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**aeromet**

ANNUAL PROGRESS REPORT  
for the period  
1 October 1976 to 30 September 1977

to

ENVIRONMENTAL PROTECTION AGENCY  
REGION VIII  
1860 Lincoln St., Suite 900  
Denver, CO 80203

Contract No. 68-01-1946

Utah U-a/U-b Tract

**aeromet inc.**

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ANNUAL PROGRESS REPORT  
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ENVIRONMENTAL PROTECTION AGENCY  
REGION VIII  
1860 Lincoln St., Suite 900  
Denver, CO 80203

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by

Aeromet, Inc.  
P.O. Box 45447  
Tulsa, OK 74145

Utah U-a/U-b Tract

2-100-1  
D. O. Powell  
February 10 1900-0013

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## 1.0 INTRODUCTION

Low level temperature and wind data were collected for the year period from 1 October 1976 to 30 September 1977 at two locations on the Utah U-a/U-b Tract. The first site, 5 miles south of Bonanza was operational for the period 1 October 1976 to 26 September 1977. The second site located in the town of Bonanza was operational for the period 28 September 1977 to 31 January 1978. The data were collected using a 30 gm helium filled pilot balloon with a temperature sonde attached, a single theodolite and a TSR-2 receiver/-recorder twice a day every other day. The observations were scheduled 1/2 hour after sunrise and 1400L.

The pilot balloon had an ascent rate of 500 ft/min and was tracked by a single theodolite for 12 minutes with the azimuth and elevation angles recorded every 30 seconds on a cassette tape recorder. The tape was transcribed to a pilot balloon form after the observation.

The temperature sonde operated at 403 MHz and the signal was received by a ground plane antenna at least 16 ft AGL which was attached to the Aeromet, Inc. TSR-2 receiver/recorder. The TSR-2 receiver has a built-in Rustrak strip chart recorder and the temperature was recorded within the range from -50°C to +50°C. A baseline temperature calibration was performed with each T-Sonde by the adjustment of the recorded temperature to match the thermometer measured temperature next to the transmitting sonde. Once the calibration check was finished the balloon was released with the sonde attached and the temperature was recorded for at least 20 minutes. At the completion of each observation the data were mailed to Aeromet, Inc.



## 2.0 DATA SUMMARY

### 2.1 Mixing Layer Height

The average mixing layer height was computed for the morning and afternoon based on the morning and 1400L temperature soundings. The balloon release 1/2 hour after sunrise is near enough to the minimum temperature to assume the correctness of the calculated mixing layer heights. The afternoon balloon release is generally not at the time of maximum heating and the user of the mixing layer height data must be aware that minor changes in the calculated values can be expected. Without equipping the field sites with minimum/maximum thermometers the extrapolation of the afternoon data cannot be justified in establishing a data base for statistical analysis. The approximation of the afternoon maximum temperature would be a "calculated guess" for there are: 1) local effects which are to be determined and would be filtered out with extrapolation, 2) mountain effects which alter the lower 1500m (e.g. downslope effects), and 3) meteorological effects which can alter the expected change in the sounding (e.g. advection, moisture, etc.).

It is felt that to better define the mixing layer height a variety of "heat island" effects should be viewed. The rigorous method would be to define 15 "heat island" effects ranging from 0 to 14°C and let the user decide which would best serve his needs. However, for this analysis 0°, +5° and +10° "heat island" effects were considered.

A summary of the average mixing layer heights calculated with the 0°, +5° and +10° "heat island" effects at the U-a/U-b Tract for the year 1 October 1976 to 30 September 1977 are included in the report. The percent of occurrence of the average height within 250m increments above ground level is given in tabular form. The total number of soundings included in the sample populations are listed in the table.

### 2.2 Stability and Inversion Classification

The temperature and wind data were edited to remove data felt to cause anomalous results in the stability and inversion classification schemes. Only the stations listed prior to the table classifying the inversions were used in the calculations.

The temperature data are processed to produce a year summary of inversion layers and lapse rates within the inversions and from the inversion base to the surface by means of the Holzworth classification scheme for inversions (Holzworth, G. C., 1974: "Climatological Data on Atmospheric





Stability in the United States" paper presented at the American Meteorological Society Symposium on Atmospheric Diffusion and Air Pollution, September 9-13, 1974, Santa Barbara, California.)

The temperature and wind data are processed together to produce an annual average bivariate frequency distribution of wind direction versus wind speed represented in the 500m layer adjacent to the ground. The distribution is presented by the six Pasquill stability classes (A-F) and a summary independent of stability. If the  $\Delta T/100m$  criterion is met but the wind speed criterion is not met, then the wind data are checked against the criterion for

STABILITY CLASS	$\Delta T$ ( $^{\circ}C/100m$ )	WIND SPEED ( $m s^{-1}$ )
A	<-1.9	<u>&lt;2</u>
B	-1.9 - -1.7	<u>&lt;5</u>
C	-1.7 - -1.5	<u>&lt;6</u>
D	-1.5 - -0.5	ALL SPEEDS
E	-0.5 - 1.5	<u>&lt;5</u>
F	>1.5	<u>&lt;3</u>

the next stability class, always cascading to the D stability class. Once the wind speed criterion is met the data are classified under the new stability class even though now the lapse rate exceeds the class criterion. For example, if the  $\Delta T/100m$  value is 1.7 and the wind speed is  $7 m s^{-1}$ , the lapse rate criterion is met for the stability class F, however the wind speed criterion is exceeded. The wind speed is greater than the  $5 m s^{-1}$  maximum limit for class E but falls within the criterion of class D, which includes all wind speeds. As a result the observational data with a  $\Delta T$  value of  $1.7^{\circ}C/100m$  and a wind speed value of  $7 m s^{-1}$  are classified under stability class D, not class F.

The data are also punched on computer cards in a format compatible with the STAR PROGRAM of the National Climatic Center, NOAA, U.S. Department of Commerce. A description of the punched output can be found in the Monthly Progress Reports.



AVERAGE MIXING LAYER HEIGHT  
ANNUAL: October 1976 to September 1977

MIXING LAYER HEIGHT (Height in meters)	PERCENT OF OCCURRENCE					
	MORNING			AFTERNOON		
	0°	+5°	+10°	0°	+5°	+10°
surface	82.1			12.0		
1 - 250m	15.5	70.3	22.5	30.5	0.6	
251 - 500m	0.6	11.6	23.7	18.5	3.0	0.6
501 - 750m		4.7	15.4	7.8	17.9	1.8
751 - 1000m	0.6	2.9	10.6	8.4	12.6	3.6
1001 - 1250m	0.6	1.7	2.9	6.6	10.2	2.4
1251 - 1500m		2.3	4.1	4.2	11.4	7.2
1501 - 1750m		0.6	2.4	1.2	9.0	10.2
1751 - 2000m		0.6	2.4	1.2	2.4	9.0
>2000m	0.6	4.7	9.5	9.0	26.3	45.5
None defined		0.6	6.5	0.6	6.6	19.7
TOTAL NUMBER	174	172	169	167	167	167



\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 33290

DATE 10/01/76 TIME 06:22MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	724.	0.89	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3347

DATE 10/01/76 TIME 13:10MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.31	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 0

DATE 10/03/76 TIME 07:12MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	1.29	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3332

DATE 10/03/76 TIME 13:58MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
381.	495.	0.24	-0.66

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3335

DATE 10/05/76 TIME 06:22MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	267.	2.24	-0.76

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3330

DATE 10/05/76 TIME 13:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
312.	350.	0.24	-1.04

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3331

DATE 10/07/76 TIME 07:30MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.76	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3330



\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3339  
DATE 10/07/76 TIME 13:22MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
279.	323.	0.0	-1.09

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3335  
DATE 10/09/76 TIME 06:20MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	267.	2.67	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3343  
DATE 10/09/76 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	0.23	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3342  
DATE 10/11/76 TIME 06:25MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	419.	1.69	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3341  
DATE 10/11/76 TIME 12:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	76.	0.0	-1.36

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3344  
DATE 10/13/76 TIME 06:35MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	838.	1.02	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3340  
DATE 10/13/76 TIME 13:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	267.	0.35	-1.15

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3349





UTAH UAUB ELEV 1585 METERS SOUNDING ID 3349  
DATE 10/15/76 TIME 06:31MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	648.	1.46	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3352  
DATE 10/15/76 TIME 13:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
937.	1127.	0.28	-0.64

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3345  
DATE 10/17/76 TIME 06:33MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	267.	2.78	-0.76

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3343  
DATE 10/17/76 TIME 13:07MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
169.	207.	0.21	-1.29

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3347  
DATE 10/19/76 TIME 06:38MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	724.	1.30	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3347  
DATE 10/19/76 TIME 13:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
204.	357.	0.12	-1.04

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3328  
DATE 10/21/76 TIME 06:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	991.	1.21	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3350



41 \*\*\*\*\*  
42 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3328  
43  
44 DATE 10/21/76 TIME 06:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
45  
46  
47 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
48 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
49  
50 0. 991. 1.21 0.0  
51

52 \*\*\*\*\*  
53 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3350  
54  
55 DATE 10/21/76 TIME 13:03MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
56  
57  
58 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
59 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
60  
61 164. 792. 0.23 -1.22  
62  
63

64 \*\*\*\*\*  
65 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3322  
66  
67 DATE 10/23/76 TIME 06:38MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
68  
69  
70 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
71 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
72  
73 0. 419. 2.34 0.0  
74

75 \*\*\*\*\*  
76 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3324  
77  
78 DATE 10/23/76 TIME 12:57MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
79  
80  
81 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
82 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
83  
84 397. 454. 1.13 -1.04  
85

86 \*\*\*\*\*  
87 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3323  
88  
89 DATE 10/25/76 TIME 06:38MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
90  
91  
92 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
93 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
94  
95 0. 381. 1.98 0.0  
96

97 \*\*\*\*\*  
98 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3327  
99  
100 DATE 10/25/76 TIME 13:28MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
101  
102  
103 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
104 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
105  
106 76. 143. 0.0 -2.41  
107

108 \*\*\*\*\*  
109 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3325  
110  
111 DATE 10/27/76 TIME 06:47MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
112  
113  
114 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
115 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
116  
117 0. 381. 1.41 0.0  
118

119 \*\*\*\*\*  
120 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3317  
121



UTAH UAUB ELEV 1585 METERS SOUNDING ID 3317  
DATE 10/27/76 TIME 13:07MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
418.	467.	0.75	-1.18

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3320  
DATE 10/29/76 TIME 06:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1143.	0.77	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3314  
DATE 10/29/76 TIME 13:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	76.	0.0	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3316  
DATE 10/31/76 TIME 06:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	648.	1.36	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3315  
DATE 10/31/76 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	152.	0.35	-1.75

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3313  
DATE 11/02/76 TIME 06:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	686.	1.58	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3319  
DATE 11/02/76 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
304.	838.	0.13	-1.41

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3318  
DATE 11/02/76 TIME 07:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE



UTAH UAUB ELEV 1585 METERS SOUNDING ID 3318

DATE 11/04/76 TIME 07:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	838.	0.92	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3310

DATE 11/04/76 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	152.	0.71	-1.19

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3312

DATE 11/06/76 TIME 07:12MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	1143.	1.07	-1.29

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3306

DATE 11/06/76 TIME 13:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
203.	889.	0.01	-1.13

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3308

DATE 11/08/76 TIME 07:10MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	495.	2.34	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3309

DATE 11/08/76 TIME 13:57MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	133.	0.0	-2.62

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3311

DATE 11/10/76 TIME 07:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	800.	1.20	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3305

DATE 11/10/76 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC





UTAH UAUB ELEV 1585 METERS SOUNDING ID 3305  
DATE 11/10/76 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
277.	582.	0.18	-1.01

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3471  
DATE 11/12/76 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	76.	0.0	-2.97

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3464  
DATE 11/14/76 TIME 07:22MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	381.	1.72	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3367  
DATE 11/14/76 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	152.	0.13	-1.84

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3465  
DATE 11/16/76 TIME 07:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	267.	1.08	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3472  
DATE 11/16/76 TIME 14:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	0.80	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3470  
DATE 11/18/76 TIME 07:07MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1181.	1.03	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3468  
DATE 11/18/76 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3470

