-3	-3	-2	2	5	3	-1	-4	-5	-5	-5	-4	-4	-3	-3	-3	-3	-3	-2	5	
19	-3	-3	-4	-4	-4	-4	-4	-2	-1	2	4	5	4	4	4	4	3	3	3	2	2	2	2	2	2	5	
20	-5	-5	-4	-4	-4	-4	-4	-4	-3	-3	-2	-1	0	3	2	3	1	0	-1	-1	0	0	-1	-1	1	5	
21	-3	-3	-3	-4	-5	-4	-4	-4	-2	1	1	0	-1	0	1	1	-2	-3	-4	-5	-4	-5	-5	-3	1	3	
22	-6	-6	-5	-5	-5	-5	-5	-5	-3	-1	0	1	1	1	1	1	0	0	-1	-2	-2	-2	-2	-2	1	2	
23	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-2	-1	-2	-1	0	-1	-2	-2	-3	-3	-3	-3	-3	-3	0	0	
24	-7	-7	-9	-8	-8	-8	-9	-9	-6	-6	-6	-4	-4	-3	-2	-1	-1	-1	-2	-3	-5	-5	-6	-7	-5	-1	
25	-9	-9	-9	-9	-10	-10	-10	-10	-6	-6	-5	-4	-4	-3	-2	-1	-1	-2	-3	-4	-5	-5	-6	-7	-5	-1	
26	-9	-8	-8	-8	-8	-8	-8	-8	-6	-5	-4	-4	-2	-2	-1	0	1	1	0	-1	-2	-3	-4	-4	-2	2	
27	-6	-6	-6	-6	-7	-7	-7	-6	-4	-3	-1	2	2	3	4	4	5	3	2	0	0	0	-1	-2	3	5	
28	-4	-5	-5	-5	-5	-6	-6	-6	-3	-1	0	2	2	3	4	4	4	4	3	0	0	-1	-2	-3	2	5	
29	-3	-4	-4	-4	-5	-5	-5	-3	-2	-1	0	0	2	2	3	2	2	1	0	0	-1	-1	-2	-2	2	2	
AV	-11	-11	-11	-11	-11	-12	-12	-12	-10	-8	-7	-6	-6	-5	-5	-4	-6	-6	-6	-7	-8	-8	-9	-9	-9	-8	1
SD	6	6	6	6	6	7	6	7	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	6	6	1	

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMANITA, UTAH
 SITE 11
 MAR, 1980
 AEROSURVEILLANCE INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

DAY	CLOCK HOUR (LOCAL STANDARD TIME)																								AVE	PFAK
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	-3	-4	-4	-4	-4	-4	-3	-2	-1	0	0	-1	0	1	1	1	1	1	0	0	-1	-3	-3	-4	-2	1
2	-6	-7	-7	-7	-8	-8	-7	-7	-2	-2	-2	-2	-1	1	2	2	2	2	1	0	0	-2	-2	-2	-2	2
3	-3	-3	-3	-3	-4	-4	-4	-4	-2	1	2	1	2	1	2	2	2	2	1	0	-1	-1	-1	-1	-1	4
4	-3	-3	-3	-3	-4	-4	-4	-4	0	2	3	4	3	2	2	2	2	2	1	0	1	0	0	-1	-1	3
5	-4	-4	-4	-4	-2	-2	-3	0	2	2	3	4	3	2	2	2	2	2	1	0	1	0	0	0	0	4
6	0	0	-1	-5	-6	-5	-5	-5	-4	-3	-4	-5	-5	-5	-4	-4	-4	-5	-5	-5	-5	-5	-5	-5	-5	0
7	-5	-6	-6	-6	-6	-6	-5	-3	-1	-2	-2	-2	-1	1	1	1	1	0	-1	-2	-3	-3	-3	-3	1	
8	-5	-4	-5	-6	-7	-8	-7	-4	-2	-3	-2	-1	0	1	2	1	0	0	0	-1	-1	-2	-2	-3	2	
9	-6	-7	-7	-7	-8	-8	-7	-4	-2	-3	-3	-1	0	1	2	1	1	1	-1	-1	-2	-2	-3	-4	2	
10	-6	-5	-5	-6	-6	-5	-4	-3	0	1	0	2	3	3	3	3	3	2	1	-1	-1	-2	-3	-4	2	
11	-5	-6	-6	-7	-7	-7	-7	-5	-3	0	1	-1	3	3	3	2	1	-1	-1	-1	-2	-2	-3	-4	3	
12	-2	-4	-5	-4	-4	-6	-6	-6	-4	-3	-2	-3	-3	-3	-2	-2	-3	-3	-3	-5	-5	-7	-7	-7	-2	
13	-8	-8	-9	-9	-10	-10	-9	-6	-4	-2	-1	-1	2	2	2	2	2	2	1	0	-1	-1	-1	-2	3	
14	-3	-4	-5	-4	-5	-5	-4	0	3	4	5	5	5	4	5	6	6	7	5	6	5	2	2	4	3	
15	3	4	3	3	1	0	2	2	3	5	5	2	4	5	5	6	6	6	3	1	1	0	-1	-2	3	
16	-3	-5	-6	-7	-8	-9	-10	-9	-8	-7	-7	-5	-5	-5	-5	-5	-5	-6	-6	-7	-9	-11	-11	-12	7	
17	-11	-13	-13	-12	-12	-13	-12	-11	-9	-8	-5	-2	-1	0	2	3	4	4	3	2	1	-1	-1	-1	-2	7
18	-6	-8	-6	-6	-7	-10	-11	-10	-8	-5	-3	-1	0	2	3	3	4	3	2	0	-2	-3	-3	-3	4	
19	-4	-5	-6	-6	-7	-8	-7	-5	-1	0	1	2	3	3	4	5	4	2	2	0	-2	-3	-3	-5	3	
20	-5	-5	-5	-5	-8	-7	-6	-3	0	1	2	3	4	4	5	6	6	4	3	2	-1	-2	-3	-5	5	
21	-2	-1	-1	-2	0	0	-1	0	1	2	3	4	4	5	6	7	7	2	-2	-2	-2	-2	-2	-2	6	
22	-5	-5	-5	-5	-5	-6	-5	-5	-3	-2	-2	0	1	2	1	1	2	-1	-1	-2	-3	-4	-4	-4	1	
23	-4	-5	-5	-6	-6	-5	-5	-5	-3	0	1	2	3	3	3	3	3	2	1	0	-1	-1	-1	-1	2	
24	-4	-4	-5	-4	-5	-5	-3	-2	1	2	2	4	4	4	3	2	2	-1	-1	-3	-5	-5	-5	-6	5	
25	-6	-7	-7	-7	-8	-8	-8	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-7	-8	-8	-8	-8	-8	7	
26	-8	-8	-9	-9	-9	-10	-10	-8	-7	-5	-6	-6	-6	-6	-6	-5	-6	-6	-7	-8	-8	-8	-8	-8	-5	
27	-8	-8	-9	-11	-11	-11	-10	-8	-6	-5	-6	-6	-6	-6	-6	-6	-6	-6	-7	-8	-8	-8	-8	-8	-2	
28	-7	-7	-7	-8	-8	-8	-8	-7	-6	-4	-3	-2	-2	-2	-2	-2	-2	-2	-3	-4	-4	-4	-4	-4	1	
29	-6	-6	-6	-6	-8	-9	-9	-7	-5	-4	-1	0	1	2	2	2	3	2	-1	-2	-3	-4	-4	-4	3	
30	-5	-4	-5	-5	-5	-5	-5	-4	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	2	
31	-13	-14	-15	-15	-15	-15	-14	-12	-10	-8	-7	-6	-5	-5	-5	-5	-5	-6	-6	-7	-8	-8	-8	-9	-5	
AV	-5	-5	-6	-6	-6	-7	-6	-4	-3	-1	-1	0	0	1	1	1	1	0	-1	-2	-3	-4	-4	-5	-1	
SD	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	4	3	3	3	3	3	3	3	1

TEMPERATURE ICC1031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE # 11

APR, 1960

AEROSYSTEMS INC.

.....
* FJNAL DATA *
* AS OF 31/MAR/61 *
*

CLOCK HOUR ILOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-6	-6	-9	-8	-9	-9	-9	-6	-5	(CA)	-8	-2	-2	-1	-2	-2	-3	-3	-3	-6	-4	-7	-8	-8	-4	-1	
2	-8	-7	-8	-8	-8	-8	-10	-10	-9	-8	-9	-7	-6	-6	-6	-4	-4	-4	-3	-3	-4	-5	-7	-8	-4	-3	
3	-11	-11	-11	-12	-12	-12	-10	-10	-7	-4	-2	0	0	1	0	1	1	0	0	-2	-2	-3	-3	-3	-5	1	
4	-3	-3	-3	-4	-5	-5	-3	-3	-3	0	2	3	6	6	7	8	7	7	5	3	2	2	1	1	1	8	
5	-1	-2	-2	-3	-3	-3	-2	-3	1	2	6	8	9	9	9	9	8	8	5	4	2	1	0	0	3	9	
6	0	0	0	-1	-2	-1	1	1	2	(CA)	5	6	4	5	6	5	5	5	4	3	1	-1	-1	0	2	6	
7	-2	-3	-5	-7	-6	-6	-6	-6	-5	-4	-2	-1	-2	-2	-1	-1	-1	-2	-3	-3	-4	-4	-7	-7	-4	-1	
8	-9	-9	-10	-10	-10	-10	-7	-6	-4	-4	-1	1	1	2	3	3	4	4	3	1	0	-1	-2	-2	-3	4	
9	-3	-3	-5	-6	-7	-7	-5	-4	-2	1	4	5	6	8	10	11	10	10	8	7	6	5	4	3	2	11	
10	3	3	2	2	2	2	3	3	3	3	4	4	4	4	4	4	3	2	1	0	-1	-1	-3	-3	2	5	
11	-5	-6	-7	-7	-7	-7	-7	-7	-6	-3	-2	-1	-2	-1	1	1	1	1	-1	-2	-2	-3	-3	-4	-3	1	
12	-6	-7	-7	-8	-9	-9	-9	-6	-4	-2	0	1	1	0	0	0	0	0	-1	-2	-3	-4	-4	-5	-4	1	
13	-7	-7	-8	-9	-9	-10	-9	-7	-5	-4	-1	0	2	2	3	4	5	6	5	2	1	-1	-2	-2	-1	6	
14	-4	-4	-6	-7	-8	-7	-6	-3	1	3	5	9	9	9	10	11	11	11	10	8	6	5	5	3	3	11	
15	2	0	0	0	-3	-3	-2	1	5	5	(CA)	10	10	11	12	13	12	11	10	8	7	6	5	4	5	13	
16	2	-1	-2	-3	-3	-5	-4	1	3	6	8	9	9	10	10	11	11	11	10	8	7	6	5	4	4	11	
17	1	1	1	0	-1	-1	1	1	6	10	12	13	14	13	14	14	14	14	13	11	7	5	6	5	7	14	
18	5	1	0	-1	-2	-2	-1	1	6	8	11	14	15	16	17	17	17	17	16	13	11	9	8	7	8	17	
19	6	4	2	2	0	-1	1	3	8	10	12	15	16	17	18	19	20	19	17	15	12	11	10	9	10	20	
20	8	6	3	3	2	2	1	5	7	11	14	17	16	19	21	20	19	19	18	15	13	11	11	10	11	21	
21	9	8	11	10	9	9	9	13	15	15	15	16	16	15	11	11	10	10	6	6	6	5	4	3	10	16	
22	3	2	2	1	1	0	0	2	4	6	9	11	11	12	13	13	13	13	12	10	8	8	8	7	7	13	
23	5	3	3	4	5	5	5	5	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4	5	8	
24	2	1	1	2	1	2	2	3	4	5	6	7	8	8	8	9	9	9	9	8	7	7	5	4	5	9	
25	3	2	2	1	0	-2	1	2	5	7	8	9	11	12	13	13	14	13	12	10	9	9	7	6	7	18	
26	4	3	1	-1	-2	-2	1	3	5	6	8	9	10	11	12	13	13	13	13	10	8	6	5	4	5	13	
27	2	1	0	0	-1	-1	2	4	7	10	14	14	15	14	15	14	14	14	13	12	10	8	7	6	7	15	
28	7	6	6	6	5	2	7	8	12	14	14	15	15	16	15	16	15	14	14	12	10	10	9	8	9	10	16
29	8	6	4	4	5	7	7	8	10	12	14	16	16	16	17	14	7	8	7	6	4	4	5	5	5	17	
30	3	2	1	1	1	1	1	2	4	4	7	8	5	2	4	5	6	7	5	4	5	4	5	4	4	4	17
AV	0	-1	-1	-2	-3	-3	0	2	4	4	6	6	6	7	8	8	8	8	7	5	4	3	2	2	3	1	
30	5	5	5	5	5	5	6	6	6	6	6	7	6	7	7	6	6	6	6	6	5	5	5	5	5	5	1

TEMPERATURE (C:0.3)

DEGREES CELSIUS

LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE #1
MAY, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVG PFAK
1	3	3	3	3	3	4	4	5	6	9	11	13	11	12	11	9	9	9	7	6	6	6	6	9	7
2	4	4	3	3	3	3	4	6	6	10	11	12	10	12	12	12	12	11	10	9	9	7	7	6	4
3	5	5	4	3	3	2	3	5	7	8	11	13	14	15	16	17	16	14	13	11	9	8	8	8	12
4	6	6	5	4	3	4	7	9	11	11	13	14	15	15	15	15	13	11	10	9	3	3	3	4	15
5	4	4	4	3	2	2	3	5	7	7	9	12	13	12	12	9	11	10	9	8	7	6	5	6	13
6	5	5	5	5	4	5	7	10	12	12	13	13	10	9	7	8	8	7	6	7	6	6	5	4	13
7	6	5	5	5	5	5	6	6	9	9	7	7	7	12	13	12	10	5	4	3	3	3	3	3	7
8	3	3	3	3	4	4	5	6	6	10	6	10	9	11	12	13	13	10	5	5	5	5	4	7	13
9	5	4	5	4	4	2	4	5	6	9	9	8	8	9	9	5	4	4	3	3	2	2	2	2	5
10	2	2	0	3	3	0	3	5	7	8	9	6	10	11	10	10	10	5	3	2	1	0	0	5	9
11	1	1	0	0	-1	-2	0	1	3	2	1	3	3	4	2	2	2	-1	-2	-1	-1	-1	-1	0	4
12	-3	-4	-3	-3	-3	-4	-3	-1	-1	-2	4	5	5	5	5	5	5	2	-1	-1	-1	-2	-1	0	5
13	-1	-2	-2	-4	-4	-2	0	1	1	2	4	5	5	5	5	5	5	2	-1	-1	-1	-2	-1	0	5
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
AV	3	3	3	2	2	2	4	6	7	8	9	10	10	11	11	10	9	7	6	5	4	4	3	4	6
SD	3	3	3	2	3	3	3	3	4	4	4	4	4	4	4	4	5	5	4	4	4	3	3	3	4

ABOUT (29 JAN 81)

TEMPERATURE (CC1031
 DEGREES CELSIUS
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 11
 JUN, 1960
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/61 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	6	5	5	4	4	4	5	6	10	11	12	12	15	15	12	11	12	9	7	5	4	3	2	4	15	
2	2	1	1	0	0	2	3	7	12	13	14	15	16	16	17	17	17	17	16	14	12	11	12	11	17	
3	10	11	11	8	8	8	11	13	14	16	17	18	19	20	20	20	20	19	17	15	14	12	11	15	20	
4	12	11	12	12	10	11	12	15	16	16	17	19	19	20	21	21	21	20	18	17	17	16	15	16	21	
5	13	12	9	8	6	7	9	14	16	18	20	20	21	21	21	21	21	20	18	17	17	16	15	16	21	
6	13	12	9	11	12	13	13	15	17	17	18	19	20	20	20	22	20	17	16	15	14	13	12	9	22	
7	7	6	5	4	4	5	7	9	12	13	15	16	17	18	19	20	20	20	18	16	16	14	13	11	20	
8	8	9	6	5	4	4	6	10	13	15	16	21	22	22	23	23	22	22	20	19	17	14	13	15	23	
9	10	9	7	7	7	7	10	13	14	16	16	20	22	23	24	24	25	24	22	19	18	17	15	17	25	
10	13	13	9	8	7	7	10	15	19	22	24	26	26	27	27	27	27	26	24	22	20	19	19	19	24	
11	15	16	16	15	15	14	15	19	20	25	26	26	24	25	25	25	26	26	25	22	20	19	18	21	24	
12	16	16	16	15	14	14	16	19	21	22	23	24	24	24	24	24	23	23	23	21	19	18	15	13	19	24
13	10	11	11	10	8	9	12	14	15	20	22	22	23	23	24	24	24	23	23	21	19	19	19	14	17	24
14	12	12	10	11	10	10	13	17	19	20	21	22	22	22	22	23	23	23	21	18	15	13	12	10	17	23
15	8	6	5	4	4	6	8	11	13	13	15	16	15	17	17	17	17	17	16	15	15	13	12	9	12	17
16	9	9	8	7	6	7	9	11	13	17	15	15	16	17	18	18	19	20	19	18	15	13	11	10	14	20
17	9	8	7	6	5	6	9	13	14	17	19	22	23	24	25	24	23	23	23	21	19	17	16	15	16	25
18	15	13	11	11	10	10	12	15	18	20	23	24	24	26	27	26	26	25	25	24	22	19	16	16	19	27
19	15	15	14	13	12	13	14	18	19	20	24	24	24	23	23	24	23	24	25	23	20	17	16	14	19	25
20	12	11	11	10	9	12	14	17	19	22	23	24	24	23	23	24	23	24	25	23	21	20	17	19	27	25
21	16	15	13	12	12	12	13	17	18	21	23	25	25	25	24	24	25	24	25	22	20	18	16	14	19	25
22	15	14	12	12	9	10	13	15	18	20	22	24	25	27	27	28	27	26	27	24	21	18	16	14	20	25
23	20	20	16	16	15	16	18	21	22	24	25	26	27	28	27	27	27	26	24	21	18	16	14	20	24	24
24	15	14	12	11	9	8	12	15	17	20	24	25	27	27	27	27	27	26	26	24	21	19	16	14	20	24
25	17	16	16	14	12	12	14	17	19	25	27	27	27	28	29	29	28	28	28	24	22	21	21	20	24	24
26	17	17	17	17	14	13	17	21	25	26	27	28	28	29	30	30	29	29	28	26	23	23	22	19	22	29
27	18	16	16	15	14	14	15	16	17	19	21	21	22	23	23	23	24	24	24	20	18	17	14	14	14	23
28	12	10	8	7	6	6	10	11	13	17	19	20	22	23	24	25	25	26	27	25	20	19	18	16	17	27
29	14	14	14	13	13	14	16	19	19	22	25	26	28	29	30	29	29	26	24	24	23	22	22	20	21	30
30	18	18	17	16	16	15	16	17	20	18	19	19	19	20	23	23	24	24	23	22	15	14	13	13	14	24
AV	13	12	11	10	9	10	12	15	17	19	20	21	22	23	23	24	23	23	22	21	18	17	16	14	17	11
SD	4	4	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	11

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

JUL, 1980

AEROVIRONMENT INC.

FINAL DATA

AS OF 31/MAR/81

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	10	9	10	9	10	11	12	13	14	14	14	18	19	19	16	17	15	13	13	13	13	12	11	11	11	13	19
2	10	10	10	9	9	9	10	12	13	16	16	17	15	15	18	19	19	18	16	16	15	14	13	13	13	14	19
3	12	12	11	10	10	12	15	15	17	19	19	21	20	21	23	24	25	24	21	20	20	17	15	13	17	25	
4	12	11	12	11	12	14	16	16	16	19	23	24	24	22	24	25	26	26	24	21	20	17	16	15	16	26	
5	15	15	14	12	10	11	13	17	18	20	23	24	27	28	27	27	28	28	26	24	24	23	19	19	21	28	
6	19	17	16	14	13	12	14	18	20	22	26	27	27	28	29	29	26	26	25	23	23	22	21	20	22	29	
7	18	17	16	15	14	14	16	17	18	22	23	25	25	23	22	22	22	21	20	18	17	16	16	15	14	25	
8	14	13	13	13	13	13	14	17	18	20	22	23	22	24	25	24	21	18	15	14	13	12	11	17	25	25	
9	10	9	8	8	8	7	11	12	14	17	19	21	23	24	25	26	25	24	22	22	22	21	20	19	18	28	
10	17	16	14	13	13	11	14	18	20	23	25	26	27	27	27	28	27	25	22	22	21	20	18	18	21	28	
11	17	15	14	13	13	13	15	18	20	22	24	26	27	27	25	25	28	28	26	25	22	22	20	18	21	28	
12	18	17	16	15	17	16	18	21	21	23	24	21	19	23	25	26	24	24	22	21	20	19	18	12	21	26	
13	17	16	15	14	16	16	14	17	19	20	22	22	25	27	24	23	20	21	22	21	14	16	15	12	19	27	
14	13	13	12	11	11	13	15	17	19	19	21	23	25	25	26	25	25	25	23	22	20	18	17	19	19	26	
15	15	16	15	14	12	15	17	20	22	23	24	25	25	25	26	27	26	26	25	24	23	21	20	16	20	27	
16	15	15	14	12	11	11	13	16	17	20	22	24	25	26	27	28	28	29	26	23	22	20	19	20	20	29	
17	17	15	16	13	13	13	14	17	19	22	23	26	28	29	31	31	30	29	28	27	25	24	21	21	22	31	
18	19	19	19	17	17	16	16	19	20	22	25	26	27	30	31	30	29	27	27	27	24	23	23	22	21	29	
19	21	22	20	19	18	19	20	22	24	25	26	27	29	29	29	29	27	27	26	24	23	21	19	20	24	29	
20	16	14	14	13	12	11	13	15	16	20	22	25	26	26	27	27	27	27	24	22	22	22	22	18	20	27	
21	16	15	13	13	12	13	14	15	18	20	23	25	26	27	28	28	28	28	26	23	20	18	17	21	21	28	
22	16	16	16	15	13	14	15	19	21	22	26	28	29	30	29	29	28	26	26	24	23	22	22	23	30	30	
23	21	20	20	19	18	17	19	23	25	26	29	29	29	29	25	20	22	22	21	20	17	19	17	22	29		
24	15	15	14	14	14	14	14	17	19	22	24	25	27	26	26	26	27	23	21	19	18	16	15	13	19	29	
25	9	12	11	11	11	10	13	14	18	23	23	26	28	29	28	28	25	27	24	21	20	19	15	16	19	29	
26	16	16	14	12	12	11	12	15	18	19	23	26	26	27	28	28	27	28	27	24	21	20	19	16	19	29	
27	19	17	14	14	12	12	14	17	19	23	27	28	27	28	28	29	28	28	28	26	23	20	19	18	20	28	
28	15	15	14	13	13	12	15	17	19	22	26	28	29	30	30	29	30	30	28	26	25	23	22	21	22	29	
29	20	17	16	16	14	15	19	23	22	25	27	29	27	25	24	24	22	22	19	19	17	16	16	16	21	29	
30	10	16	15	14	14	13	15	18	20	21	22	23	24	26	27	26	26	27	23	23	23	21	16	16	20	27	
31	16	14	14	12	12	12	14	17	20	22	24	27	29	30	29	30	28	27	26	25	24	23	22	22	22	30	
AV	15	15	14	13	13	13	14	17	19	21	23	24	25	26	26	26	26	25	25	23	21	20	19	17	20	1	
SD	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	4	3	4	4	3	3	3	3	3	3	1	

TEMPERATURE ICCT031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BOMANZA, UTAH
 SITE 11
 AUG. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	19	16	16	15	15	15	17	17	16	21	25	25	26	27	26	29	27	22	22	22	21	20	18	17	21	29
2	16	16	16	14	14	12	14	17	20	22	23	25	26	28	29	29	28	27	28	27	24	23	21	19	21	29
3	16	15	15	15	14	13	15	18	21	24	25	27	28	28	28	28	26	26	26	23	22	21	20	19	21	28
4	17	14	14	14	11	12	13	14	17	19	21	23	22	23	25	27	27	26	25	23	22	20	18	16	19	27
5	13	13	12	11	11	10	11	13	16	19	21	24	24	27	29	30	29	29	28	26	25	24	23	23	20	30
6	21	19	19	17	18	16	17	20	23	24	26	27	28	29	29	30	29	28	27	24	21	20	20	20	23	31
7	19	19	18	18	16	16	16	19	21	24	26	27	27	28	30	31	30	30	29	27	24	22	21	20	23	31
8	21	20	18	17	16	16	16	19	21	24	26	28	29	31	31	31	30	29	27	25	24	24	24	24	24	31
9	22	19	19	18	17	17	18	22	24	26	27	27	28	29	29	29	28	27	26	24	21	20	19	18	24	29
10	17	16	13	14	12	12	13	17	20	22	25	25	27	27	27	28	27	26	25	23	21	18	17	17	21	28
11	16	15	12	11	10	9	10	14	16	18	21	24	25	26	27	27	27	27	27	23	21	19	18	18	19	27
12	17	14	13	13	11	11	13	17	22	26	26	27	28	27	27	27	25	24	22	21	20	19	19	17	20	28
13	17	15	16	16	16	14	15	16	19	22	24	25	26	27	24	22	19	17	17	17	16	16	15	15	19	27
14	15	14	14	14	12	12	12	17	18	20	22	23	24	25	25	26	26	25	23	19	17	15	14	15	19	26
15	13	10	10	10	9	10	10	11	15	17	16	15	17	20	19	17	16	14	11	11	10	9	9	9	13	20
16	8	7	7	7	7	7	8	10	13	14	15	16	17	19	19	19	20	19	16	14	13	13	11	13	20	20
17	10	10	9	8	6	7	7	10	12	14	17	19	21	22	24	24	24	24	23	21	20	17	15	15	16	24
18	14	14	15	15	14	13	13	15	19	23	24	24	24	25	25	25	24	24	23	21	20	20	19	14	20	25
19	18	17	16	16	15	14	16	18	19	19	20	20	18	15	13	14	14	10	9	10	10	9	8	7	14	20
20	5	4	3	3	2	4	4	6	10	11	13	14	15	16	18	18	18	16	14	13	11	10	11	10	11	20
21	10	6	7	6	6	6	7	10	12	14	17	18	20	21	23	23	23	23	22	19	18	17	16	15	23	23
22	14	11	10	9	8	7	9	13	16	20	24	25	26	26	26	25	25	24	22	20	18	19	19	19	26	23
23	19	19	18	17	17	17	17	20	21	23	22	21	21	20	15	12	10	9	10	11	11	12	11	16	23	
24	11	11	11	10	11	11	11	12	15	15	16	17	18	19	19	20	20	19	16	13	12	11	10	10	14	20
25	10	9	9	8	8	8	9	12	13	15	12	8	7	8	10	10	8	10	10	9	8	8	8	6	9	15
26	7	6	6	5	5	7	8	(HF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6	8
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6	8
28	15	13	14	13	11	11	13	14	17	20	22	25	24	23	23	23	23	23	20	17	16	15	15	15	14	23
29	18	16	16	14	14	14	15	16	18	20	22	21	21	21	21	21	20	19	18	16	15	15	15	14	18	25
30	13	12	12	11	10	12	12	13	14	16	18	19	20	19	21	20	20	17	15	15	15	14	12	11	14	21
31	6	5	5	4	4	4	5	6	9	9	11	13	14	14	14	14	14	14	13	13	13	10	9	7	9	15
AV	15	13	13	12	11	11	12	15	17	19	21	22	22	23	23	24	23	22	21	19	18	17	16	15	17	17
SD	4	5	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	5	5	5	5	4	1

TEMPERATURE ICC1031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 11

SEP, 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4	2	2	3	2	2	4	7	9	13	15	17	16	17	18	19	19	19	17	15	14	14	12	11	11	19	
2	11	9	8	7	6	6	8	13	14	17	20	21	22	23	24	24	23	22	20	20	19	19	18	16	16	24	
3	16	15	14	13	12	14	18	19	20	21	23	23	23	23	23	23	23	22	21	20	17	15	14	14	18	23	
4	10	10	10	9	8	9	10	13	16	18	20	21	22	23	24	24	24	24	23	20	18	17	16	14	13	16	24
5	11	11	10	9	9	9	10	15	16	19	23	23	23	24	25	25	25	25	23	21	19	16	14	13	16	24	
6	16	16	16	17	14	13	14	16	20	22	24	24	24	24	24	23	22	23	22	21	20	18	18	17	19	24	
7	15	14	12	13	12	11	12	12	13	10	10	12	12	14	12	9	9	9	10	10	9	9	9	9	11	15	
8	8	6	6	6	7	7	7	8	8	8	9	10	11	14	15	16	15	14	14	13	13	11	10	10	10	16	
9	8	7	7	8	8	8	8	10	11	12	13	13	12	14	14	13	12	12	11	10	10	9	9	10	10	14	
10	8	8	8	8	8	8	8	10	11	12	13	12	14	14	13	12	11	11	10	9	9	8	8	8	9	12	
11	6	5	4	5	4	5	6	8	11	14	15	15	15	15	15	15	13	12	12	11	10	9	9	9	10	15	
12	8	8	8	7	7	6	7	9	12	13	15	15	15	16	16	16	14	13	13	11	10	10	9	9	11	14	
13	7	7	7	7	6	6	6	8	10	13	16	20	19	19	20	21	20	19	18	17	17	14	13	14	13	21	
14	11	10	7	8	7	7	8	11	16	20	20	20	17	19	19	18	19	18	16	15	15	15	11	12	14	20	
15	10	8	7	6	5	4	6	9	13	14	15	17	18	19	20	21	21	19	18	17	16	15	12	12	14	20	
16	14	14	13	12	12	11	12	13	14	16	18	19	19	19	20	20	20	19	19	18	17	16	15	12	14	21	
17	8	7	8	8	8	9	8	10	13	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	
18	9	8	7	8	6	6	6	10	12	15	18	20	20	23	24	24	23	22	21	21	21	21	21	20	16	24	
19	17	18	18	18	17	17	19	19	21	22	22	22	23	23	24	24	23	22	21	21	21	21	21	20	16	24	
20	7	6	5	5	3	4	4	6	8	9	11	12	13	14	15	16	16	16	16	14	13	11	10	9	10	16	
21	7	6	5	6	5	5	5	8	11	11	12	14	13	13	13	11	11	10	10	9	8	6	5	5	9	14	
22	3	3	2	1	2	2	2	2	4	7	9	11	10	11	12	13	13	11	10	10	7	5	4	4	4	13	
23	3	1	1	0	0	2	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	1	3	
24	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	IRF	1	3	
25	5	3	6	5	4	2	3	5	6	8	11	14	14	15	16	16	16	15	13	12	12	8	8	6	9	16	
26	4	3	2	3	2	1	1	4	10	11	13	14	17	18	18	18	18	18	15	14	13	13	11	9	10	18	
27	8	7	8	6	5	4	4	7	11	13	15	17	18	19	20	21	20	20	17	15	15	13	12	11	13	21	
28	9	6	6	6	5	4	4	6	10	12	14	18	17	19	19	21	20	20	18	17	16	15	14	14	13	21	
29	12	11	10	8	5	5	5	8	10	13	15	17	19	20	21	21	20	21	18	15	13	12	11	10	9	13	21
30	7	7	7	5	6	5	4	8	13	13	16	19	19	21	22	23	23	23	19	17	16	14	12	11	14	23	
AV	9	8	8	7	7	6	7	10	12	14	15	17	17	18	18	19	18	18	16	15	14	12	12	11	13	11	
SD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	11	

TEMPERATURE ICC1031

DEGREES CELSIUS
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 11

OCT. 1980

AEROVIRONMENT INC.