DATE 11/18/76 TIME 07:07MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1181.	1.03	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3468

DATE 11/18/76 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	848.	0.17	-6.06

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3466

DATE 11/20/76 TIME 07:09MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	3.06	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3463

DATE 11/20/76 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	76.	2.74	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3461

DATE 11/22/76 TIME 07:10MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1181.	0.90	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3459

DATE 11/22/76 TIME 14:40MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
182.	951.	0.19	-1.49

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3457

DATE 11/24/76 TIME 07:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	762.	1.72	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3458



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3458

DATE 11/24/76 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
135.	564.	0.30	-2.42

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3469

DATE 11/26/76 TIME 07:12MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1023.	1061.	0.52	-1.08

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3462

DATE 11/26/76 TIME 14:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	0.67	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3460

DATE 11/28/76 TIME 08:10MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	495.	1.36	-3.18

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3451

DATE 11/28/76 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
781.	895.	0.0	-1.22

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3453

DATE 11/30/76 TIME 07:19MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1257.	0.76	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3449

DATE 11/30/76 TIME 13:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
501.	577.	1.25	-0.89

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3455



UTAH UAUB ELEV 1585 METERS SOUNDING ID 3455

DATE 12/02/76 TIME 07:18MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1448.	1.19	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3452

DATE 12/02/76 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	1053.	0.24	-1.47

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3450

DATE 12/04/76 TIME 07:23MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	762.	1.28	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3456

DATE 12/04/76 TIME 13:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
259.	1135.	0.16	-1.09

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3454

DATE 12/06/76 TIME 07:17MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	724.	0.41	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3719

DATE 12/06/76 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	0.50	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3712

DATE 12/08/76 TIME 07:27MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1257.	0.84	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3714

DATE 12/08/76 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC





UTAH UAUB ELEV 1585 METERS SOUNDING ID 3714

DATE 12/08/76 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

114. 991. 0.17 -0.65

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3716

DATE 12/10/76 TIME 07:24MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

0. 229. 3.16 0.0

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3718

DATE 12/10/76 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

285. 323. 0.24 -1.43

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3713

DATE 12/12/76 TIME 07:26MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

0. 1600. 0.80 0.0

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3715

DATE 12/12/76 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

142. 907. 0.42 -1.86

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3717

DATE 12/14/76 TIME 07:25MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

0. 1029. 1.16 0.0

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3705

DATE 12/14/76 TIME 13:57MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M

76. 1042. 0.15 -2.81

\*\*\*\*\* UTAH UAUB ELEV 1585 METERS SOUNDING ID 3707



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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3707  
DATE 12/16/76 TIME 07:30MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1562.	1.02	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3709  
DATE 12/16/76 TIME 14:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	838.	0.46	-0.98

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3711  
DATE 12/18/76 TIME 07:26MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	724.	2.38	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3710  
DATE 12/18/76 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	811.	0.52	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3708  
DATE 12/20/76 TIME 07:27MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	2000.	0.65	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3706  
DATE 12/20/76 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1069.	0.10	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3704  
DATE 12/22/76 TIME 07:29MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1638.	0.86	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3696



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 3696

DATE 12/22/76 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
143.	181.	0.26	-1.94

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3698

DATE 12/24/76 TIME 07:35MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3700

DATE 12/24/76 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	4.72	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3702

DATE 12/26/76 TIME 07:33MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	838.	1.79	0.0

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3703

DATE 12/26/76 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	805.	0.43	-2.23

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3701

DATE 12/28/76 TIME 07:34MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	305.	4.03	0.0

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3699

DATE 12/28/76 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	0.0	0.0

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3697

DATE 12/30/76 TIME 07:36MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3697  
DATE 12/30/76 TIME 07:36MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	876.	1.36	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3857  
DATE 12/30/76 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
384.	651.	0.0	-1.24

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3859  
DATE 01/01/77 TIME 07:37MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	1.90	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3861  
DATE 01/01/77 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	610.	0.09	-0.58

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3863  
DATE 01/03/77 TIME 07:34MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.86	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3858  
DATE 01/03/77 TIME 14:20MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	0.24	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3862  
DATE 01/05/77 TIME 07:40MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	343.	0.0	-1.29

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3862





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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3862

DATE 01/05/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
288.	327.	1.55	-1.87

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3848

DATE 01/07/77 TIME 07:41MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1334.	0.76	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3850

DATE 01/07/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
345.	987.	0.20	-1.26

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3853

DATE 01/09/77 TIME 07:35MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	533.	1.06	0.0

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3855

DATE 01/09/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
307.	383.	0.91	-1.53

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3849

DATE 01/11/77 TIME 07:37MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SEC

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UTAH UAUB ELEV 1585 METERS SOUNDING ID 3851

DATE 01/11/77 TIME 14:07MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
125.	1690.	0.36	-2.19

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 3852

DATE 01/13/77 TIME 07:43MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC



UTAH UAUB

ELEV. 1585 METERS

SOUNDING ID 3852

DATE 01/13/77 TIME 07:43MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	724.	0.59	-0.66

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3854

DATE 01/13/77 TIME 14:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1029.	0.92	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3841

DATE 01/15/77 TIME 07:38MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	2.92	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3843

DATE 01/15/77 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	1.23	0.0

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3845

DATE 01/17/77 TIME 07:35MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	495.	2.23	0.0

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3847

DATE 01/17/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	152.	0.0	-0.65

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 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3840

DATE 01/19/77 TIME 07:25MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	762.	1.61	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3842

DATE 01/19/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC



25 \*\*\*\*\*  
26 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3842  
27  
28 DATE 01/19/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
29  
30  
31 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
32 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
33  
34 229. 632. 0.92 -0.49  
35

36 \*\*\*\*\*  
37 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3844  
38  
39 DATE 01/21/77 TIME 07:29MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
40  
41  
42 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
43 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
44  
45 0. 953. 0.71 0.0  
46  
47

48 \*\*\*\*\*  
49 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3846  
50  
51 DATE 01/21/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
52  
53  
54 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
55 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
56  
57 267. 914. 0.12 -1.69  
58  
59

60 \*\*\*\*\*  
61 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3974  
62  
63 DATE 01/23/77 TIME 07:32MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
1  
2 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
3 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
4  
5 38. 76. 0.0 -0.24  
6

7 \*\*\*\*\*  
8 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3977  
9  
10 DATE 01/23/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
11  
12 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
13 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
14  
15 114. 191. 0.0 -0.83  
16

17 \*\*\*\*\*  
18 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3980  
19  
20 DATE 01/25/77 TIME 07:27MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
21  
22 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
23 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
24  
25 0. 724. 0.85 0.0  
26  
27

28 \*\*\*\*\*  
29 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3961  
30  
31 DATE 01/25/77 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
32  
33 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
34 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
35  
36 114. 191. 0.50 -0.58  
37  
38

39 \*\*\*\*\*  
40 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3964  
41  
42  
43

STS-108  
DATA RECORD TIME



\*\*\*\*\*  
41 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3964  
42  
43  
44 DATE 01/27/77 TIME 07:26MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
45  
46  
47 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
48 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
49  
50 0. 305. 3.18 0.0  
51  
52

\*\*\*\*\*  
53 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3967  
54  
55 DATE 01/27/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
56  
57  
58  
59 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
60 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
61  
62 1022. 1061. 0.0 -0.77  
63

\*\*\*\*\*  
1 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3971  
2  
3 DATE 01/29/77 TIME 07:24MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
4  
5  
6 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
7 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
8  
9 0. 1378. 0.77 0.0  
10

\*\*\*\*\*  
11 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3962  
12  
13 DATE 01/29/77 TIME 13:57MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
14  
15  
16 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
17 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
18  
19 114. 152. 0.0 -0.66  
20

\*\*\*\*\*  
21 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3965  
22  
23 DATE 01/31/77 TIME 07:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
24  
25  
26  
27 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
28 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
29  
30 0. 876. 1.09 0.0  
31  
32

\*\*\*\*\*  
33 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3968  
34  
35 DATE 01/31/77 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
36  
37  
38  
39 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
40 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
41  
42 310. 730. 0.38 -1.12  
43  
44

\*\*\*\*\*  
45 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3969  
46  
47 DATE 02/02/77 TIME 07:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
48  
49  
50  
51 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
52 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
53  
54 114. 152. 0.0 -0.59  
55  
56

\*\*\*\*\*  
57 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3972  
58





\*\*\*\*\*  
 57 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3972  
 58  
 59 DATE 02/02/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 60  
 61  
 62  
 63

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	76.	0.24	-1.00

\*\*\*\*\*  
 1 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3975  
 2  
 3 DATE 02/04/77 TIME 07:16MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 4  
 5  
 6  
 7

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1105.	0.58	0.0

\*\*\*\*\*  
 13 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3978  
 14  
 15 DATE 02/04/77 TIME 13:47MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 16  
 17  
 18  
 19

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	191.	0.75	-1.13

\*\*\*\*\*  
 25 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3981  
 26  
 27 DATE 02/06/77 TIME 07:21MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 28  
 29  
 30  
 31

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1410.	0.42	0.0

\*\*\*\*\*  
 37 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3976  
 38  
 39 DATE 02/08/77 TIME 07:27MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 40  
 41  
 42  
 43

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1410.	0.79	0.0

\*\*\*\*\*  
 49 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3979  
 50  
 51 DATE 02/08/77 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 52  
 53  
 54  
 55

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	841.	0.39	-2.09

\*\*\*\*\*  
 62 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3970  
 63  
 DATE 02/10/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 1  
 2

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
354.	782.	0.27	-1.28

\*\*\*\*\*  
 6 UTAH UAUB ELEV 1585 METERS SOUNDING ID 3960  
 7



UTAH UAUB ELEV 1585 METERS SOUNDING ID 3960

DATE 02/12/77 TIME 07:19MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	991.	0.71	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3963

DATE 02/12/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
116.	154.	1.23	-1.77

UTAH UAUB ELEV 1585 METERS SOUNDING ID 3982

DATE 02/14/77 TIME 14:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
191.	229.	0.0	-0.83

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4048

DATE 02/16/77 TIME 07:06MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	686.	1.24	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4050

DATE 02/16/77 TIME 13:49MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	152.	0.48	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4054

DATE 02/18/77 TIME 07:14MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	533.	1.21	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4049

DATE 02/18/77 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
831.	1288.	0.04	-1.03

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4051

DATE 02/20/77 TIME 06:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC



21 \*\*\*\*\*  
22 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4051  
23  
24 DATE 02/20/77 TIME 06:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
25  
26  
27 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
28 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
29  
30 0. 1219. 0.59 0.0  
31  
32

33 \*\*\*\*\*  
34 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4053  
35  
36 DATE 02/20/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
37  
38  
39 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
40 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
41  
42 0. 76. 1.19 0.0  
43  
44

45 \*\*\*\*\*  
46 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4055  
47  
48 DATE 02/22/77 TIME 07:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
49  
50  
51 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
52 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
53  
54 191. 235. 0.46 -1.61  
55  
56

57 \*\*\*\*\*  
58 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4041  
59  
60 DATE 02/22/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
61  
62  
63 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
314. 391. 0.0 -0.91

1 \*\*\*\*\*  
2 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4042  
3  
4 DATE 02/24/77 TIME 06:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
5  
6  
7 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
8 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
9  
10 0. 38. 0.0 0.0  
11  
12

13 \*\*\*\*\*  
14 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4045  
15  
16 DATE 02/24/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
17  
18  
19 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
20 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
21  
22 669. 822. 0.43 -0.93  
23  
24

25 \*\*\*\*\*  
26 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4043  
27  
28 DATE 02/26/77 TIME 07:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
29  
30  
31 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
32 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
33  
34 0. 381. 1.19 0.0  
35  
36

37 \*\*\*\*\*  
38 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4043  
39



UTAH UAUB ELEV 1585 METERS SOUNDING ID 4043

DATE 02/26/77 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	128.	0.73	-2.13

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4044

DATE 02/28/77 TIME 06:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	267.	2.05	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4046

DATE 02/28/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
192.	242.	0.0	-0.88

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4032

DATE 03/02/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
412.	451.	0.26	-1.41