.....
* * * * * FINAL DATA * * * * *
* * * * * AS OF 31/MAR/81 * * * * *
.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	9	7	6	7	7	6	9	12	13	17	21	20	21	21	22	23	20	16	17	17	15	15	14	15	23
2	10	6	7	6	6	5	6	7	10	11	13	14	15	15	17	18	17	16	14	12	17	18	18	17	15	18
3	3	3	2	1	1	1	1	3	7	8	12	14	16	17	18	18	18	17	15	12	11	10	8	6	9	18
4	6	5	6	4	4	2	3	5	6	11	12	13	15	15	19	19	20	18	17	14	13	11	10	9	11	20
5	7	6	6	7	6	5	4	6	9	11	14	17	19	21	20	21	20	19	17	14	12	11	10	10	13	21
6	6	5	4	3	3	3	4	6	10	12	14	17	18	18	19	19	19	19	17	14	12	11	10	9	11	19
7	7	6	5	4	4	4	4	5	9	10	14	16	16	18	19	20	21	20	17	15	13	11	10	9	12	21
8	7	6	5	4	4	3	2	5	8	11	12	15	17	18	20	21	19	16	13	11	9	8	8	11	21	
9	6	6	7	5	4	4	4	6	8	10	12	15	15	17	18	18	17	15	13	12	10	9	8	11	18	
10	5	5	6	5	4	4	4	6	8	8	12	13	13	14	14	14	13	10	8	6	5	4	9	9	18	
11	2	1	0	0	1	1	1	1	4	6	9	11	13	15	16	18	17	16	16	16	16	15	15	9	18	
12	10	9	7	7	7	7	8	9	8	10	10	9	9	9	9	9	8	5	6	6	6	5	5	7	12	
13	3	3	1	1	1	1	2	2	4	5	6	8	9	10	8	8	8	6	6	3	2	2	3	1	4	10
14	0	-1	-2	-1	-1	-1	-1	0	0	1	3	4	6	6	6	6	5	4	4	3	3	2	1	0	2	8
15	-1	-1	-1	0	0	0	-2	0	1	4	5	4	2	0	0	1	0	-1	-1	-1	-1	-1	-2	-2	0	5
16	-2	-3	-2	-1	-1	-1	-1	-1	-2	-3	-1	1	-1	0	0	1	1	1	1	1	1	0	-1	-2	0	1
17	-1	-2	-3	-2	-2	-3	-2	-1	1	2	3	3	3	3	3	4	4	3	2	1	1	0	-1	-2	1	4
18	-3	-3	-3	-3	-3	-3	-2	-2	0	3	4	6	6	6	7	7	7	4	4	3	2	1	0	0	2	7
19	-1	-2	-3	-4	-4	-4	-4	-3	0	1	3	5	6	7	8	7	6	5	3	2	1	1	0	0	2	8
20	-2	-3	-3	-4	-4	-4	-4	-3	0	1	4	6	6	7	8	8	6	4	3	3	3	2	1	0	2	8
21	-1	-2	-3	-4	-4	-4	-5	-3	1	3	5	7	7	8	9	10	10	6	6	5	4	4	3	3	10	
22	2	2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	9	9	11	10	10	9	8	6	5	2	0	-1	-1	-2	5	11
23	-5	-6	-7	-6	-7	-6	-6	-6	-4	-3	-2	-1	0	1	0	-1	-2	-4	-4	-6	-6	-6	-7	-7	1	1
24	-7	-6	-9	-9	-9	-10	-11	-9	-5	-4	-2	0	3	3	4	4	3	2	1	-1	-2	-4	-5	-6	-3	4
25	-6	-7	-7	-7	-8	-9	-9	-7	-4	-3	-1	0	3	4	5	5	3	2	1	-1	0	-1	-1	-1	-2	5
26	-2	-3	-3	-4	-4	-4	-4	-3	-2	-1	1	1	1	-1	-2	-2	-2	-3	-3	-2	-2	-1	-1	-1	-2	1
27	-4	-4	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-2	-1	-3	-4	-5	-5	-6	-6	-6	-6	-4	-1
28	-8	-9	-9	-8	-8	-8	-8	-9	-6	-5	-4	-2	-1	0	0	0	-1	-3	-3	-6	-7	-7	-7	-7	-5	0
29	-8	-8	-9	-9	-10	-10	-10	-9	-5	-3	-2	0	2	2	3	3	3	1	1	-1	-3	-5	-5	-5	-4	3
30	-6	-7	-7	-8	-8	-8	-8	-8	-4	-3	-1	1	3	5	6	6	6	5	3	1	-1	-2	-3	-3	-2	6
31	-5	-4	-5	-6	-6	-7	-7	-6	-4	-2	0	4	5	6	7	7	6	5	5	3	1	0	-2	-2	0	7
AV	1	0	0	-1	-1	-1	-1	0	2	4	6	7	8	9	9	10	9	8	7	5	4	3	3	2	4	1
SD	6	5	6	5	5	5	6	6	6	6	6	7	7	7	7	7	8	8	7	7	7	6	6	6	6	1

TEMPERATURE (CC103)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE (1)
 NOV, 1980
 AEROSURVIVANCE INC.

.....
 * FINAL DATA *
 * AS OF 15/APR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK		
1	-4	-4	-5	-5	-5	-6	-7	-5	-3	-2	2	4	6	7	10	8	7	5	4	2	1	0	0	-2	0	10		
2	-3	-4	-4	-2	-3	-4	-4	-4	-1	1	2	6	6	8	10	9	9	7	5	4	3	2	2	2	2	2	10	
3	1	-1	-2	-2	-2	-2	-3	-3	-1	2	4	6	7	8	10	8	9	7	6	4	4	4	4	2	1	3	10	
4	0	-1	-1	0	-1	-1	-2	-1	2	3	3	6	6	8	9	10	9	8	7	6	5	3	1	0	3	3	10	
5	-2	-2	-3	-4	-4	-4	-4	-4	-2	2	3	5	7	8	9	9	9	7	5	3	2	0	-1	-1	2	9	12	
6	-1	-3	-4	-3	-4	-4	-4	-3	0	2	5	7	9	12	10	10	9	8	9	8	8	8	8	7	4	12	11	
7	8	6	5	4	3	3	3	2	3	4	8	9	8	7	8	8	8	8	8	8	10	11	9	10	7	11	10	
8	10	10	10	9	8	7	6	3	3	3	2	2	2	2	2	-2	-2	-4	-4	-3	-1	2	5	7	3	10	10	
9	9	9	11	11	9	11	10	9	7	7	7	6	4	2	2	0	-1	-2	-2	0	3	5	6	5	11	11	11	
10	7	9	11	12	11	9	7	7	6	4	3	2	1	0	1	1	-1	-2	-2	-2	0	2	3	4	4	12	12	
11	6	5	5	2	0	-2	-2	0	2	2	3	5	5	7	9	10	10	10	10	10	10	8	7	7	5	10	10	
12	7	7	7	6	4	7	7	7	8	7	10	9	9	8	5	4	3	1	1	1	1	0	0	0	0	5	10	
13	0	0	0	-1	-1	-2	-1	-1	0	0	0	-1	-1	-2	-3	-3	-3	-4	-5	-5	-5	-5	-6	-6	-2	0	0	
14	-7	-7	-6	-6	-5	-4	-4	-3	-3	-2	-2	-1	0	-2	-2	-2	-4	-4	-5	-5	-6	-7	-7	-7	-4	0	0	
15	-8	-8	-8	-10	-11	-11	-12	-12	-11	-9	-7	-7	-5	-3	-4	-4	-6	-7	-7	-8	-8	-10	-11	-11	-4	-3	-3	
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
17	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
19	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
21	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
22	-5	-4	-4	-4	-4	-6	-6	-7	-6	-4	-1	0	2	2	1	0	-1	-2	-2	-2	-2	-3	-3	-3	-3	0	0	
23	-5	-6	-6	-6	-7	-8	-7	-8	-7	-4	-4	-2	-1	0	-1	-1	-2	-3	-3	-2	-2	-2	-3	-3	-3	-2	2	
24	-6	-7	-7	-6	-6	-6	-6	-7	-6	-6	-5	-5	-4	-2	-3	-3	-5	-5	-5	-5	-6	-6	-6	-6	-6	-2	-2	
25	-9	-10	-9	-9	-8	-8	-8	-8	-7	-7	-7	-7	-7	-5	-5	-6	-7	-8	-8	-9	-9	-9	-9	-9	-9	-5	-5	
26	-10	-11	-12	-11	-13	-13	-13	-13	-11	-9	-6	-6	-7	-6	-5	-6	-7	-8	-9	-9	-11	-12	-12	-11	-10	-5	-5	
27	-11	-12	-13	-14	-14	-14	-14	-14	-13	-10	-9	-8	-6	-6	-5	-5	-6	-7	-8	-8	-9	-10	-10	-10	-10	-5	-5	
28	-12	-13	-13	-14	-14	-14	-13	-13	-11	-9	-6	-2	-3	-2	-1	-1	-2	-2	-3	-3	-4	-5	-6	-7	-6	-1	-1	
29	-7	-8	-9	-9	-9	-10	-10	-9	-9	-7	-4	-5	-3	-2	-1	-1	-3	-2	-2	-3	-4	-5	-5	-5	-5	-5	-5	
30	-5	-5	-5	-2	-1	0	0	1	1	2	5	6	8	7	7	5	4	3	3	3	4	4	3	3	3	3	2	2
AV	-2	-3	-3	-3	-3	-4	-4	-3	-2	-1	0	1	2	2	3	2	1	0	0	-1	-1	-1	-2	-2	-2	-1	1	
SD	7	7	7	7	7	7	7	7	6	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 11
 DEC, 1980
 AEROSOL ENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 15/APR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	1	-1	-1	-3	-4	-4	-4	-5	-4	-4	-3	-2	-1	-1	0	0	-2	-3	-4	-5	-6	-7	-7	-8	-3	1
2	-8	-8	-8	-6	-8	-8	-9	-9	-7	-6	-4	-4	-1	-1	-1	0	-1	-1	-2	-1	-1	-1	-1	-1	-1	0
3	-2	-3	-4	-4	-3	-2	-2	-3	-3	-3	-2	0	2	9	5	6	7	6	5	6	6	5	3	3	3	1
4	2	2	5	5	5	5	5	5	7	6	7	8	8	6	4	4	3	2	2	2	2	3	3	3	2	4
5	1	1	-1	0	0	0	0	0	1	1	1	-1	0	0	1	1	-1	-2	-3	-3	-4	-5	-5	-5	-5	1
6	-6	-6	-5	-5	-6	-6	-5	-5	-6	-5	-4	-3	-3	-2	-1	-1	-2	-3	-3	-3	-4	-5	-6	-7	-7	-1
7	-6	-6	-7	-7	-8	-8	-7	-8	-7	-7	-7	-6	-6	-6	-5	-6	-6	-6	-7	-7	-7	-7	-8	-8	-7	-5
8	-8	-8	-8	-9	-9	-8	-9	-9	-8	-7	-7	-6	-7	-6	-6	-6	-7	-7	-8	-8	-10	-10	-10	-10	-10	-6
9	-10	-11	-11	-11	-10	-11	-11	-11	-10	-10	-9	-8	-8	-8	-6	-6	-6	-7	-8	-8	-9	-10	-11	-11	-9	-6
10	-12	-12	-13	-13	-13	-14	-14	-14	-12	-10	-9	-7	-5	-4	-3	-4	-5	-5	-6	-7	-8	-8	-9	-9	-9	-3
11	-10	-11	-11	-11	-11	-11	-11	-11	-10	-8	-6	-4	-3	-3	-2	-2	-3	-3	-4	-4	-5	-5	-6	-6	-7	-2
12	-9	-10	-11	-11	-11	-11	-12	-12	-10	-7	-5	-3	-1	-1	-1	-2	-2	-4	-5	-8	-10	-9	-9	-11	-11	-1
13	-11	-11	-11	-11	-11	-12	-13	-13	-11	-9	-7	-4	-4	-2	-2	-2	-3	-4	-4	-6	-7	-6	-9	-10	-10	-2
14	-11	-11	-11	-11	-12	-13	-11	-11	-11	-9	-6	-3	-2	0	-1	-2	-4	-5	-6	-6	-6	-6	-6	-7	-7	0
15	-8	-8	-8	-9	-8	-8	-9	-8	-7	-6	-4	-3	-2	1	2	2	0	-1	-3	-5	-4	-6	-6	-6	-7	2
16	-6	-7	-8	-8	-9	-8	-9	-9	-8	-4	-3	-1	1	2	1	1	-1	-2	-2	-4	-4	-6	-6	-7	-5	2
17	-8	-9	-8	-9	-9	-10	-9	-10	-8	-6	-4	-2	-1	-1	1	2	1	-1	-3	-3	-4	-5	-5	-7	-5	2
18	-7	-6	-8	-8	-8	-8	-8	-8	-8	-6	-2	0	2	2	3	3	3	1	0	-2	-4	-4	-4	-4	-4	2
19	-2	-3	-3	-5	-7	-8	-8	-5	-4	-2	0	1	2	1	1	0	0	-1	0	-2	-4	-4	-6	-7	-3	3
20	-8	-8	-8	-8	-9	-9	-9	-10	-10	-8	-6	-5	-4	-2	-2	2	2	1	1	0	-2	-4	-4	-6	-6	2
21	-9	-9	-8	-9	-9	-9	-8	-9	-9	-7	-4	-1	1	1	2	2	2	2	1	-1	-2	-4	-4	-6	-5	2
22	-3	-2	-3	-4	-2	-1	-3	-4	-5	-4	-3	0	5	6	6	6	5	3	3	2	0	1	1	1	1	2
23	1	-1	-2	-3	-5	-6	-5	-6	-6	-4	-3	-1	2	2	2	2	2	0	-1	-3	-5	-4	-4	-6	-2	2
24	-5	-7	-7	-7	-8	-8	-8	-10	-8	-7	-6	-2	1	0	1	0	0	-1	-3	-6	-4	-4	-4	-6	-2	1
25	-5	-6	-7	-7	-8	-8	-8	-7	-7	-4	-2	0	2	1	2	3	4	2	1	0	1	0	0	0	0	6
26	-1	0	-2	-2	-4	-6	-5	-6	-5	-3	-4	1	2	3	5	3	4	2	1	-2	-2	-2	-2	-2	3	
27	-5	-5	-7	-7	-7	-8	-9	-9	-8	-7	-5	-2	2	3	3	2	2	1	-2	-5	-4	-9	-5	-5	-1	5
28	-5	-6	-6	-6	-7	-8	-8	-8	-7	-4	-4	0	1	1	1	1	2	0	-3	-5	-5	-6	-7	-7	-4	2
29	-7	-8	-9	-9	-10	-10	-9	-10	-11	-6	-5	-5	-3	-2	0	0	0	1	-2	-5	-7	-7	-10	-9	-6	1
30	-6	-9	-9	-9	-11	-13	-13	-13	-9	-5	0	0	0	2	2	2	0	0	-1	-4	-6	-8	-9	-10	-5	2
31	-7	-7	-8	-8	-7	-9	-10	-10	-7	-5	-4	-1	-1	1	0	0	-1	-2	-4	-5	-7	-9	-9	-7	-5	1
AV	-6	-6	-7	-7	-7	-8	-8	-8	-7	-5	-4	-3	-3	0	0	0	0	-2	-3	-4	-4	-5	-6	-6	-6	1
SD	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	1

SITE 13

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
HONANZA, UTAH
SITE 13
JAN, 1980

AEROVIRONMENT (NC)

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()	
10	10.0	19.5	21.5	18.5	16.0	12.5	12.0	19.5	20.0	19.5	20.0	22.0	22.0	17.0	18.5	20.5	15.0	14.5	17.0	19.0	16.0	14.5	6.0	9.0	11.5	15.5	
11	9.5	6.5	4.0	2.0	2.0	2.5	3.5	3.0	2.5	2.5	2.5	2.5	1.5	3.0	2.0	2.5	2.5	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0	9.5	
12	2.5	2.5	2.0	2.5	3.5	5.0	2.5	3.0	3.0	5.0	3.0	3.0	3.0	2.5	2.0	2.5	3.0	3.0	2.5	2.0	2.0	2.5	2.5	2.0	2.0	5.0	
13	2.5	1.5	1.5	2.0	2.0	2.5	2.0	2.0	3.5	3.0	5.0	2.5	2.5	2.0	1.5	2.0	2.5	2.5	2.0	3.5	8.0	7.5	10.0	12.0	3.5	12.0	
14	11.5	10.5	15.5	9.5	7.5	6.0	12.5	7.0	10.0	7.0	8.0	7.5	6.5	3.5	2.5	2.5	2.5	2.5	2.5	1.0	2.0	2.5	2.5	2.5	3.0	6.0	15.5
15	2.0	1.5	1.0	.5	.5	.5	.5	1.0	2.5	3.5	3.5	3.5	3.0	3.5	3.5	3.0	2.5	2.5	2.0	4.0	1.5	1.5	2.0	1.0	2.0	4.0	
16	1.5	1.0	1.5	1.5	1.5	2.5	3.0	1.5	2.5	2.0	3.0	2.5	3.0	4.5	3.0	3.0	2.5	3.0	2.5	2.5	2.0	1.5	1.5	1.5	1.5	2.5	4.5
17	2.0	2.5	2.0	3.0	2.5	2.0	3.0	2.0	2.0	1.5	2.5	4.0	6.0	6.0	3.5	2.5	2.5	2.0	2.0	2.0	2.5	3.0	2.5	2.5	3.0	6.0	4.0
18	1.5	1.5	2.0	2.5	2.5	2.0	2.0	1.5	1.5	1.0	1.0	2.5	2.5	3.5	5.0	4.5	4.0	4.5	2.0	2.0	4.5	4.0	4.5	10.0	3.5	10.0	
19	9.5	11.0	10.5	9.0	9.0	7.5	7.5	8.0	9.0	9.5	4.0	4.5	5.5	8.5	7.5	6.0	5.5	3.5	1.0	2.0	1.5	6.0	6.5	3.0	6.5	11.0	
20	4.0	3.0	3.0	3.0	5.5	4.0	2.5	3.5	3.0	2.5	3.0	4.5	4.5	3.5	4.5	4.5	3.0	4.5	5.0	5.0	2.0	2.5	1.5	1.5	1.5	5.5	
21	2.0	2.5	2.5	2.5	3.0	2.0	2.0	2.5	2.0	3.0	3.5	3.0	2.5	2.0	5.0	2.5	3.0	3.5	5.0	5.0	5.0	4.5	5.0	4.5	3.5	5.5	
22	4.5	4.0	2.5	3.5	4.0	3.5	2.5	4.0	3.5	3.0	3.0	4.5	3.5	3.0	3.0	3.5	3.5	2.5	2.0	1.5	1.5	4.0	2.0	3.0	4.0	4.5	
23	2.0	2.0	3.0	2.5	2.5	3.0	2.5	2.5	2.5	3.0	2.5	2.5	3.0	4.0	4.5	4.5	4.0	3.0	3.5	4.0	3.5	4.0	3.5	4.0	3.0	4.0	
24	2.5	2.5	2.5	2.5	3.0	3.5	2.0	2.5	3.0	2.5	3.0	3.0	2.5	3.0	2.5	2.5	2.5	3.5	4.0	3.5	4.0	3.0	3.5	3.0	3.0	4.5	
25	2.5	3.0	2.5	3.0	2.5	4.5	2.5	3.0	3.0	2.5	2.0	2.5	3.0	3.0	2.5	2.5	3.0	4.0	3.0	3.0	3.0	3.5	7.0	7.0	3.5	7.0	
26	8.5	5.0	6.0	3.0	2.5	1.5	3.5	2.5	2.0	2.5	3.0	2.5	3.0	4.0	5.0	4.5	7.0	8.0	8.0	9.5	7.0	4.5	7.0	4.5	4.5	9.5	
27	3.0	4.0	4.0	2.0	3.0	3.5	2.5	1.5	1.5	2.5	2.5	3.0	3.0	3.5	3.0	3.5	3.0	2.0	3.0	3.5	3.0	2.0	4.0	3.0	3.0	4.0	
28	2.5	3.0	2.5	1.5	3.5	2.5	2.5	2.0	2.0	2.0	2.5	3.0	3.0	3.0	3.0	4.0	3.0	3.5	2.5	1.5	2.0	1.5	1.5	2.0	2.5	4.0	
29	1.0	1.5	2.5	2.0	1.0	2.0	1.0	2.0	.5	1.0	2.5	2.5	2.5	2.0	2.0	3.5	2.5	3.5	6.5	3.5	3.5	2.5	2.5	3.0	2.5	6.5	
30	3.0	3.0	4.5	3.5	2.0	2.5	3.0	3.0	2.5	3.0	2.0	2.5	2.0	2.5	3.0	2.5	2.5	3.5	1.5	1.5	2.5	1.5	2.5	2.5	2.5	4.5	
31	2.0	2.0	1.5	1.5	1.5	1.5	2.0	3.5	1.0	1.5	1.0	2.5	2.5	3.0	2.5	3.0	2.5	5.0	2.5	3.0	2.5	2.5	3.0	1.0	2.5	5.0	
AV	4.0	4.5	4.5	4.0	3.5	3.5	3.5	3.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.5	4.0	4.0	4.0	4.0	4.0	
SD	3.0	4.0	5.0	4.0	3.5	2.5	3.0	3.0	4.0	4.0	4.5	4.5	4.5	4.5	4.0	4.0	3.0	3.0	3.5	3.5	4.0	2.5	2.5	3.0	3.0	3.0	

WIND SPEED (CC1011

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

BONARIZA, UTAH

SITE 13

FEB, 1980

AEROVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	2.0	3.0	2.5	2.0	2.5	2.5	3.0	2.0	2.5	2.5	2.5	2.5	3.5	3.0	5.0	5.5	4.5	3.0	3.0	2.5	3.0	2.5	3.0	2.0	3.0	5.5
2	2.5	2.0	2.5	2.0	1.5	2.0	2.0	1.5	1.5	2.0	2.0	4.0	4.0	5.0	3.0	2.5	3.0	4.0	2.5	3.0	2.5	2.5	1.5	2.0	2.5	5.0
3	1.5	2.0	2.5	3.0	2.5	2.5	2.5	1.5	2.0	1.5	1.5	3.0	2.5	2.5	3.5	3.5	5.0	3.5	3.0	2.5	3.0	3.0	1.5	3.0	2.5	5.0
4	2.0	1.0	2.0	3.0	1.5	2.5	2.5	2.0	1.5	2.0	2.5	2.5	2.5	4.0	6.0	5.0	2.5	3.0	2.0	2.5	2.5	2.0	2.0	2.0	2.5	6.0
5	2.0	1.5	2.5	2.0	2.0	2.0	1.5	2.0	1.0	2.0	1.0	2.5	2.0	3.5	3.0	4.0	4.0	4.0	3.5	2.5	1.5	2.0	1.5	2.5	2.5	4.0
6	3.5	2.5	2.5	1.5	2.5	1.5	2.0	1.5	1.5	1.0	1.5	4.5	3.0	3.0	4.0	6.0	3.0	3.5	2.0	2.5	3.0	3.0	2.5	2.0	2.5	6.0
7	2.5	1.5	2.0	3.0	2.5	1.5	1.0	2.5	1.0	2.0	3.0	3.0	3.0	3.0	3.5	6.5	3.0	3.5	3.0	2.5	2.5	3.0	4.0	3.0	3.0	9.5
8	4.5	5.5	5.0	2.0	2.0	2.5	1.5	1.5	1.5	3.0	4.0	4.5	6.0	5.0	4.5	2.5	2.0	3.0	6.0	1.5	2.0	2.0	2.5	1.5	3.0	6.0
9	1.0	2.0	1.5	1.5	1.5	1.5	1.5	3.5	3.5	4.0	3.0	3.0	5.5	4.0	4.0	2.5	1.5	1.5	1.5	1.5	2.0	1.5	1.5	2.0	2.5	5.5
10	2.0	1.5	1.5	2.0	1.5	1.5	3.0	3.5	2.0	3.0	5.5	5.5	2.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.5	5.5
11	1.5	2.0	1.5	1.5	2.0	3.0	3.0	3.0	3.5	5.5	5.5	4.5	2.0	1.5	1.5	1.5	1.0	2.0	2.0	1.5	2.0	1.0	1.0	1.5	2.5	5.5
12	1.5	1.5	2.0	2.5	1.5	3.0	3.5	3.0	6.0	5.0	4.5	2.5	1.5	2.5	1.5	1.5	2.0	2.0	2.0	2.5	2.0	1.5	1.5	1.5	2.5	4.0
13	2.0	1.0	1.5	2.5	3.0	3.0	3.0	3.0	4.0	3.5	2.5	1.5	2.0	2.0	1.0	1.5	2.0	2.0	2.5	2.5	2.0	2.0	2.0	2.0	2.5	4.0
14	1.5	2.0	3.0	3.5	3.5	4.0	3.5	3.0	3.5	5.5	2.5	2.5	2.5	2.5	1.5	2.5	2.5	3.5	2.0	1.5	1.5	1.0	1.0	1.0	2.5	5.5
15	1.5	1.0	2.0	3.5	3.0	3.5	4.5	4.5	6.5	5.0	3.5	3.0	2.0	2.0	2.0	2.5	3.0	2.0	2.5	2.5	1.5	2.5	2.0	2.5	3.0	6.5
16	3.0	3.0	2.0	3.0	3.0	2.5	2.0	2.0	3.5	4.5	3.5	2.5	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	2.0	4.5
17	1.5	1.0	3.5	4.0	4.5	5.5	2.5	3.0	3.5	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.5	2.0	4.5	5.0	3.0	2.0	4.0	2.0	2.5	5.5
18	2.5	2.0	6.0	8.0	4.5	4.0	8.5	7.5	4.0	9.0	4.0	9.0	5.0	4.5	4.0	3.0	3.0	2.5	2.5	6.0	6.5	4.5	6.0	2.5	5.0	9.0
19	2.0	2.5	2.5	2.5	7.5	7.5	5.0	9.5	10.0	6.5	3.5	3.5	2.5	2.5	2.5	2.5	1.5	4.0	3.5	6.0	6.0	6.5	5.0	4.0	4.5	10.0
20	2.5	2.5	3.5	8.0	6.0	6.5	5.0	7.5	5.0	5.0	5.0	3.0	1.5	2.5	3.0	3.0	2.0	2.0	1.5	1.5	3.0	2.5	3.5	2.5	4.0	4.0
21	2.0	2.5	2.5	2.5	9.5	7.0	3.5	9.5	6.0	6.5	6.0	6.0	3.5	4.5	3.0	4.0	2.5	2.0	1.5	3.0	2.5	3.0	3.0	3.0	4.5	9.5
22	3.0	3.0	1.5	3.5	7.0	4.5	8.0	6.5	7.0	7.0	6.5	6.5	3.0	2.5	1.5	5.5	4.0	6.5	3.5	4.0	2.0	2.0	5.0	4.0	4.5	6.0
23	3.0	3.0	3.0	2.5	3.0	2.5	9.0	8.5	7.0	5.0	3.5	4.0	5.5	5.0	4.5	6.5	7.0	6.0	6.0	6.0	3.5	2.0	2.5	2.0	5.0	9.0
24	3.5	2.0	2.0	2.5	2.0	4.0	3.0	5.0	5.0	5.0	4.5	3.5	3.0	2.0	2.0	2.0	2.0	1.5	4.0	2.0	1.5	1.5	2.0	2.5	3.0	5.0
25	2.5	1.5	3.0	2.0	2.0	3.0	4.5	4.0	4.0	5.0	4.0	4.5	4.5	5.5	3.0	2.0	2.5	1.5	2.0	2.0	1.5	1.5	2.0	3.0	3.0	5.0
26	2.5	2.5	1.5	2.0	3.0	2.5	4.0	4.0	4.0	3.5	5.5	4.5	3.0	3.5	1.5	1.5	1.5	1.5	2.0	1.5	2.0	2.5	2.0	1.5	2.5	5.5
27	2.0	1.5	1.5	1.5	2.0	2.0	3.0	3.0	4.0	3.5	5.5	4.0	4.0	4.0	2.5	3.0	2.0	1.5	2.0	1.5	1.5	1.5	1.5	2.5	2.5	6.5
28	2.5	2.0	3.0	4.5	5.0	4.5	4.5	4.0	6.0	5.5	5.0	4.0	3.0	3.0	1.5	2.0	6.5	8.5	5.5	5.5	5.5	4.0	6.5	4.0	4.5	4.5
29	5.0	2.5	2.0	3.0	2.5	3.5	4.0	7.0	4.5	4.5	3.5	3.0	4.5	5.0	7.0	6.5	5.5	4.0	5.0	5.5	5.0	5.0	4.5	6.0	4.5	7.0
AV	2.5	2.0	2.5	3.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	3.0	3.5	3.0	3.5	3.0	3.0	3.0	3.0	2.5	2.5	2.5	2.5	3.0	1.1
SD	1.0	1.0	1.0	1.5	2.0	1.5	2.0	2.5	2.0	1.5	1.5	1.5	1.0	1.0	1.5	1.5	2.0	2.0	1.5	2.0	1.5	1.0	1.5	1.0	1.0	1.1

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 13
 MAR. 1960
 AEROMONITORING INC.

WIND SPEED ICC1011
 MILES/HOUR
 LEVEL HEIGHT 10 METERS

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	5.0	5.0	3.5	5.5	4.5	2.5	4.5	4.0	5.0	7.5	5.5	5.5	6.5	4.5	4.5	4.0	2.5	1.5	2.0	1.5	3.0	5.5	3.0	2.0	4.0	7.5	
2	6.0	2.5	2.0	2.5	1.5	2.0	1.5	2.0	2.5	3.0	3.0	4.0	5.0	7.0	5.5	4.0	3.0	2.0	2.5	2.0	2.5	1.5	1.5	2.0	3.0	7.0	
3	1.5	1.0	2.5	2.5	3.0	3.0	2.5	2.0	3.5	3.0	4.5	9.5	13.0	13.0	14.5	12.5	10.0	3.5	5.0	2.0	3.5	6.5	5.0	7.0	5.5	14.5	
4	7.0	6.0	4.0	6.0	2.0	3.0	3.0	2.5	3.0	1.0	2.0	3.0	7.0	10.0	8.0	10.5	11.0	12.5	14.0	12.0	6.0	6.0	5.0	4.5	6.5	14.0	
5	4.0	5.5	2.5	2.5	2.5	2.5	3.0	3.0	2.0	7.5	10.5	11.5	10.5	13.0	14.5	12.0	12.5	11.5	9.5	8.5	10.5	13.5	9.0	8.5	8.0	14.5	
6	7.0	2.0	1.5	3.0	3.0	5.0	2.5	3.0	4.0	4.0	4.5	2.5	2.0	4.0	2.5	4.0	3.0	3.5	2.0	1.5	2.5	1.5	2.5	2.5	5.0	14.0	
7	3.0	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.5	7.5	7.5	6.0	4.5	4.0	5.5	2.0	2.5	2.0	4.0	3.0	3.0	1.5	4.0	7.5	
8	4.0	2.5	3.5	3.0	6.0	6.5	7.0	4.5	2.5	3.0	4.5	7.0	8.5	11.0	9.5	10.0	9.0	7.0	7.5	4.5	4.5	4.0	5.5	5.5	5.5	10.5	
9	4.5	2.5	3.0	3.5	5.5	6.0	3.5	2.5	2.5	2.5	3.5	4.5	5.5	5.5	5.5	5.0	4.5	4.5	3.0	5.0	4.0	3.0	3.5	2.5	6.0	11.0	
10	2.5	5.5	2.0	3.0	1.0	2.5	1.5	1.5	1.5	1.5	2.5	3.0	3.5	2.5	4.0	5.5	8.0	9.5	7.5	7.5	9.0	9.0	11.5	9.5	5.0	11.5	
11	2.5	10.5	13.0	13.0	16.0	20.5	18.0	19.0	16.0	13.5	12.0	14.0	13.0	15.5	13.5	18.0	11.5	10.0	8.0	4.0	4.0	3.5	3.0	6.0	11.5	20.5	
12	5.5	5.0	2.5	4.5	9.0	4.0	2.5	2.5	3.0	3.5	3.5	3.5	4.0	4.5	5.0	7.0	5.0	6.0	4.0	6.0	6.0	6.5	3.5	2.5	4.5	9.0	
13	6.5	2.5	2.5	2.0	1.5	2.0	1.5	2.0	2.5	4.5	4.5	5.0	6.5	7.5	5.0	10.0	11.0	11.5	10.5	6.0	6.0	6.0	3.0	3.0	5.0	11.5	
14	3.5	2.5	2.5	2.0	7.5	2.5	2.5	3.0	2.5	3.0	2.5	5.0	7.5	8.0	5.5	14.0	12.0	11.0	9.5	9.0	2.5	3.0	3.0	13.5	6.5	14.0	
15	2.5	7.0	10.0	12.0	7.5	2.5	2.5	3.0	2.5	3.0	2.5	10.0	11.5	13.0	10.0	10.5	10.5	10.0	9.0	7.0	3.5	2.0	3.0	3.0	5.5	14.0	
16	12.5	11.0	14.0	13.0	10.5	8.0	6.5	4.5	5.0	6.5	10.0	10.0	11.5	13.0	10.0	10.5	10.5	10.0	9.0	7.0	3.5	2.0	3.0	3.0	5.5	14.0	
17	3.0	3.0	7.0	8.5	7.0	3.0	2.5	3.0	3.0	4.0	4.5	5.5	6.0	8.5	7.5	6.5	6.0	7.0	6.0	8.0	8.5	5.0	3.0	3.5	5.5	8.5	
18	2.5	3.0	1.5	5.0	2.0	1.5	1.5	1.5	3.0	3.5	6.0	6.5	6.5	7.5	7.5	6.0	6.5	2.5	2.0	2.5	5.5	6.0	7.5	2.5	4.0	7.5	
19	2.0	2.5	2.0	2.0	2.5	3.0	2.5	2.5	4.5	7.5	9.0	10.0	12.0	11.5	9.5	10.5	10.5	10.5	8.5	3.0	2.5	2.5	2.0	2.0	5.5	12.0	
20	3.0	3.0	1.5	2.5	4.0	2.5	4.5	3.0	3.5	4.5	4.5	5.5	5.5	7.0	5.0	6.5	9.5	9.0	9.5	7.5	9.0	3.0	3.0	3.0	5.0	9.5	
21	2.5	2.0	2.5	3.0	2.0	2.5	1.5	8.0	15.5	18.5	16.5	15.0	16.0	18.0	14.5	15.0	9.5	7.0	5.0	3.5	8.0	9.0	9.0	5.0	8.5	14.5	
22	5.0	3.0	3.0	3.0	2.0	2.5	3.0	5.0	4.5	3.5	7.5	10.5	13.0	10.5	10.5	9.5	8.5	5.5	4.0	2.5	2.5	2.0	1.5	3.5	5.5	13.0	
23	4.0	4.5	3.0	2.5	1.5	2.5	3.0	1.5	3.5	5.5	5.5	5.5	5.5	6.5	6.0	5.0	4.5	2.5	2.5	5.0	5.5	5.0	2.5	2.5	6.0	6.5	
24	3.5	4.5	7.0	3.0	2.5	4.5	2.5	2.5	3.0	4.5	6.5	10.0	12.5	12.0	10.5	11.5	8.0	10.5	7.0	9.5	5.0	3.5	3.0	2.0	4.0	12.5	
25	2.0	2.5	3.0	3.0	3.0	2.5	1.5	2.0	3.5	4.0	5.0	2.5	3.0	2.5	2.5	2.5	2.5	3.0	5.5	3.5	3.5	3.0	4.5	3.0	4.0	9.5	
26	5.0	2.5	3.0	1.5	3.0	2.5	1.5	2.0	2.0	3.0	2.0	3.5	3.5	4.0	4.5	4.5	5.5	7.0	6.0	6.0	9.5	7.5	2.5	6.0	4.0	9.5	
27	7.5	3.5	3.5	4.0	4.0	8.0	7.0	5.0	3.5	3.5	2.5	4.0	5.0	5.5	6.0	6.5	10.0	11.5	6.0	4.0	7.0	5.0	2.5	2.5	5.0	11.5	
28	2.0	3.0	3.5	4.5	3.0	2.0	1.0	2.5	2.5	3.0	6.5	12.0	13.5	13.5	12.5	12.5	10.0	8.5	5.0	4.0	4.0	3.0	3.0	2.0	6.0	13.5	
29	2.0	3.0	3.0	2.5	2.0	2.5	1.5	2.0	2.0	3.0	3.0	4.0	4.5	4.5	4.5	5.5	4.0	3.5	4.0	5.5	4.0	5.5	7.5	4.0	3.5	7.5	
30	6.0	5.5	4.0	2.5	3.0	3.0	2.5	3.5	4.0	4.0	5.0	4.5	6.5	17.5	13.0	17.0	8.0	6.0	6.0	8.0	5.5	7.5	3.0	3.5	6.5	17.5	
31	4.5	4.0	6.5	6.5	8.5	7.5	7.0	4.0	3.0	3.0	3.5	3.5	4.5	5.0	5.5	5.0	4.0	3.0	2.5	4.0	3.0	2.5	6.0	9.0	5.0	9.0	
AV	4.5	4.0	4.0	5.0	4.5	4.0	3.5	4.0	4.0	4.5	5.5	6.5	8.0	8.5	8.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	4.0	4.5	5.5	11.5	
SD	2.5	2.0	3.0	3.5	3.5	3.5	3.5	3.5	3.0	3.5	3.0	3.5	4.0	4.0	4.0	3.5	3.5	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.0	2.0	11.5

ABOUT (29 JAN 81)

WIND SPEED (CC101)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT. #139

BONANZA, UTAH

SITE 13

APR, 1980

AEROENVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9.0	6.0	6.0	3.5	2.0	4.5	4.0	3.0	4.5	5.0	5.5	5.5	3.5	6.0	5.0	5.0	4.5	3.5	4.0	3.5	8.0	9.5	10.0	5.5	10.0		
2	5.5	5.0	2.5	3.0	5.5	5.0	5.5	3.0	3.5	3.5	7.5	6.0	8.0	5.0	5.0	6.5	5.0	4.0	2.5	3.0	3.5	8.0	8.0	7.0	5.0	8.0	
3	9.5	7.0	4.0	6.5	7.5	5.0	4.0	3.0	4.5	4.5	4.0	5.0	4.5	5.0	3.5	4.0	3.0	3.0	3.0	3.5	2.5	2.5	1.0	2.0	4.5	9.5	
4	1.5	1.5	2.0	2.5	2.0	1.0	2.5	3.0	4.0	4.0	4.0	4.0	5.0	6.0	5.0	4.5	5.5	10.0	6.0	6.0	5.0	5.0	2.0	5.5	4.0	10.0	
5	4.0	2.5	1.5	2.5	1.5	2.5	3.0	2.5	4.5	5.0	7.0	11.5	14.0	13.5	12.0	8.0	12.0	7.5	4.0	4.5	4.5	3.0	7.0	6.0	14.0		
6	10.0	11.5	8.0	7.0	5.5	5.0	4.5	5.0	8.0	15.5	14.0	16.5	20.5	23.5	22.0	17.0	9.5	3.0	4.5	8.0	3.0	5.0	8.0	10.0	23.5		
7	12.0	5.5	6.0	10.0	12.0	14.5	15.0	14.5	17.5	18.5	22.5	15.5	13.0	14.0	19.5	17.0	15.5	14.0	9.0	5.5	3.0	5.0	11.5	4.5	12.5	22.5	
8	2.5	1.5	3.0	1.5	1.5	2.5	3.0	4.0	3.5	5.0	6.5	8.0	6.5	5.5	3.5	3.0	3.5	3.0	7.5	5.0	4.0	4.5	3.0	2.0	4.0	8.0	
9	2.0	1.5	1.5	2.0	2.0	3.0	3.0	4.5	6.0	6.5	10.5	13.0	12.0	13.0	12.0	6.5	6.5	5.0	3.0	3.0	3.0	2.5	2.0	3.0	5.0	13.0	
10	2.5	3.0	5.5	8.5	14.0	13.5	12.0	10.0	14.5	17.0	21.5	23.0	19.5	22.0	20.0	19.0	15.0	11.5	4.0	6.5	3.5	2.5	3.0	3.0	11.5	23.0	
11	2.5	1.5	3.0	2.5	2.5	5.0	9.0	14.0	14.0	13.5	17.0	14.5	18.5	15.5	14.0	9.5	11.5	9.0	9.5	9.5	5.5	3.0	2.0	2.5	8.5	18.5	
12	2.5	1.5	2.0	2.5	2.5	5.0	5.5	5.5	5.0	5.0	4.0	4.5	5.5	3.5	3.0	2.5	5.0	7.5	6.5	2.5	2.0	3.0	3.0	2.5	4.0	12.0	
13	2.0	2.0	3.0	2.0	3.0	4.0	4.0	4.0	5.0	7.0	8.5	9.0	9.5	12.0	12.0	11.0	10.0	8.5	7.0	4.0	3.0	3.0	3.0	1.5	2.5	3.5	7.5
14	2.5	1.5	2.0	2.5	2.5	3.0	4.0	4.0	4.5	5.0	7.0	6.5	4.5	3.5	2.5	2.5	7.0	6.5	4.0	6.0	4.5	6.5	5.0	2.0	4.0	7.0	
15	2.5	2.0	2.0	2.5	3.0	4.0	4.5	5.5	9.0	10.0	11.0	12.0	12.0	16.5	16.0	13.5	16.0	11.5	6.5	4.0	4.5	6.5	4.0	3.0	7.5	16.5	
16	4.5	3.0	4.0	11.0	5.0	3.5	4.5	5.0	4.5	7.0	8.5	7.5	4.5	5.0	4.5	4.0	7.0	5.5	6.0	6.0	3.5	2.5	2.5	3.0	5.0	11.0	
17	2.5	2.0	1.5	3.0	3.0	4.0	4.0	6.0	5.0	4.5	5.0	5.5	4.5	2.5	3.0	3.0	6.5	5.0	4.0	3.0	3.0	3.0	2.0	3.0	3.5	6.5	
18	2.5	1.5	2.0	2.0	2.5	2.5	3.0	4.5	7.5	5.5	6.5	8.0	9.5	8.5	6.5	5.5	6.5	9.5	6.5	7.5	6.5	2.5	3.0	2.5	5.0	9.5	
19	2.5	2.5	1.5	2.5	2.5	3.0	4.0	3.5	6.0	6.0	9.0	4.0	6.0	11.0	7.0	4.5	9.5	9.0	6.5	6.0	3.0	2.5	4.0	2.5	5.0	11.0	
20	2.0	2.0	2.0	2.0	3.0	3.5	4.5	4.5	6.5	8.5	13.5	12.0	11.5	11.5	6.5	7.5	11.5	14.0	11.5	12.5	13.0	11.5	13.0	14.0	4.5	14.0	
21	14.5	12.5	13.0	10.0	12.5	12.0	13.0	9.0	7.0	7.0	8.0	7.0	5.5	5.5	13.5	7.5	3.0	3.5	2.5	2.0	2.0	2.5	3.0	2.0	7.5	14.5	
22	2.5	2.5	3.0	2.0	2.5	3.0	4.0	5.0	7.5	7.5	13.0	9.5	11.5	13.5	7.5	5.5	3.5	6.0	4.5	6.5	6.0	4.0	7.5	6.0	6.0	13.5	
23	5.5	2.5	3.0	3.0	3.5	6.0	6.5	11.0	14.5	6.5	10.0	10.0	9.0	4.0	2.5	2.5	4.0	5.0	5.0	7.0	5.5	2.5	3.5	6.0	14.5		
24	2.0	2.0	2.0	2.5	2.5	4.5	4.5	5.0	5.5	7.5	3.5	3.0	6.0	6.5	4.5	5.0	4.5	5.0	4.5	5.0	3.5	3.5	2.5	5.0	6.0	6.5	
25	3.5	2.5	3.0	2.5	2.5	4.0	7.0	6.5	14.5	7.5	6.5	8.5	8.5	9.5	10.0	9.5	9.0	7.0	7.5	4.0	4.5	2.5	2.5	4.0	6.5	6.5	
26	3.0	5.5	3.0	4.5	2.0	3.5	4.0	5.0	6.0	5.5	5.5	5.0	5.0	6.0	6.0	6.0	5.0	3.5	6.5	7.0	4.0	3.5	2.5	5.0	6.0	14.5	
27	4.5	2.5	2.0	1.5	2.0	3.0	3.0	3.5	4.0	4.5	5.5	5.0	7.0	5.5	5.0	3.0	3.0	3.0	3.0	6.0	6.0	2.5	4.5	5.5	4.0	7.0	
28	5.5	2.0	2.5	1.5	2.0	2.0	3.0	3.5	6.0	6.0	8.5	10.5	9.0	10.5	7.5	3.0	2.5	5.0	8.5	7.5	4.5	3.5	6.0	4.0	10.5	10.5	
29	5.0	3.0	3.0	2.5	5.0	3.0	3.5	3.5	7.5	10.0	10.0	10.0	12.0	14.5	5.5	6.5	6.0	4.5	6.0	4.5	4.5	5.5	3.5	4.0	6.0	14.5	
30	4.5	2.5	2.5	3.0	2.0	2.5	2.0	2.5	3.5	5.0	6.0	7.5	5.0	3.0	5.0	2.5	4.0	7.0	4.0	4.0	3.5	4.5	7.0	2.5	4.0	7.5	
AV	4.5	3.5	3.5	4.0	4.0	4.5	5.0	5.0	6.5	7.0	8.5	9.0	9.0	9.5	9.0	8.0	7.0	7.0	6.0	5.5	4.5	4.5	4.5	4.5	6.0	6.0	
80	3.0	2.5	2.5	2.5	3.0	1.0	3.0	2.5	4.0	4.0	4.5	4.5	4.0	5.5	5.5	4.0	4.0	3.5	2.0	2.5	2.0	2.0	3.0	2.5	2.0	3.0	

WIND SPEED (CC801)

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13
MAY, 1980
AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	5.0	4.5	3.5	3.5	3.5	4.0	2.5	3.0	5.0	7.0	8.0	6.0	7.0	6.5	7.0	6.5	5.0	5.0	5.5	3.0	4.5	5.0	4.0	4.0	5.0	12.0
2	3.0	2.0	2.5	3.0	3.0	2.0	2.5	2.0	2.5	3.0	4.0	5.0	9.5	12.0	11.5	9.5	12.5	10.5	8.0	4.5	4.0	4.5	6.0	5.0	5.5	10.5
3	2.5	2.5	1.5	2.0	5.0	3.5	4.0	2.0	3.0	3.5	3.5	4.0	4.5	6.5	7.0	4.5	7.0	6.0	6.5	8.0	10.5	6.0	6.0	6.0	5.0	10.5
4	3.5	6.5	3.0	2.5	2.0	2.5	2.0	1.5	2.5	3.5	3.5	3.5	4.5	6.0	8.0	9.5	7.0	7.5	8.5	7.5	9.0	6.5	9.5	9.5	5.5	9.5
5	12.5	5.5	2.5	2.5	2.5	4.5	5.0	6.0	3.0	3.0	3.5	3.5	3.5	6.0	7.5	8.5	8.5	7.0	6.5	4.0	3.5	4.0	5.5	5.5	5.0	12.5
6	4.0	4.5	4.5	6.5	6.5	2.5	2.0	2.0	2.5	3.0	3.0	3.5	5.0	6.0	10.0	11.0	9.5	10.5	8.0	6.5	3.5	3.5	5.0	3.5	5.5	11.0
7	3.0	2.5	2.0	2.5	2.5	2.0	2.5	2.0	3.0	3.0	4.5	9.5	11.0	14.0	11.0	8.0	6.5	5.5	11.5	10.0	3.5	4.0	4.0	4.5	5.5	14.0
8	3.0	2.5	3.5	1.5	2.0	1.5	2.0	1.5	3.0	3.5	4.0	4.5	6.0	6.0	5.0	4.0	6.0	7.5	13.0	15.5	10.5	11.0	10.5	5.5	5.5	15.5
9	2.5	4.5	5.0	3.0	3.0	3.5	2.0	3.0	3.0	11.5	16.5	16.0	12.5	12.0	16.0	11.0	4.5	4.0	3.0	5.5	2.5	3.0	3.0	3.0	7.0	16.5
10	3.0	2.0	4.5	3.0	3.0	5.0	2.5	2.5	3.0	5.5	11.5	7.5	13.5	15.0	14.5	16.0	19.5	13.5	15.0	11.5	7.0	5.0	5.5	3.5	6.0	19.5
11	2.5	2.5	4.0	3.5	5.0	7.0	5.5	3.0	3.0	3.5	4.5	4.0	4.5	4.5	6.5	11.5	8.5	7.5	6.0	4.0	3.5	6.5	10.5	3.5	5.5	11.5
12	3.0	7.5	9.0	8.0	3.0	2.5	4.0	4.5	7.5	10.0	10.0	9.5	11.5	12.0	10.5	9.5	8.5	10.0	5.5	3.5	4.5	4.5	3.0	2.5	7.0	12.0
13	2.5	2.5	3.0	2.5	3.5	3.5	2.5	3.5	4.0	4.5	5.0	6.0	3.5	5.0	3.5	5.5	15.5	9.5	7.0	6.0	7.5	7.5	5.0	7.0	5.0	15.5
14	5.5	5.0	3.0	6.5	2.0	3.5	3.0	3.0	2.5	3.0	4.0	4.0	3.0	3.0	4.0	6.5	8.0	9.0	10.5	6.5	7.0	6.0	5.5	4.0	5.0	10.5
15	4.0	1.5	3.0	6.5	2.0	3.5	3.0	3.0	3.0	4.0	4.0	4.0	5.5	6.0	6.0	7.0	4.5	5.0	3.0	6.5	8.0	6.5	5.0	5.0	4.5	8.0
16	5.5	3.0	2.5	5.0	3.0	5.0	4.5	3.0	3.0	3.5	6.0	5.5	4.5	10.0	7.5	8.5	4.0	9.5	8.5	8.5	12.0	4.5	6.0	6.5	6.0	12.0
17	7.0	7.0	8.0	4.5	9.5	10.0	7.0	6.0	10.0	6.5	3.0	2.5	3.0	4.0	4.0	4.0	4.5	3.0	3.5	3.0	3.0	2.5	2.5	3.5	5.0	10.0
18	6.5	8.0	6.5	6.5	2.5	6.0	3.5	2.5	3.0	3.5	3.0	4.0	5.0	4.5	4.5	5.0	4.0	4.0	4.5	3.0	1.5	2.5	6.0	6.5	4.5	8.5
19	4.0	2.0	3.0	5.0	1.5	1.5	2.5	2.5	3.5	3.5	3.5	5.5	6.5	5.5	4.5	6.0	5.0	4.5	4.5	5.0	4.5	4.0	4.0	4.5	4.0	6.5
20	5.0	3.0	2.5	2.0	4.0	2.0	2.0	2.0	2.5	3.0	2.5	3.0	2.5	5.0	5.0	5.5	4.0	5.0	4.0	4.0	3.5	6.0	7.0	4.0	4.0	7.0
21	3.5	3.0	5.0	2.5	2.5	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	4.0	4.5	4.5	4.5	4.5	5.5	3.5	4.0	3.5	6.0	7.0	4.0	9.0
22	9.0	3.5	4.0	3.0	2.0	1.5	1.0	1.5	3.0	2.5	3.5	3.0	4.0	5.0	6.0	12.0	10.0	11.0	10.0	14.5	14.5	14.5	11.0	4.5	6.5	14.5
23	4.5	9.0	9.0	3.0	6.5	8.0	8.5	10.0	11.5	17.0	14.5	14.5	15.0	14.5	15.5	13.0	12.5	14.0	12.5	15.0	17.0	9.0	6.0	6.5	11.5	17.0
24	12.5	10.5	13.5	11.0	12.0	14.0	13.0	6.0	12.5	21.0	17.5	20.5	21.0	19.0	19.5	18.5	17.0	16.5	15.5	9.5	14.5	18.0	13.0	13.5	15.0	21.0
25	8.5	7.0	5.5	9.0	8.5	5.5	6.5	10.5	10.5	12.0	11.0	13.0	14.5	14.0	15.0	15.0	12.5	9.5	9.0	6.0	5.5	7.0	4.5	4.0	9.5	15.0
26	7.0	3.0	4.5	2.5	1.5	1.5	2.5	3.5	4.0	4.0	5.0	5.5	8.5	11.0	12.5	10.5	12.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6.0	12.5
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
AV	5.0	4.5	4.5	4.5	4.0	4.0	3.5	3.5	4.5	6.0	6.5	6.5	7.5	8.5	8.5	9.0	9.0	8.5	7.5	7.0	7.0	6.5	6.0	5.5	6.0	()
SD	3.0	2.5	2.5	2.5	2.5	3.0	2.5	2.5	3.0	4.5	4.5	4.5	4.5	4.0	4.0	4.5	3.5	3.0	3.5	3.0	4.5	3.5	2.5	2.5	2.5	()

WIND SPEED (CC101)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 JUN, 1980
 AEROSOL ENVIRONMENT INC.

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 *
 * FINAL DATA
 * AS OF 31/MAR/81
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	4.0	3.0	7.0	4.0	4.5	6.5	3.0	4.0	4.0	4.5	5.0	6.5	9.0	11.0	6.5	13.0	8.5	7.0	6.0	12.5	8.5	6.0	8.0	5.5	6.5	13.0	
2	6.0	7.0	6.0	2.0	2.5	2.0	2.0	2.5	3.5	10.5	12.5	11.5	12.5	12.0	13.5	14.5	14.5	16.0	16.0	13.5	13.0	6.5	6.5	6.5	9.0	16.0	
3	9.5	7.0	6.5	9.0	4.0	6.0	6.0	7.0	8.0	14.0	15.0	15.0	15.0	17.0	15.5	14.5	14.5	14.0	14.0	14.0	8.5	6.0	6.0	6.0	10.5	17.0	
4	10.5	7.5	6.0	9.0	9.0	8.5	7.5	4.5	7.5	14.0	10.5	14.0	14.5	11.0	16.0	17.0	17.5	14.5	12.0	12.0	9.0	9.5	10.0	9.5	11.5	17.5	
5	6.5	6.5	7.5	3.5	9.0	2.5	2.5	4.5	3.0	4.0	4.5	9.5	13.5	14.0	14.0	17.0	16.5	16.0	13.5	13.5	9.5	10.5	9.0	9.5	17.0	17.0	
6	9.5	5.5	4.0	3.0	2.0	2.5	10.5	13.0	12.0	13.0	15.0	16.5	15.5	17.5	17.0	17.0	18.0	14.5	10.0	7.0	3.0	3.5	3.0	10.5	19.0		
7	4.0	6.0	5.5	3.0	2.5	1.0	2.5	3.5	3.5	6.0	5.0	6.0	6.0	7.5	6.5	6.0	6.0	5.5	2.5	3.0	8.0	7.0	8.0	5.0	8.0	8.0	
8	5.5	2.5	2.5	3.0	1.5	4.0	2.5	3.0	3.0	4.0	4.0	4.5	6.5	6.5	7.5	7.0	5.0	7.0	5.0	3.0	4.0	4.5	6.5	3.5	4.5	7.5	
9	3.0	1.5	2.5	3.0	2.0	2.0	2.5	3.0	3.5	5.0	4.5	5.5	5.0	7.0	7.0	5.5	4.5	4.5	3.5	6.5	7.0	6.5	8.0	6.0	4.5	8.5	
10	6.0	2.5	3.0	2.5	3.5	1.5	2.0	3.5	3.0	3.5	4.0	6.5	12.5	12.5	14.0	12.0	10.5	10.5	10.0	7.0	9.0	8.0	6.0	3.5	6.5	14.0	
11	3.0	2.5	2.5	2.5	1.5	2.5	2.5	4.0	4.0	11.5	12.5	10.5	15.0	14.0	16.0	15.5	12.0	13.5	11.5	9.5	12.0	13.5	13.0	10.0	9.0	16.0	
12	8.5	9.5	6.5	3.5	4.0	2.5	3.0	9.0	11.5	12.5	14.0	13.5	14.5	16.0	16.0	15.5	15.0	15.5	14.5	10.5	10.0	8.0	3.0	2.0	10.0	16.0	
13	2.5	7.5	4.5	3.0	1.5	2.0	1.5	2.5	2.5	4.0	13.5	14.5	15.0	14.0	13.5	14.5	13.0	14.0	12.5	9.5	9.5	12.5	9.0	3.0	8.5	15.0	
14	2.0	3.5	2.5	1.5	2.0	4.0	3.5	3.0	7.5	11.5	14.0	16.0	16.0	14.5	16.0	16.5	13.0	15.5	14.0	13.0	17.0	10.5	9.0	5.5	9.5	17.0	
15	5.5	4.0	3.0	4.0	5.0	4.5	4.0	2.5	5.5	6.0	6.5	6.0	6.5	9.0	10.5	10.5	9.5	9.5	7.5	5.5	4.0	5.0	2.0	3.0	6.0	11.5	
16	4.5	2.5	2.5	2.0	2.0	1.5	2.0	5.0	3.5	6.0	6.5	5.5	5.5	7.0	7.5	5.5	6.0	4.5	2.5	2.5	7.5	6.5	5.5	4.5	4.5	8.5	
17	2.5	4.5	2.5	1.5	2.0	2.5	2.5	2.5	4.0	4.0	4.5	5.0	6.5	7.0	7.0	7.0	4.0	2.5	2.0	2.5	4.5	7.5	8.5	7.5	4.5	8.5	
18	2.0	2.0	2.5	2.0	2.5	1.5	3.0	2.5	3.5	3.5	6.5	7.0	5.5	4.5	6.5	9.0	5.5	7.0	6.0	5.0	9.5	6.0	2.5	7.0	5.0	9.5	
19	4.5	4.0	3.0	4.5	6.0	5.5	5.0	3.5	5.0	5.0	4.5	8.0	9.5	14.5	17.5	13.0	7.5	6.0	3.0	2.5	8.0	7.0	5.0	4.5	6.5	17.5	
20	3.5	3.5	5.5	2.5	2.5	2.0	3.0	2.5	3.0	4.5	4.5	6.0	5.0	10.0	11.5	9.5	6.0	9.5	9.5	9.5	9.0	10.0	5.5	3.0	6.0	11.5	
21	4.0	4.0	2.5	2.5	2.5	2.5	2.5	3.0	4.5	4.5	6.0	8.5	11.0	13.5	12.5	13.0	11.5	12.0	7.0	5.0	4.0	4.5	4.5	5.0	6.5	13.5	
22	2.5	2.0	2.0	2.5	2.0	3.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.5	11.5	10.5	9.5	10.0	6.0	8.0	11.0	11.0	6.0	4.5	6.0	13.5	
23	10.0	10.5	10.0	5.0	5.5	13.5	10.5	15.0	17.0	14.5	15.5	16.5	17.5	21.5	20.5	19.0	15.5	13.5	10.5	9.5	9.5	9.0	2.5	2.0	12.5	21.5	
24	6.0	4.0	3.0	2.5	3.0	2.0	2.5	2.5	3.0	3.5	4.5	11.5	13.0	13.0	13.0	12.0	12.5	12.5	13.5	9.0	10.5	8.0	13.0	11.5	8.0	13.5	
25	5.0	3.0	2.0	3.0	2.0	1.5	2.0	2.5	3.5	4.0	11.0	12.5	5.0	13.0	10.0	13.0	14.0	15.5	14.0	13.0	9.5	7.5	6.5	16.5	6.0	16.5	
26	3.5	2.0	2.5	2.0	2.0	4.5	3.0	3.0	10.5	14.0	15.0	16.5	15.5	16.0	15.5	15.0	15.5	12.5	10.5	13.0	9.5	8.0	7.5	10.0	17.5	17.5	
27	9.0	13.0	9.5	16.5	7.5	8.5	6.0	6.5	5.5	7.0	5.0	10.0	9.5	12.5	12.5	12.0	15.0	12.5	13.0	6.5	4.0	2.0	2.5	4.0	9.0	16.5	
28	6.5	7.5	3.5	7.0	2.5	4.0	3.5	3.5	5.5	4.0	4.5	6.0	7.5	6.0	6.0	5.5	4.0	3.0	3.5	9.0	9.0	3.0	2.5	6.5	5.0	9.0	
29	4.0	2.5	2.5	5.5	6.5	5.0	4.5	4.0	5.5	6.5	11.0	10.0	9.0	7.0	7.0	10.5	15.0	10.5	3.0	9.0	4.0	5.0	6.5	2.5	6.5	15.0	
30	2.5	2.5	3.0	2.0	2.5	5.0	4.0	3.5	8.0	7.5	9.5	9.0	7.0	6.5	6.5	6.5	6.5	5.0	2.5	12.5	7.0	8.5	6.5	6.0	6.0	12.5	
AV	5.5	5.0	4.5	4.0	3.5	4.0	4.0	4.5	5.5	7.5	6.5	10.0	10.5	11.5	12.0	12.0	11.0	11.0	9.5	8.5	7.5	6.5	6.0	7.5	6.0	7.5	11
SD	2.5	3.0	2.5	3.0	2.0	2.5	2.5	2.5	3.0	4.0	4.5	4.0	4.0	3.5	4.0	3.5	4.5	4.5	4.0	4.0	3.5	2.5	3.0	3.0	2.0	2.0	11

WIND SPEED (CC101)

MILES/HOUR
LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.#139
BONANZA, UTAH
SITE 13
JUL, 1980
AEROENVIRONMENT INC.

* FJNAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	3.0	4.0	5.5	6.5	3.5	2.0	2.0	4.5	4.0	6.0	6.0	4.5	3.5	6.0	7.5	13.0	5.5	6.5	13.0	12.5	7.5	7.5	5.0	5.0	6.0	13.0	
2	4.5	2.5	2.0	3.0	4.0	2.5	4.0	3.5	2.5	2.5	3.5	7.5	11.5	7.0	5.0	4.5	3.5	3.5	10.0	11.5	9.0	11.0	11.5	5.5	5.5	11.5	
3	7.5	2.5	4.0	5.0	3.0	2.0	2.5	3.0	4.5	5.0	5.0	5.5	14.5	3.5	4.5	10.5	8.0	8.5	5.0	4.0	6.0	4.0	3.5	6.0	5.5	14.5	
4	5.0	3.5	10.0	10.0	3.0	6.0	5.0	4.5	4.5	5.0	4.5	5.5	8.0	6.0	7.0	6.0	5.5	6.0	5.5	3.5	8.0	8.0	8.5	6.5	6.0	10.0	
5	3.5	2.5	1.5	2.5	1.5	1.5	2.5	2.5	4.0	4.5	5.5	12.5	13.0	14.0	14.0	13.0	10.5	6.0	7.0	11.5	12.0	8.5	6.0	7.0	14.0		
6	6.0	3.0	2.0	1.5	1.5	1.0	2.5	1.5	3.5	4.0	4.0	6.0	7.5	10.0	10.0	10.0	13.5	13.5	7.0	5.0	4.0	3.0	6.5	3.5	5.5	13.5	
7	7.5	4.0	6.5	4.0	3.0	5.0	2.5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	4.5	7.5	
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
17	5.5	8.5	7.5	3.0	1.5	3.0	2.5	2.5	3.0	3.5	4.5	5.0	5.5	7.0	9.5	6.0	6.5	7.0	4.0	3.0	3.0	6.5	5.5	5.5	5.5	9.5	
18	4.5	5.5	4.0	2.0	2.0	2.5	4.0	3.0	3.5	3.5	4.5	7.0	6.0	7.0	8.0	9.0	11.5	18.5	11.5	10.0	8.0	4.0	2.5	6.5	6.5	14.5	
19	3.5	7.5	4.0	2.5	3.0	3.0	2.5	2.0	4.0	5.5	5.0	9.0	9.5	11.5	13.0	11.5	12.5	10.0	9.5	10.0	8.5	7.5	3.5	4.0	7.0	13.0	
20	3.0	2.5	3.0	2.5	3.0	3.0	2.5	3.0	2.5	4.5	3.5	4.0	5.0	7.5	9.0	8.0	9.0	8.0	5.0	4.0	3.5	2.5	3.0	2.5	4.5	9.0	
21	3.5	6.0	2.5	2.5	2.0	1.5	2.0	1.5	4.5	5.5	5.0	6.5	6.0	6.0	9.0	9.5	10.0	7.0	8.0	3.5	2.5	2.0	3.0	2.5	4.0	5.0	10.0
22	3.5	8.0	7.0	4.5	5.0	3.0	2.5	2.5	3.0	4.0	4.5	5.5	8.5	11.0	10.5	10.0	11.0	9.0	7.5	7.0	5.5	4.5	3.0	5.5	6.0	11.0	
23	4.5	6.0	5.5	3.0	3.0	3.0	3.5	3.5	5.0	3.5	4.0	4.5	7.5	6.5	9.5	16.0	7.5	6.5	5.5	3.5	3.0	3.5	5.5	2.5	5.5	16.0	
24	3.0	3.5	3.5	2.5	3.0	3.0	2.0	3.0	3.0	3.0	3.5	5.5	6.0	7.0	8.5	9.0	6.5	5.5	13.5	10.5	9.0	4.5	4.5	2.5	5.0	13.5	
25	3.0	2.0	2.0	3.0	2.0	3.0	5.5	3.5	4.5	3.0	4.5	5.5	6.0	7.5	9.0	11.5	7.5	6.0	4.5	5.5	4.0	9.5	16.0	3.5	5.5	16.0	
26	3.5	6.0	6.5	6.0	3.5	5.5	2.0	3.0	2.5	4.0	4.5	4.0	4.5	7.5	9.0	8.5	9.0	8.0	8.5	7.5	10.5	9.0	4.5	6.5	6.0	10.5	
27	6.5	6.0	4.5	2.5	2.5	3.0	2.0	2.5	3.5	3.0	2.5	4.0	6.0	5.5	7.0	6.0	4.5	7.0	4.5	3.0	3.0	2.0	8.0	5.0	4.5	4.0	
28	4.0	3.0	3.0	2.0	3.5	2.5	3.0	3.0	4.0	4.5	4.0	4.5	6.0	7.0	8.5	9.0	7.5	6.0	5.0	2.5	2.0	6.5	10.0	7.5	5.0	10.0	
29	4.5	2.5	2.5	1.5	2.5	3.0	4.0	3.0	4.0	4.0	5.5	7.0	14.0	11.5	10.0	7.5	11.0	11.0	8.5	4.5	5.0	7.0	4.0	6.5	5.5	14.0	
30	5.0	2.0	2.5	3.5	2.5	2.5	3.5	2.5	3.0	.5	5.0	5.5	9.0	7.0	9.5	9.0	8.5	8.0	6.5	6.0	4.0	5.0	3.0	6.0	5.0	9.5	
31	4.0	2.5	4.5	4.5	5.5	5.5	2.5	1.5	3.0	4.0	4.0	4.5	5.5	6.0	6.0	6.5	6.0	10.0	4.5	7.0	4.0	4.0	2.0	.5	5.0	10.0	
AV	4.5	4.5	4.5	3.5	3.0	3.0	3.0	3.5	4.0	4.5	5.5	7.5	7.5	8.0	9.0	9.5	8.5	8.0	7.5	6.5	6.0	6.0	6.0	5.0	5.5	()	
SD	1.5	2.0	2.0	2.0	1.0	1.5	1.0	1.0	.5	1.0	1.0	1.0	2.5	2.5	2.0	3.0	2.5	2.5	2.5	3.0	2.5	3.0	3.5	1.5	.5	()	

WIND SPEED (CC1011

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT #139

BONANZA, UTAH

SITE 13

AUG. 1980

AERODIVIRONMENT INC.