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4034

DATE 03/04/77 TIME 06:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	76.	0.76	-0.26

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4036

DATE 03/04/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
457.	495.	0.0	-0.59

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4038

DATE 03/06/77 TIME 06:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	2.59	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4033

DATE 03/06/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC





54 \*\*\*\*\*  
55 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4033  
56 DATE 03/06/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
57  
58  
59 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
60 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
61 317. 660. 0.30 -0.92  
62  
63

\*\*\*\*\*  
1 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4035  
2  
3 DATE 03/08/77 TIME 06:39MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
4  
5  
6 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
7 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
8 0. 457. 1.93 0.0  
9

\*\*\*\*\*  
10 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4037  
11  
12 DATE 03/08/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
13  
14  
15 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
16 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
17 122. 160. 0.24 -1.57  
18  
19

\*\*\*\*\*  
20 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4039  
21  
22 DATE 03/10/77 TIME 06:36MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
23  
24  
25 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
26 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
27 194. 270. 0.13 -0.96  
28  
29

\*\*\*\*\*  
30 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4286  
31  
32 DATE 03/10/77 TIME 13:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
33  
34  
35 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
36 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
37 0. 38. 0.0 0.0  
38  
39

\*\*\*\*\*  
40 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4291  
41  
42 DATE 03/12/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
43  
44  
45 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
46 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
47 724. 2000. 0.16 -0.75  
48  
49

\*\*\*\*\*  
50 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4293  
51  
52 DATE 03/14/77 TIME 06:32MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
53  
54  
55 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
56 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
57 0. 152. 1.92 0.0  
58  
59

\*\*\*\*\*  
60 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4295  
61  
62  
63



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4295

DATE 03/14/77

TIME 13:50MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

INV BASE METERS AGL

INV TOP METERS AGL

INV DT/DZ (DEG C)/100M

DT/DZ BELOW INV (DEG C)/100M

243.

296.

0.36

-1.33

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4285

DATE 03/16/77

TIME 06:31MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

INV BASE METERS AGL

INV TOP METERS AGL

INV DT/DZ (DEG C)/100M

DT/DZ BELOW INV (DEG C)/100M

0.

724.

1.45

0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4287

DATE 03/16/77

TIME 13:55MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL

LAYER TOP METERS AGL

DT/DZ (DEG C)/100M

0.

100.

-1.09

100.

250.

-0.79

250.

500.

-0.74

500.

750.

-0.74

750.

1000.

-0.75

1000.

1500.

-0.63

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4294

DATE 03/18/77

TIME 06:28MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

INV BASE METERS AGL

INV TOP METERS AGL

INV DT/DZ (DEG C)/100M

DT/DZ BELOW INV (DEG C)/100M

1080.

1137.

0.0

-1.03

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4284

DATE 03/18/77

TIME 13:50MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

INV BASE METERS AGL

INV TOP METERS AGL

INV DT/DZ (DEG C)/100M

DT/DZ BELOW INV (DEG C)/100M

76.

152.

0.63

-1.00

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4280

DATE 03/20/77

TIME 06:22MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

INV BASE METERS AGL

INV TOP METERS AGL

INV DT/DZ (DEG C)/100M

DT/DZ BELOW INV (DEG C)/100M

0.

76.

0.0

0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4278

DATE 03/20/77

TIME 13:50MST

ASCENT RATE 500 FPM

DATA INTERVAL 15 SEC

INV BASE METERS AGL

INV TOP METERS AGL

INV DT/DZ (DEG C)/100M

DT/DZ BELOW INV (DEG C)/100M



11 \*\*\*\*\*  
12 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4278

13  
14 DATE 03/20/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

15  
16  
17 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
18 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
19  
20 76. 166. 0.0 -4.20  
21

22  
23 \*\*\*\*\*  
24 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4289

25  
26 DATE 03/22/77 TIME 06:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

27  
28  
29 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
30 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
31  
32 0. 305. 2.38 0.0  
33

34  
35 \*\*\*\*\*  
36 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4288

37  
38 DATE 03/22/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

39  
40  
41 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
42 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
43  
44 615. 692. 0.49 -1.27  
45

46  
47 \*\*\*\*\*  
48 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4281

49  
50 DATE 03/24/77 TIME 06:18MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

51  
52  
53 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
54 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
55  
56 0. 38. 0.0 0.0  
57

58  
59 \*\*\*\*\*  
60 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4279

61  
62 DATE 03/24/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

63  
64  
65 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
66 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
67  
68 124. 162. 0.0 -1.54  
69

70  
71 \*\*\*\*\*  
72 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4290

73  
74 DATE 03/26/77 TIME 06:13MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

75  
76  
77 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
78 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
79  
80 76. 114. 0.0 -0.37  
81

82  
83 \*\*\*\*\*  
84 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4283

85  
86 DATE 03/26/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

87  
88  
89 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
90 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
91  
92 155. 202. 0.41 -2.16  
93

94  
95 \*\*\*\*\*  
96 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4277



27 \*\*\*\*\*  
28 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4277  
29  
30 DATE 03/28/77 TIME 06:07MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
31  
32 THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC  
33  
34

35 \*\*\*\*\*  
36 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4275  
37  
38 DATE 03/28/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
39  
40  
41 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
42 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
43  
44 138. 176. 0.0 -1.79  
45  
46

47 \*\*\*\*\*  
48 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4273  
49  
50 DATE 03/30/77 TIME 06:08MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
51  
52  
53 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
54 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
55  
56 0. 229. 2.02 0.0  
57  
58

59 \*\*\*\*\*  
60 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4292  
61  
62 DATE 03/30/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
63  
64  
65 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
66 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
67  
68 404. 480. 0.37 -1.19  
69  
70

71 \*\*\*\*\*  
72 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4276  
73  
74 DATE 04/01/77 TIME 06:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
75  
76  
77 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
78 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
79  
80 0. 305. 1.11 0.0  
81  
82

83 \*\*\*\*\*  
84 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4274  
85  
86 DATE 04/01/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
87  
88  
89 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
90 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
91  
92 76. 153. 0.0 -2.44  
93  
94

95 \*\*\*\*\*  
96 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4272  
97  
98 DATE 04/03/77 TIME 05:56MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
99  
100  
101 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
102 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
103  
104 0. 343. 1.46 0.0  
105  
106

107 \*\*\*\*\*  
108 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4282  
109  
110 DATE 04/03/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
111  
112  
113 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
114 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
115





39 \*\*\*\*\*  
40 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4282  
41  
42 DATE 04/03/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
43  
44  
45 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
46 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
47  
48 478. 517. 0.0 -0.93  
49  
50

51 \*\*\*\*\*  
52 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4399  
53  
54 DATE 04/05/77 TIME 05:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
55  
56  
57 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
58 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
59  
60 0. 152. 1.12 0.0  
61  
62

63 \*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4401  
DATE 04/05/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
1 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
2 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
3  
4 208. 399. 0.24 -1.53  
5  
6

7 \*\*\*\*\*  
8 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4403  
9  
10 DATE 04/07/77 TIME 05:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
11  
12  
13 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
14 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
15  
16 38. 1105. 0.77 -1.26  
17  
18

19 \*\*\*\*\*  
20 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4405  
21  
22 DATE 04/07/77 TIME 14:20MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
23  
24  
25 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
26 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
27  
28 38. 76. 0.94 -1.39  
29  
30

31 \*\*\*\*\*  
32 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4398  
33  
34 DATE 04/09/77 TIME 05:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
35  
36  
37 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
38 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
39  
40 0. 610. 1.83 0.0  
41  
42

43 \*\*\*\*\*  
44 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4400  
45  
46 DATE 04/11/77 TIME 05:45MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
47  
48  
49 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
50 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
51  
52 38. 533. 0.53 -0.97  
53  
54

55 \*\*\*\*\*  
56 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4402  
57



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4402

DATE 04/13/77 TIME 05:47MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	305.	0.47	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4404

DATE 04/13/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.44	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4391

DATE 04/15/77 TIME 05:42MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	114.	0.0	-0.50

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4393

DATE 04/15/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
191.	497.	0.12	-0.79

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4495

DATE 04/17/77 TIME 05:36MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1181.	0.56	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4397

DATE 04/17/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.65	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4370

DATE 04/19/77 TIME 05:31MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	1.76	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4392



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4392

DATE 04/19/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	0.47	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4391

DATE 04/21/77 TIME 05:29MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	914.	0.65	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4396

DATE 04/21/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	152.	0.70	-0.71

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4382

DATE 04/23/77 TIME 05:28MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	991.	0.84	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4384

DATE 04/23/77 TIME 13:45MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	116.	0.0	-1.15

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4386

DATE 04/25/77 TIME 05:25MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	1105.	0.43	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4388

DATE 04/25/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
224.	262.	0.92	-1.25

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4383



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4388

DATE 04/25/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
224.	262.	0.92	-1.25

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4383

DATE 04/27/77 TIME 04:21MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	0.04	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4385

DATE 04/27/77 TIME 12:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
741.	970.	0.07	-0.82

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4387

DATE 04/29/77 TIME 04:21MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	343.	1.45	-0.26

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4389

DATE 04/29/77 TIME 12:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	0.38	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4596

DATE 05/01/77 TIME 05:17MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	876.	1.02	-1.99

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4594

DATE 05/01/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.09	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4592

DATE 05/03/77 TIME 05:16MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC





UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4592

DATE 05/03/77 TIME 05:16MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	914.	0.70	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4590

DATE 05/03/77 TIME 13:49MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	114.	2.07	-0.81

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4595

DATE 05/05/77 TIME 05:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	0.87	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4393

DATE 05/05/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	152.	0.24	-1.06

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4591

DATE 05/07/77 TIME 05:08MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	2.55	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4589

DATE 05/07/77 TIME 13:57MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

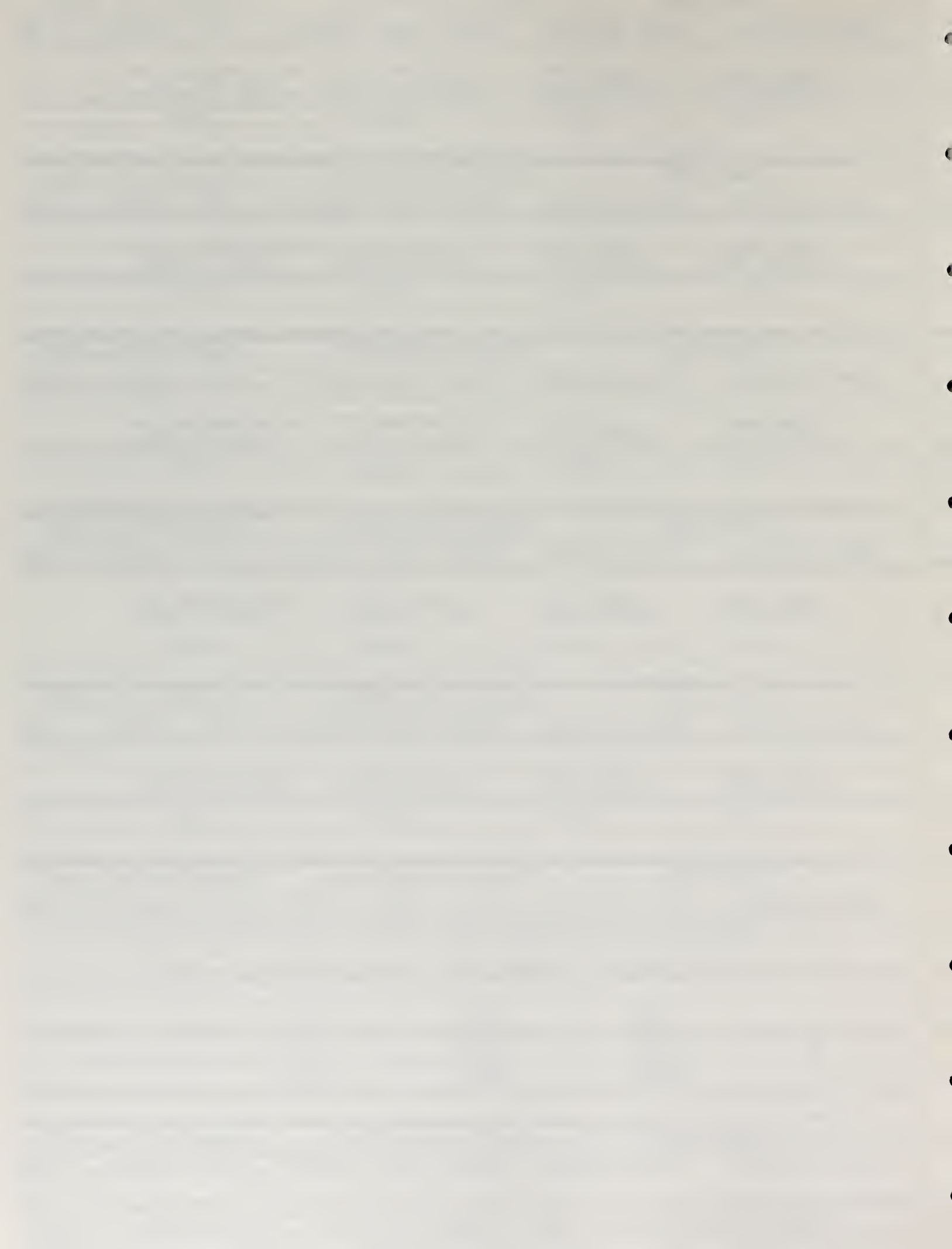
THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.27
100.	250.	-1.01
250.	500.	-1.03
500.	750.	-0.90
750.	1000.	-1.10
1000.	1500.	-0.98