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* FINAL DATA *
* AS OF 31/MAR/81 *
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CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	2.5	3.0	1.5	3.0	2.5	4.0	3.0	5.0	3.0	3.0	2.5	3.5	5.0	3.5	7.5	8.5	9.0	10.0	14.0	9.5	4.5	4.0	9.0	4.5	5.5	19.0	
2	4.5	4.0	6.0	3.0	2.5	2.0	1.5	2.0	2.0	3.5	4.5	3.0	4.5	7.5	11.0	10.0	9.0	7.0	9.0	12.5	10.0	5.0	3.5	2.5	5.5	19.5	
3	2.0	3.5	2.5	6.0	5.5	2.5	2.5	6.0	3.5	2.5	2.5	5.0	9.0	15.5	22.0	20.5	19.0	21.5	20.5	20.0	18.5	12.0	9.5	8.5	10.0	22.0	
4	4.0	9.0	6.5	3.5	5.0	6.0	3.0	2.0	3.5	3.5	4.5	5.5	8.5	10.0	10.5	10.0	9.0	9.5	10.5	12.5	10.5	8.5	6.0	4.5	7.0	12.5	
5	7.0	9.0	7.0	4.5	2.5	2.5	2.0	2.0	3.0	3.0	4.0	4.0	6.0	6.5	7.5	6.0	5.0	12.0	12.0	10.5	10.0	5.0	6.0	9.0	6.5	12.0	
6	9.5	4.0	5.5	7.0	5.0	3.0	3.5	2.5	2.5	3.5	7.0	7.0	14.0	15.0	13.0	11.5	8.5	9.0	6.5	4.0	7.5	8.5	3.0	2.5	7.0	15.0	
7	2.5	3.5	6.0	2.5	2.5	3.0	2.5	4.0	6.0	5.5	5.5	6.0	8.0	7.5	7.5	5.0	6.5	4.0	4.0	5.5	7.5	6.0	6.0	7.5	5.0	4.0	
8	7.0	4.0	2.5	3.0	2.5	2.5	3.0	4.0	4.0	5.0	5.0	6.5	8.5	12.0	13.5	10.0	7.0	7.0	3.0	2.0	4.0	3.0	4.5	7.0	5.0	13.5	
9	12.5	10.5	4.0	2.5	2.5	5.0	9.5	11.0	10.0	8.5	10.0	9.5	12.5	11.5	14.5	11.5	9.5	9.5	3.5	2.0	3.0	4.5	4.5	5.0	7.5	14.5	
10	3.0	2.5	3.5	2.5	3.0	2.5	3.0	3.0	3.0	3.5	5.0	4.5	5.0	5.5	5.5	6.5	4.5	5.0	3.0	2.5	5.0	3.5	7.0	6.0	6.5	13.0	
11	2.0	1.5	1.5	2.5	2.0	2.5	2.5	5.0	3.0	4.0	4.0	4.5	5.0	5.5	5.5	6.5	4.5	5.0	3.0	2.5	7.0	7.0	2.0	3.0	4.0	7.0	
12	2.5	3.0	4.0	3.0	3.0	3.0	3.0	5.0	7.5	10.0	6.5	8.0	10.0	9.5	6.0	6.5	10.5	7.0	7.5	12.0	13.0	10.0	3.5	6.5	6.5	13.0	
13	2.5	2.0	2.5	4.0	5.0	2.0	3.0	3.0	3.0	5.5	6.0	7.5	7.5	10.5	12.0	11.0	8.0	11.0	9.5	10.0	10.0	6.0	4.0	4.0	6.5	12.0	
14	3.5	4.5	3.0	3.0	4.0	2.5	4.5	3.5	4.5	5.0	5.5	7.0	5.5	7.5	10.0	9.5	7.5	7.5	13.0	12.0	8.5	5.0	5.0	4.0	6.0	13.0	
15	4.5	3.0	4.5	10.0	10.0	6.0	3.5	2.5	3.5	4.0	5.0	9.5	12.0	12.5	12.5	11.5	14.0	8.5	7.5	11.0	12.5	7.5	9.0	3.0	7.5	14.0	
16	5.0	4.5	2.5	2.5	3.0	1.5	2.5	2.5	3.5	4.5	5.0	6.5	7.5	9.5	9.0	8.0	5.5	5.0	4.5	4.5	6.0	5.5	3.5	4.0	5.0	9.5	
17	4.5	5.5	2.5	3.5	2.5	3.0	3.0	2.0	3.0	3.0	4.5	4.0	4.5	5.0	9.0	7.0	4.5	6.0	4.0	5.5	3.5	5.0	5.5	6.5	4.5	9.0	
18	7.0	2.5	4.5	3.0	2.0	2.5	1.5	2.5	6.0	12.0	16.0	14.5	16.0	17.0	16.0	19.0	18.0	14.5	12.0	10.0	11.5	10.0	11.0	9.5	10.0	18.0	
19	9.0	6.0	9.0	12.5	10.0	9.5	10.5	13.0	17.0	15.0	15.0	18.0	13.0	17.5	15.5	9.5	10.0	16.5	4.5	5.5	4.0	6.5	3.0	2.5	11.0	18.0	
20	3.0	3.0	6.0	5.5	6.0	7.5	4.0	3.0	4.5	4.0	6.0	6.5	8.0	9.5	5.5	5.0	4.5	3.5	4.0	4.5	6.0	3.0	5.5	7.5	5.0	9.5	
21	5.0	6.5	5.0	3.0	2.0	1.5	4.0	3.0	4.5	4.0	6.0	5.0	5.5	5.5	5.0	4.5	5.0	6.0	4.5	4.5	6.0	5.5	3.0	5.5	4.5	9.0	
22	4.5	3.0	4.0	4.0	2.0	1.5	3.0	3.5	4.0	4.5	3.5	5.0	5.5	5.5	7.5	7.0	4.5	4.0	3.5	6.0	7.0	10.0	6.0	2.0	4.5	10.0	
23	6.0	7.5	6.0	6.0	6.5	3.0	2.5	4.0	10.5	12.0	12.5	9.5	13.5	12.0	14.5	8.0	6.0	4.5	15.0	11.0	12.0	15.0	7.5	5.0	9.0	15.0	
24	2.0	1.5	2.5	2.5	6.5	9.0	3.5	3.0	3.0	5.5	5.5	6.5	5.5	5.5	7.0	7.5	6.0	4.5	15.0	11.0	12.0	15.0	7.5	5.0	9.0	15.0	
25	3.5	5.5	5.5	6.0	4.0	4.0	2.5	3.5	4.5	3.5	5.0	15.0	7.0	5.0	4.0	8.0	7.0	3.5	3.0	3.0	2.5	7.0	12.0	9.5	5.5	12.0	
26	2.5	3.0	2.5	2.0	2.5	5.0	3.0	3.0	3.5	3.0	3.5	3.5	4.0	4.0	5.5	10.0	9.0	5.5	9.5	5.5	3.0	5.0	4.0	3.5	5.0	15.0	
27	3.0	3.5	3.0	1.5	2.5	3.0	3.0	2.5	3.0	3.5	3.0	3.5	4.0	4.5	11.5	12.5	10.5	9.5	7.0	5.0	6.5	2.5	3.5	4.0	2.5	9.0	10.0
28	5.5	3.0	2.5	2.5	2.0	2.0	2.5	3.5	2.5	4.0	4.0	4.0	15.0	17.5	15.5	14.5	14.5	18.0	9.5	10.0	10.0	9.0	9.0	11.0	6.0	17.5	
29	11.0	4.5	6.0	9.0	7.5	3.0	4.5	7.0	4.5	7.5	10.0	10.0	10.0	13.5	14.5	13.5	10.5	11.0	9.5	8.5	6.5	7.5	3.5	3.0	3.5	4.5	14.5
30	4.5	3.0	3.5	3.0	2.0	3.0	3.5	3.0	2.5	2.5	3.0	5.0	8.0	5.0	8.0	14.5	13.0	12.5	15.0	12.0	6.0	2.5	2.5	2.5	4.0	15.0	
31	5.5	3.0	3.5	5.5	6.0	3.0	2.5	3.0	3.0	3.0	2.5	2.5	4.5	6.5	4.5	11.5	10.0	7.0	4.0	2.5	3.5	3.0	3.0	2.5	4.0	11.5	
AV	5.0	4.5	4.0	4.5	4.0	3.5	3.0	4.0	4.5	5.0	6.0	7.0	6.5	9.5	10.5	10.5	9.5	9.0	4.5	7.5	7.5	6.5	5.5	5.0	6.5	11.0	
90	2.5	2.5	2.0	2.5	2.0	2.0	1.5	2.5	3.0	3.5	3.5	3.5	3.5	4.0	4.0	3.5	4.0	4.0	4.5	4.0	3.5	3.0	2.5	2.5	2.0	11.0	

WIND SPEED (CCI011

MILES/HOUR

LEVEL HEIGHT | 10 METERS

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SEP, 1980

AEROENVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	5.0	4.5	2.5	3.0	2.5	2.5	2.5	1.5	2.0	2.5	3.0	4.0	4.0	6.0	7.0	5.0	4.5	3.5	3.0	2.5	5.5	3.5	3.5	3.0	3.5	7.0	
2	4.0	6.0	2.0	2.5	1.5	2.5	3.0	2.0	2.0	3.0	3.5	4.0	6.0	6.0	6.0	11.5	13.0	12.0	8.0	6.0	6.0	8.5	9.5	11.5	6.5	15.5	
3	2.5	3.0	8.0	6.0	3.0	2.5	4.5	2.0	1.5	2.5	3.5	4.5	5.0	7.5	7.5	8.0	12.0	10.0	10.0	7.0	5.0	2.5	3.0	4.5	5.0	12.0	
4	8.0	3.0	3.0	7.5	2.5	3.0	2.0	2.0	2.5	2.5	3.0	3.5	4.0	5.0	5.0	6.5	6.0	4.5	3.5	2.0	2.5	6.5	7.5	3.0	4.0	4.0	
5	5.5	3.0	3.5	3.5	2.5	2.5	1.5	1.5	1.5	2.5	3.0	4.0	4.0	5.5	7.0	6.5	5.5	6.0	3.0	3.0	5.0	6.5	2.5	6.0	4.0	7.0	
6	8.5	4.0	4.0	2.0	2.0	3.5	2.0	2.0	3.0	6.5	5.0	4.0	4.5	2.5	3.0	3.0	6.5	5.5	2.0	3.0	4.5	6.0	7.0	7.5	5.5	13.5	
7	7.5	6.5	4.0	3.5	4.5	4.0	2.0	4.0	7.5	6.0	4.5	3.0	3.0	4.5	4.5	3.0	6.5	5.5	2.0	3.0	4.5	6.5	5.0	2.0	4.0	8.5	
8	3.0	2.0	2.0	1.5	2.0	1.5	2.5	3.0	3.0	6.0	4.5	3.0	3.0	4.5	4.5	3.0	3.5	2.5	3.0	2.5	1.5	3.0	1.5	3.5	4.0	7.5	
9	2.0	2.0	2.0	3.0	2.5	2.0	1.5	2.5	3.5	3.0	12.5	4.5	6.0	6.0	6.0	6.0	4.5	4.0	8.0	3.0	2.5	2.5	2.5	2.5	3.5	6.0	
10	2.0	2.0	5.0	3.0	2.5	2.5	3.5	3.5	2.0	11.5	12.5	13.5	13.0	15.0	12.5	13.0	6.0	6.0	6.0	3.5	5.0	4.0	5.0	5.0	4.0	12.5	
11	3.0	2.0	5.0	3.0	3.0	2.0	2.0	3.0	3.0	6.5	3.5	4.0	5.0	5.5	5.0	4.0	7.5	5.0	5.0	8.5	6.0	4.5	6.5	4.5	7.0	15.0	
12	4.5	5.0	4.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	9.5	15.0	13.5	15.5	13.5	13.5	10.5	10.5	5.5	5.0	5.0	7.5	8.5	6.5	3.5	4.5	
13	5.0	5.0	2.5	3.0	3.0	3.0	2.5	2.5	2.0	3.0	3.0	9.5	15.0	13.5	15.5	13.5	10.5	10.5	5.5	5.0	5.0	7.5	8.5	6.5	3.5	4.5	
14	6.5	3.0	4.5	5.0	2.5	2.5	2.0	2.0	4.0	5.5	10.5	11.5	7.5	7.0	8.0	7.5	6.5	3.5	2.5	4.0	3.5	3.0	3.0	3.0	5.0	5.0	
15	2.0	1.5	2.5	2.5	2.0	1.5	2.5	3.5	2.5	3.0	5.0	5.5	7.0	6.0	10.5	11.5	10.0	9.0	7.0	6.5	7.5	4.5	4.5	3.0	5.5	11.5	
16	3.5	4.0	2.5	2.0	2.0	3.0	2.5	4.5	4.5	6.5	14.0	15.5	15.0	13.0	14.5	13.5	12.5	13.0	12.5	12.0	12.0	9.5	5.5	4.5	4.5	15.5	
17	4.5	7.0	8.5	5.5	3.5	4.0	2.0	3.0	4.5	3.0	7.0	9.0	9.0	10.0	8.5	6.0	5.0	7.0	5.5	4.0	3.5	9.0	7.5	6.0	6.0	10.0	
18	5.0	4.0	4.0	3.0	3.5	2.5	2.5	2.5	2.5	1.5	3.5	3.0	6.0	7.5	10.5	14.5	13.0	10.0	9.0	6.5	9.5	12.0	13.0	14.0	7.0	14.5	
19	9.0	9.5	9.5	10.0	11.5	11.0	11.5	9.5	15.5	13.5	14.0	15.0	15.5	16.5	15.0	13.0	11.5	7.5	4.5	7.5	7.5	9.0	8.0	5.5	11.0	16.5	
20	5.5	3.0	3.5	4.0	3.5	4.5	2.0	2.5	4.0	5.0	6.0	7.0	5.5	5.0	5.0	4.0	2.5	3.0	5.5	4.0	4.0	6.0	3.5	4.5	4.5	4.5	
21	3.5	2.5	4.0	3.0	2.5	3.0	2.5	5.5	2.5	3.5	7.5	10.0	11.0	10.5	13.5	14.5	11.0	6.5	10.0	7.5	10.0	4.0	3.0	2.0	6.5	14.5	
22	2.0	1.5	2.5	1.5	1.5	1.5	2.0	2.0	4.0	3.0	5.0	5.5	5.5	4.0	4.5	4.5	4.0	4.5	3.0	2.0	4.5	7.0	3.5	5.5	3.5	7.0	
23	3.0	1.5	3.0	2.0	2.5	3.0	2.0	2.0	2.5	3.0	3.0	3.5	4.5	6.0	7.0	5.0	3.0	2.5	4.0	3.0	2.5	3.0	4.0	2.5	3.5	6.0	
24	3.0	6.5	6.5	4.0	5.5	2.5	1.5	3.0	3.0	2.0	5.5	12.0	10.5	11.0	7.0	5.0	3.0	2.5	2.5	3.0	3.5	2.5	3.0	3.0	4.5	12.0	
25	3.5	2.5	1.5	3.0	2.0	2.5	2.0	1.5	3.0	4.0	3.5	5.5	6.0	5.5	6.0	7.5	6.0	3.5	2.5	2.0	4.5	3.5	5.0	4.0	4.0	7.5	
26	3.0	2.5	2.5	1.5	2.0	1.5	2.0	2.5	2.0	2.5	3.0	4.0	4.0	5.0	5.0	5.5	5.0	4.5	3.0	6.5	6.5	2.5	2.5	3.0	3.5	6.5	
27	4.5	5.5	3.0	1.5	2.5	2.0	2.0	2.5	2.5	2.5	3.5	3.5	4.0	5.5	5.0	5.0	3.0	3.0	2.0	3.0	4.5	5.0	4.5	5.5	3.5	5.5	
28	2.5	1.5	3.0	2.5	2.5	2.0	2.0	1.0	2.0	2.5	3.5	4.0	3.5	6.0	7.0	5.0	3.0	3.0	3.0	3.0	3.0	4.0	2.5	2.5	3.0	7.0	
29	2.5	4.5	4.0	4.0	3.0	3.0	2.5	1.5	2.5	3.0	3.5	5.0	5.0	4.0	5.0	4.0	6.5	4.5	2.5	2.0	3.0	5.5	2.5	3.0	3.5	6.5	
30	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.5	3.0	4.0	3.0	4.0	4.5	5.0	5.0	4.5	2.5	2.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	5.0
AV	4.0	3.5	4.0	3.5	3.0	3.0	2.5	2.5	3.5	4.5	5.5	6.5	7.0	7.0	7.5	7.5	6.0	6.0	5.0	5.0	5.0	5.5	5.0	5.0	5.0	5.0	5.0
SD	2.0	2.0	2.0	2.0	1.5	2.0	1.5	2.5	3.0	3.5	4.0	3.5	4.0	3.5	3.5	4.0	3.5	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0

WIND SPEED (CCI01)

MILES/HOUR

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT.W139

RONANZA, UTAH

SITE 13

OCT, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	4.5	3.5	3.5	2.0	2.5	3.0	2.0	2.5	2.5	3.0	5.0	4.5	4.5	5.5	5.0	4.0	5.0	2.5	3.5	5.5	2.5	3.5	3.5	4.0	3.5	5.5
2	6.0	4.5	4.0	3.0	4.5	6.0	6.5	7.5	7.0	6.0	6.5	5.5	6.0	3.5	3.5	3.0	2.5	2.0	5.5	2.5	2.0	2.0	1.5	1.5	4.5	4.5
3	2.0	1.5	1.5	2.0	1.5	1.5	2.0	2.0	2.5	3.0	3.0	3.5	3.5	4.5	4.5	3.0	3.0	3.5	4.0	4.0	3.0	2.0	2.0	3.0	2.5	4.5
4	2.0	3.0	2.0	3.0	2.0	1.5	2.5	2.5	1.5	3.5	3.0	4.0	4.0	5.0	5.0	3.0	3.0	5.0	2.5	7.5	3.5	2.5	3.0	2.5	3.5	7.5
5	3.0	2.5	2.0	2.5	3.0	2.0	2.5	2.5	3.0	3.0	4.0	4.0	4.5	5.5	5.5	4.5	2.5	2.0	1.5	3.5	3.0	3.5	3.5	2.0	3.0	5.5
6	2.5	2.0	1.5	1.5	1.5	1.5	1.5	2.5	3.0	3.0	3.0	4.5	6.0	6.5	5.5	4.5	3.5	2.0	2.0	4.5	2.5	4.5	2.5	2.0	3.0	6.5
7	2.0	2.0	1.5	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	5.0	5.0	5.0	4.5	3.0	2.5	1.5	2.0	3.5	4.5	1.5	2.0	2.0	3.0	6.5
8	1.5	2.0	1.5	1.5	1.5	1.5	2.0	3.0	2.0	2.5	3.5	3.5	4.5	4.0	3.5	3.0	2.5	1.5	2.0	2.0	4.5	2.5	2.0	2.0	2.0	5.0
9	2.5	2.5	2.5	1.5	2.0	2.0	2.0	2.0	3.0	4.5	4.5	4.0	3.5	3.5	5.0	4.5	4.0	1.5	2.0	4.5	2.5	2.0	2.0	1.5	2.5	4.5
10	2.0	2.0	1.5	2.5	2.0	3.0	3.0	2.5	5.5	5.0	9.0	5.5	5.0	5.5	3.5	4.5	3.5	2.0	2.5	3.0	2.5	3.0	3.0	3.0	3.0	5.0
11	2.0	1.5	1.5	1.0	1.5	1.0	1.0	1.0	2.5	4.5	5.5	5.0	6.5	5.5	3.0	2.5	2.5	4.5	5.5	3.5	2.0	2.5	2.0	2.5	3.0	9.0
12	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.5	5.0	5.0	9.0	5.0	5.5	5.5	4.0	3.5	9.0	7.5	4.5	3.0	3.5	3.5	3.5	2.5	3.0	4.5
13	4.5	6.5	3.5	3.0	3.0	3.0	3.0	2.5	2.5	4.0	6.0	5.5	7.0	5.0	5.0	6.0	5.5	5.0	5.5	6.5	7.0	6.0	3.0	2.0	4.5	4.5
14	2.5	1.5	1.0	1.5	1.5	1.5	1.5	2.5	2.0	2.5	2.5	5.5	4.0	5.0	6.0	6.5	6.5	12.5	8.5	3.0	2.5	(IM)	(IM)	(IM)	4.0	12.5
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
26	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)
AV	3.0	2.5	2.0	2.0	2.0	2.5	2.5	2.5	3.0	4.0	5.0	4.5	5.0	5.0	4.5	4.0	4.0	4.0	3.5	4.0	3.0	2.5	2.5	2.5	3.5	()
90	1.0	1.5	1.0	.5	1.0	1.0	1.5	1.5	1.5	1.0	2.5	.5	1.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	1.5	1.0	.5	.5	.5	()

WIND SPEED (CROSS)
 MILES/HOUR
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 ROMAN7A, UTAH
 SITE 15
 NOV. 1980
 AERONAVIGATION INC.

.....
 * FIDAL DATA *
 * AS OF 13/APR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAR		
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)		
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)		
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)		
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)		
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)		
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)		
7	2.0	2.5	2.5	1.5	2.5	2.5	3.0	2.5	2.5	2.0	3.0	3.0	2.5	7.0	12.5	12.0	9.5	6.5	4.0	3.0	4.5	4.0	2.5	2.5	3.0	4.5		
8	5.5	4.0	5.5	13.5	14.0	11.5	10.0	11.5	9.0	8.5	11.0	12.0	11.5	13.0	11.5	12.0	8.0	5.0	3.0	3.0	7.5	3.0	3.0	3.0	5.0	12.5		
9	1.5	3.0	2.5	2.5	2.5	1.5	2.5	2.0	2.0	3.0	3.5	3.5	3.0	3.5	3.0	2.5	2.0	2.5	2.0	2.5	2.0	2.0	2.0	2.0	2.5	3.5		
10	1.5	2.0	1.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.5	3.5	3.5	3.5	3.5	2.5	2.5	3.0	3.0	2.0	1.5	1.5	1.5	2.0	2.0	3.5		
11	2.0	2.0	2.5	2.5	2.5	2.0	2.0	2.0	1.5	2.5	2.5	2.5	3.5	3.0	2.5	1.5	2.5	3.0	5.5	4.5	4.0	3.5	2.0	3.0	2.0	2.5		
12	2.5	3.0	3.0	2.5	5.0	5.5	7.0	6.0	2.5	3.0	12.0	15.5	12.5	11.5	12.5	13.5	10.0	8.0	6.5	6.0	6.5	4.5	3.0	2.5	7.0	15.5		
13	2.5	2.5	4.5	5.0	7.5	5.5	5.0	5.5	7.0	8.0	9.5	8.5	8.5	8.5	5.5	6.0	5.5	6.5	7.0	6.0	6.5	4.5	3.0	2.5	6.0	9.5		
14	3.0	1.5	2.0	3.0	3.0	3.0	4.5	4.0	4.0	6.0	3.5	4.0	5.5	4.0	3.5	3.0	3.5	6.0	6.5	7.0	3.5	3.0	2.5	3.0	7.0	4.0		
15	2.5	2.5	2.0	2.5	3.0	2.5	4.0	3.0	2.5	2.5	3.0	4.5	4.5	4.5	6.5	6.5	4.0	4.0	2.5	3.0	3.0	13.5	7.5	4.0	4.0	13.5		
16	2.5	3.0	2.5	2.0	2.5	2.5	2.0	1.5	2.5	3.5	4.0	5.0	4.5	3.0	3.5	4.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5	3.0	5.0		
17	2.5	2.0	2.0	3.0	3.0	4.5	4.0	2.5	3.0	3.0	3.5	3.5	4.0	4.0	3.0	2.5	2.0	2.0	2.5	1.5	2.5	2.0	2.0	2.5	3.0	4.5		
18	2.0	2.0	2.5	2.0	2.0	1.5	1.5	2.5	1.5	2.5	3.0	3.0	4.0	5.0	4.0	2.5	2.5	3.0	3.0	2.5	2.5	2.0	1.5	2.0	2.5	5.0		
19	2.5	3.0	2.5	2.5	2.5	3.0	2.5	2.0	1.5	2.5	3.0	3.0	3.0	3.0	3.5	3.0	2.5	1.5	2.0	2.5	2.5	2.5	2.0	2.0	2.5	5.0		
20	2.5	2.0	2.0	2.5	2.0	2.5	2.5	2.0	2.5	2.5	3.0	3.0	4.0	5.5	4.5	4.0	3.0	2.5	3.0	5.0	4.5	1.5	1.5	3.0	3.0	5.5		
21	2.5	2.0	3.5	2.0	2.5	2.5	2.5	2.0	2.5	3.0	3.0	3.0	3.5	3.0	3.5	3.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	3.0	2.5	3.5		
22	1.5	2.5	2.5	3.0	2.5	2.5	2.5	2.0	2.0	2.5	3.5	4.0	4.5	5.5	5.5	6.5	7.0	5.5	4.0	3.0	3.0	2.0	2.5	2.5	3.0	7.0		
23	2.5	2.5	1.5	1.5	2.5	3.0	2.0	2.0	2.5	2.5	3.5	4.0	4.5	4.5	3.0	3.0	2.0	2.0	2.5	4.5	5.5	3.0	2.5	2.0	3.0	5.5		
24	2.5	1.5	1.5	1.5	1.0	1.0	2.5	5.5	5.5	4.0	3.0	4.0	3.0	3.0	2.0	2.5	2.5	3.5	3.5	0.0	3.0	2.5	(IM)	(IM)	(IM)	3.0	5.5	
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3.0	5.5
26	4.0	2.5	3.0	2.5	2.0	3.0	2.0	2.0	2.5	2.0	2.5	4.0	4.0	4.5	2.5	1.5	2.0	3.0	3.0	2.5	2.5	2.0	2.5	2.5	2.5	4.5		
27	3.0	2.5	2.5	2.0	3.0	2.5	2.0	2.5	1.5	2.5	2.5	3.5	3.5	3.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.5	
28	2.0	1.5	2.5	2.5	2.0	2.5	2.5	3.0	3.5	2.5	3.0	3.0	4.5	3.5	3.0	2.5	2.0	2.0	2.0	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.5	
29	1.5	2.5	2.5	1.5	2.0	2.5	2.5	2.0	2.0	3.0	2.5	4.0	2.5	2.5	2.5	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.0	2.0	2.0	2.5	4.5	
30	1.5	2.5	3.0	2.5	2.0	3.0	2.5	2.5	3.0	2.5	2.5	3.0	3.0	2.5	7.5	5.5	5.0	3.5	2.5	7.5	12.0	12.0	10.5	3.0	4.5	12.0		
AV	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.0	3.5	3.5	3.5	4.0	3.5	3.0	2.5	3.5	3.5		
SD	1.0	.5	1.0	2.5	2.5	2.0	2.0	2.0	1.5	2.5	3.0	2.5	3.0	3.0	3.0	3.0	2.5	2.0	1.5	2.0	2.5	3.0	2.0	.5	1.5	1.5		

AUGUST (21 JAN 81)

WIND SPEED (CC:011)

MILES/HOUR
LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH

SITE 13

DEC. 1980

APPROXIMORMENT INC.

.....
* F I G U R E
* A S O F 1 3 / A P R / 8 1
*
.....

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PLAN	
1	2.5	2.0	1.5	2.5	2.5	5.5	7.5	4.0	5.0	6.0	12.0	12.0	8.5	6.0	6.0	3.5	5.0	5.0	4.0	7.0	3.0	4.0	2.5	2.0	2.0	5.0	12.0
2	2.5	2.5	3.0	2.0	3.0	2.5	2.5	2.5	2.5	3.0	3.5	3.0	2.0	3.0	3.0	3.0	2.5	2.5	2.5	3.0	2.0	2.0	2.5	2.5	2.5	2.5	4.5
3	2.5	2.5	2.5	2.0	2.5	2.0	4.5	4.5	3.5	3.0	3.5	2.5	2.5	6.0	5.5	4.5	9.0	8.0	5.0	7.0	5.5	2.5	2.5	2.5	2.5	4.0	9.0
4	2.5	2.5	2.5	3.0	2.5	2.5	4.0	7.5	9.5	13.5	15.5	20.0	17.5	18.5	14.0	11.5	10.5	14.0	4.0	2.5	5.5	6.5	10.0	6.5	6.5	8.5	20.0
5	4.5	10.5	10.0	5.0	5.0	9.0	3.5	3.0	2.5	2.0	5.0	5.5	3.5	3.0	5.5	4.5	6.5	3.5	2.5	2.5	5.5	2.5	5.0	3.0	4.5	10.5	
6	3.5	3.0	3.0	2.5	2.0	3.0	2.5	3.0	2.5	3.5	2.5	3.0	3.0	3.5	3.0	3.5	4.5	7.5	4.0	3.0	2.5	2.5	2.5	2.0	2.0	3.0	7.5
7	1.5	1.5	3.0	2.5	3.0	4.0	4.0	1.5	2.5	3.0	3.0	3.5	7.0	7.5	6.5	5.5	2.5	1.5	2.5	4.0	4.0	9.5	3.0	3.0	3.0	3.0	5.0
8	4.0	2.5	2.5	3.5	2.5	3.0	2.0	2.5	2.5	4.0	4.5	5.5	4.0	4.0	3.5	3.0	2.0	3.0	6.5	9.5	4.5	3.5	5.0	6.0	4.0	4.0	9.5
9	4.0	2.5	2.5	3.5	2.5	3.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.0	3.5	3.0	2.0	3.0	6.5	9.5	4.5	3.5	5.0	6.0	4.0	4.0	9.5
10	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	2.0	2.0	1.5	2.5	2.5	2.5	2.0	2.5	2.5	2.5	4.0
11	2.0	1.5	2.0	1.5	1.5	2.0	2.5	3.0	2.0	1.5	2.5	2.5	3.0	3.5	3.0	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.5	2.5	2.0	2.0	3.0
12	1.0	1.5	2.0	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5	3.0	3.0	2.5	2.5	1.5	2.5	2.5	2.5	2.0	2.5	2.5	2.0	2.5	2.0	3.0
13	2.0	2.5	2.5	3.0	2.0	2.5	3.0	3.0	1.5	2.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5	3.0	3.0	1.5	2.0	1.5	1.5	1.5	1.5	2.0	3.0
14	1.5	2.5	2.5	3.0	2.0	2.5	3.0	3.0	2.5	3.0	3.0	3.0	3.0	3.0	3.0	6.0	4.5	3.0	3.0	3.0	2.5	3.0	3.0	2.5	3.0	3.0	6.0
15	3.0	3.0	3.0	2.5	2.5	2.5	3.0	2.5	1.5	3.5	3.0	3.5	4.5	2.5	2.5	4.0	3.0	3.0	3.0	3.0	2.5	2.5	2.5	2.0	2.0	3.0	4.5
16	2.5	2.0	1.5	2.0	3.0	3.0	1.5	2.5	3.0	2.5	2.5	2.5	3.0	4.0	4.5	3.5	3.0	2.0	2.0	2.0	2.0	2.5	2.5	2.0	2.0	3.0	4.5
17	2.0	2.0	1.5	1.5	1.5	2.0	2.5	1.5	1.5	1.5	3.0	2.5	3.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.5	2.0	2.0	2.5	4.5
18	6.0	3.0	1.5	1.5	2.5	2.5	1.5	1.5	1.5	1.5	2.0	1.5	3.5	4.0	4.0	4.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.5	6.0
19	2.0	1.5	1.5	3.0	2.0	2.5	2.0	1.5	1.5	2.5	2.5	3.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	2.0	3.0
20	2.0	1.5	2.0	2.0	2.0	1.5	2.0	1.5	2.0	2.0	2.0	3.0	3.0	3.0	3.5	4.5	3.0	2.5	1.5	1.5	2.0	1.5	2.0	2.5	2.0	2.5	4.5
21	1.5	2.0	2.5	2.0	2.5	3.0	2.5	3.0	2.5	2.5	3.0	3.0	3.0	2.5	2.5	3.0	1.5	2.5	2.0	2.0	2.0	2.5	2.0	3.0	2.0	2.5	5.0
22	3.0	2.5	2.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	4.5	3.5	3.0	2.5	3.0	3.0	4.5	3.0	2.0	2.0	2.0	2.5	2.0	3.0	2.0	2.5	5.0
23	3.0	2.5	3.5	4.0	6.5	5.5	4.0	5.0	4.5	3.5	6.5	5.0	3.5	3.0	5.0	5.0	2.5	2.5	3.0	4.5	3.0	2.5	2.5	6.0	5.0	3.0	4.5
24	2.5	5.5	3.0	2.0	2.5	2.5	3.0	2.5	2.5	2.5	3.0	3.5	5.0	3.5	2.5	2.5	3.0	2.5	3.0	4.5	3.0	2.5	2.0	2.5	4.0	6.5	5.5
25	2.5	1.5	2.5	4.5	2.5	3.0	3.0	2.5	2.5	2.5	3.0	4.0	4.5	3.5	4.5	3.0	2.5	2.5	2.5	3.0	1.5	1.5	3.0	1.5	1.5	2.5	5.5
26	2.0	2.5	2.5	2.5	2.5	3.0	1.5	1.5	2.5	3.0	3.0	3.0	3.0	3.5	3.0	3.5	2.0	2.5	2.5	2.5	4.0	3.0	3.0	3.0	3.0	3.0	4.5
27	2.0	1.5	2.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5	2.5	4.5	3.0	3.0	2.0	2.0	2.0	3.0	2.5	2.5	3.0	2.0	2.5	2.5	4.5
28	2.0	2.5	2.5	2.0	2.0	1.5	2.5	2.0	2.5	2.5	3.0	2.5	4.0	4.0	3.0	4.0	2.5	1.0	2.5	2.5	2.5	3.0	2.0	2.5	3.0	2.5	4.0
29	1.5	1.5	2.5	1.5	2.5	1.5	2.5	1.5	2.0	2.0	3.0	2.5	3.0	2.5	2.5	3.0	1.5	1.5	1.5	2.0	2.5	5.0	2.5	2.5	2.5	2.5	4.0
30	2.5	3.0	2.0	1.5	2.5	2.0	2.5	1.5	2.0	2.5	3.0	3.0	3.0	3.5	5.5	3.5	3.0	2.0	2.0	4.0	2.5	3.0	2.0	2.0	2.0	2.5	5.5
31	2.0	2.0	2.0	2.0	1.5	1.5	2.0	2.0	2.5	2.5	3.0	3.0	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0
AV	2.5	2.5	2.5	2.5	2.5	3.0	2.5	2.5	2.5	3.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.0	2.5	3.0	3.0	3.0	2.5	2.5	3.0	3.0	1
SD	1.0	1.5	1.5	1.0	1.0	1.5	1.0	1.5	1.5	2.0	3.0	3.5	3.0	3.0	2.0	1.5	2.0	2.5	1.0	1.5	1.0	1.5	1.5	1.0	1.5	1.5	1

WIND DIRECTION (CC+02)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 13

JAN, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	1RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
2	1RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
3	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
4	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
5	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
6	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
7	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
8	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
9	4RF	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(1)	
10	180	185	180	180	185	190	190	200	195	185	195	205	225	275	270	280	270	285	275	280	250	150	110	9		
11	115	155	125	225	225	245	200	135	200	340	5	325	225	325	290	5	340	100	270	295	270	245	155	270	14	
12	170	195	250	75	285	290	320	280	245	315	290	300	295	285	285	10	115	150	120	165	160	105	185	210	14	
13	105	315	65	240	155	180	210	260	270	275	295	260	280	265	255	300	290	260	270	220	175	195	185	140	13	
14	185	175	165	170	190	230	265	230	130	140	140	155	120	50	265	125	115	220	140	295	160	280	205	180	7	
15	280	320	270	285	245	245	270	270	240	305	245	290	295	20	50	75	70	105	90	270	170	165	75	100	14	
16	140	195	160	160	215	165	180	245	345	305	285	315	310	295	310	320	325	210	205	310	290	10	55	355	15	
17	275	125	210	150	130	55	115	185	110	155	45	60	305	290	275	345	325	305	300	205	110	120	200	170	4	
18	40	320	30	120	75	10	275	235	180	265	245	270	290	315	245	275	275	270	255	195	40	70	75	40	14	
19	80	90	85	80	75	75	80	65	65	65	40	90	80	60	45	30	30	10	100	35	50	75	60	70	4	
20	290	270	135	110	145	130	195	270	95	100	90	145	305	280	285	300	290	270	300	295	200	195	140	175	14	
21	275	195	250	245	245	315	25	20	70	350	300	305	295	335	290	275	295	290	245	245	245	305	310	315	14	
22	315	300	305	290	270	280	305	75	90	85	100	45	60	45	5	300	325	290	190	145	135	115	135	175	14	
23	150	145	170	155	125	115	95	200	40	110	20	255	230	295	245	290	305	280	290	310	265	310	245	150	14	
24	305	285	80	210	245	145	345	100	145	265	270	345	130	60	255	290	285	305	305	310	290	305	295	14		
25	270	245	290	280	355	15	340	310	0	305	65	310	260	290	250	260	285	240	320	320	120	75	75	65	13	
26	50	45	40	55	255	225	10	15	45	80	65	35	310	25	45	50	40	50	40	45	55	55	30	145	4	
27	60	20	25	35	30	270	280	270	270	270	270	270	270	285	285	290	280	270	285	285	245	160	240	265	13	
28	320	35	50	10	40	15	15	325	5	335	350	10	30	15	35	30	35	45	35	55	90	90	40	15	2	
29	20	15	30	55	105	60	35	35	20	15	35	30	25	25	25	25	25	5	185	275	120	40	135	145	2	
30	225	80	110	165	245	200	140	175	185	150	95	280	280	295	290	325	80	30	200	60	45	125	95	90	5	
31	100	100	165	100	210	95	260	115	120	80	290	285	290	280	265	310	300	245	220	255	245	240	160	245	14	
PV	13	(VAL)	6	8	11	(VAL)	(VAL)	13	5	15	14	(VAL)	14	14	13	14	14	14	14	14	14	13	(VAL)	9	9	14

WIND DIRECTION ICC1021

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT 10 METERS

JAN, 1980

AEROENVIRONMENT INC.

* FJNAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()
10	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
11	ESE	SSE	SE	SW	WSW	SSW	SE	SSW	SSW	NW	N	NW	SW	NW	NW	N	NW	E	W	NW	W	WSW	SSE	ESE	()
12	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
13	ESE	NW	ENE	WSW	SSE	()	SSW	W	W	W	WNW	W	W	WSW	WNW	WNW	W	W	W	SW	S	SSW	S	()	()
14	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
15	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
16	SE	SSW	SSE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	ENE	SW	()
17	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
18	NE	NW	NNE	ESE	ENE	N	W	SW	S	W	WNW	W	WNW	NW	NW	W	W	W	W	WSW	SSW	F	ENE	ENE	()
19	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
20	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
21	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
22	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
23	SSE	SE	SSE	SE	ESE	E	SSW	E	ESE	NNE	WSW	SW	WNW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	()
24	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
25	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
26	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
27	ENE	NNE	NNE	NE	NNE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	()
28	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
29	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
30	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
31	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()
PV	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()	()

WIND DIRECTION 1001021
 DFGHEES
 LEVEL HEIGHT 10 METERS

WHITIE WIVVER SHALLF PROJECI.#139
 BONANZA, UTAH
 SITE 13
 FFH, 1980
 AFRROVIRMENT INC.

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 *
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	55	145	195	70	280	160	115	130	155	45	230	250	290	280	285	275	295	300	280	150	125	140	135	210	7
2	60	140	135	190	110	60	100	100	95	60	290	40	295	285	290	285	285	285	265	255	195	100	120	250	5
3	85	115	90	95	350	75	105	320	110	75	325	135	235	285	300	285	295	285	280	195	190	180	320	155	14
4	250	110	65	105	115	145	95	245	245	10	285	335	295	280	290	300	290	275	280	100	140	150	140	105	(VAL)
5	85	90	100	125	90	85	350	80	20	290	325	25	285	305	295	305	270	270	260	195	120	125	100	270	5
6	205	115	305	110	90	60	100	70	20	325	290	295	285	295	300	285	285	285	275	290	290	95	115	265	14
7	140	150	225	280	265	300	305	275	310	315	290	290	280	280	340	50	45	50	0	30	130	90	80	100	14
8	0	120	120	105	100	120	120	205	270	270	280	280	280	295	265	260	120	125	130	175	215	220	95	140	4
9	145	195	210	255	175	170	135	350	280	285	285	285	275	280	270	195	145	135	150	140	135	145	185	95	(VAL)
10	130	90	130	100	50	25	285	285	280	285	285	285	280	285	170	150	130	120	105	125	120	130	110	130	7
11	140	90	85	50	5	265	260	270	285	280	280	275	235	145	160	115	115	140	105	125	110	110	95	60	4
12	135	80	120	290	320	290	290	280	285	290	275	235	130	125	145	70	140	115	125	165	110	175	195	130	7
13	295	265	265	240	295	330	270	290	285	285	250	225	185	170	150	190	305	265	240	290	290	345	10	340	0
14	265	300	305	300	300	295	295	285	295	285	260	145	195	100	115	135	140	105	195	130	105	125	0	65	14
15	125	135	285	295	285	285	290	280	270	275	285	320	180	235	180	145	140	225	185	115	90	145	60	250	14
16	275	295	70	305	320	280	165	235	270	285	290	315	305	310	310	305	310	310	310	315	310	300	305	310	14
17	310	305	295	295	310	305	60	15	345	235	345	55	145	20	0	25	65	255	175	185	155	265	245	105	15
18	50	20	165	230	290	295	280	260	165	140	145	170	250	210	185	145	165	150	315	235	170	155	150	115	4
19	135	100	290	275	190	255	205	180	175	170	175	190	105	95	125	60	100	305	105	125	155	160	195	120	9
20	265	230	175	200	175	145	185	195	200	250	285	245	150	135	125	205	190	165	180	60	165	105	125	165	9
21	105	105	80	335	180	205	165	165	180	190	280	270	280	290	300	295	240	210	195	110	280	115	245	255	14
22	140	130	145	205	260	285	295	285	275	295	295	290	290	150	130	105	100	200	190	120	115	310	220	170	14
23	145	115	155	240	35	330	260	280	300	315	265	320	350	60	40	75	100	125	140	115	135	85	135	115	7
24	115	220	125	105	20	300	295	300	300	290	275	260	270	285	140	120	120	150	130	120	110	120	110	170	4
25	160	120	115	145	255	325	295	280	275	280	275	290	275	260	270	240	155	135	145	125	125	110	205	185	13
26	165	165	150	155	285	295	290	285	285	265	280	280	275	270	220	165	130	125	125	100	90	105	155	100	14
27	225	90	200	125	35	275	270	280	275	265	265	265	270	270	240	145	110	130	130	125	120	115	165	110	14
28	245	210	135	175	105	70	285	260	265	270	290	315	350	260	225	155	260	260	170	145	170	285	280	125	14
29	125	100	80	140	220	220	195	260	305	260	355	0	310	350	350	0	40	75	80	70	75	90	75	110	5
PV	7	6	7	7	14	14	14	13	14	14	14	14	13	14	14	(VAL)	7	7	7	7	7	6	6	6	10

WIND DIRECTION (CC1021

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT : 10 METERS

FEB, 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	NE	SE	SSW	ENE	W	SSE	ESE	SE	SSE	NE	SW	WSW	WNW	W	WNW	W	WNW	WNW	W	SSE	SE	SE	SE	SSW	SE
2	ENE	SE	SE	E	ESE	ENE	E	E	E	ENE	WNW	WSW	WNW	W	WNW	W	WNW	WNW	W	WSW	SSW	E	ESE	SSW	E
3	E	ESE	E	ESE	E	ENE	ESE	ENE	ESE	ENE	NW	SE	SW	WNW	WNW	WNW	WNW	WNW	W	SSW	S	S	NW	SSE	WNW
4	WSW	ESE	ENE	ESE	E	ENE	E	ENE	WSW	N	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	W	E	SE	SSE	SSE	ESE	(VA)
5	E	E	E	E	E	E	E	E	ENE	WNW	NW	NNE	W	WNW	WNW	WNW	WNW	WNW	W	SSW	ESE	SE	E	W	E
6	SSW	NW	NW	ESE	E	ENE	E	ENE	NNE	NW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	W	WNW	WNW	E	ESE	W	WNW
7	SE	SSE	SW	W	W	WNW	NW	W	NW	NW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	N	NNE	SE	E	E	E	WNW
8	N	ESE	ESE	E	ESE	ESE	ESE	SSW	W	W	W	W	W	W	SSW	W	ESE	SE	SE	S	SW	SW	E	E	WNW
9	SE	E	SE	E	ENE	ENE	W	W	W	WNW	WNW	WNW	W	W	SSW	W	ESE	SE	SE	SE	SE	SE	S	E	(VA)
10	SE	E	E	E	ENE	ENE	W	W	W	WNW	WNW	WNW	W	W	SSW	W	ESE	SE	SE	SE	SE	SE	S	E	(VA)
11	SE	E	E	E	ENE	ENE	W	W	W	WNW	WNW	WNW	W	W	SSW	W	ESE	SE	SE	SE	SE	SE	S	E	(VA)
12	SE	E	E	E	ENE	ENE	W	W	W	WNW	WNW	WNW	W	W	SSW	W	ESE	SE	SE	SE	SE	SE	S	E	(VA)
13	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
14	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
15	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
16	W	WNW	ENE	NW	NW	W	SSE	SW	W	W	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
17	NW	NW	WNW	WNW	NW	NW	ENE	ENE	WNW	SW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
18	NE	NNE	SSE	SW	WNW	WNW	W	W	SSE	SE	SE	S	W	WNW	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
19	SE	E	WNW	W	S	WSW	SSW	S	S	S	S	S	ESE	E	ENE	E	ENE	E	ENE	W	SSW	SSW	SSW	SSW	SSW
20	W	SW	S	SSW	S	SE	S	S	S	S	S	S	ESE	E	ENE	E	ENE	E	ENE	W	SSW	SSW	SSW	SSW	SSW
21	ESE	FSE	E	WNW	S	SSW	SSE	S	S	S	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
22	SE	SE	SE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
23	SE	ESE	SSE	WSW	NE	WNW	W	W	WNW	NW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
24	ESE	SW	SE	ESE	ENE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
25	SSE	ESE	ESE	SE	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
26	SSE	SSE	SSE	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
27	SW	E	SSW	SE	NE	W	W	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
28	WSW	SSW	SE	S	ESE	ENE	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
29	SE	E	E	SE	SW	SW	SSW	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW
PV	SE	ESE	SE	SE	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	W	WNW	WNW	(VA)	SE	SE	SE	SE	SE	SE	ESE	ESE	WNW

WHITE RIVER SHALE PROJECT, #139
 HONANZA, UTAH
 SITE 13
 MAR, 1980
 AERODIVISION INC.

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT 8 10 METERS

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 * FINAL DATA *
 * AS OF 31/MAR/81 *
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DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PH/REV	
1	100	80	100	70	70	70	30	290	275	295	295	335	305	280	310	325	25	120	120	135	115	130	235	235	14	
2	145	270	105	110	220	120	75	310	290	290	350	330	280	255	275	280	275	160	165	140	135	140	175	140	7	
3	290	135	120	265	70	110	150	50	75	180	185	160	170	180	205	235	155	75	75	200	200	210	145	9		
4	220	195	145	190	100	120	115	85	20	290	300	290	290	295	290	245	290	275	275	265	235	220	220	140	14	
5	135	150	165	185	245	135	125	70	65	195	200	180	185	180	180	175	175	180	175	175	175	170	170	155	4	
6	170	180	210	260	220	140	130	130	100	50	20	250	240	255	260	165	100	150	40	75	40	85	125	120	7	
7	140	160	140	350	40	125	205	45	95	110	145	235	255	235	240	260	250	200	175	15	20	10	165	55	7	
8	215	220	265	225	170	115	125	110	45	285	290	265	270	270	275	265	250	235	235	215	210	195	195	145	11	
9	200	155	120	105	110	115	255	230	165	10	285	280	285	285	285	265	245	250	230	165	165	190	185	145	1VAL	
10	105	115	105	130	300	190	105	140	245	345	265	325	335	330	370	275	160	170	140	140	145	170	175	145	7	
11	105	130	260	250	250	260	270	255	260	250	260	260	260	270	260	250	265	275	280	300	355	35	125	120	14	
12	105	130	260	250	250	260	270	255	260	250	260	260	260	270	260	250	265	275	280	300	355	35	125	120	14	
13	135	175	255	115	115	170	125	135	50	25	10	295	255	270	240	295	240	270	270	250	195	145	45	100	175	13
14	45	115	125	120	210	130	260	230	10	30	340	285	270	280	295	190	165	170	200	180	160	155	105	70	9	
15	55	170	170	175	135	150	100	145	295	275	40	220	265	270	260	210	200	205	205	255	145	140	235	265	10	
16	260	275	270	260	300	325	290	15	75	335	305	290	300	320	335	345	325	295	335	350	25	110	45	120	14	
17	210	155	115	120	130	125	230	275	25	15	280	290	175	165	200	230	270	170	160	155	150	165	160	180	4	
18	145	125	145	115	135	95	150	320	290	290	290	295	290	260	280	290	300	245	125	145	115	130	125	95	1VAL	
19	105	100	75	160	200	155	280	265	255	265	265	260	270	275	270	275	280	280	305	15	5	45	105	105	11	
20	105	130	145	100	190	155	255	330	10	305	310	290	245	240	240	180	155	155	160	150	115	130	140	100	4	
21	110	100	95	130	90	75	295	175	185	165	170	165	170	145	220	240	295	245	45	100	120	120	115	115	4	
22	110	55	45	215	120	90	235	240	260	280	50	50	40	50	55	55	50	55	60	25	45	40	70	110	3	
23	75	160	175	200	145	55	110	275	90	30	45	240	245	285	325	240	305	10	90	155	240	255	220	110	12	
24	105	95	75	35	85	75	110	35	25	90	130	160	140	180	175	170	135	145	130	235	325	55	75	75	7	
25	40	75	70	75	75	40	40	40	135	195	170	25	280	275	225	225	245	330	30	105	240	250	200	150	5	
26	125	220	210	190	155	105	105	135	340	270	145	290	265	170	240	240	120	125	120	125	240	200	175	155	7	
27	140	160	125	155	130	115	125	240	300	315	300	305	265	250	240	240	270	275	235	255	220	225	220	260	12	
28	235	220	275	280	255	160	115	315	260	230	15	345	345	345	20	5	350	5	15	35	20	40	40	105	2	
29	120	100	30	145	110	105	120	90	45	250	240	320	310	310	275	215	15	100	105	115	110	110	150	165	4	
30	115	140	145	190	145	85	210	55	290	50	60	90	160	205	260	265	260	270	95	110	125	295	165	165	7	
31	125	125	115	120	115	110	140	175	265	330	265	145	240	305	225	220	100	275	70	120	60	130	130	135	6	
PV	6	4	6	6	6	6	6	IVAL	13	14	14	14	13	13	14	13	13	13	7	IVAL	7	7	7	6	7	

WIND DIRECTION (CC10P)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

MAR, 1980

AEROENVIRONMENT INC.

.....
*
* FINAL DATA *
* AS OF 31/MAR/81 *
*
*.....

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	E	E	ENE	ENE	ENE	NNE	MNW	M	MNW	MNW	MNW	NW	W	NW	NW	NNE	ESE	ESE	SE	ESE	SE	SW	SW	MNW
2	SE	W	ESE	SE	ESE	ESE	ENE	MNW	MNW	M	MNW	MNW	W	W	W	W	NNE	ESE	ESE	SE	ESE	SE	SW	SW	MNW
3	MNW	SE	ESE	E	ESE	ESE	E	ENE	ENE	ENE	MNW	W	W	W	W	W	W	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE
4	SW	SSW	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
5	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
6	S	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	SE	SE	SE	N	NE	SE	SSW	NE	E	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SW	SW	W	SW	S	ESE	SE	ENE	ENE	ENE	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
9	SSW	NE	S	SE	ESE	SE	SE	ENE	MNW	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
10	SSW	SSW	ESE	ESE	ESE	ESE	SSW	SSW	SSW	N	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W
11	E	ESE	ESE	ENE	ENE	ENE	ESE	ENE	ENE	ENE	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W
12	ESE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
13	SE	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	NE	ESE	ENE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	NE	S	S	S	SE	SSE	E	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	SSW	SSE	ESE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SE	SE	SE	SE	SE	SE	E	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	ESE	E	ENE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	ESE	E	SE	E	E	E	ENE	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	ESE	E	E	SE	E	E	ENE	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
22	ESE	NE	E	SW	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
23	ENE	SSE	S	SSW	SE	NE	ESE	W	E	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
24	ESE	E	ENE	NE	E	ENE	ESE	NE	ENE	E	SE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S
25	E	ENE	ENE	ENE	E	E	E	SE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	SE	SW	SSW	SSE	ESE	ESE	ESE	SE	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
27	SE	SE	SE	SE	SE	SE	SE	SSW	MNW	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	ESE	E	NNE	SE	ESE	ESE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	ESE	SE	SE	SE	E	E	SSW	NE	ENE	E	ENE	E	SSE	SSW	W	W	W	W	W	W	W	W	W	W	W
31	SE	SE	SE	ESE	ESE	ESE	SE	W	MNW	W	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PV	ESE	SSE	ESE	ESE	ESE	ESE	(VA)	W	MNW	MNW	MNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION 1001021
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 APR, 1980
 AEROSOL/ENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	125	130	130	115	0	145	45	30	15	25	15	30	325	155	45	225	355	340	15	50	50	55	35	2	
2	75	50	350	285	305	295	250	270	250	265	300	275	295	290	270	320	355	345	50	120	120	120	120	14	
3	120	115	175	135	125	110	205	295	40	100	300	355	230	140	120	150	190	75	115	120	145	95	50	6	
4	195	115	140	125	90	30	285	290	295	280	295	270	240	275	200	175	160	140	135	155	165	170	160	4	
5	130	185	175	150	90	300	105	35	80	290	255	215	210	215	215	230	220	250	300	170	170	150	285	11	
6	250	235	235	200	175	195	210	225	255	285	240	270	265	265	270	270	270	270	280	205	125	140	215	175	13
7	260	275	20	220	265	265	280	285	270	260	275	265	265	290	285	280	270	270	275	245	135	130	120	110	15
8	150	195	230	170	265	0	45	335	315	340	270	305	285	290	310	320	320	15	65	135	130	120	110	140	15
9	190	225	185	180	75	240	65	315	275	330	295	280	280	205	225	235	230	215	170	175	200	170	210	230	11
10	170	300	175	250	225	245	270	285	285	290	285	295	285	290	290	290	295	275	270	315	70	50	45	40	13
11	65	90	110	120	85	75	350	115	310	70	60	30	0	25	40	40	40	30	15	15	45	50	30	180	3
12	60	105	125	135	100	110	0	325	45	70	60	85	5	15	20	35	35	25	35	35	50	45	40	65	3
13	80	120	90	120	120	115	295	315	290	265	275	285	295	285	290	280	95	90	105	120	125	135	180	210	6
14	200	160	160	235	240	240	290	0	345	290	295	310	295	275	290	295	305	65	105	125	150	145	130	120	14
15	115	150	195	175	175	195	290	335	290	295	290	285	285	265	230	270	290	275	265	260	250	225	210	100	14
16	135	170	165	285	205	175	280	290	325	20	325	235	320	275	285	20	340	45	85	110	120	115	130	155	(VAL)
17	160	105	165	200	135	190	275	20	345	300	295	270	295	330	315	295	345	5	95	115	135	115	200	14	
18	165	110	150	200	205	265	280	10	325	305	300	290	290	315	240	235	215	205	190	180	145	160	130	140	14
19	180	145	215	200	80	230	290	25	330	300	285	280	300	285	290	195	255	240	200	145	135	160	130	215	14
20	90	135	210	140	120	100	295	285	300	15	0	285	250	210	230	210	230	205	155	120	125	135	140	130	7
21	125	145	135	130	135	130	140	150	170	145	130	130	270	265	120	35	40	195	225	205	60	100	40	125	7
22	130	135	125	135	135	115	170	305	330	280	285	290	265	20	30	30	45	60	75	120	60	90	70	95	(VAL)
23	95	120	110	195	175	55	285	280	290	295	280	175	190	230	275	275	270	285	320	40	100	145	190	135	14
24	115	135	20	125	150	115	155	235	290	290	280	20	25	350	320	275	350	330	320	0	15	35	40	50	2
25	80	75	90	85	100	90	135	155	285	20	25	5	35	50	345	10	0	20	15	20	30	35	45	100	2
26	50	90	100	60	110	100	120	105	300	280	50	35	20	45	25	335	55	65	80	75	55	95	110	115	4
27	90	155	110	110	165	180	85	140	320	280	285	310	335	280	280	290	295	285	290	330	140	140	140	140	14
28	120	140	85	85	200	210	260	130	50	355	15	180	265	265	315	235	145	170	220	250	105	105	120	120	6
29	160	155	100	115	135	110	70	165	45	275	290	290	285	230	135	135	140	175	185	150	235	280	10	65	7
30	75	130	185	250	315	40	10	75	65	130	195	15	70	5	310	280	235	175	125	105	135	140	130	125	7
PV	(VAL)	7	7	6	(VAL)	6	13	14	15	14	13	14	14	14	14	13	11	13	13	6	7	7	6	6	14

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, M139

BONANZA, UTAH

SITE 13

LEVEL HEIGHT : 10 METERS

FINAL DATA
AS OF 31/MAR/61

APR, 1960

AEROVIRONMENT INC.

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRFV
1	SE	SE	SE	ESE	N	SE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
2	ENE	NE	N	NW	NW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
3	ESE	ESE	S	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
4	SSW	ESE	SE	SE	E	NNE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
5	SE	SE	SE	SSE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
6	WSW	WSW	WSW	WSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	SSE	SSW	SSW	S	W	N	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
9	S	SSW	SSW	S	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE	WSW	ENE
10	S	W	W	WSW	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
11	ENE	E	ESE	ESE	E	ENE	N	ESE	N	ESE	N	ESE	N	ESE	N	ESE	N	ESE	N	ESE	N	ESE	N	ESE	N
12	ENE	ESE	SE	SE	E	ESE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
13	E	ESE	E	ESE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
14	SSW	SSE	SSE	SSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
15	ESE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
16	SE	S	SSE	SSW	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	SSE	ESE	SSE	SSW	SE	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	SSE	ESE	SSE	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	S	SE	SSW	SSW	F	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
20	E	SE	SE	SE	SE	E	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
21	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
22	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	E	ESE	ESE	SE	S	NE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
24	ESE	SE	NNE	SE	SSE	FSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25	E	ENE	E	E	F	E	SE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
26	NE	E	E	E	FNE	ESE	E	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
27	E	SSE	ESE	FSE	SSE	S	E	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
28	ESE	SE	E	F	SSW	SSW	W	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
29	SSE	SSE	E	ESE	SE	FSE	ENE	SSE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
30	FNE	SE	SE	SSW	NW	NE	N	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
PV	(VAI)	SE	SE	ESE	(VAI)	FSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION (CC:102)

DEGREES

LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT #139

ROMANZA, UTAH

SITE 13

MAY, 1980

AFROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/4AR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	130	135	120	130	125	105	50	35	25	50	60	40	50	85	25	210	250	285	195	5	340	130	150	150	7
2	140	15	125	65	80	95	90	335	340	305	305	290	145	130	130	125	170	205	175	145	90	110	130	160	7
3	200	340	245	215	115	120	130	190	250	355	270	300	240	300	285	270	305	50	115	155	125	125	115	75	6
4	70	165	160	160	140	140	250	335	325	275	285	300	310	310	240	10	10	320	80	90	130	165	35	110	6
5	125	125	10	160	115	115	110	45	355	350	30	260	260	260	300	30	25	90	175	140	125	120	130	130	6
6	140	105	110	130	125	170	255	255	80	45	30	325	350	335	225	150	125	130	115	130	115	135	155	145	7
7	100	110	120	145	80	110	95	90	25	335	315	230	170	140	125	110	95	70	220	250	50	60	60	120	6
8	115	310	95	145	150	80	80	90	185	190	190	245	75	45	45	275	255	250	205	180	175	170	175	130	9
9	80	125	160	125	155	180	145	30	35	195	205	185	180	180	170	195	250	335	45	20	30	55	280	180	9
10	115	110	125	115	230	250	30	35	330	255	180	280	205	170	170	185	185	190	235	280	275	255	100	120	9
11	15	75	230	245	205	270	275	185	200	40	280	270	175	165	105	135	180	180	295	70	105	140	215	175	9
12	90	150	160	180	195	265	170	140	175	210	195	165	180	195	205	215	250	310	40	75	140	110	75	95	9
13	120	115	115	125	115	135	285	125	285	320	320	310	245	245	285	240	135	125	130	115	110	115	135	125	7
14	110	130	135	160	155	170	190	295	345	275	315	25	295	5	95	55	40	65	90	135	150	165	215	200	6
15	170	140	120	130	150	140	165	305	305	305	265	280	330	295	245	245	295	235	225	135	135	220	210	95	7
16	95	150	125	130	190	110	115	45	385	165	305	295	5	195	140	65	325	285	290	280	270	175	130	210	7
17	165	125	155	210	235	255	250	275	290	290	305	290	40	20	40	245	310	25	55	60	80	85	130	115	14
18	125	130	130	135	150	135	240	300	315	295	295	305	320	320	15	40	340	320	260	315	330	95	120	125	15
19	150	215	170	135	270	135	180	255	220	340	320	285	285	290	275	300	295	235	15	15	65	100	105	115	14
20	150	165	190	140	125	165	170	205	280	330	305	300	15	20	345	55	335	35	20	0	40	75	115	120	6
21	135	115	125	190	135	140	215	235	40	290	300	305	290	20	10	280	10	345	15	25	15	95	105	105	(VA)
22	115	125	110	105	145	105	335	60	5	275	290	305	315	0	135	185	155	135	130	175	210	170	120	95	6
23	140	180	190	180	185	145	160	165	185	170	170	150	150	155	160	160	170	165	165	150	140	105	115	145	6
24	165	160	155	150	155	150	150	165	155	155	155	170	170	160	210	240	205	190	115	150	155	0	0	0	9
25	0	0	0	0	0	0	0	0	190	200	245	220	200	200	215	205	250	285	25	50	90	110	100	120	9
26	105	115	110	145	195	160	35	295	20	310	305	335	165	205	165	250	175	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6
RV	6	7	7	8	7	7	9	(VA)	16	15	15	14	9	15	7	13	12	15	2	7	6	6	6	6	7

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT : 10 METERS

MAY, 1980

AFROVIRONMENT INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	SE	SE	ESE	SE	SE	ESE	NE	NE	ENE	NE	ENE	NE	E	NNE	SSW	WSW	WSW	WSW	SSW	N	NNW	SE	SSE	SSE	SSE	
2	SE	NNE	SE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
3	SSW	NNW	WSW	SW	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
4	ENE	SSE	SSE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
5	SE	SE	N	SSE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	
6	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
7	E	ESE	ESE	E	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
8	ESE	NW	E	SE	SSE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
9	E	SE	SE	SE	SSE	S	SE	NNE	NE	SSW	SSW	S	S	S	SSW	WSW	WSW	WSW	NNW	NE	NNE	N	S	S	S	
10	ESE	ESE	SE	ESE	SW	WSW	NNE	NE	NNW	WSW	S	W	SSW	S	S	S	S	S	SSW	W	WSW	E	ESE	E	S	
11	NNE	ENE	SW	WSW	SSW	W	W	S	SSW	NE	W	W	S	SSE	ESE	SE	S	S	NNW	ENE	ESE	SE	SW	S	S	
12	E	SSE	SSE	S	SSW	W	S	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
13	ESE	ESE	ESE	SE	ESE	SE	WNNW	SE	WNNW	NW	NW	NW	NW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	
14	ESE	SE	SE	SSE	SSE	S	S	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	
15	ESE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
16	E	SSE	SE	SE	S	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
17	SSE	SE	SSE	SSE	SW	WSW	W	W	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	
18	SE	SE	SE	SE	SSE	SE	WSW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	
19	SSE	SW	S	SE	W	SE	S	WSW	SW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	WNNW	
20	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	
21	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	
22	ESE	SE	ESE	ESE	SE	ESE	NNW	ENE	N	W	WNNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	
23	SE	S	S	S	S	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	
24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	ESE	ESE	ESE	SE	SSW	SSE	NE	WNNW	NNE	NW	NW	NW	NW	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	
PV	ESE	SE	SE	SSE	SE	SE	(VA)	NNW	NW	NW	NW	SW	SE	NW	W	WSW	NW	NNE	ENE	ENE	ESE	ESE	ESE	ESE	SE	

WHITE RIVER SHALE PROJECT, #119
 BOMANZA, UTAH
 SITE 13
 JUN, 1960
 AEROSPACE ENVIRONMENT INC.