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4587

DATE 05/09/77 TIME 05:06MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	1.28	0.0



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4585

DATE 05/09/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
317.	356.	0.0	-1.27

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4583

DATE 05/11/77 TIME 05:03MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	1.34	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4581

DATE 05/11/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
294.	339.	0.40	-1.63

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4589

DATE 05/13/77 TIME 05:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	0.67	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4586

DATE 05/13/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
184.	224.	0.0	-1.48

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4584

DATE 05/15/77 TIME 05:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

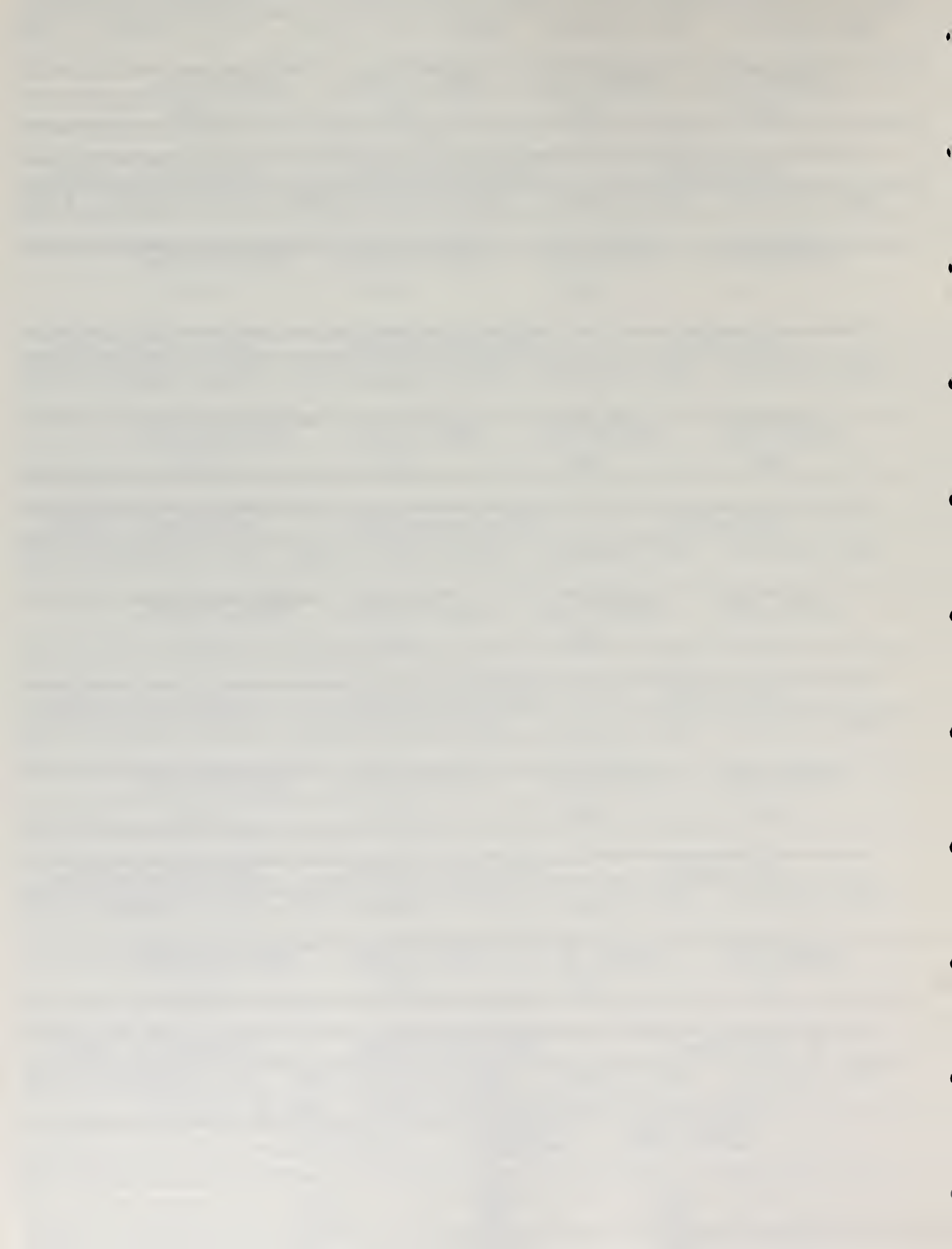
INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.09	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4582

DATE 05/15/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.74
100.	250.	-1.17
250.	500.	-1.00
500.	750.	-1.02
750.	1000.	-0.78
1000.	1500.	-1.07



\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4582  
 DATE 05/15/77 TIME 13:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC  
 LAYER BASE METERS AGL LAYER TOP METERS AGL DT/DZ (DEG C)/100M  
 0. 100. -1.74  
 100. 250. -1.17  
 250. 500. -1.00  
 500. 750. -1.02  
 750. 1000. -0.78  
 1000. 1500. -1.07

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4580  
 DATE 05/17/77 TIME 05:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M  
 267. 305. 1.50 -1.00

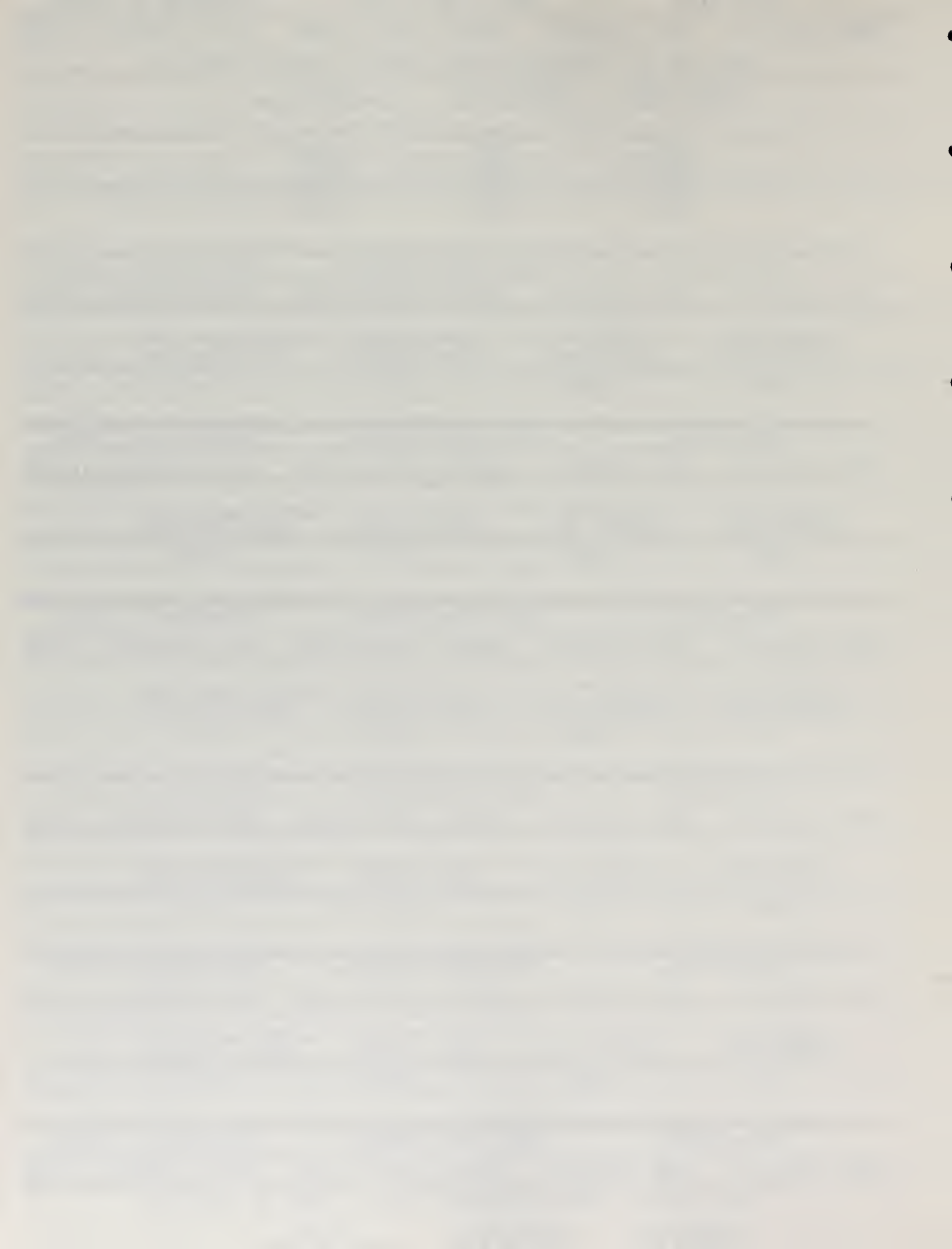
\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4578  
 DATE 05/17/77 TIME 13:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M  
 484. 523. 1.21 -0.97

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4576  
 DATE 05/19/77 TIME 04:58MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M  
 0. 229. 1.59 0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4574  
 DATE 05/19/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M  
 232. 308. 0.12 -1.41

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4579  
 DATE 05/21/77 TIME 05:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 INV BASE METERS AGL INV TOP METERS AGL INV DT/DZ (DEG C)/100M DT/DZ BELOW INV (DEG C)/100M  
 0. 305. 0.78 0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4575  
 DATE 05/21/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
 THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC  
 LAYER BASE METERS AGL LAYER TOP METERS AGL DT/DZ (DEG C)/100M



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4575

DATE 05/21/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-3.63
100.	250.	-0.94
250.	500.	-0.81
500.	750.	-1.05
750.	1000.	-1.08
1000.	1500.	-0.96

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4573

DATE 05/23/77 TIME 04:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	0.60	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4801

DATE 05/23/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	381.	0.03	-1.15

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4792

DATE 05/25/77 TIME 04:53MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
495.	533.	0.0	-0.66

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4810

DATE 05/25/77 TIME 13:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
182.	220.	0.47	-1.49

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4803

DATE 05/27/77 TIME 04:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	0.25	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4802

DATE 05/27/77 TIME 12:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M





UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4802

DATE 05/27/77 TIME 12:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1445.	1483.	0.0	-1.00

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4812

DATE 05/29/77 TIME 04:51MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	762.	0.57	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4809

DATE 05/29/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
133.	210.	0.70	-1.84

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4806

DATE 05/31/77 TIME 04:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	800.	0.63	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4793

DATE 05/31/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
257.	333.	0.0	-1.34

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4798

DATE 06/02/77 TIME 04:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	1.01	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4799

DATE 06/02/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.20
100.	250.	-0.91
250.	500.	-1.13
500.	750.	-1.06
750.	1000.	-0.75



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4799

DATE 06/02/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.20
100.	250.	-0.91
250.	500.	-1.13
500.	750.	-1.06
750.	1000.	-0.75
1000.	1500.	-1.12

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4804

DATE 06/04/77 TIME 04:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	381.	1.87	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4805

DATE 06/04/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.84
100.	250.	-0.80
250.	500.	-1.05
500.	750.	-0.93
750.	1000.	-1.06
1000.	1500.	-0.96

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4800

DATE 06/06/77 TIME 04:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	305.	1.37	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4807

DATE 06/08/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	76.	0.47	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4808

DATE 06/10/77 TIME 04:47MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	229.	0.56	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 4789

DATE 06/10/77 TIME 13:40MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4789

DATE 06/10/77 TIME 13:40MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
76.	134.	0.0	-2.35

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4811

DATE 06/12/77 TIME 04:46MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	1.34	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4791

DATE 06/12/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.74
100.	250.	-1.10
250.	500.	-0.94
500.	750.	-1.09
750.	1000.	-0.94
1000.	1500.	-1.01

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4796

DATE 06/14/77 TIME 04:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	419.	1.69	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4797

DATE 06/14/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
311.	540.	0.19	-0.85

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4794

DATE 06/16/77 TIME 04:46MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	1.01	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4790

DATE 06/16/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
626.	665.	0.92	-1.18



UTAH UAUB ELEV 1585 METERS SOUNDING ID 4795

DATE 06/18/77 TIME 04:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	1.38	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4877

DATE 06/18/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
223.	261.	0.0	-1.53

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4878

DATE 06/20/77 TIME 04:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	152.	2.96	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4881

DATE 06/22/77 TIME 05:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	0.80	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4882

DATE 06/24/77 TIME 04:48MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	495.	0.92	0.0

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4884

DATE 06/24/77 TIME 14:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
288.	326.	0.0	-1.34

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4870

DATE 06/26/77 TIME 04:49MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
152.	229.	0.0	-0.35

UTAH UAUB ELEV 1585 METERS SOUNDING ID 4864

DATE 06/26/77 TIME 14:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC





\*\*\*\*\*  
59 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4864  
60

61 DATE 06/26/77 TIME 14:02MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.  
62

63 THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.69
100.	250.	-0.74
250.	500.	-0.87
500.	750.	-0.84
750.	1000.	-0.75
1000.	1500.	-0.69

\*\*\*\*\*  
9 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4871  
10

11 DATE 06/28/77 TIME 04:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.  
12

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	191.	1.52	0.0

\*\*\*\*\*  
22 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4866  
23

24 DATE 06/28/77 TIME 13:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.  
25

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
792.	830.	0.45	-1.08

\*\*\*\*\*  
34 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4867  
35

36 DATE 06/30/77 TIME 04:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.  
37

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	267.	1.57	0.0

\*\*\*\*\*  
46 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4876  
47

48 DATE 07/02/77 TIME 04:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.  
49

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	1.27	0.0

\*\*\*\*\*  
58 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4862  
59

60 DATE 07/02/77 TIME 14:11MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.  
61

62 THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-3.46
100.	250.	-0.72
250.	500.	-0.80
500.	750.	-0.73
750.	1000.	-0.67
1000.	1500.	-0.74

\*\*\*\*\*  
8 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4863  
9



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4863

DATE 07/04/77 TIME 04:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	38.	0.0	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4861

DATE 07/06/77 TIME 04:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	686.	0.74	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4868

DATE 07/06/77 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.84
100.	250.	-0.76
250.	500.	-1.09
500.	750.	-0.90
750.	1000.	-1.10
1000.	1500.	-1.00

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4878

DATE 07/10/77 TIME 05:58MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4883

DATE 07/10/77 TIME 13:58MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1181.	1222.	0.0	-0.98

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4871

DATE 07/12/77 TIME 04:57MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	1.46	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4872

DATE 07/12/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	76.	0.0	-5.66

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 4873



26 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4873  
 27  
 28 DATE 07/14/77 TIME 05:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 29  
 30  
 31 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 32 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 33  
 34 0. 267. 1.77 0.0  
 35  
 36  
 37 \*\*\*\*\*  
 38 UTAH UAUB ELEV 1585 METERS SOUNDING ID 4869  
 39  
 40 DATE 07/14/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 41  
 42  
 43 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 44 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 45  
 46 274. 426. 0.0 -0.96  
 47  
 48  
 49 \*\*\*\*\*  
 50 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5117  
 51  
 52 DATE 07/16/77 TIME 04:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 53  
 54  
 55 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 56 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 57  
 58 0. 343. 1.77 0.0  
 59  
 60  
 61 \*\*\*\*\*  
 62 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5124  
 63  
 DATE 07/16/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 244. 282. 0.0 -1.45  
 \*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5122  
 DATE 07/18/77 TIME 05:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 0. 152. 1.52 0.0  
 \*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5120  
 DATE 07/20/77 TIME 05:04MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 0. 76. 0.0 0.0  
 \*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5118  
 DATE 07/20/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE  
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
 1136. 1144. 0.0 -0.96  
 \*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5123  
 DATE 07/22/77 TIME 05:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE



\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5123

DATE 07/22/77 TIME 05:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
305.	343.	0.0	-0.65

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5121

DATE 07/22/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
115.	153.	0.0	-1.34

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5119

DATE 07/24/77 TIME 05:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	152.	0.0	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5112

DATE 07/24/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
38.	76.	0.0	-0.46

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5114

DATE 07/26/77 TIME 05:06MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	381.	0.95	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5116

DATE 07/26/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THESE ARE NO INVERSION BASES WITHIN 1500M OF THE SEC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.36
100.	250.	-0.66
250.	500.	-1.05
500.	750.	-0.98
750.	1000.	-0.98
1000.	1500.	-1.06

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5109

DATE 07/28/77 TIME 05:09MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	190.	0.82	0.0





UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5109

DATE 07/28/77 TIME 05:09MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	190.	0.82	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5111

DATE 07/28/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
608.	646.	0.92	-1.08

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5113

DATE 07/30/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.82
100.	250.	-0.69
250.	500.	-0.87
500.	750.	-1.02
750.	1000.	-1.05
1000.	1500.	-1.03

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5115

DATE 08/01/77 TIME 05:16MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	571.	0.95	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5106

DATE 08/01/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.94
100.	250.	-0.83
250.	500.	-0.97
500.	750.	-1.00
750.	1000.	-0.92
1000.	1500.	-0.41

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5104

DATE 08/03/77 TIME 05:12MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	610.	0.89	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5108

DATE 08/03/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE



\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5108

DATE 08/03/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
989.	1217.	0.0	-1.04

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5107

DATE 08/05/77 TIME 05:19MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
724.	876.	0.52	-0.55

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5105

DATE 08/05/77 TIME 12:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1012.	1164.	0.59	-1.05

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5103

DATE 08/07/77 TIME 05:20MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	571.	0.82	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5101

DATE 08/07/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
114.	229.	0.0	-1.10

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5282

DATE 08/09/77 TIME 05:21MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	571.	0.91	0.0

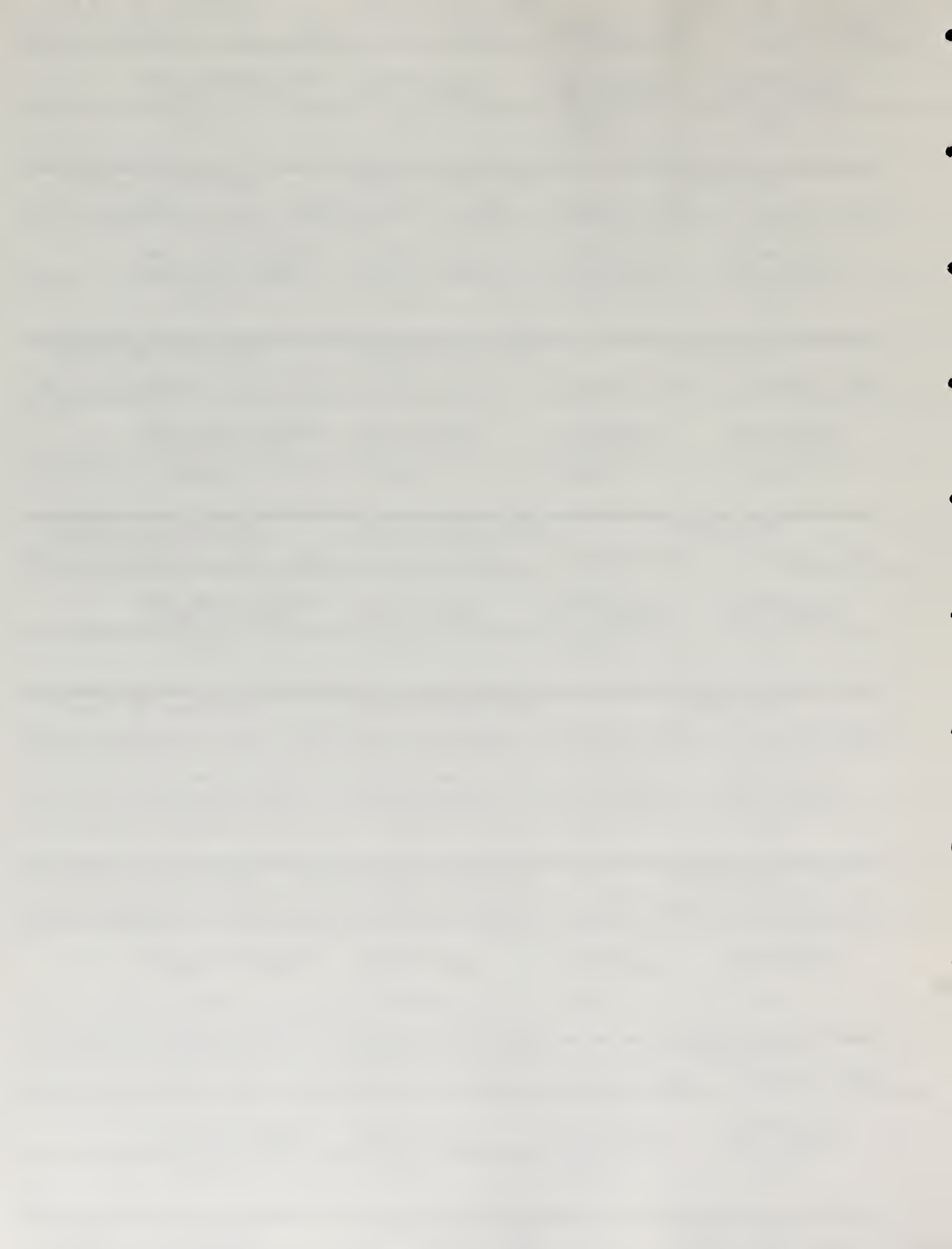
\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5292

DATE 08/09/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1001.	1344.	0.0	-1.03

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5290

DATE 08/11/77 TIME 05:19MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC



16 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5250  
17  
18 DATE 08/11/77 TIME 05:227ST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
19  
20  
21 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
22 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
23  
24 0. 229. 1.19 0.0  
25  
26

27 \*\*\*\*\*  
28 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5288  
29  
30 DATE 08/11/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
31  
32  
33 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
34 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
35  
36 553. 1049. 0.48 -1.06  
37  
38

39 \*\*\*\*\*  
40 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5281  
41  
42 DATE 08/13/77 TIME 05:26MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
43  
44  
45 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
46 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
47  
48 0. 419. 0.97 0.0  
49  
50

51 \*\*\*\*\*  
52 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5291  
53  
54 DATE 08/13/77 TIME 13:54MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
55  
56  
57 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
58 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
59  
60 440. 478. 0.0 -1.15  
61  
62

63 \*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5289  
DATE 08/15/77 TIME 05:26MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
1 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
2 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
3  
4 0. 305. 1.18 0.0  
5  
6

7 \*\*\*\*\*  
8 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5287  
9  
10 DATE 08/17/77 TIME 05:29MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
11  
12  
13 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
14 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
15  
16 0. 305. 0.56 0.0  
17  
18

19 \*\*\*\*\*  
20 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5277  
21  
22 DATE 08/19/77 TIME 05:32MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
23  
24  
25 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
26 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
27  
28 0. 343. 0.53 0.0  
29  
30