WIND DIRECTION (CC) 021
 DEGREES
 LEVEL HEIGHT : 10 METERS

.....
 * FINAL DATA *
 * AS (IF SI/MAH/A) *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	290	120	115	135	120	165	245	305	10	285	280	280	280	110	105	170	250	115	25	205	110	110	115	115	6	
2	105	105	235	230	105	125	305	30	165	185	200	195	175	170	175	170	170	175	175	160	170	150	145	125	9	
3	125	105	115	135	170	125	130	110	150	165	180	180	170	165	175	160	170	160	160	175	175	170	190	160	8	
4	130	150	165	155	165	155	170	210	185	170	165	170	175	155	210	205	215	220	200	200	195	155	150	145	9	
5	160	155	185	125	110	145	155	165	275	330	325	265	160	180	190	205	215	215	200	200	180	165	160	175	9	
6	185	205	170	120	145	260	185	180	210	235	240	225	235	240	225	235	250	290	285	300	300	270	45	95	11	
7	110	110	105	145	165	230	300	295	280	285	355	250	290	250	275	255	330	315	10	55	100	110	125	110	6	
8	160	170	120	100	110	135	275	300	290	305	310	275	275	285	275	285	305	325	5	70	110	115	115	145	(VA)	
9	150	125	105	105	240	245	280	345	260	275	300	335	355	260	310	275	335	30	10	60	105	115	110	120	13	
10	150	110	125	130	135	185	310	30	0	315	340	310	170	175	160	175	195	190	195	165	170	160	145	325	9	
11	330	110	105	130	100	110	335	25	335	190	155	180	175	190	200	215	230	215	200	170	150	155	165	180	9	
12	170	185	190	165	180	50	5	215	200	205	190	215	185	195	190	200	170	180	175	185	170	175	175	175	25	10
13	135	120	175	240	185	245	325	330	290	285	175	165	180	175	190	190	195	190	205	190	175	175	175	25	9	
14	35	50	115	205	265	355	340	310	280	230	230	220	205	215	215	230	220	235	270	285	275	265	255	240	11	
15	250	55	85	90	105	105	110	100	290	225	275	295	260	275	285	290	285	285	305	295	270	260	145	130	19	
16	145	135	110	90	135	60	300	295	290	285	315	290	315	265	255	255	320	310	355	90	110	120	120	135	18	
17	180	115	130	170	210	40	280	330	310	305	280	270	280	275	315	310	320	325	190	145	125	120	120	150	15	
18	270	200	150	120	150	260	300	315	300	270	285	285	305	195	250	220	235	265	250	240	255	225	125	130	13	
19	135	95	135	100	130	100	110	70	300	255	275	295	290	160	170	205	255	245	295	115	120	105	125	160	7	
20	125	130	145	150	135	135	290	330	0	10	285	310	295	180	185	165	180	170	155	165	160	160	190	70	8	
21	200	205	80	115	170	85	295	10	355	310	300	245	175	235	225	270	260	265	200	180	175	165	170	130	9	
22	165	130	100	165	100	170	0	305	35	300	315	325	305	240	170	215	220	225	210	160	125	135	155	155	8	
23	170	170	145	95	100	125	130	145	175	180	170	175	190	190	205	195	205	190	190	175	150	210	140	140	9	
24	115	170	135	220	185	105	245	290	290	280	255	180	180	205	195	195	220	230	220	200	175	165	180	175	9	
25	170	110	160	145	130	95	35	15	300	330	200	165	175	200	200	200	195	210	195	200	210	175	190	140	9	
26	165	155	235	135	150	120	40	355	200	195	215	210	230	205	225	230	230	305	295	170	170	160	195	215	10	
27	270	270	260	265	245	265	285	315	305	320	300	300	290	295	295	295	300	305	295	290	245	150	110	155	14	
28	175	140	135	140	170	150	300	300	310	285	290	330	300	300	325	335	0	5	55	110	135	155	135	130	7	
29	125	125	170	110	125	225	50	20	315	300	290	305	285	300	295	265	280	275	220	155	170	130	125	165	19	
30	160	140	135	175	155	240	190	120	235	280	300	310	340	330	340	340	300	325	355	295	0	25	205	220	14	
PV	8	7	6	6	7	6	14	(VA)	14	14	14	14	9	10	10	10	10	11	10	9	9	8	7	7	0	

WIND DIRECTION (CC102)

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
GONARZA, UTAH
SITE 13

JUN, 1980

AEROENVIRONMENT INC.

*
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	MNW	ESE	ESE	SE	SE	ESE	S	WSW	NW	N	MNW	W	W	ESE	ESE	S	WSW	ESE	NNE	SSW	ESE	ESE	ESE	ESE	ESE
2	ESE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
3	SE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
4	SE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
5	SSE	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
6	S	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
7	ESE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
8	SSE	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
9	SSE	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
10	SSE	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
11	MNW	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
12	S	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
13	SE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
14	NE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
15	WSW	NE	E	E	ESE	ESE	E	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
16	SE	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
17	S	ESE	ESE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
18	W	SSW	SSE	ESE	SSE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
19	SE	E	SE	E	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
20	SE	E	SE	E	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
21	SSW	SSW	SSW	E	ESE	E	ESE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
22	SSE	SE	E	SSE	E	E	E	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
23	S	S	S	S	S	S	S	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
24	ESE	S	S	S	S	S	S	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
25	S	ESE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
26	SSE	SSE	SSE	SE	SE	ESE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
27	W	W	W	W	W	WSW	W	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
28	S	SE	SE	SE	SE	SSE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
29	SE	SE	SE	SE	SE	SE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
30	SSE	SE	SE	SE	SE	SSE	SE	WSW	NNE	SSE	S	SSW	S	SE	SE	S	S	ESE	S	S	ESE	ESE	ESE	ESE	ESE
PV	SSE	SE	ESE	ESE	SE	FSE	MNW	(VA)	MNW	MNW	MNW	MNW	S	S	SSW	SSW	SSW	SSW	SSW	S	S	SSE	SE	SE	S

WIND DIRECTION (CC102)
 DEGREES
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONARZA, UTAH
 SITE 13
 JUL, 1980
 AERODIVISMENT INC.

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 *
 * FINAL DATA *
 * AS OF 31/MAR/A *
 *
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	80	70	100	115	290	160	115	270	290	265	330	40	315	285	280	295	165	135	135	180	165	175	130	130	1a	
2	140	180	170	250	135	210	235	195	200	265	10	65	135	145	80	320	325	130	140	135	130	130	150	160	7	
3	135	150	235	160	90	115	95	345	315	305	335	0	45	10	275	200	215	250	235	205	285	65	105	105	1VA)	
4	125	105	70	65	85	95	105	345	280	230	290	305	300	305	280	310	330	255	245	175	145	145	140	135	1VA)	
5	175	155	120	120	110	170	0	350	310	290	300	295	260	240	245	235	260	240	235	155	165	140	200	205	1VA)	
6	205	105	110	125	115	215	305	300	20	320	260	295	305	275	235	230	200	195	190	155	165	125	130	220	1)	
7	125	155	140	160	140	190	250	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	A	
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	
17	135	135	110	190	170	200	110	60	325	305	310	305	295	305	290	245	250	290	295	315	320	285	140	140	155	1a
18	105	115	115	145	155	100	110	300	295	260	5	270	305	320	310	280	275	260	240	225	175	165	160	45	14	
19	155	215	225	140	125	115	160	320	25	305	300	300	315	285	230	265	255	300	310	305	300	275	240	14	14	
20	145	160	140	165	160	110	35	40	315	290	300	5	240	305	305	310	305	0	20	45	115	110	110	15	15	
21	130	125	195	120	200	160	150	295	310	300	285	295	280	265	325	295	295	300	315	290	155	150	120	130	1a	
22	100	135	155	245	135	145	155	310	40	15	335	305	320	305	295	300	315	325	305	265	235	205	200	160	15	
23	150	150	150	190	140	110	135	105	5	25	345	225	290	285	175	210	215	230	225	215	130	185	135	175	9	
24	140	125	155	175	205	190	135	225	340	30	5	280	290	305	315	325	295	295	345	75	90	90	100	120	15	
25	140	155	140	155	140	195	140	85	285	315	290	295	300	305	310	250	270	240	320	130	135	150	150	7	7	
26	120	105	95	120	165	120	185	130	295	5	300	320	325	300	285	300	300	35	50	110	145	145	120	110	6	
27	145	135	140	135	110	150	195	10	15	355	115	300	45	260	265	60	225	315	10	20	40	145	135	150	7	
28	140	155	160	215	145	180	150	295	320	320	295	315	300	340	280	295	320	300	325	350	160	145	130	150	1a	
29	215	110	130	150	155	180	160	275	35	310	325	270	305	240	195	30	55	265	270	295	230	285	250	140	13	
30	160	235	155	135	170	150	145	245	45	340	310	305	305	300	300	305	315	315	290	275	120	105	135	140	15	
31	145	130	140	135	145	150	235	330	330	25	10	0	20	55	30	320	275	300	305	300	290	275	140	165	1VA)	
PV	7	7	7	7	7	9	7	14	15	14	15	14	14	14	14	14	14	14	14	14	14	14	7	7	7	

WIND DIRECTION (CC102)

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT : 10 METERS

JUL, 1980

AEROENVIRONMENT INC.

* F)NAL DATA *
* AS OF 31/MAR/A1 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	E	ENE	E	ESE	W	SSE	ESE	W	WNW	WNW	WNW	WNW	NE	NW	WNW	W	WNW	S	SE	SE	B	S	S	S	SE	WNW
2	SE	S	S	S	SSW	SSW	SSW	SSW	SSW	W	N	ENE	SE	SE	E	NW	NW	SE	SE	SE	SE	SE	SE	SE	SE	WNW
3	SE	SSE	SW	SSE	E	ESE	SE	NW	NW	NW	NW	N	NE	N	W	SSW	SW	SW	SW	WNW	WNW	ENE	ESE	ESE	ESE	(VA)
4	SE	ESE	ENE	ENE	E	ESE	NW	W	SW	WNW	NW	NW	NW	NW	W	NW	NW	WNW	WNW	S	SE	SE	SE	SE	SE	(VA)
5	S	SSE	ESE	ESE	E	E	N	N	NW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	(VA)
6	SSW	ESE	ESE	ESE	S	N	N	N	NW	NW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
7	SE	SSE	SE	SSE	S	S	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	SE	SE	SE	S	S	S	ESE	ENE	NW	NW	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W
18	ESE	ESE	ESE	SE	E	E	ESE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	SSE	SW	SW	SE	ESE	SSE	SSE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
20	SE	SSE	SE	SSE	NE	NE	NE	NE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
21	SE	SE	SSW	ESE	SSW	SSE	WNW	WNW	WNW	WNW	WNW	WNW	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
22	E	SE	SSE	W	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
23	SSE	SSE	SSE	S	ESE	ESE	ESE	ESE	N	NNE	NW	SW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W
24	SE	SE	SSE	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
25	SE	SSE	SE	SSE	SE	SSW	SE	E	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
26	ESE	ESE	E	ESE	ESE	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
27	SE	SE	SE	SE	ESE	SSE	SE	N	NNE	N	ESE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	SE	SSE	SSE	SW	SE	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	SW	SSE	SSE	ESE	SSE	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
30	SSE	SW	SSE	SE	SSE	SE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
31	SE	SE	SE	SE	SE	SSE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SE	SE	SE	SE	S	S	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW

WIND DIRECTION ICC1021

WHITE RIVER SHALE PROJECT, #119
BONANZA, UTAH
SITE 13

LEVEL HEIGHT 1 10 METERS

AUG. 1960

AEROENVIRONMENT INC.

FINAL DATA
AS OF 31/MAR/61

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	SE	ESE	SE	SE	SSE	S	SW	WNW	NE	NW	NW	NW	NW	W	WNW	W	W	SSW	S	F	ESE	SE	SE	4F
2	ESE	SE	SE	SE	SE	SSW	SSE	SE	ENE	WNW	W	WNW	W	WNW	W	WNW	W	W	WNW	NW	NW	NW	NW	NW	WNW
3	SSE	SE	SE	SE	SSE	SSW	S	ESE	SSW	N	NW	NW	W	WNW	W	WNW	W	W	WNW	NW	NW	NW	NW	NW	WNW
4	W	WSW	E	ESE	SE	SE	SSE	ESE	ENE	NE	WNW	WNW	W	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
5	SSE	SE	SE	SE	SSE	SSE	SSE	SE	W	WNW	WNW	W	WNW	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
6	S	WSW	SSW	SSW	SSW	SSW	SSW	SSW	S	NE	WNW	WNW	W	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
7	8SE	SE	SSE	SE	SE	ESE	W	WNW	N	WNW	N	WNW	N	WNW	N	WNW	N	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
8	9SE	SE	SSE	SE	SE	SSE	W	WNW	WNW	W	WNW	WNW	W	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	9E	S	SSE	SSE	ESE	SSE	ESE	S	WSW	W	WNW	WNW	W	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
10	S	SE	SE	ESE	SE	SE	S	NNW	NNW	W	WNW	W	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
11	9SE	ESE	ESE	SE	ESE	ESE	NE	WNW	NW	W	WNW	N	WNW	W	WNW	NW	NNW	NW	NNE	ESE	SE	SSE	SSE	SSE	1VA
12	WSW	WSW	SSW	S	SE	S	WNW	NE	ENE	SW	WNW	WNW	N	SE	WNW	NE	SE	WNW	NE	E	SE	SSE	SSE	SSE	SSE
13	9SE	SE	W	SSW	SSE	SSW	SE	NW	NW	NW	NW	E	SE	S	NW	NE	E	SE	WNW	SE	WNW	WNW	WNW	WNW	WNW
14	9SE	SE	SE	SE	SE	SSW	SE	NW	NW	NW	NW	E	SE	S	NW	NE	E	SE	WNW	SE	WNW	WNW	WNW	WNW	WNW
15	W	9SE	SE	SE	SE	SE	SE	E	ESE	NW	NW	ESE	SE	S	WNW	NW	NW	WNW	WNW	SE	SSE	SE	SSW	SE	WNW
16	SE	SSE	S	S	WSW	S	S	NW	NNE	NW	W	WNW	W	WNW	W	WNW	N	NNE	NE	E	ENE	E	E	E	WNW
17	9E	SE	ESE	S	S	WNW	SE	SE	ENE	ENE	N	WNW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SE	SE	SSE	SE
18	S	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW
19	S	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW
20	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
21	9SE	SE	SE	SE	SE	SE	S	SE	NW	N	WNW	WNW	W	WNW	NW	NNE	NNW	NE	F	FSE	ESE	ESE	SE	SE	SE
22	SE	SE	SE	SE	SE	S	SE	ESE	WNW	NW	NNE	WNW	NW	N	NE	ENE	ESE	SE	SE	SE	SE	SE	SE	SE	SE
23	S	SSW	SSW	SSW	S	S	SSW	ENE	ESE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW
24	WSW	SSW	SSW	SSW	SSW	SSW	SSW	NE	NNE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
25	9W	SE	SE	SE	SE	SE	SE	W	SSE	WNW	WNW	W	S	N	NNW	NNW	ENE	ESE	S	S	SE	SE	SE	SE	SE
26	SSW	SSW	ESE	SSE	E	SSE	S	WNW	WNW	N	NNW	NE	NNE	NNW	WNW	WNW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
27	9SE	SE	SSE	SE	SE	SE	SE	W	NNW	N	NNW	NW	NW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
28	9W	SSW	SSW	SSW	SSW	SSW	SSW	E	ESE	ENE	NE	WNW	W	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW
29	S	SSW	SSW	SSW	SSW	SSW	SSW	SE	SE	SSW	SSW	SSW	SSW	S	S	SSW	S	SSW	S	SSW	S	S	S	S	SSW
30	WSW	SSW	S	S	E	NE	NE	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
31	8E	SE	SE	ESE	SE	SSW	SE	S	N	WNW	NW	NW	N	WNW	NW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
PV	SSE	SSE	SE	SE	SE	SE	SE	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S	SSE	SE	SSE	SE

WIND DIRECTION ICC1021

WHITE RIVER SHALE PROJECT, #139

HONANZA, UTAH

SITE 13

LEVEL HEIGHT : 10 METERS

SEP, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SE	S	SE	SE	ESE	ESE	ESE	SE	ENE	NNE	WNW	WNW	NW	NW	W	WNW	WNW	WNW	NW	ENE	SE	SE	SSE	SSE	SE
2	SE	SE	S	E	SSE	SSE	SSE	SE	NW	NE	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW	SE	S	S	S	SE
3	ESE	S	SSW	SSW	SE	SE	SE	SE	W	NW	WNW	WNW	W	WNW	W	WNW	WNW	WNW	WNW	WNW	W	SE	SE	SE	WNW
4	SE	ESE	SE	S	SSE	SSE	SSE	SE	WNW	NE	WNW	WNW	W	WNW	W	WNW	WNW	WNW	WNW	WNW	SE	SE	SE	S	WNW
5	SSE	SE	SE	S	ESE	SE	SE	SE	NW	NW	NW	NE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SE	SE	S	SE	IVAI
6	SW	SE	SSW	E	NE	ESE	WSW	W	W	SSW	WSW	W	W	W	W	W	W	W	W	W	SSE	SSE	SE	W	W
7	SE	SSW	SE	SE	SE	SE	SE	SE	NW	WNW	WNW	E	ESE	ENE	NNE	NNE	WSW	WSW	WSW	ESE	SE	S	S	W	ESE
8	W	MSW	SSE	SE	SE	SE	SE	SE	W	ENE	ENE	NE	NE	ESE	ESE	SSW	W	W	W	S	SSE	SE	SE	ESE	SE
9	SE	SE	SE	ESE	SE	ENE	SE	SE	W	ENE	ENE	NE	NNE	ESE	ESE	SSW	W	W	W	S	SSE	SE	SE	ESE	SE
10	W	W	W	N	NNE	NNE	NW	NW	NW	NW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
11	S	SSE	SE	SE	E	ESE	E	ESE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
12	S	SSE	NW	SW	SE	ESE	E	ESE	W	WNW	WNW	W	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	SSW	SSW	SSW	SSW
13	SSE	SE	SE	SE	SSE	SSE	ESE	E	W	NW	NW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
14	ESE	SE	SE	SE	SSE	SSE	SE	SE	W	E	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
15	E	SE	SE	SE	ESE	ESE	ESE	SE	NW	NW	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
16	SSW	SSW	E	ESE	ESE	ESE	ESE	SE	ENE	NE	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
17	SSE	SE	SE	SE	ESE	SE	SE	SE	E	N	WNW	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
18	SE	ESE	ESE	SE	SW	SE	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
19	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
20	SE	E	E	E	SSE	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
21	SSE	ESE	ESE	SSE	ESE	SE	SE	SE	ENE	N	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
22	ESE	ESE	E	SSE	SE	SE	SE	SE	W	WNW	WNW	NNE	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	SSW	SSW	SSW	SSW
23	S	SSE	S	S	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
24	SSE	SE	SE	SE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
25	ESE	SE	SE	ESE	SE	SE	SE	SE	W	W	W	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
26	SSE	SSE	S	S	SSW	SSW	SSW	SSW	W	NNE	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
27	ESE	SE	SSE	S	S	SSW	SE	ESE	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
28	S	SW	SE	SSW	SW	S	SW	N	W	WNW	WNW	W	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
29	SE	SE	ESE	SE	SSE	WSW	SSW	SSW	W	NW	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
30	SSE	S	SW	SE	SSW	SE	SSW	SSW	W	NW	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW
PV	SE	SE	SE	SE	SE	SE	SE	SE	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	SSW	SSW	SSW	SSW	SSW

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 OCT. 1980
 AFROENVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	85	125	155	205	170	220	195	245	25	305	300	305	305	290	280	245	30	105	105	80	130	125	200	80	1VA1
2	85	105	100	100	100	90	95	70	55	35	45	35	5	70	235	345	105	135	120	145	125	135	165	185	5
3	195	220	200	220	210	215	250	255	295	0	310	275	55	280	305	240	90	100	100	125	150	100	140	120	12
4	160	205	200	240	255	180	265	295	265	285	270	290	290	275	280	345	80	120	145	125	145	180	125	140	13
5	220	180	220	200	245	145	230	265	290	300	290	285	270	265	270	300	140	135	115	120	135	170	205	13	
6	100	170	130	120	195	210	245	330	285	295	275	285	285	285	255	265	255	150	130	125	155	200	165	13	
7	215	215	210	200	205	220	275	260	285	285	260	265	270	280	325	255	155	120	120	160	125	175	180	13	
8	170	190	165	200	195	195	165	270	315	300	285	290	270	305	30	0	195	135	125	145	145	125	95	1VA1	
9	165	235	240	190	195	155	230	255	260	285	280	270	280	265	300	310	270	125	130	75	105	135	110	130	13
10	170	140	150	105	135	120	175	25	40	25	40	25	0	300	315	300	285	160	115	140	150	100	150	155	A
11	185	165	170	220	215	120	220	275	310	275	300	275	270	255	260	290	25	175	180	150	355	85	65	13	
12	115	110	135	105	115	125	150	5	265	290	280	275	270	280	140	115	135	135	200	170	240	120	130	125	7
13	140	270	270	95	120	80	95	45	355	280	280	285	305	260	95	120	125	160	170	255	310	210	175	155	13
14	135	125	125	270	155	135	130	250	5	355	50	10	305	100	50	30	135	140	155	280	65	220	145	120	8
15	125	155	140	110	150	170	170	85	145	130	160	150	175	155	170	160	125	165	80	85	40	25	290	245	A
16	290	0	270	260	250	265	40	45	55	50	40	25	35	330	330	300	195	265	230	260	260	255	270	270	13
17	280	90	125	170	175	190	215	205	220	290	280	280	270	285	280	255	230	270	270	260	280	225	185	185	13
18	140	135	160	140	145	145	150	150	175	280	305	280	285	120	280	35	345	155	130	130	165	165	140	120	7
19	125	135	150	165	150	195	210	280	300	305	275	275	290	300	305	315	275	155	145	120	190	195	200	13	
20	190	145	205	225	195	215	200	275	280	295	285	270	300	280	275	265	225	145	125	140	185	160	230	145	13
21	165	175	185	115	210	275	140	215	15	30	330	290	285	305	275	265	185	130	135	160	160	175	175	160	A
22	190	175	175	85	85	120	110	25	330	275	280	290	285	295	300	295	290	305	335	320	340	150	125	120	14
23	155	130	125	95	90	95	110	90	80	60	70	70	335	290	270	259	285	130	115	160	145	135	165	240	1VA1
24	145	155	130	180	220	185	25	125	290	35	55	275	325	330	280	270	270	215	160	140	150	100	155	150	A
25	210	200	205	190	180	205	200	150	325	285	305	285	285	280	300	275	65	155	140	155	165	140	205	205	10
26	115	150	130	150	85	125	150	330	235	180	305	260	330	305	285	300	265	30	105	215	250	265	290	150	14
27	155	115	135	130	135	190	120	145	355	55	80	70	60	65	55	60	55	55	60	55	20	15	100	155	3
28	90	110	140	140	160	150	160	145	40	310	350	355	105	80	15	55	140	125	125	140	165	150	175	175	7
29	175	245	225	175	215	160	130	255	35	305	10	305	290	285	305	5	235	145	135	145	125	170	235	205	11
30	175	220	225	180	190	195	165	255	265	350	340	305	285	170	285	260	180	155	150	140	145	150	160	105	A
31	250	170	175	145	125	155	140	250	220	305	305	315	285	285	285	265	145	165	155	170	120	130	135	140	7
PV	9	7	8	6	6	9	8	12	14	14	14	14	14	14	14	13	14	7	7	7	7	A	A	A	7

WIND DIRECTION (CC1021)

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

LEVEL HEIGHT : 10 METERS

OCT, 1980

AEROVIRONMENT INC.

.....
* FINAL DATA
* AS OF 31/MAR/81
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	E	SE	SSE	SSW	S	SW	SSW	WSW	NNE	NW	WNW	NW	NW	WNW	W	WSW	NNE	ESE	ESE	E	SE	SE	SSW	E	(VA)
2	E	ESE	E	E	E	E	ENE	ENE	NE	NE	NE	N	N	ENE	SW	WNW	ESE	SE	SE	SE	SE	SE	SSE	E	E
3	SSW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WNW	N	NW	W	NE	W	NW	WSW	E	E	SE	SE	SE	SE	SE	E	WSW
4	SSE	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WNW	W	WNW	W	WNW	W	WNW	WSW	E	ESE	SE	SE	SE	SE	SE	E	W
5	SW	SW	SSW	SSW	SSW	SSW	WSW	WSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	ESE	SSW	SSW	W
6	E	SE	ESE	SSW	SSW	SSW	WSW	WSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
7	SW	SW	SSW	SSW	SSW	SSW	WSW	WSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
8	S	S	SSE	SSW	SSW	SSW	WSW	WSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
9	S	S	SSE	SSW	SSW	SSW	WSW	WSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
10	S	SE	SSE	ESE	ESE	ESE	S	NNE	NE	NNE	W	W	W	WNW	NW	WNW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
11	S	SSE	S	S	S	S	SSW	SSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
12	ESE	ESE	ESE	ESE	ESE	ESE	SSW	SSW	WNW	W	WNW	W	WNW	W	WNW	WSW	ESE	ESE	ESE	ESE	ESE	SSW	SSW	SSW	W
13	SE	W	E	ESE	E	E	ENE	N	W	WNW	W	W	W	W	SE	ESE	SE	SE	SE	SE	SE	SE	SSW	SSW	W
14	SE	SE	SE	W	SE	SE	WSW	N	N	NE	N	NW	E	NE	ENE	SE	ENE	SE	SE	SE	SE	SE	SSW	SSW	W
15	SE	SSE	SE	ESE	SSE	S	E	E	SE	SSE	SSE	S	SSE	S	SSE	SE	SE	SE	E	E	NE	NNE	WNW	SSW	W
16	WNW	N	W	W	WSW	WNW	NE	NE	NE	NE	NE	NE	NE	NE	NE	WNW	SSW	W	W	W	W	W	W	W	W
17	W	E	SE	S	S	S	SSW	SSW	SSW	WNW	W	W	W	WNW	WSW	SSW	W	W	W	W	W	W	W	W	W
18	SE	SE	SSE	SE	SE	SE	SSE	SSE	W	WNW	W	W	W	WNW	WSW	SSW	W	W	W	W	W	W	W	W	W
19	SE	SE	SSE	SSE	SSE	SSW	SSW	SSW	W	WNW	W	W	W	WNW	WSW	SSW	W	W	W	W	W	W	W	W	W
20	S	SE	SSW	SSW	SSW	SSW	SSW	SSW	W	WNW	W	W	W	WNW	WSW	SSW	W	W	W	W	W	W	W	W	W
21	SSE	S	S	ESE	SSW	W	SE	SSW	NNE	NW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W
22	S	S	S	E	E	E	ESE	ENE	ENE	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W
23	SSE	SE	SE	E	F	E	ESE	E	E	ENE	ENE	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W
24	SE	SSE	SE	S	SW	S	NNE	SE	WNW	NE	NE	W	W	WNW	W	W	W	W	W	W	W	W	W	W	W
25	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W
26	ESE	SSE	SE	SE	E	SE	SSE	SSW	SSW	S	NW	W	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W
27	SSE	ESE	SE	SE	S	ESE	SE	SE	N	NE	E	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W
28	E	ESE	SE	SE	SE	SSE	SSE	SE	E	NW	N	N	ESE	E	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
29	S	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W
30	S	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W
31	SSW	S	S	SE	SE	SSE	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W
PV	S	SE	SSE	ESE	S	S	SSE	WSW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W