31 \*\*\*\*\*  
32 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5275  
33



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5275

DATE 08/19/77 TIME 13:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.38
100.	250.	-0.89
250.	500.	-0.99
500.	750.	-1.02
750.	1000.	-0.23
1000.	1500.	-0.24

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5285

DATE 08/21/77 TIME 05:33MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	0.66	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5283

DATE 08/21/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
644.	759.	0.0	-0.94

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5278

DATE 08/23/77 TIME 05:35MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	457.	0.77	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5286

DATE 08/25/77 TIME 05:36MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
152.	343.	0.0	-0.30

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5284

DATE 08/25/77 TIME 13:42MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1011.	1049.	0.0	-0.80

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5274

DATE 08/27/77 TIME 05:38MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
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UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5274

DATE 08/27/77 TIME 05:38MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.82
100.	250.	-0.79
250.	500.	-0.59
500.	750.	-0.53
750.	1000.	-0.46
1000.	1500.	-0.61

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5272

DATE 08/27/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.24
100.	250.	-0.50
250.	500.	-0.37
500.	750.	-0.33
750.	1000.	-0.33
1000.	1500.	-0.51

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5270

DATE 08/29/77 TIME 05:40MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	381.	1.18	0.0

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5280

DATE 08/29/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.07
100.	250.	-0.60
250.	500.	-0.95
500.	750.	-0.56
750.	1000.	-0.43
1000.	1500.	-0.51

UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5273

DATE 08/31/77 TIME 05:42MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	2.01	0.0

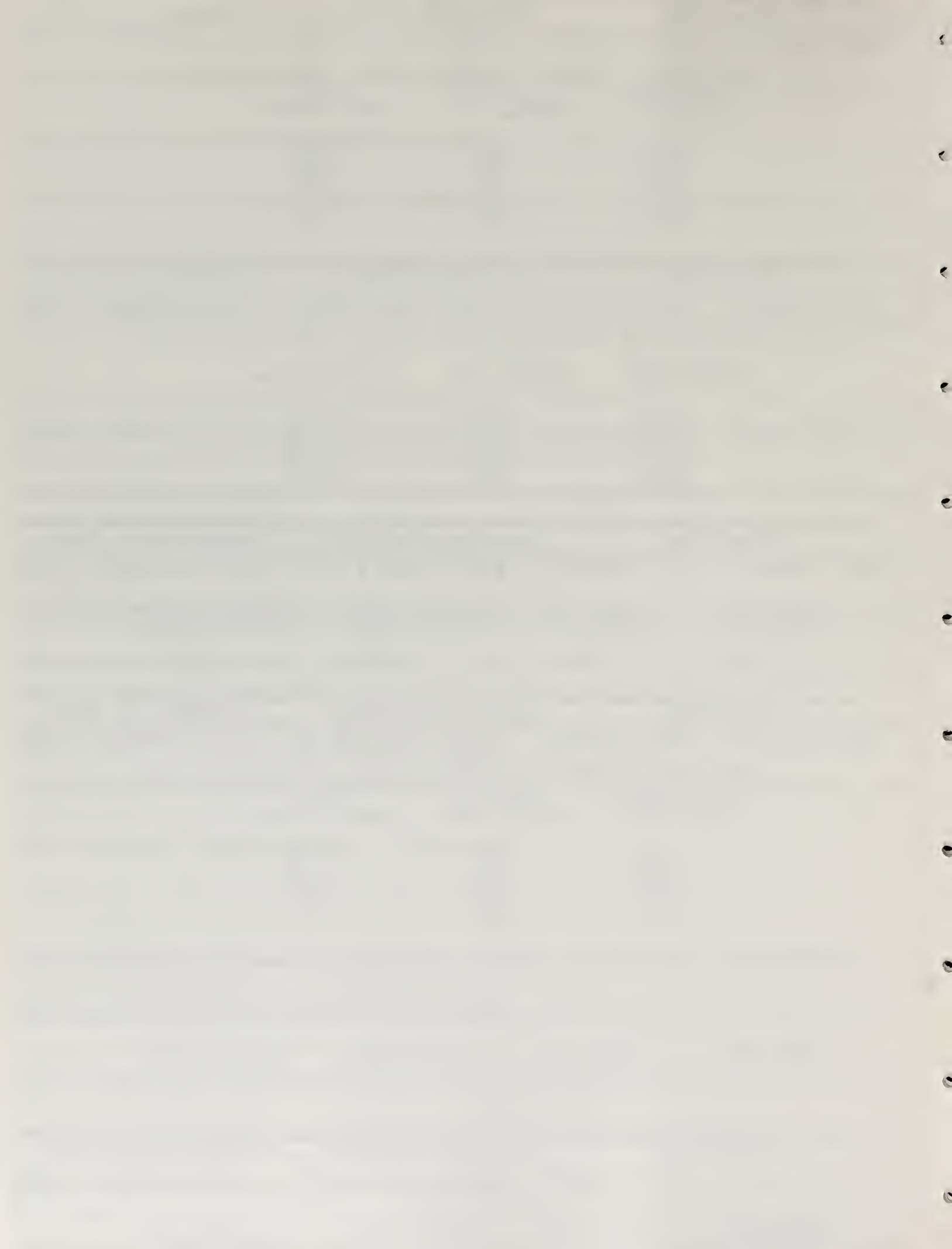
UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5271

DATE 08/31/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	2.01	0.0



52 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5271  
53  
54 DATE 08/31/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
55  
56  
57 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
58 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
59  
60 1002. 1344. 0.0 -0.79  
61  
62

63 \*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5269

1 DATE 09/02/77 TIME 05:45MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
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3  
4 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
5 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
6  
7 0. 419. 1.09 0.0  
8

9 \*\*\*\*\*  
10 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5279

11 DATE 09/02/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
12  
13  
14 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
15 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
16  
17 1319. 1471. 0.18 -0.98  
18

19 \*\*\*\*\*  
20 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5654

21 DATE 09/04/77 TIME 05:46MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
22  
23  
24 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
25 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
26  
27 76. 114. 0.0 -0.36  
28  
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31 \*\*\*\*\*  
32 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5664

33 DATE 09/04/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
34  
35  
36  
37 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
38 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
39  
40 310. 348. 0.0 -1.33  
41  
42

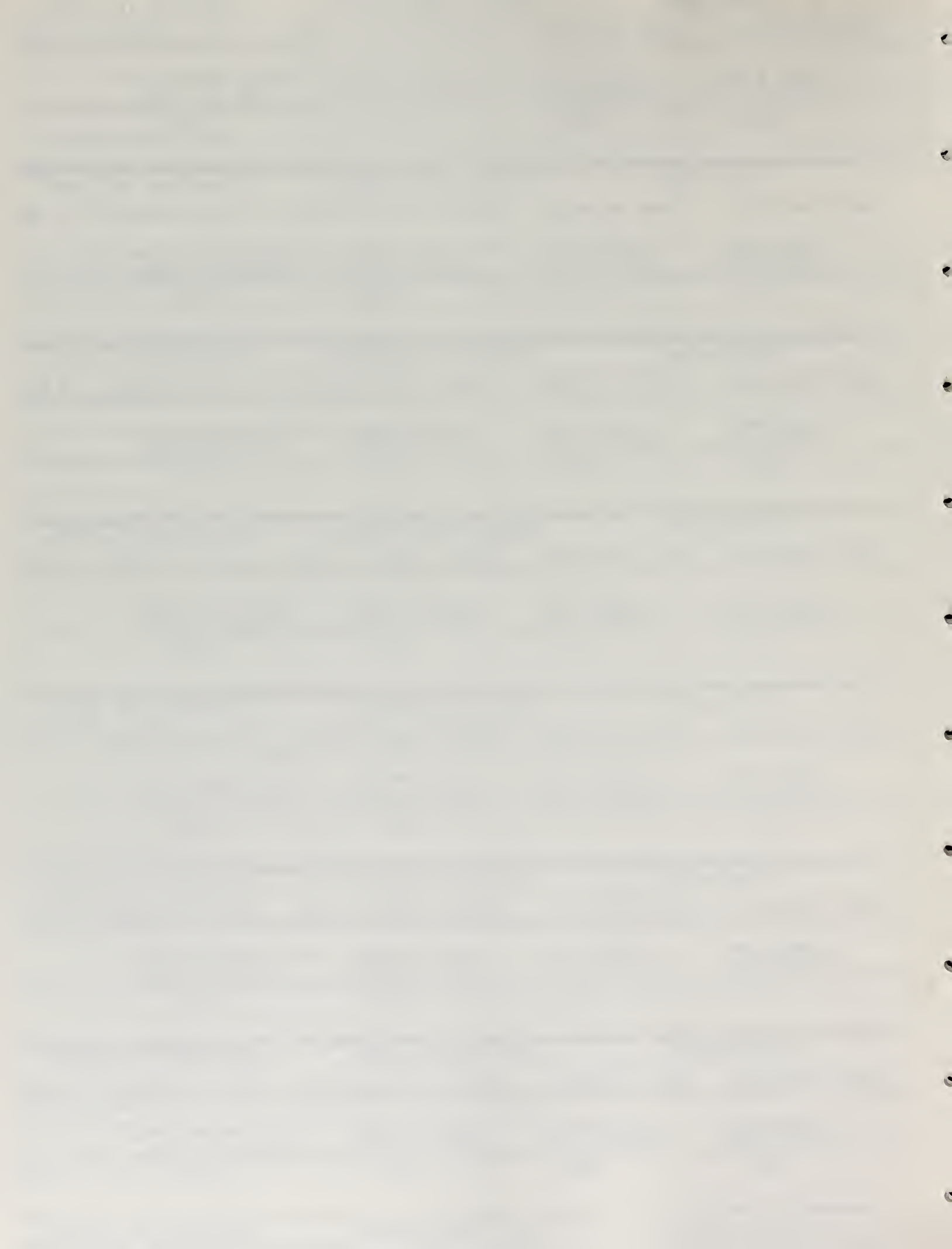
43 \*\*\*\*\*  
44 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5662

45 DATE 09/06/77 TIME 05:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
46  
47  
48  
49 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
50 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
51  
52 0. 991. 0.56 0.0  
53  
54

55 \*\*\*\*\*  
56 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5660

57 DATE 09/06/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC  
58  
59  
60  
61 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV  
62 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M  
63  
64 306. 344. 0.0 -1.15

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5663  
DATE 09/08/77 TIME 05:45MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC



UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5660

DATE 09/06/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
306.	344.	0.0	-1.15

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5663

DATE 09/08/77 TIME 05:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	267.	1.55	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5659

DATE 09/08/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	76.	0.55	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5674

DATE 09/10/77 TIME 05:52MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	495.	0.91	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5672

DATE 09/10/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.84
100.	250.	-1.03
250.	500.	-0.86
500.	750.	-1.04
750.	1000.	-1.11
1000.	1500.	-0.98

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5658

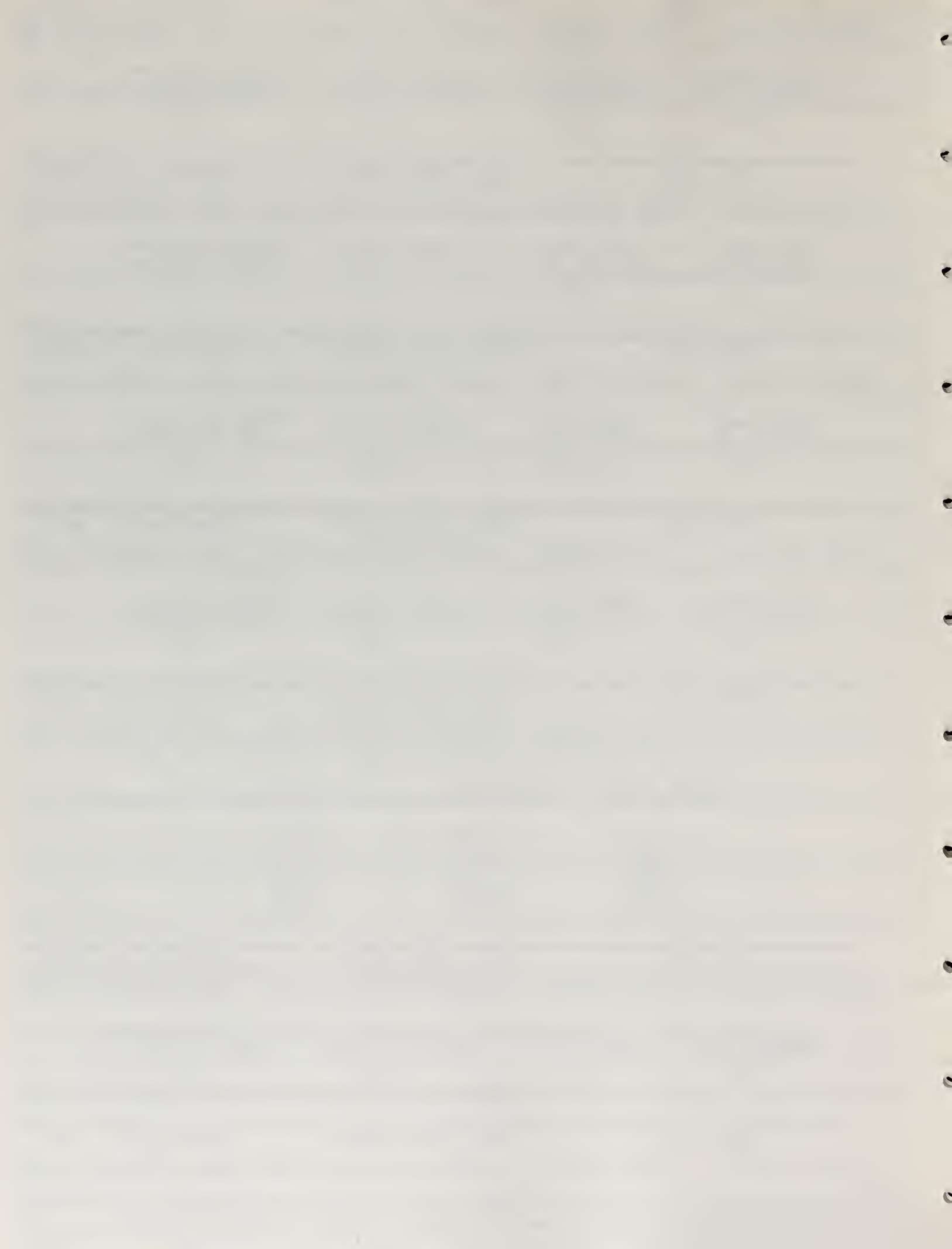
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INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	267.	1.11	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5656

DATE 09/14/77 TIME 05:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	243.	1.65	0.0



\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5656  
DATE 09/14/77 TIME 05:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	343.	1.65	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5673  
DATE 09/14/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1414.	1490.	0.36	-1.06

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5657  
DATE 09/16/77 TIME 05:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	533.	0.98	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5653  
DATE 09/18/77 TIME 05:59MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	190.	1.49	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5655  
DATE 09/18/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
125.	170.	0.0	-1.57

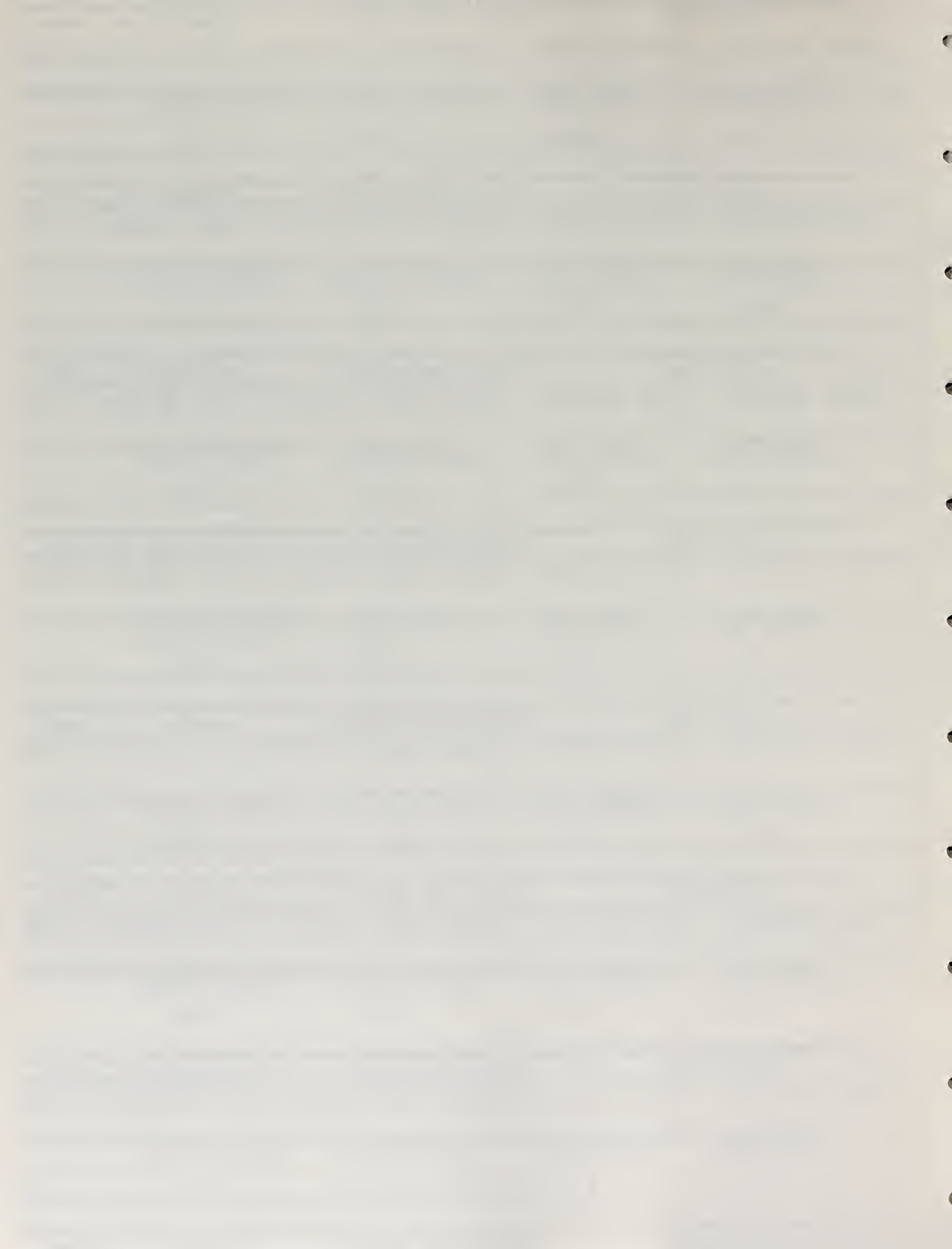
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UTAH UAUB ELEV 1585 METERS SOUNDING ID 5670  
DATE 09/20/77 TIME 06:01MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	419.	1.99	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5668  
DATE 09/22/77 TIME 06:03MST ASCENT RATE 500 FPM DATA INTERVAL 15 SE

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	419.	1.11	0.0

\*\*\*\*\*  
UTAH UAUB ELEV 1585 METERS SOUNDING ID 5666





UTAH UAUB

ELEV 1585 METERS

SOUNDING ID 5666

DATE 09/22/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1359.	1550.	0.44	-0.73

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5676

DATE 09/24/77 TIME 06:05MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	610.	1.57	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5667

DATE 09/24/77 TIME 13:50MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
229.	267.	0.0	-0.90

\*\*\*\*\*  
 UTAH UAUB ELEV 1585 METERS SOUNDING ID 5671

DATE 09/26/77 TIME 06:06MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	1.02	0.0

\*\*\*\*\*  
 UTAH UAUB ELEV 1676 METERS SOUNDING ID 5665

DATE 09/28/77 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.53
100.	250.	-1.05
250.	500.	-0.84
500.	750.	-1.04
750.	1000.	-0.96
1000.	1500.	-0.81

\*\*\*\*\*  
 UTAH UAUB ELEV 1676 METERS SOUNDING ID 0

DATE 09/30/77 TIME 07:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

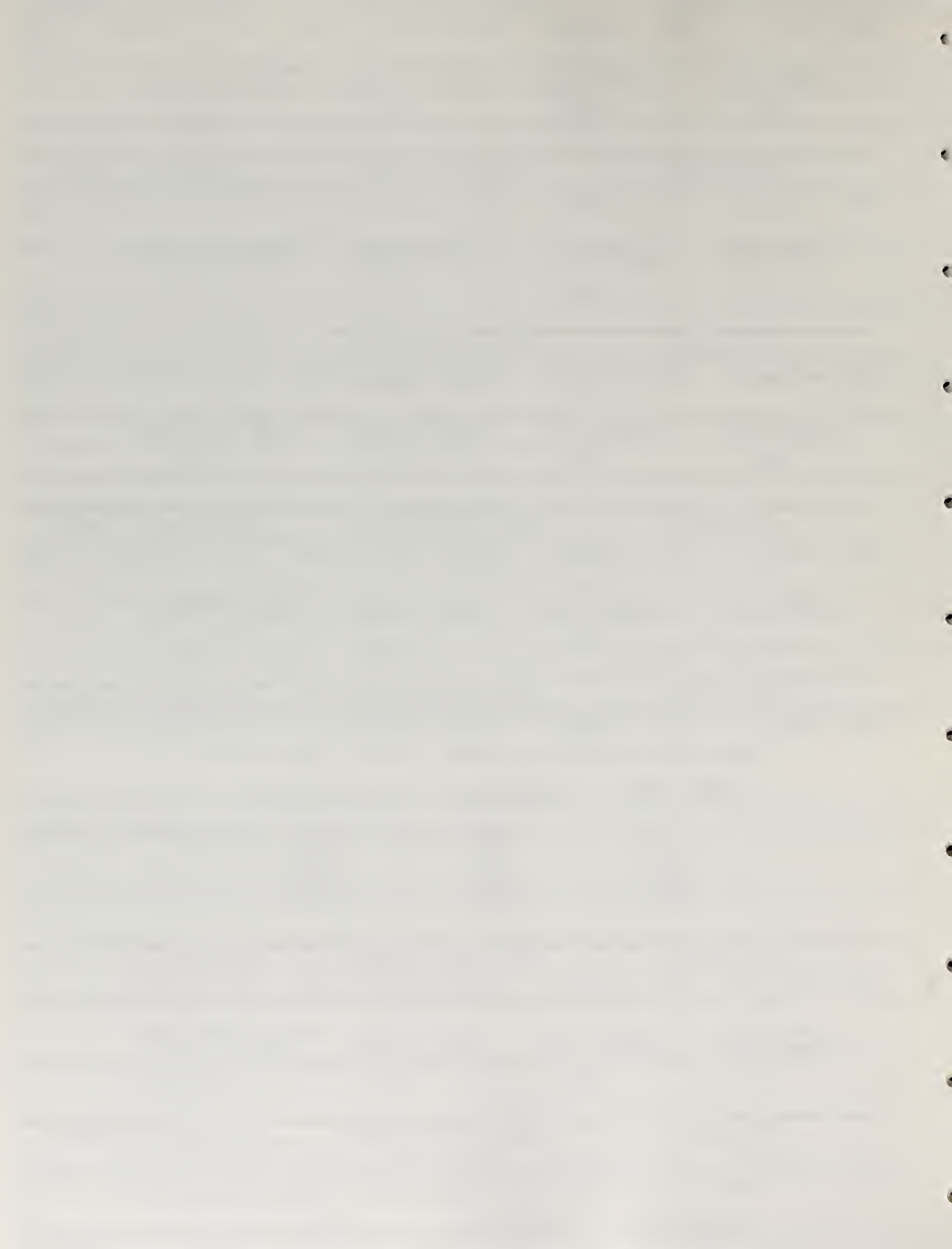
INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	114.	1.13	0.0

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 UTAH UAUB ELEV 1676 METERS SOUNDING ID 5686

DATE 09/30/77 TIME 14:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
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0.

114.