WIND DIRECTION ICC1021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 NOV, 1980
 AEROENVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV	
1	155	205	180	230	250	190	200	225	265	295	290	310	335	265	350	295	275	155	150	135	175	145	285	105	14	
2	135	140	215	230	170	240	140	300	140	240	295	60	30	30	330	310	310	205	170	130	155	150	280	200	7	
3	90	195	223	275	245	185	160	130	295	50	15	75	310	305	300	270	285	40	130	150	95	140	115	125	1VAL	
4	160	190	169	235	255	219	170	245	220	350	290	290	305	290	10	25	175	140	150	130	175	145	220	11		
5	170	205	210	230	160	215	150	185	265	260	285	15	300	295	285	285	270	215	160	145	165	145	170	9		
6	200	205	220	220	175	120	160	200	110	195	310	155	325	295	315	335	215	145	165	290	235	215	180	195	10	
7	120	145	145	115	115	125	130	140	130	290	305	305	250	290	245	240	225	190	175	205	220	235	170	225	7	
8	255	225	235	215	210	225	235	225	240	295	300	305	300	305	290	10	160	145	140	150	155	120	140	110	A	
9	205	215	185	165	210	180	130	170	195	40	50	310	290	290	240	10	160	145	140	150	155	120	140	110	A	
10	120	160	140	135	95	160	155	145	120	275	275	280	260	280	280	250	180	165	160	150	140	175	155	A0	A	
11	135	145	150	165	100	150	110	150	335	310	285	285	305	300	225	265	175	275	195	190	210	230	175	180	A	
12	145	155	165	145	170	170	175	165	5	225	200	200	215	230	235	190	190	300	305	60	200	140	240	135	9	
13	120	115	165	95	50	75	75	75	65	75	70	65	70	65	65	90	80	70	75	80	80	90	90	85	5	
14	85	140	145	120	100	115	105	100	90	70	60	40	60	50	60	40	35	60	80	100	120	140	145	4		
15	120	145	135	140	120	185	140	150	70	0	305	330	285	10	15	40	50	75	45	70	55	95	90	90	3	
16	100	115	115	115	110	125	90	285	205	290	335	70	75	260	280	280	270	280	135	105	120	120	100	80	6	
17	150	130	135	130	130	185	165	190	280	285	305	295	290	255	260	270	245	150	135	165	160	170	200	180	8	
18	225	215	150	215	215	195	190	190	235	310	295	270	270	270	265	270	210	135	135	145	140	130	155	230	11	
19	160	165	210	185	165	185	205	130	230	335	295	290	270	320	305	240	195	185	145	140	130	125	130	145	A	
20	150	175	135	220	160	195	130	145	205	295	300	300	280	290	280	275	260	175	135	140	165	225	280	260	13	
21	190	225	210	130	165	205	180	190	235	300	310	15	40	295	280	245	245	155	135	165	130	135	130	130	7	
22	55	300	125	160	160	125	185	100	225	270	30	40	30	355	265	140	115	135	135	125	145	160	135	130	A	
23	145	185	200	140	200	170	195	185	240	280	300	315	305	310	340	345	60	150	140	220	160	55	275	160	10	
24	25	330	300	330	10	290	290	300	295	290	280	290	305	305	310	340	180	55	90	85	90	100	105	95	14	
25	0	10	10	5	10	10	10	10	10	15	35	200	280	265	255	265	180	150	140	160	165	145	175	265	1	
26	180	240	240	240	240	240	240	240	240	240	275	300	300	290	295	260	160	125	160	150	135	160	165	250	12	
27	240	220	260	165	150	205	145	280	135	270	270	335	30	15	240	230	290	265	285	175	130	180	110	170	13	
28	125	170	130	145	140	130	215	150	285	155	315	290	300	280	280	260	230	125	130	145	130	115	115	195	7	
29	95	155	110	130	130	160	155	130	260	305	285	290	245	270	40	175	150	115	125	150	125	150	135	190	7	
30	165	95	210	140	135	205	110	160	225	170	260	225	320	240	210	245	235	240	185	195	215	220	205	245	11	
PV	7	7	7	7	8	9	8	9	11	14	14	14	14	14	13	13	9	A	7	A	7	7	7	7	9	A

WIND DIRECTION ICC1021

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13

LEVEL HEIGHT : 10 METERS

NOV. 1980

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SSW	S	SW	WSW	S	SSW	SW	W	WNW	WNW	WNW	WNW	W	N	WNW	W	SSE	SSE	SE	S	SE	WNW	ESE	WNW
2	SE	SE	SW	SW	WSW	S	SSW	SE	WNW	SE	WNW	ENE	ENE	NNE	WNW	NW	NW	SSW	S	SE	SSE	SE	WNW	ESE	SE
3	E	SSW	SW	W	WSW	S	SSW	SE	WNW	NE	WNW	ENE	ENE	N	WNW	W	WNW	NE	SE	SSE	E	SE	ESE	SE	(VA)
4	SSE	S	SSE	SW	WSW	S	SSW	SW	W	N	WNW	WNW	WNW	WNW	WNW	WNW	N	SSE	SSE	SE	S	S	SE	SW	SW
5	S	SSW	SSW	SW	SSE	S	SSW	S	W	W	WNW	NNE	WNW	WNW	WNW	WNW	W	SW	SSE	SSE	S	S	SSE	S	S
6	SSW	SSW	SW	SW	S	ESE	SSW	SSW	ESE	SSW	NW	SSW	SSW	NW	NW	NW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
7	ESE	SE	ESE	ESE	SE	SE	SE	SE	SE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
8	WSW	SW	SW	SW	SSW	S	SSW	SW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	SSW	SW	S	SSE	SSW	S	SSW	SE	SE	SE	SE	SE	SE	N	SSW	N	SSE	SE	SE	SE	S	S	ESE	SSE	SSE
10	ESE	SE	SE	E	SSW	E	SSW	SE	ESE	W	W	W	W	W	W	WSW	S	SSE	SSE	SE	S	S	E	SSE	SSE
11	SE	SE	SSE	SSE	E	SSE	ESE	SSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
12	SE	SSE	SSE	SE	S	S	S	SSE	N	SW	SSW	SSW	SSW	SSW	SSW	S	S	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
13	ESE	ESE	SSE	E	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	ENE	ENE	E	E	E	E	E	E
14	E	SE	SE	ESE	E	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
15	ESE	SE	SE	SE	ESE	S	SE	SSE	ENE	N	NW	WNW	WNW	N	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
16	E	ESE	ESE	ESE	ESE	SE	E	WNW	SSW	WNW	WNW	ENE	ENE	W	W	W	W	W	SE	ESE	ESE	E	E	E	E
17	SSE	SE	SE	SE	SE	SE	SE	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
18	SW	SW	SSE	SW	SW	SSW	S	S	SW	NW	WNW	W	W	W	W	W	SSW	SE	SE	SE	SE	SE	SSW	SSW	SSW
19	SSE	SSE	SSW	S	SSE	S	SSW	SE	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
20	SSE	S	SE	SW	SSW	S	SSW	SE	SE	SSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
21	S	SW	SSW	SE	SSE	S	SSW	S	S	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
22	NE	WNW	SE	SSE	SE	SE	S	E	SW	W	NNE	NE	NNE	N	W	S	ESE	SE	SE	SE	SE	SE	SE	SE	SE
23	SE	SSW	SE	SSW	SSW	S	SSW	S	SSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
24	ENE	WNW	WNW	WNW	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	S	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
27	WSW	SW	W	SSE	SSE	SSE	SSE	W	SE	W	W	RNW	RNE	RNE	RNE	W	W	W	W	W	W	W	W	W	W
28	E	S	SE	SE	SE	SE	SE	SE	WNW	SSE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
29	E	SSE	ESE	SE	SE	SSE	SSE	W	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
30	SSE	E	SSW	SE	SE	SSW	ESE	SSE	SW	S	W	SW	NW	SSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
PV	SE	SE	SE	SE	SSE	S	SSE	S	SW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW

WIND DIRECTION ICC:021
 DEGREES
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 DEC. 1980
 AFROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	150	140	150	140	170	170	275	270	280	270	290	290	270	265	220	210	225	135	130	175	195	260	180	13	
2	125	140	250	300	130	210	90	125	110	165	300	305	315	340	225	200	115	115	110	40	160	275	150	7	
3	100	155	70	110	135	235	195	255	300	210	265	55	335	280	285	235	185	175	185	190	190	155	125	140	4
4	100	120	205	45	215	335	140	180	195	195	200	205	210	210	215	210	195	245	170	175	185	190	165	10	
5	190	180	150	235	175	190	225	70	65	120	300	290	300	255	200	260	285	250	295	50	135	125	120	150	9
6	130	235	175	205	165	250	230	285	290	300	285	135	100	25	10	60	150	190	225	215	240	135	150	145	11
7	140	115	230	160	285	110	85	50	140	45	5	5	0	330	30	15	290	315	55	105	105	100	100	45	6
8	80	50	25	330	65	70	40	265	95	10	25	10	300	310	300	280	240	180	155	135	130	135	215	160	1VAL
9	175	260	200	110	50	225	355	215	280	265	275	280	265	295	300	205	125	130	140	170	170	135	140	155	13
10	185	155	160	245	150	165	220	110	25	270	25	65	55	275	285	255	255	165	135	125	140	135	115	7	
11	220	120	150	110	110	125	150	115	75	185	280	295	290	280	260	255	220	145	140	140	145	140	220	7	
12	105	145	145	155	190	175	145	145	140	270	285	300	10	255	265	255	170	150	100	145	120	125	200	7	
13	105	210	130	180	225	170	180	165	235	285	280	295	285	10	270	270	190	135	120	185	150	120	125	180	9
14	130	170	165	155	125	135	185	110	105	90	280	35	280	270	285	305	280	160	135	120	175	165	140	150	7
15	150	195	165	105	35	105	135	30	320	40	280	285	270	300	10	30	130	210	275	160	155	170	195	140	A
16	185	125	145	175	135	205	65	60	110	290	290	340	285	295	280	285	250	150	145	125	160	90	120	195	7
17	170	205	155	150	120	125	165	90	150	85	265	280	15	255	255	265	180	115	120	130	105	115	115	140	A
18	130	90	135	130	165	110	65	115	90	265	265	270	245	270	260	275	235	150	145	190	120	165	115	140	7
19	95	145	70	125	165	200	215	115	230	305	285	10	205	280	280	255	195	130	155	145	125	170	205	135	7
20	145	185	205	200	160	230	165	155	185	305	285	310	285	295	280	265	200	155	155	115	145	160	135	140	A
21	135	175	195	235	205	125	220	190	80	285	280	320	255	270	35	315	195	150	145	100	125	220	160	175	11
22	130	145	70	100	350	125	115	135	120	65	60	70	65	110	240	210	185	200	90	145	115	175	215	200	7
23	75	95	105	190	165	110	140	165	130	210	265	285	320	355	255	265	150	140	165	160	200	145	275	240	7
24	100	140	220	200	180	140	195	135	260	325	310	315	280	270	295	205	260	140	150	170	140	285	160	145	7
25	125	155	155	225	170	150	135	180	85	295	300	300	295	285	280	205	250	145	125	210	180	170	220	280	7
26	215	240	205	215	155	260	140	270	115	285	325	290	255	260	345	250	155	160	140	145	130	150	235	175	7
27	35	30	30	140	60	90	75	150	150	230	200	235	320	280	245	235	190	145	125	120	130	150	130	170	7
28	130	130	175	185	115	115	140	160	90	10	320	350	265	275	280	265	230	160	150	160	170	185	195	145	9
29	165	145	110	120	165	195	225	140	195	265	295	260	255	275	245	215	180	155	150	135	170	205	160	155	A
30	135	180	225	200	180	140	155	175	165	70	305	5	290	285	275	275	270	155	160	140	145	115	150	240	A
31	155	190	130	175	145	200	150	120	170	285	320	310	270	270	280	270	250	160	170	160	145	150	160	180	A
PV	7	7	8	9	A	7	7	7	6	14	14	14	13	13	13	13	10	A	7	7	7	A	7	9	A

WIND DIRECTION (CCI021

WHITE RIVER SHALE PROJECT, #139
RONANZA, UTAH
SITE 13

LEVEL HEIGHT 1 10 METERS

DEC. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PREV
1	SSE	SE	SSE	SE	S	S	W	W	W	W	W	W	W	W	W	W	W	W	SE	SE	SE	W	W	W	W
2	SE	SE	W	W	SE	SE	E	ESE	ESE	SSE	W	W	W	W	W	W	W	W	ESE	ESE	W	W	W	W	W
3	E	SSE	ENE	ESE	SE	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	S	S	SSE	SE	SE	SE	S
4	E	ESE	SSW	NE	SW	NNW	SE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	S	S	S	S	SSW
5	S	S	SSE	SW	S	S	S	ENE	ENE	ENE	W	W	W	W	W	W	W	W	WSW	WSW	SE	SE	SE	SE	S
6	SE	SW	S	SSE	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	W	W	WSW	WSW	SE	SE	SE	SE	S
7	SE	ESE	SW	SSE	W	W	E	NE	SE	NE	N	N	N	N	N	N	N	N	NE	ESE	E	E	E	E	ESE
8	E	NE	NNE	NNW	ENE	ENE	W	W	W	W	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	(VA)
9	S	W	SSW	ENE	NE	SW	N	SW	W	W	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	W
10	S	SSE	SSE	SSW	SSE	SSE	SW	ESE	NNE	W	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	W
11	SW	ESE	SSE	ESE	ESE	SE	SSE	ESE	ENE	S	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	W
12	ESE	SE	SE	SSE	S	S	SE	SE	SE	W	W	W	W	W	W	W	W	W	ESE	E	SE	SE	SE	SE	W
13	ESE	SSW	SE	S	SW	S	S	SE	SW	W	W	W	W	W	W	W	W	W	ESE	ESE	SE	SE	SE	SE	S
14	SE	S	SSE	SSE	SE	SE	S	ESE	ESE	E	W	W	W	W	W	W	W	W	ESE	ESE	SE	SE	SE	SE	S
15	SSE	SSW	ESE	ESE	NE	ESE	SE	ESE	ENE	W	W	W	W	W	W	W	W	W	SE	SE	SE	SE	SE	SE	S
16	S	SE	SE	SE	S	S	ENE	ENE	ENE	W	W	W	W	W	W	W	W	W	SE	SE	E	E	E	E	SSE
17	S	SSW	SSE	SSE	SSE	SSE	E	ESE	ESE	E	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
18	SE	E	SE	SE	ENE	ENE	ESE	ESE	E	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
19	E	SE	ENE	SE	SSE	SSW	SW	ESE	SW	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
20	SE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
21	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
22	SE	SE	ENE	E	N	SE	ESE	ESE	ESE	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
23	ENE	E	ESE	S	SSE	FSE	SE	SE	SE	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
24	E	SE	SW	SSW	S	SE	SSW	SE	W	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
25	SE	SSE	SSW	SSW	SSE	SSE	SE	S	E	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
26	SW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
27	NE	NNE	NNE	SE	ENE	ENE	E	ENE	SSE	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
28	SE	SE	S	S	ESE	ESE	E	ESE	E	N	N	N	N	N	N	N	N	N	ESE	ESE	ESE	ESE	ESE	ESE	SSE
29	SSE	SE	ESE	ESE	SSE	SSW	SSW	SSW	SSW	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
30	SE	S	SW	SSW	S	SE	SSE	SSE	SSE	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
31	SSE	S	SE	S	SE	SSW	SSE	ESE	S	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE
PV	SE	SE	SSE	S	SSE	SE	SE	ESE	W	W	W	W	W	W	W	W	W	W	ESE	ESE	ESE	ESE	ESE	ESE	SSE

TEMPERATURE (CC:1031
 DEGREES CELSIUS
 LEVEL HEIGHT : 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BOMANZA, UTAH
 SITE 13
 JAN, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	()
10	1	-2	2	2	2	2	4	3	4	4	4	4	3	3	2	2	2	2	2	2	2	2	0	1	2	5
11	-11	-12	-12	-13	-16	-16	-16	-15	-12	-11	-9	-6	-2	-6	-8	-8	-8	-8	-8	-8	-6	-6	-10	-11	-1	-1
12	-9	-9	-9	-9	-9	-9	-8	-8	-8	-9	-7	-7	-6	-6	-5	-7	-9	-9	-8	-8	-8	-9	-10	-10	-9	-2
13	-12	-12	-12	-12	-11	-11	-10	-6	-5	-2	-2	-1	1	0	-1	-2	-2	-2	-2	-2	-3	4	5	5	-5	
14	5	5	6	5	5	6	-1	-2	0	2	3	3	2	2	1	1	0	-1	-2	-2	-2	-2	-2	-2	1	6
15	-2	-3	-3	-3	-3	-3	-4	-4	-2	-2	-1	0	1	1	2	1	0	-2	-4	-4	-4	-3	-3	-3	-2	2
16	-3	-3	-3	-2	-2	-3	-4	-4	-2	-2	0	0	1	0	0	-1	-2	-2	-2	-2	-3	-3	-3	-2	1	0
17	-2	-2	-2	-2	-3	-4	-4	-4	-4	-3	-2	0	-1	-1	-1	0	-1	-2	-2	-2	-3	-2	-3	-2	0	0
18	-2	-3	-2	-3	-4	-4	-4	-4	-4	-3	-1	-1	0	1	0	-1	-2	-2	-2	-2	-2	-3	-3	-2	1	0
19	-4	-4	-5	-7	-8	-8	-7	-8	-9	-6	-6	-6	-6	-6	-6	-7	-7	-7	-9	-10	-10	-9	-8	-9	-7	-4
20	-10	-10	-11	-10	-11	-10	-10	-10	-10	-9	-6	-4	-5	-5	-7	-7	-7	-7	-8	-9	-10	-11	-11	-10	-9	-4
21	-9	-8	-8	-8	-8	-8	-8	-9	-8	-8	-7	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-6	-6
22	-6	-8	-8	-8	-8	-8	-8	-8	-9	-9	-7	-6	-6	-6	-6	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4
23	-11	-12	-12	-12	-12	-13	-13	-13	-13	-13	-11	-10	-9	-10	-8	-8	-8	-8	-8	-9	-9	-9	-9	-8	-7	-4
24	-11	-11	-11	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7	-4
25	-11	-11	-10	-10	-10	-10	-10	-10	-10	-10	-9	-9	-9	-9	-6	-5	-3	-3	-2	-4	-5	-5	-7	-8	-2	0
26	-9	-11	-11	-11	-11	-12	-12	-12	-12	-13	-13	-11	-8	-6	-7	-6	-5	-6	-6	-8	-9	-10	-11	-14	-10	-5
27	-15	-14	-14	-14	-14	-14	-14	-14	-14	-15	-15	-13	-12	-11	-8	-8	-8	-8	-8	-9	-10	-11	-14	-15	-10	-5
28	-9	-9	-9	-9	-9	-8	-9	-9	-9	-11	-10	-10	-10	-10	-8	-8	-8	-8	-8	-9	-9	-9	-9	-9	-8	-7
29	-11	-11	-10	-10	-10	-10	-10	-10	-12	-12	-10	-9	-6	-1	0	-4	-2	-5	-6	-7	-10	-11	-12	-12	-9	-8
30	-10	-9	-11	-12	-15	-14	-17	-19	-21	-20	-17	-12	-8	-6	-6	-4	-4	-6	-6	-6	-7	-10	-11	-12	-9	-8
31	-20	-20	-22	-22	-22	-22	-23	-23	-24	-24	-17	-14	-11	-10	-5	-4	-4	-6	-6	-6	-6	-7	-7	-7	-5	-4
AV	-8	-6	-6	-6	-6	-9	-9	-9	-9	-9	-7	-5	-4	-4	-4	-4	-4	-5	-6	-6	-7	-7	-8	-8	-7	1
SD	6	6	6	6	6	6	6	6	6	6	6	5	4	4	4	3	3	3	4	4	4	5	5	5	6	1

TEMPERATURE (CC1031

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

FEB. 1980

AEROVIRONMENT INC.

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CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-18	-19	-18	-17	-17	-18	-18	-21	-21	-17	-17	-12	-13	-9	-9	-10	-10	-9	-13	-16	-17	-17	-17	-17	-16	-9
2	-18	-18	-18	-13	-13	-13	-14	-21	-21	-18	-13	-11	-10	-9	-8	-4	-5	-6	-6	-12	-14	-14	-14	-14	-14	-4
3	-13	-14	-14	-13	-13	-13	-14	-14	-14	-10	-6	-6	-3	1	3	-1	-4	-7	-10	-11	-11	-11	-11	-11	-10	-9
4	-9	-10	-9	-10	-11	-14	-14	-13	-13	-10	-6	-4	-2	-2	-5	-2	-2	-4	-7	-10	-11	-12	-12	-13	-9	-2
5	-13	-13	-14	-14	-16	-15	-16	-16	-15	-13	-10	-7	-1	-3	-1	1	-4	-4	-8	-10	-12	-11	-3	-12	-10	1
6	-11	-11	-11	-12	-13	-14	-14	-14	-13	-11	-8	-7	-5	-4	-6	-7	-4	-4	-4	-9	-8	-8	-8	-9	-10	-4
7	-10	-9	-9	-9	-9	-9	-9	-6	-6	-1	-4	-3	-2	-1	-1	-2	-3	-4	-4	-5	-6	-8	-9	-12	-4	-1
8	-10	-12	-12	-15	-18	-18	-19	-14	-8	-9	-7	-7	-7	-8	-7	-8	-13	-15	-13	-16	-19	-20	-21	-21	-13	-7
9	-22	-22	-22	-23	-23	-23	-16	-13	-13	-12	-11	-9	-9	-11	-13	-17	-19	-20	-20	-21	-21	-22	-22	-23	-18	-8
10	-23	-22	-23	-22	-22	-15	-14	-13	-8	-9	-9	-11	-13	-15	-17	-18	-19	-20	-21	-21	-21	-22	-22	-22	-18	-8
11	-22	-20	-19	-13	-12	-10	-8	-6	-7	-9	-9	-9	-11	-14	-15	-17	-19	-19	-19	-20	-19	-20	-20	-21	-14	-6
12	-21	-20	-18	-16	-13	-12	-9	-7	-6	-9	-9	-11	-14	-15	-15	-17	-17	-18	-18	-18	-17	-18	-17	-17	-15	-7
13	-17	-14	-10	-7	-4	-4	-3	-2	-4	-6	-9	-11	-12	-12	-12	-12	-11	-10	-10	-10	-9	-9	-9	-9	-9	-2
14	-6	-7	-5	-4	-3	-3	-2	-2	-3	-4	-5	-5	-7	-8	-6	-9	-9	-6	-9	-9	-9	-8	-8	-8	-6	-2
15	-6	0	1	0	2	1	2	1	-2	-3	-4	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-4	-2
16	-9	-7	-4	-4	-2	0	1	0	-4	-5	-6	-6	-6	-6	-6	-6	-5	-5	-5	-5	-5	-6	-6	-6	-5	1
17	-5	-4	-2	-1	0	0	3	2	1	0	-1	-2	-2	-2	-2	-2	-1	-2	-2	-2	-2	-2	-2	-2	-1	3
18	-1	2	4	7	3	3	0	-3	-3	-2	-1	0	0	0	0	0	0	0	0	-2	-3	-2	-2	-3	0	7
19	-4	-1	3	6	6	6	6	7	6	5	4	3	3	3	2	2	1	-2	-2	-1	0	0	0	0	0	7
20	-1	0	1	1	1	1	2	5	4	5	4	3	0	-1	-1	0	-1	-2	-2	-2	-2	-2	-2	-2	0	5
21	-3	-3	-2	1	2	1	1	3	2	3	1	0	-1	-2	-3	-3	-4	-3	-3	-3	-4	-3	-3	-3	-1	3
22	-3	-3	-3	-3	0	1	2	2	3	4	4	4	3	0	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	0	4
23	-3	-5	-4	-3	-2	-1	0	1	2	4	4	2	0	0	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	4
24	-7	-7	-8	-8	-5	-3	-3	-1	-1	1	1	2	3	2	-1	-3	-4	-5	-6	-6	-7	-8	-8	-8	-4	3
25	-8	-8	-8	-8	-6	-3	-2	-1	0	-1	1	2	3	2	0	-2	-2	-3	-3	-4	-4	-6	-7	-7	-3	3
26	-7	-7	-7	-7	-5	-3	0	-1	0	2	2	-1	2	3	3	0	-1	-2	-3	-3	-4	-5	-5	-4	-2	5
27	-6	-6	-7	-7	-5	-2	0	2	4	5	6	7	8	8	5	2	1	0	-2	-3	-4	-5	-4	-4	0	8
28	-4	-4	-4	-4	-3	-1	1	3	5	6	7	7	8	8	7	5	4	2	1	0	0	0	-1	-1	0	8
29	-1	-1	-2	-3	-3	-1	1	2	3	5	5	5	7	6	5	2	1	1	1	0	-1	-1	-1	-1	1	7
AV	-10	-9	-9	-8	-7	-7	-6	-5	-5	-4	-3	-3	-3	-3	-4	-5	-6	-6	-6	-7	-8	-7	-7	-7	-6	1
SD	7	7	7	8	8	8	8	8	8	7	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	1

TEMPERATURE ICC1031

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
BONANZA, UTAH
SITE 13
MAR, 1980
AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/A1 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	-2	-2	-2	-3	-3	-4	-3	-2	-1	0	1	3	3	5	4	3	3	0	-2	-3	-3	-1	-3	-4	-1	5
2	-3	-4	-6	-6	-6	-7	-5	-4	-2	0	1	3	5	4	5	4	4	2	1	0	-1	-1	-1	-1	-1	5
3	-2	-2	-2	-2	-2	-2	-2	-2	-1	1	3	4	4	4	5	3	0	1	-1	-2	0	1	1	0	0	5
4	0	0	0	0	0	0	0	0	0	1	3	3	3	4	5	6	6	5	4	3	1	0	1	0	2	6
5	-1	-2	-2	-2	-2	-2	-1	-1	0	3	4	4	6	6	5	5	5	4	3	1	0	2	2	3	2	6
6	3	4	3	0	-1	0	0	-1	-2	-1	2	0	-1	1	1	2	2	3	1	-5	-4	-4	-3	-3	0	4
7	-3	-2	-2	-2	-1	-2	-4	-4	-2	1	2	0	0	1	2	4	5	1	0	-1	-1	-1	-2	-2	-1	5
8	-1	-1	-1	-1	-4	-5	-6	-5	-3	-1	1	3	3	4	5	4	4	3	2	1	0	0	0	0	0	5
9	-1	-2	-4	-6	-5	-5	-5	-3	-3	0	2	3	4	-1	-8	-7	-6	-5	-6	-6	-6	-6	-9	-9	4	4
10	-6	-2	-3	-3	-3	-4	-3	-4	-5	-2	1	3	2	3	4	6	7	8	7	5	4	2	2	-2	1	4
11	-3	-3	-3	-4	-4	-6	-5	-6	-5	-4	-2	1	3	6	6	6	8	6	5	5	4	1	0	0	0	4
12	0	0	1	-1	-2	-1	-1	-2	-4	-6	-4	-2	-1	0	1	2	3	3	2	0	-2	-3	-4	-5	-1	3
13	-5	-5	-5	-6	-6	-5	-7	-10	-8	-4	-2	1	3	4	6	7	8	4	4	4	3	2	2	1	0	4
14	2	1	1	0	-1	-5	-6	-6	-4	1	4	6	9	10	11	13	11	11	10	9	8	4	7	5	4	13
15	5	7	8	5	5	3	1	1	3	3	6	8	10	8	6	7	8	9	9	8	5	3	4	4	4	6
16	3	0	-2	-3	-3	-4	-4	-5	-5	-4	-3	-1	-3	-2	-2	-1	-1	-1	-2	-2	-2	-4	-6	-7	3	3
17	-9	-10	-11	-10	-10	-9	-10	-9	-6	-3	-1	-2	0	2	4	5	4	4	3	2	1	0	-4	-5	-3	5
18	-4	-7	-7	-6	-8	-9	-8	-4	-1	-2	0	2	3	6	6	8	7	6	4	3	1	0	0	-2	-1	8
19	-2	-3	-3	-4	-4	-4	-3	-4	1	1	3	5	6	7	8	9	9	7	7	3	1	-1	-2	-2	1	9
20	-3	-3	-5	-5	-4	-8	-7	-3	-1	2	4	6	8	9	10	11	9	5	4	4	3	2	0	-1	2	11
21	0	1	-2	-2	-1	-3	-1	4	8	10	11	12	12	4	1	1	1	1	1	0	0	0	0	1	0	12
22	1	0	-3	-3	-2	-3	-1	1	1	2	4	5	6	4	3	3	3	2	1	0	0	1	0	0	1	6
23	-3	-3	-4	-4	-3	-3	-2	1	3	3	6	5	6	6	7	6	6	6	6	5	5	5	2	-2	2	7
24	-3	0	-1	-2	-2	-2	-1	0	2	2	3	4	5	6	7	6	6	3	2	-1	-1	-4	-4	-2	1	7
25	-3	-3	-4	-4	-4	-4	-5	-6	-6	-6	-5	-3	-4	-4	-2	-1	-1	-1	-2	-7	-7	-6	-6	-6	-4	-1
26	-6	-5	-5	-5	-5	-5	-10	-8	-5	-4	-1	2	4	4	4	4	4	2	0	-1	-2	-2	-2	-3	-2	4
27	-3	-3	-4	-5	-7	-8	-7	-4	-2	0	2	4	5	6	6	4	4	0	-2	-3	-3	-4	-3	-3	-2	6
28	-3	-3	-4	-6	-6	-6	-5	-4	-3	0	1	1	0	1	1	0	0	0	0	0	0	-1	0	0	-2	1
29	-1	-4	-4	-4	-5	-6	-2	-3	-2	1	3	5	3	4	6	6	6	7	7	6	4	3	2	-2	1	7
30	-2	-2	-2	-2	-2	-2	-3	-3	-2	1	1	0	2	4	5	-1	-3	-6	-6	-6	-5	-4	-10	-11	-3	5
31	-11	-11	-11	-11	-11	-11	-11	-9	-4	-8	-5	-3	-2	-2	0	2	2	1	0	-2	-4	-5	-5	-2	-5	2
AV	-2	-2	-3	-3	-4	-4	-4	-4	-3	-1	1	2	3	4	4	4	4	3	2	1	0	-1	-1	-2	0	1
SD	3	3	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	1

ADJUST (29 JAN 81)

TEMPERATURE (CC1031)
 DEGREES CELSIUS
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 APR, 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	-1	-2	-3	-4	-5	-5	-7	-7	-6	-5	-6	-6	-6	-4	-3	-1	0	1	3	2	0	0	-1	-2	-3	3	
2	-4	-5	-5	-4	-4	-5	-5	-5	-6	-7	-2	-1	0	2	2	2	2	2	1	1	1	-1	-4	-5	-6	2	
3	-7	-7	-7	-7	-7	-7	-4	-1	1	3	3	5	6	7	8	8	7	6	4	2	0	0	-1	0	0	8	
4	0	-1	-2	-2	-3	-2	0	3	5	8	11	12	12	14	16	15	15	12	9	7	7	7	6	4	4	16	
5	5	4	3	2	2	-1	1	4	6	10	12	15	15	16	15	14	12	12	9	8	7	6	6	5	8	16	
6	6	6	6	3	2	2	4	6	7	8	11	12	12	10	10	10	10	9	8	7	4	5	4	4	7	12	
7	4	1	-2	-2	-2	-2	-2	-2	0	2	3	4	3	3	5	5	4	3	2	1	1	1	-2	-3	4	7	
8	-4	-6	-6	-4	-3	-3	0	4	7	8	11	13	15	16	17	17	11	10	13	12	6	6	3	1	1	5	
9	0	-2	-3	-4	-3	-3	0	4	7	8	11	13	15	16	17	17	11	10	13	12	6	6	3	1	1	11	
10	5	6	6	5	7	8	8	6	8	9	10	10	10	10	10	9	8	7	4	3	-2	1	0	0	-1	6	
11	-1	-2	-2	-4	-5	-4	-2	0	1	2	4	5	6	6	5	6	6	5	2	1	0	0	0	-2	1	6	
12	-3	-4	-5	-6	-7	-6	-3	-1	1	4	5	6	6	5	5	6	6	5	2	1	0	0	-2	0	-1	2	
13	-3	-5	-5	-6	-7	-6	-3	0	2	5	6	8	9	11	12	11	10	8	5	5	3	2	0	0	-1	2	
14	-3	-4	-4	-6	-7	-6	-3	1	6	9	12	15	16	17	18	17	17	14	12	12	11	11	9	9	8	12	
15	7	3	1	0	0	0	4	9	12	15	18	19	18	18	18	18	17	16	14	13	12	10	9	5	11	19	
16	3	2	0	-2	0	4	9	9	12	15	14	16	16	16	16	17	17	15	13	12	10	7	5	3	9	17	
17	1	1	0	-1	-2	0	3	9	11	13	16	18	19	20	21	21	21	19	15	13	10	7	5	3	9	21	
18	4	3	2	1	0	1	4	9	13	17	19	22	24	24	25	26	25	21	18	16	14	13	10	9	11	21	
19	7	7	6	4	2	2	6	11	16	18	22	24	25	26	27	26	24	23	20	18	16	14	13	12	12	26	
20	9	9	6	4	3	3	7	11	17	19	24	25	26	26	26	26	25	24	22	19	18	17	17	17	17	26	
21	17	17	16	16	15	14	16	21	21	21	22	23	23	19	16	16	16	13	12	12	12	11	9	7	16	23	
22	6	6	5	4	4	5	6	9	12	14	16	17	18	18	19	20	20	20	19	17	15	13	12	12	13	20	
23	11	9	9	10	10	9	10	10	8	9	12	14	14	14	14	14	11	10	10	10	10	10	10	10	9	10	14
24	7	7	6	6	7	7	7	8	9	11	11	10	13	13	14	14	15	15	15	14	13	13	13	10	10	15	
25	8	8	8	6	6	3	3	5	7	8	10	13	14	17	17	18	19	18	17	14	13	13	13	10	11	19	
26	10	7	7	7	5	4	2	2	5	8	11	12	14	16	18	19	20	18	18	17	15	13	12	11	11	20	
27	9	8	9	8	4	1	1	3	7	10	13	17	19	20	22	20	21	21	21	20	18	14	15	13	13	22	
28	13	14	10	10	8	7	6	5	8	12	16	19	21	20	21	22	22	21	21	21	20	18	17	16	15	22	
29	13	13	12	11	9	9	9	11	11	15	16	17	19	21	23	23	24	21	13	14	13	11	8	6	14	24	
30	8	9	9	7	7	7	6	6	6	11	13	14	9	8	11	11	12	11	8	7	7	7	7	7	3	9	14
AV	4	3	3	2	1	1	3	5	7	9	11	13	13	14	14	15	15	13	11	10	9	8	7	5	8	1	
SD	6	6	6	6	6	6	5	6	6	6	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	1

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139

ROMANZA, UTAH

SITE 13

MAY, 1960

AEROENVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/61 *
*

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	7	7	6	6	6	6	7	7	10	11	12	15	17	16	16	14	13	12	13	12	10	9	9	6	10	17	
2	7	7	6	6	5	4	5	6	10	12	14	16	16	16	17	18	19	16	15	14	12	10	10	10	9	11	19
3	8	7	7	6	7	6	6	6	9	12	16	18	19	20	21	22	21	21	16	17	15	13	13	12	14	23	
4	12	11	10	10	9	7	6	6	12	13	17	19	20	21	22	21	21	19	17	15	13	9	8	18	22		
5	8	9	9	7	7	6	6	9	11	13	14	17	19	18	16	17	15	14	15	14	12	10	10	10	12	19	
6	10	9	9	8	9	8	7	6	12	16	16	17	20	20	15	13	13	14	13	13	12	11	11	11	12	20	
7	10	9	9	8	8	8	10	10	14	15	13	11	11	13	18	18	16	13	9	8	8	8	8	8	11	18	
8	9	9	7	7	7	7	7	6	10	14	15	15	15	15	15	17	18	19	16	11	10	11	10	10	12	19	
9	9	9	9	8	7	7	7	9	10	14	15	15	15	15	15	15	14	10	9	8	8	7	6	6	10	16	
10	5	5	5	5	4	5	5	5	8	10	14	11	13	14	15	17	16	16	14	9	8	6	6	5	9	17	
11	5	5	5	4	3	2	2	3	6	6	7	6	7	6	9	6	7	7	4	4	3	4	3	1	5	9	
12	1	2	2	2	2	2	2	3	5	5	6	7	6	9	10	9	10	6	6	4	5	4	3	3	5	10	
13	3	2	1	0	0	0	2	5	6	7	10	10	14	13	13	15	10	11	12	10	8	8	6	6	7	15	
14	5	3	2	2	0	-1	3	6	9	10	12	13	14	16	17	14	15	14	13	11	10	9	6	6	9	17	
15	6	4	3	3	2	-2	4	6	8	11	13	16	17	17	17	16	17	18	16	12	12	12	11	11	11	18	
16	10	9	7	6	6	5	6	9	11	14	14	16	18	17	16	14	17	16	11	10	5	5	5	5	11	18	
17	4	4	3	2	3	2	2	4	5	6	7	9	10	10	10	10	11	11	11	10	9	7	7	5	6	11	
18	4	4	3	3	2	2	2	4	5	8	11	13	14	16	17	18	19	19	18	16	12	12	12	12	11	19	
19	10	9	8	6	6	4	4	6	10	11	14	16	19	20	23	23	23	24	22	21	20	17	16	15	24		
20	15	13	11	9	9	7	6	8	10	12	15	18	21	22	23	24	24	25	24	23	21	19	17	17	25		
21	15	13	13	12	10	9	8	11	14	18	21	23	25	27	28	29	28	28	28	27	25	22	20	19	29		
22	19	17	16	11	9	9	9	9	11	13	15	19	20	25	28	29	29	28	28	26	21	20	19	19	29		
23	18	17	17	16	15	14	13	13	13	14	16	18	18	19	19	21	21	21	21	21	18	15	14	15	21		
24	17	15	16	15	14	14	13	13	14	15	15	16	16	17	17	14	11	10	9	8	8	7	5	5	17	21	
25	5	4	4	4	4	4	3	4	5	5	6	8	9	11	10	12	6	5	4	4	4	4	2	2	1	6	12
26	1	0	-1	-3	-3	0	2	6	10	13	14	17	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	8	19
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	1
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	1
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	1
31	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	()	1
AV	9	8	7	7	6	5	6	7	9	11	13	15	16	17	17	17	16	15	14	12	11	10	9	9	11	()	
30	5	4	5	4	4	4	3	3	3	3	3	4	4	4	5	5	6	6	6	6	6	5	5	5	4	()	

TEMPERATURE 1CC1031

DEGREES CELSIUS

LEVEL HEIGHT 110 METERS

WHITE RIVER SHALE PROJECT 1, M139

HONANZA, UTAH

SITE 13

JUN. 1980

AEROVIRONMENT INC.

.....
* FINAL DATA *
* AS OF 31/MAR/81 *
*

CLOCK HOUR LOCAL STANDARD TIME

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	9	6	7	6	5	4	4	5	6	10	13	15	15	17	17	15	13	13	14	13	9	8	7	5	10	17	
2	4	3	3	2	0	-1	-1	2	6	12	15	15	16	17	17	19	19	19	18	18	17	15	14	13	7	11	19
3	13	11	11	12	10	8	10	11	14	15	17	18	20	21	22	22	22	22	22	22	20	17	15	13	15	16	22
4	13	12	11	14	14	13	12	13	14	16	17	18	19	20	21	22	23	23	22	21	20	18	16	17	17	17	23
5	16	15	14	11	11	9	6	9	10	14	17	20	21	21	22	23	23	23	23	22	21	19	18	17	17	17	23
6	15	14	12	10	7	7	12	14	15	16	18	21	22	22	22	23	22	20	17	16	15	14	12	10	16	23	
7	9	7	7	6	4	3	6	6	8	10	12	15	16	19	19	20	20	21	21	21	21	20	18	15	13	21	21
8	15	13	13	11	6	6	5	4	3	5	7	10	14	16	16	21	23	24	24	24	24	24	23	18	14	15	24
9	8	11	14	17	18	20	23	24	25	26	26	25	25	24	22	20	19	18	16	16	15	12	11	9	19	26	
10	8	8	9	11	14	17	20	23	27	28	28	29	29	29	27	27	27	26	22	21	20	18	17	15	21	29	
11	13	12	12	10	10	13	15	17	21	24	25	26	26	27	28	28	27	27	26	24	22	21	20	19	21	29	
12	18	17	16	15	13	13	15	19	21	23	23	24	25	26	26	26	26	25	24	23	21	18	18	11	20	26	
13	10	10	10	7	4	5	9	12	16	20	23	24	25	26	26	27	26	25	24	22	20	19	19	16	11	27	
14	12	11	10	8	6	11	12	18	20	22	22	23	23	25	24	24	24	25	23	19	16	13	12	10	17	25	
15	9	8	6	5	5	7	9	13	14	15	15	16	18	18	18	19	18	18	16	17	14	13	10	8	13	19	19
16	8	7	5	4	3	7	9	10	14	16	16	18	19	21	21	22	22	22	22	18	16	15	14	13	10	14	22
17	10	10	9	7	6	8	11	15	16	20	23	25	26	27	27	26	25	24	20	20	19	18	17	16	14	14	27
18	13	12	11	10	10	12	14	18	21	24	25	27	28	28	29	28	28	27	26	25	23	21	18	18	21	29	
19	17	16	14	13	12	14	15	20	20	22	25	26	25	25	25	25	26	26	24	24	21	19	17	15	20	26	
20	13	13	12	10	9	10	12	16	18	21	24	25	28	28	28	29	29	28	27	24	24	24	22	21	18	20	29
21	17	17	14	12	11	11	13	15	19	23	24	26	26	27	28	27	27	26	27	24	21	20	18	16	20	28	28
22	15	13	12	11	10	11	13	15	19	22	24	26	27	29	29	29	28	28	28	26	23	20	17	14	20	28	28
23	21	21	20	16	14	18	19	22	23	25	26	27	28	29	29	29	28	28	27	26	23	20	17	14	21	29	29
24	16	15	12	11	9	10	13	16	19	23	26	27	28	28	28	28	28	28	26	25	22	21	21	21	21	21	28
25	20	16	13	11	10	11	15	17	21	24	27	28	29	31	31	31	31	31	30	27	25	23	23	19	21	31	31
26	18	16	15	13	12	14	17	19	25	27	28	29	30	31	31	30	30	30	28	26	25	24	22	21	23	31	31
27	19	18	17	16	15	15	16	16	16	20	21	22	24	25	26	25	24	23	21	19	16	13	13	14	20	26	26
28	12	11	9	9	6	8	10	13	17	20	21	23	24	25	27	27	27	28	29	24	21	19	16	16	16	18	29
29	15	12	12	13	14	14	16	19	23	26	27	28	29	30	30	28	28	26	25	25	24	21	19	16	16	18	29
30	19	18	16	15	16	17	17	21	21	20	21	20	22	24	26	26	27	26	25	20	18	17	15	14	20	27	27
AV	14	13	12	11	10	11	12	15	17	20	21	22	24	24	25	25	24	24	24	22	20	18	17	15	14	14	14
SD	4	4	4	4	4	5	5	5	6	5	5	5	5	4	4	4	4	4	4	3	4	4	4	4	4	4	4

TEMPERATURE ICC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 JUL. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA
 * AS OF 31/MAR/81
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	13	13	12	12	12	12	12	14	16	17	16	18	22	23	22	20	20	20	17	16	16	15	14	13	16	23
2	12	12	12	12	12	12	12	14	16	17	16	19	17	18	21	20	22	22	19	17	16	15	15	14	16	22
3	13	12	11	10	10	11	14	16	17	20	22	23	23	24	25	26	26	26	24	21	20	16	15	14	16	26
4	14	12	14	14	13	14	17	18	19	22	23	24	24	25	26	26	26	26	27	23	20	18	17	16	20	27
5	14	11	10	10	8	10	13	18	20	24	25	27	28	29	29	29	28	28	28	25	24	23	20	19	21	29
6	18	15	12	9	9	11	14	18	21	24	26	27	27	28	29	29	27	26	26	23	22	21	20	19	21	29
7	18	17	15	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)
17	19	18	17	15	13	12	12	15	19	21	25	27	30	31	32	34	33	32	30	30	29	26	23	21	27	31
18	22	21	20	17	16	17	18	18	21	24	26	28	28	29	30	32	33	32	31	30	29	26	25	24	25	33
19	22	23	22	20	19	19	18	19	23	24	27	28	29	29	31	31	31	30	29	29	27	26	24	21	25	31
20	18	17	15	14	13	11	12	14	18	19	23	25	27	27	29	29	30	30	30	29	26	23	21	19	22	30
21	18	18	15	14	13	11	11	14	17	20	23	26	28	30	30	30	30	31	30	31	26	22	21	20	22	31
22	18	18	17	15	15	13	13	16	19	23	24	28	29	30	31	31	31	31	31	30	27	24	24	24	23	32
23	23	23	21	20	18	17	17	20	22	26	28	31	31	32	31	26	21	24	24	24	22	19	16	16	21	32
24	15	14	13	13	14	12	14	17	21	24	25	27	29	29	29	29	29	29	26	23	21	19	18	16	21	30
25	14	13	12	11	11	10	11	13	15	18	21	24	26	27	28	30	29	26	27	27	25	23	20	18	20	30
26	16	16	16	16	13	11	11	12	15	19	20	21	25	28	28	30	30	30	30	30	29	25	24	22	22	30
27	20	20	19	17	14	12	12	11	13	16	20	26	29	30	31	32	31	31	31	31	27	24	23	21	23	32
28	18	16	15	14	13	12	11	14	17	20	25	28	30	31	31	32	33	32	32	28	24	24	23	21	23	33
29	19	16	15	14	13	13	13	15	19	23	26	28	30	31	29	26	27	25	24	22	22	22	20	19	21	31
30	19	18	16	15	14	14	13	15	19	22	23	25	25	26	26	29	28	28	28	27	24	22	20	19	22	29
31	17	15	15	14	13	12	12	14	17	20	23	25	27	29	30	30	29	28	27	26	24	22	20	19	21	30
AV	17	16	15	14	13	13	13	15	18	21	23	25	27	28	29	29	28	28	27	26	24	22	21	19	21	19
SD	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	4	3	4	4	4	3	3	3	3	3

TEMPERATURE (CC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 AUG. 1980
 AEROENVIRONMENT INC.

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 *
 * FINAL DATA *
 * AS OF 31/MAR/A1 *
 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK	
1	21	20	18	17	16	16	15	16	16	20	20	25	27	28	30	29	31	29	26	22	23	22	21	19	22	31	
2	19	18	17	15	14	13	13	13	17	21	22	24	26	27	28	30	30	29	30	29	28	25	24	21	22	30	
3	18	18	16	16	15	14	13	15	17	20	23	25	27	28	29	29	29	28	27	26	25	24	22	22	22	29	
4	21	21	18	15	14	11	10	10	14	18	19	21	22	23	24	26	27	28	28	26	25	22	21	19	20	28	
5	18	16	16	14	12	12	11	10	12	16	19	22	25	26	28	29	29	31	31	30	28	26	25	24	21	31	
6	23	21	21	21	19	17	16	14	18	18	28	28	30	31	32	31	31	30	29	26	24	23	21	18	24	32	
7	18	18	19	15	13	13	17	21	24	26	28	30	30	30	32	32	32	31	30	26	24	23	21	21	24	32	
8	21	20	16	15	15	13	15	19	22	26	28	29	31	32	32	31	31	29	25	25	25	24	25	24	24	32	
9	22	22	20	17	16	16	20	23	25	27	28	30	31	31	32	30	29	29	27	26	24	20	19	19	24	32	
10	18	15	14	13	12	12	14	18	23	25	27	27	28	30	29	30	29	29	27	26	24	20	18	19	22	30	
11	14	12	10	9	8	7	11	14	17	20	24	26	28	29	30	29	30	29	29	24	22	21	18	16	20	30	
12	16	15	14	12	11	11	13	17	24	28	27	29	29	30	29	29	26	24	23	23	22	21	19	22	30	29	
13	18	16	14	18	18	15	15	18	21	25	26	27	28	29	26	24	20	19	18	18	17	16	16	20	29		
14	16	16	14	14	13	12	13	16	18	21	24	24	27	28	28	27	26	24	19	16	16	15	15	16	20	28	
15	15	13	12	11	11	11	11	13	16	17	17	18	20	22	21	20	19	16	14	13	12	12	11	10	15	22	
16	9	9	8	7	7	6	8	11	13	16	16	18	19	20	20	21	21	21	20	18	16	15	15	13	14	21	
17	12	11	10	9	8	6	8	11	14	18	19	20	23	24	25	25	25	24	21	20	20	18	17	16	17	25	
18	16	13	14	14	11	11	11	15	18	23	24	25	26	27	27	27	26	25	23	23	22	21	21	20	20	27	
19	19	18	17	17	16	15	16	18	19	20	20	21	20	18	15	15	15	12	11	11	11	10	9	7	15	21	
20	6	5	5	4	3	3	4	7	10	12	15	16	17	18	20	21	22	22	21	17	16	13	13	13	13	22	
21	11	9	8	6	5	3	5	10	13	16	16	16	17	18	20	21	22	22	21	17	16	13	13	13	13	22	
22	14	11	10	9	7	6	7	12	16	19	23	26	27	28	28	24	24	24	21	19	18	17	14	14	14	25	
23	20	20	19	19	18	17	20	22	24	23	24	23	23	23	19	15	15	12	11	11	12	12	12	12	12	24	
24	12	11	11	11	11	12	12	14	16	16	18	18	19	21	22	21	22	22	19	16	14	13	13	13	16	22	
25	12	11	11	10	10	10	10	12	16	17	15	11	9	10	12	12	10	11	12	10	9	9	8	7	11	17	
26	6	8	7	6	5	6	6	8	10	13	15	16	18	19	21	19	18	18	16	15	13	12	11	10	12	21	
27	9	8	8	5	5	5	6	8	(RF)	14	16	18	21	22	23	24	25	24	21	18	17	17	14	16	15	25	
28	17	15	12	11	9	9	8	11	15	18	20	23	24	25	25	25	24	23	21	20	20	21	20	18	15	25	
29	20	19	18	17	17	14	14	16	17	19	21	22	23	24	23	24	23	22	21	19	18	16	15	15	19	24	
30	15	12	13	13	12	11	11	12	15	17	19	20	21	22	22	23	22	21	19	17	15	13	11	10	10	16	23
31	10	8	8	6	6	5	5	7	10	12	13	14	17	17	18	17	17	16	14	14	12	11	11	10	10	12	18
AV	16	14	13	12	12	11	11	14	17	20	21	22	24	25	25	25	25	24	23	20	19	18	17	16	18	11	
SD	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	5	5	5	5	5	4	1	

TEMPERATURE ICC:031
 DEGREES CELSIUS
 LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT.#139
 BONANZA, UTAH
 SITE 13
 SEP. 1980
 AEROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 AVE PEAK

1	9	8	6	5	5	4	3	3	5	10	12	16	17	19	20	22	22	21	16	16	14	13	13	22	
2	13	12	10	9	7	6	6	9	13	16	19	21	22	24	26	25	25	24	21	21	20	19	17	26	
3	16	15	17	16	13	11	13	11	14	17	19	21	22	24	25	25	26	24	21	18	16	15	19	25	
4	14	13	11	11	9	8	7	7	11	14	17	19	21	24	25	26	26	24	19	19	17	15	17	26	
5	15	14	11	10	8	7	6	6	10	14	17	24	25	26	28	28	28	27	20	20	16	16	18	28	
6	15	14	14	13	13	12	12	13	16	22	23	24	25	28	26	24	24	23	20	19	19	18	19	28	
7	17	16	15	13	12	12	11	12	14	13	11	12	13	15	15	16	12	12	10	10	9	9	13	17	
8	9	10	10	9	9	9	9	9	10	10	10	10	12	15	17	18	17	15	14	13	12	11	10	12	18
9	10	10	10	9	9	9	9	10	13	14	14	13	13	15	14	13	13	11	11	10	10	10	11	15	
10	9	9	9	9	9	10	9	10	10	13	10	7	7	9	11	13	12	12	9	10	8	8	10	13	
11	8	7	7	6	5	5	5	9	10	15	16	17	17	17	16	18	17	13	13	11	11	10	12	18	
12	9	9	8	7	6	5	8	10	12	14	16	16	16	17	19	18	17	15	11	11	10	10	12	19	
13	10	9	8	8	7	6	5	8	11	13	15	19	20	21	22	22	21	20	17	16	14	14	14	22	
14	13	11	9	9	7	5	4	8	12	18	21	19	20	21	21	21	20	19	15	15	13	10	14	21	
15	9	7	5	5	3	2	2	5	9	13	15	17	19	21	22	23	22	20	19	18	16	15	14	23	
16	14	14	13	12	11	10	10	12	14	16	18	19	20	20	20	21	21	18	17	16	15	13	14	21	
17	11	10	9	8	7	9	6	9	12	15	18	18	20	20	22	24	22	21	19	16	15	14	15	24	
18	11	10	8	8	7	5	5	6	10	15	17	20	22	22	26	27	26	24	22	22	23	22	21	27	
19	20	19	19	19	18	16	17	17	20	21	22	22	23	25	24	23	20	18	17	16	14	11	10	19	25
20	9	8	6	5	5	4	4	8	10	12	14	15	15	17	18	17	18	16	13	13	11	10	11	18	
21	9	6	5	4	3	3	2	5	9	12	13	14	16	16	16	14	13	12	11	10	8	5	9	16	
22	3	2	2	0	0	-1	-2	2	4	7	9	11	12	12	12	13	14	12	7	7	4	4	6	18	
23	3	0	0	0	0	-2	-1	2	5	9	12	13	15	16	17	16	17	16	11	10	9	9	8	18	
24	8	5	5	3	3	2	0	4	12	13	12	12	12	9	10	10	14	15	14	13	14	14	9	15	
25	12	13	13	12	11	11	15	14	14	19	13	12	12	14	13	13	14	15	14	13	14	13	13	15	
26	12	14	13	13	12	11	10	9	8	13	15	17	17	17	17	20	19	16	13	11	11	10	13	20	
27	8	6	5	4	3	3	5	8	11	14	17	16	19	22	22	22	21	17	15	13	13	12	11	22	
28	9	6	6	4	2	1	3	7	12	14	18	18	20	21	22	24	23	21	19	16	15	12	11	18	24
29	10	10	9	7	5	4	3	7	11	15	17	20	20	20	21	22	21	20	17	13	12	9	8	12	22
30	7	5	5	3	3	2	2	6	10	14	18	20	22	23	24	24	24	19	15	14	12	11	12	24	
AV	11	10	9	8	7	6	6	7	10	13	15	17	18	19	20	20	19	18	15	14	13	12	13	11	
80	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4	4	1	

ADOUT (29 JAN 81)

TEMPERATURE (CC103)

DEGREES CELSIUS

LEVEL HEIGHT 1.10 METERS

WHITE RIVER SHALE PROJECT, #139

BONANZA, UTAH

SITE 13

OCT, 1980

AEROSCIENCE INC.

* FINAL DATA *
* AS OF 31/MAR/81 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PEAK
1	10	9	9	9	9	10	12	13	14	17	20	22	24	24	25	25	23	20	19	18	14	13	13	12	16	25
2	12	11	10	8	9	9	10	12	12	12	13	15	16	19	19	18	18	14	14	11	8	6	5	4	12	19
3	3	3	2	1	0	0	1	5	9	12	15	17	20	22	22	22	22	18	15	13	11	7	6	6	11	22
4	5	5	3	4	2	1	2	6	11	12	16	18	20	21	23	22	19	16	15	12	8	7	6	6	12	23
5	6	5	3	3	3	2	2	5	11	13	16	19	21	21	22	22	21	18	14	15	13	9	9	7	12	22
6	5	4	4	3	2	2	2	5	10	11	15	18	20	21	21	21	21	16	13	12	11	9	7	5	11	21
7	5	4	3	3	2	1	2	5	10	12	15	17	19	21	21	22	17	14	13	14	8	7	6	6	11	22
8	5	4	3	3	2	2	2	6	11	13	15	16	19	21	21	23	22	17	14	15	13	10	7	6	11	21
9	6	6	5	4	3	3	4	7	11	12	13	16	19	21	21	21	16	14	15	12	7	6	6	6	11	21
10	5	4	3	6	5	5	7	9	11	12	14	16	17	19	19	17	13	11	9	8	6	2	2	10	19	
11	2	0	0	0	-1	-2	-1	4	8	12	14	16	18	20	21	19	18	17	15	13	14	10	9	10	10	21
12	8	7	7	6	6	7	7	8	9	12	14	16	18	20	21	19	17	15	14	12	9	9	6	4	7	12
13	6	5	5	5	5	5	4	6	8	9	10	11	14	13	12	11	12	12	10	7	6	3	3	3	8	14
14	2	2	2	2	2	2	3	4	6	6	5	5	7	9	10	9	8	6	5	5	3	3	1	0	4	10
15	1	3	2	2	3	2	1	2	5	7	6	5	2	2	3	3	2	1	1	2	1	1	-1	-1	2	7
16	-1	-2	-1	0	0	0	-1	-1	-1	-1	-2	-2	0	3	3	3	3	4	3	3	3	3	2	-1	1	4
17	1	0	0	0	-1	-1	0	2	4	6	4	4	4	5	6	6	5	4	4	3	3	2	1	-1	3	6
18	-2	-2	-2	-1	-2	-1	-1	0	2	6	6	5	7	9	10	9	8	4	4	4	3	3	2	-1	3	10
19	-1	-1	-1	-2	-3	-3	-4	-1	2	5	6	6	7	8	9	9	8	5	3	3	3	2	0	-2	2	9
20	-2	-3	-2	-3	-3	-3	-3	-1	3	5	7	7	8	10	11	11	10	6	5	6	4	3	2	-2	3	11
21	-3	-3	-3	-3	-4	-4	-4	-1	3	6	9	9	10	11	12	12	12	7	7	6	5	6	6	-2	4	12
22	2	3	2	2	2	0	0	2	0	10	12	12	13	13	13	11	9	6	6	3	2	0	-2	-2	5	13
23	-4	-4	-5	-6	-4	-4	-4	-3	-1	-1	1	2	3	4	4	3	3	0	-2	-3	-5	-4	-4	-5	-2	4
24	-6	-7	-6	-7	-7	-9	-9	-8	-4	-4	1	2	6	7	7	8	7	4	1	-1	-2	-1	-4	-5	0	14
25	13	13	-1	-7	-8	-9	-9	-10	-9	-4	1	4	5	6	7	8	8	4	1	0	0	-2	-1	-2	0	13
26	-3	-4	-4	-3	-3	-4	-3	-3	-2	0	1	2	3	1	1	0	0	0	0	-1	-1	-1	-2	-3	-1	3
27	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	0	0	1	1	1	1	0	-1	-2	-2	-3	-4	-5	-7	-2	1
28	-5	-5	-6	-6	-6	-7	-8	-8	-5	-2	0	2	3	3	3	3	3	1	0	-2	-2	-4	-5	-5	-3	3
29	-6	-6	-6	-6	-6	-6	-6	-6	-1	0	3	5	6	7	7	7	4	1	0	-2	-3	-2	-4	-5	-2	7
30	-6	-6	-7	-6	-6	-6	-6	-4	-1	2	4	6	7	10	9	9	6	2	1	0	-1	-2	-3	-4	0	10
31	-4	-4	-5	-5	-6	-6	-6	-3	0	2	6	8	9	11	10	9	6	4	3	2	1	0	-1	-4	1	11
AV	2	1	0	0	0	-1	0	2	4	7	8	9	11	12	12	12	11	9	7	6	5	4	3	2	5	1
SD	5	5	5	5	5	5	5	6	6	6	6	7	7	7	8	8	8	7	6	6	6	5	5	5	5	1

TEMPERATURE ICC1031
 DEGREES CELSIUS
 LEVEL HEIGHT 1 10 METERS

WHITE RIVER SHALE PROJECT, #139
 BONANZA, UTAH
 SITE 13
 DEC. 1980
 AFROVIRONMENT INC.

.....
 * FINAL DATA *
 * AS OF 31/MAR/81 *
 *

CLOCK HOUR (LOCAL STANDARD TIME)

DAY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	AVE	PFAK
1	-2	-3	-3	-6	-7	-8	-4	-4	-3	-2	-2	-1	0	0	0	1	-1	-3	-5	-5	-6	-7	-8	-9	-4	1
2	-10	-9	-9	-9	-9	-10	-10	-10	-8	-3	-3	-3	0	-1	1	0	-2	-2	-3	-4	-3	-3	-3	-4	-5	1
3	-4	-5	-5	-5	-5	-4	-4	-4	-4	-2	-1	1	2	5	5	5	8	7	7	6	6	5	2	1	1	A
4	-1	-1	-1	-1	0	-1	1	5	6	7	8	9	9	7	5	4	4	3	2	1	2	3	2	2	3	3
5	1	2	1	0	0	1	0	-3	-2	2	2	1	0	1	2	3	1	-1	-1	-1	-3	-3	-4	-4	0	3
6	-4	-5	-4	-4	-5	-4	-4	-4	-4	-4	-4	-3	-1	-1	0	0	-1	-2	-3	-3	-4	-6	-6	-7	-3	0
7	-7	-8	-8	-7	-7	-7	-7	-7	-7	-6	-5	-4	-5	-4	-5	-4	-5	-5	-6	-6	-6	-6	-8	-8	-6	-4
8	-7	-7	-8	-8	-8	-8	-8	-8	-8	-7	-5	-5	-6	-6	-5	-5	-6	-9	-10	-9	-10	-10	-10	-11	-11	-5
9	-11	-11	-11	-10	-10	-10	-10	-10	-10	-9	-7	-7	-6	-5	-4	-4	-4	-5	-7	-7	-8	-9	-9	-10	-8	-4
10	-13	-14	-14	-14	-14	-15	-15	-15	-14	-11	-8	-6	-3	-2	-2	-2	-3	-6	-7	-8	-8	-9	-9	-9	-9	-2
11	-10	-11	-12	-12	-12	-13	-13	-13	-12	-8	-6	-4	-3	-2	0	0	-2	-5	-7	-8	-9	-10	-10	-11	-11	0
12	-12	-12	-13	-13	-13	-14	-14	-14	-12	-10	-5	-3	-2	0	1	0	-2	-5	-7	-8	-9	-10	-11	-11	-11	0
13	-12	-13	-13	-14	-14	-14	-14	-15	-14	-10	-7	-5	-3	-1	1	0	-2	-6	-7	-8	-9	-9	-10	-11	-11	1
14	-12	-12	-14	-13	-14	-14	-14	-15	-13	-10	-7	-4	-1	1	0	-1	-3	-5	-6	-6	-7	-7	-8	-8	-8	1
15	-8	-8	-10	-9	-10	-10	-10	-11	-10	-5	-5	-2	-1	1	2	3	1	-1	-2	-5	-5	-6	-6	-6	-6	3
16	-9	-10	-10	-11	-10	-11	-11	-11	-10	-7	-4	0	2	3	3	3	1	-2	-4	-6	-7	-7	-8	-9	-4	3
17	-10	-9	-10	-10	-12	-12	-11	-12	-10	-8	-3	-2	1	2	2	2	-1	-6	-6	-6	-7	-8	-8	-9	-9	2
18	-10	-11	-12	-13	-14	-12	-12	-13	-10	-7	-3	0	1	-2	2	2	1	-1	-2	-2	-1	-2	-3	-4	-5	2
19	-7	-9	-9	-10	-9	-8	-9	-9	-6	-2	2	5	6	7	8	5	3	0	-2	-4	-5	-6	-6	-6	-6	A
20	-9	-9	-9	-8	-10	-9	-9	-8	-7	-5	-1	1	0	0	1	1	-2	-4	-6	-6	-6	-7	-7	-7	-5	1
21	-9	-9	-9	-9	-8	-7	-8	-8	-6	-3	2	4	3	3	6	4	1	-5	-3	-1	-1	-1	-2	0	-3	6
22	-2	-3	-3	-4	-3	-4	-4	-5	-5	-2	3	4	7	8	9	7	7	4	4	4	4	3	3	6	2	9
23	1	-3	-1	-2	-3	-4	-5	-3	-2	0	4	6	1	2	3	2	1	-1	-3	-4	-5	-3	-4	-4	-1	6
24	-8	-6	-8	-7	-6	-7	-6	-8	-7	-5	-1	2	-1	-1	0	0	-2	-2	-3	-4	-4	-4	-5	-4	-4	2
25	-8	-7	-6	-7	-6	-7	-6	-8	-6	-2	0	4	2	4	5	5	3	2	2	2	2	2	1	1	-1	5
26	-4	-4	-4	-4	-4	-4	-4	-5	-4	-1	4	6	3	6	5	6	4	1	0	-1	-2	-3	-4	-4	-1	6
27	-5	-6	-6	-6	-7	-7	-6	-6	-6	-3	0	5	4	5	6	7	4	1	0	-1	-2	-3	-4	-4	-1	6
28	-6	-6	-6	-5	-6	-6	-6	-5	-4	-2	1	3	3	4	5	6	5	1	1	0	-1	-2	-3	-3	-2	7
29	-6	-9	-9	-9	-9	-9	-10	-11	-8	-5	1	2	-1	0	2	4	2	-1	-4	-4	-4	-5	-6	-7	-5	4
30	-9	-9	-11	-11	-10	-11	-11	-11	-10	-8	-3	-1	1	2	3	3	1	-2	-4	-4	-5	-5	-6	-7	-5	3
31	-7	-9	-9	-10	-10	-10	-8	-5	-1	3	3	3	3	3	2	2	2	2	0	-2	-3	-3	-4	-6	-4	3
AV	-7	-8	-8	-8	-8	-8	-8	-8	-7	-4	-2	0	0	1	2	2	0	-2	-3	-4	-4	-5	-5	-6	-4	1
SD	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	3	3	4	4	4	4	4	4	4	4	1

Form 1329-3
(Jan. 1984)

BORROWER

TO BORROWER : (Use "Other")
FOR : (Use "Other")
(A / (Other))

DATE LOANED	BORROWER

USDI - BLM