1.13

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UTAH UAUB ELEV 1676 METERS SOUNDING ID 5686

DATE 09/30/77 TIME 14:15MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

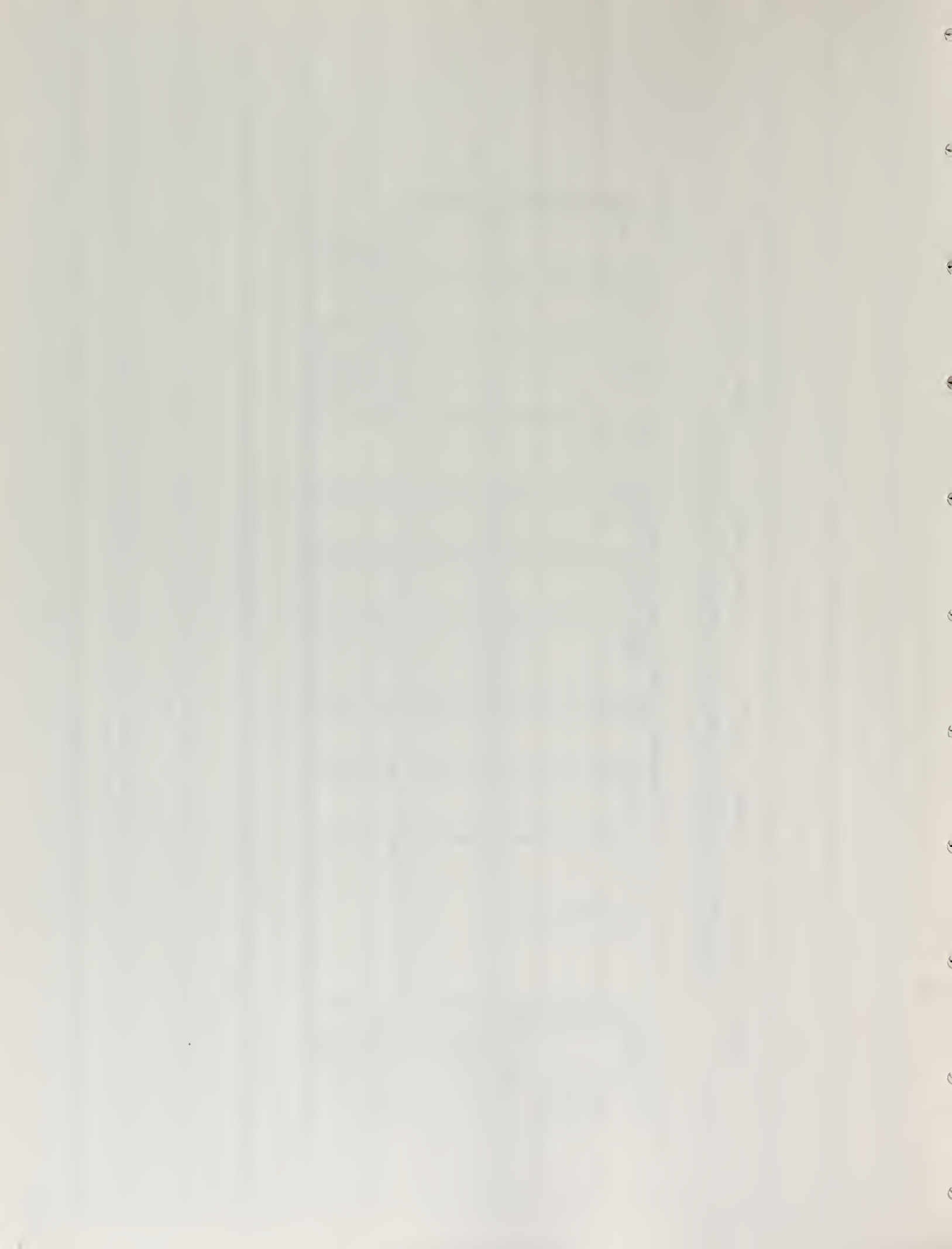
LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.24
100.	250.	-0.76
250.	500.	-0.39
500.	750.	-0.53
750.	1000.	-0.97
1000.	1500.	-0.92



MONTH: ANNUAL YEAR: 76-77 UTAH UAUB ELEV 1676 METERS

HOLZWORTH'S CLASSIFICATION SCHEME FOR INVERSIONS  
 MODIFIED TO SHOW TOTAL NUMBER INSTEAD OF PERCENT

THICKNESS (METERS)	INVERSION BASE HEIGHT (M)												TOTAL
	1- 100	101- 250	251- 500	501- 750	751- 1000	1000- 1500	1501- 2000	2001- 2500	2501- 3000	3000	3001- 3500	3501- 4000	
1 - 100	18	23	23	4	1	8	0	0	0	0	0	0	106
101 - 250	32	5	3	4	3	3	0	0	0	0	0	0	54
251 - 500	57	5	5	1	1	2	0	0	0	0	0	0	75
501 - 750	20	3	3	0	0	0	0	0	0	0	0	0	26
751 - 1000	19	3	1	0	0	0	0	0	0	0	0	0	29
1001 - 1500	17	0	0	1	0	0	0	0	0	0	0	0	21
> 1500	4	1	0	0	0	0	0	0	0	0	0	0	5
INV TOTAL	167	46	35	10	5	13	0	0	0	0	0	0	316
DT/DZ 5	5	2	0	0	0	0	0	0	0	0	0	0	7
FROM INV 4	5	9	4	2	1	3	0	0	0	0	0	0	24
BASE 3	8	11	17	7	3	10	0	0	0	0	0	0	56
TO 2	6	15	11	1	1	0	0	0	0	0	0	0	34
SFC 1	16	19	3	0	0	0	0	0	0	0	0	0	28
NO INV TOT	20	20	20	20	20	20	20	20	20	20	20	20	280
DT/DZ FOR 5	1	0	2	1	2	1	1	1	1	1	1	1	12
SAME 4	0	10	3	5	7	7	7	7	7	7	7	7	84
LAYERS 3	3	10	15	14	11	12	12	12	12	12	12	12	144
AS INV 2	2	0	0	0	0	0	0	0	0	0	0	0	2
BASE 1	14	0	0	0	0	0	0	0	0	0	0	0	14
DT/DZ (DEG C)/100M	5 = 0.00 TO -0.40	4 = -0.41 TO -0.80	3 = -0.81 TO -1.20	2 = -1.21 TO -1.60	1 = < -1.60								



MONTH: ANNUAL YEAR: 76-77 UTAH UAUB SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	0-3	4-6	7-10	SPEED (METER/SEC) 11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE A STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA





MONTH: ANNUAL YEAR: 76-77 UTAH UAUB SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC)							TOTAL
	0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE B STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA



MONTH: ANNUAL YEAR: 76-77 UTAH UAUB SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RELATIVE FREQUENCY OF OCCURENCE OF THE C STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62



MONTH: ANNUAL      YEAR: 76-77      UTAH UAUB      SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC)					TOTAL
	0-3	4-6	7-10	11-16	17-21	
N	0.01	0.0	0.0	0.0	0.0	0.01
NNE	0.01	0.0	0.01	0.0	0.0	0.02
NE	0.01	0.02	0.0	0.0	0.0	0.03
ENE	0.03	0.0	0.0	0.01	0.0	0.03
E	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.01	0.0	0.0	0.0	0.01
SSE	0.02	0.01	0.03	0.02	0.0	0.08
S	0.0	0.0	0.04	0.01	0.0	0.05
SSW	0.03	0.02	0.03	0.01	0.0	0.10
SW	0.0	0.0	0.01	0.0	0.0	0.01
WSW	0.05	0.07	0.03	0.01	0.0	0.16
W	0.02	0.02	0.03	0.0	0.0	0.07
WNW	0.17	0.12	0.03	0.0	0.0	0.32
NW	0.03	0.01	0.01	0.0	0.0	0.05
NNW	0.05	0.0	0.01	0.0	0.0	0.06
AVG SPEED	1.8	4.6	8.0	12.3	24.0	0.0
TOTAL	0.43	0.28	0.22	0.06	0.0	1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE D STABILITY CLASS IS 0.47

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA



MONTH: ANNUAL      YEAR: 76-77      UTAH UAUB      SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC)					TOTAL
	0-3	4-6	7-10	11-16	17-21	
N	0.02	0.00	0.00	0.00	0.00	0.02
NNE	0.01	0.00	0.00	0.00	0.00	0.01
NE	0.01	0.00	0.00	0.00	0.00	0.02
ENE	0.02	0.02	0.00	0.00	0.00	0.04
E	0.02	0.00	0.00	0.00	0.00	0.04
ESE	0.05	0.02	0.00	0.00	0.00	0.07
SE	0.03	0.01	0.00	0.00	0.00	0.04
SSE	0.17	0.08	0.00	0.00	0.00	0.25
S	0.02	0.07	0.00	0.00	0.00	0.09
SSW	0.09	0.09	0.00	0.00	0.00	0.18
SW	0.02	0.01	0.00	0.00	0.00	0.03
WSW	0.06	0.01	0.00	0.00	0.00	0.07
W	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.05	0.02	0.00	0.00	0.00	0.07
NW	0.04	0.00	0.00	0.00	0.00	0.04
NNW	0.05	0.02	0.00	0.00	0.00	0.07
AVG SPEED	1.7	3.6	0.00	0.00	0.00	0.0
TOTAL	0.63	0.37	0.00	0.00	0.00	1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE E STABILITY CLASS IS 0.42

RELATIVE FREQUENCY OF CALM 0.00

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA





MONTH: ANNUAL      YEAR: 76-77      UTAH UAUB      SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC)						TOTAL
	0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.03	0.00	0.00	0.00	0.00	0.00	0.03
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.03	0.00	0.00	0.00	0.00	0.00	0.03
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.09	0.00	0.00	0.00	0.00	0.00	0.09
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.29	0.00	0.00	0.00	0.00	0.00	0.29
S	0.03	0.00	0.00	0.00	0.00	0.00	0.03
SSW	0.32	0.00	0.00	0.00	0.00	0.00	0.32
SW	0.06	0.00	0.00	0.00	0.00	0.00	0.06
WSW	0.06	0.00	0.00	0.00	0.00	0.00	0.06
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.03	0.00	0.00	0.00	0.00	0.00	0.03
NNW	0.06	0.00	0.00	0.00	0.00	0.00	0.06
AVG SPEED	1.3	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.00	0.0	0.0	0.0	0.0	0.0	1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE F STABILITY CLASS IS 0.11

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA



MONTH: ANNUAL YEAR: 76-77 UTAH UAUB SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC)						TOTAL
	0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	
N	0.01	0.0	0.0	0.0	0.0	0.0	0.01
NNE	0.01	0.0	0.00	0.0	0.0	0.0	0.02
NE	0.01	0.01	0.0	0.0	0.0	0.0	0.02
ENE	0.03	0.01	0.0	0.00	0.0	0.0	0.04
E	0.01	0.01	0.0	0.0	0.0	0.0	0.02
ESE	0.03	0.01	0.0	0.0	0.0	0.0	0.04
SE	0.01	0.01	0.0	0.0	0.0	0.0	0.02
SSE	0.11	0.04	0.01	0.01	0.0	0.0	0.18
S	0.01	0.03	0.02	0.00	0.0	0.0	0.06
SSW	0.09	0.05	0.02	0.01	0.0	0.00	0.15
SW	0.01	0.00	0.00	0.0	0.0	0.0	0.02
WSW	0.06	0.04	0.01	0.01	0.0	0.0	0.11
W	0.01	0.01	0.01	0.0	0.0	0.0	0.03
WNW	0.10	0.06	0.02	0.0	0.0	0.0	0.18
NW	0.03	0.01	0.00	0.0	0.0	0.0	0.04
NNW	0.05	0.01	0.00	0.0	0.0	0.0	0.06
AVG SPEED	1.6	4.1	8.0	12.3	0.0	24.0	0.0
TOTAL	0.58	0.29	0.10	0.03	0.0	0.00	1.00

NORMALIZED FREQUENCY DISTRIBUTION INDEPENDENT OF STABILITY

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 340 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA



Form 1279-3  
June 1984)

BORROWER

FOR USE OF THE  
BUREAU OF LAND MANAGEMENT  
U.S. DEPARTMENT OF THE INTERIOR

DATE LOANED	BORROWER

USDI - BLM

