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ANNUAL PROGRESS REPORT
for the period
1 March 1976 to 28 February 1977

to

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

Contract No. 68-01-1946

Colorado C-b Tract

aeromet inc.

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by

Aeromet, Inc.
P.O. Box FF
Norman, OK 73070

STANDARD
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1.0 INTRODUCTION

Low level temperature and wind data were collected for the year period from 1 March 1976 to 28 February 1977 at Casper, Wyoming; the Colorado C-b Tract 25 miles west of Rio Blanco, Colorado; Craig, Colorado; Escalante and Hanksville, Utah; and Rock Springs, Wyoming. The data collection was made 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 made $\frac{1}{2}$ hour after sunrise and 1400L.

The pilot balloon had an ascent rate of 500 ft/min and it 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 24 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 $+50^{\circ}\text{C}$. 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.

The Annual Progress Report is divided into six parts, one corresponding to each of the six field sites. The temperature and wind data were not edited after the completion of the Monthly Progress Reports.

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 $\frac{1}{2}$ 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 are calculated and listed for the morning and afternoon soundings in the table Average Mixing Layer Height.

A summary of the average mixing layer heights calculated with the 0°, +5° and +10° "heat island" effects for each of the six field sites for the year 1 March 1976 to 28 February 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 for each site 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 for each site a monthly 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

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

for 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 ΔT 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 detailed description of the punched output can be found in the Monthly Progress Reports.

AVERAGE MIXING LAYER HEIGHT
 Colorado C-b Tract
 Annual: March 1976 to February 1977

MIXING LAYER HEIGHT (Height in meters)	PERCENT OF OCCURRENCE					
	MORNING			AFTERNOON		
	0'	+5'	+10'	0'	+5'	+10'
surface	44.8			14.2		
1 - 250m	37.6	17.5	7.7	26.1	1.7	1.7
251 - 500m	4.0	9.2	5.1	6.7	0.9	
501 - 750m	3.2	5.8	3.4	11.8	1.7	
751 - 1000m	0.8	13.3	2.6	8.4	4.3	
1001 - 1250m	4.8	7.5	3.4	5.0	6.1	1.7
1251 - 1500m	1.6	5.8	4.3	3.3	13.0	0.9
1501 - 1750m	0.8	6.7	4.3	10.9	6.1	3.5
1751 - 2000m		0.8	6.8	4.2	7.0	0.9
> 2000m	0.8	17.5	28.2	5.9	33.0	27.0
None defined	1.6	15.8	34.2	4.2	26.1	64.3
TOTAL NUMBER	125	120	117	119	115	115

 CCL CB TRACT ELEV 2042 METERS SOUNDING ID 1687
 DATE 03/13/76 TIME 07:15MST ASCENT RATE 600 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.	1.42	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1685
 DATE 03/13/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.
 THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1684
 DATE 03/15/76 TIME 07:15MST ASCENT RATE 600 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.	91.	0.55	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1682
 DATE 03/15/76 TIME 13:30MST ASCENT RATE 600 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
720.	766.	0.61	-1.05

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1681
 DATE 03/17/76 TIME 07:15MST ASCENT RATE 600 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.	-1.03
100.	250.	-1.00
250.	500.	-0.76
500.	750.	-0.81
750.	1000.	-0.84
1000.	1500.	-0.90

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1842
 DATE 03/17/76 TIME 13:30MST ASCENT RATE 600 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.	-0.93
100.	250.	-1.05
250.	500.	-1.13
500.	750.	-0.87
750.	1000.	-0.88
1000.	1500.	-1.06

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1848 ,
 DATE 03/19/76 TIME 07:20MST ASCENT RATE 600 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
1341.	1478.	0.36	-0.85

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1844
 DATE 03/19/76 TIME 13:30MST ASCENT RATE 600 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.	-2.44
100.	250.	-0.86
250.	500.	-0.95
500.	750.	-1.04
750.	1000.	-0.95
1000.	1500.	-0.99

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1846
 DATE 03/21/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.
 THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1847
 DATE 03/21/76 TIME 13:00MST ASCENT RATE 600 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
1281.	1327.	0.44	-1.09

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1842
 DATE 03/23/76 TIME 07:15MST ASCENT RATE 600 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.	46.	0.66	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1843
 DATE 03/23/76 TIME 12:50MST ASCENT RATE 600 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.	-1.37
100.	250.	-0.83
250.	500.	-0.64
500.	750.	-0.64
750.	1000.	-1.08
1000.	1500.	-1.02

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1841

DATE 03/25/76 TIME 07:10MST ASCENT RATE 600 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
46.	91.	0.88	-0.44

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1839

DATE 03/25/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1837

DATE 03/27/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1835

DATE 03/27/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1833

DATE 03/29/76 TIME 07:15MST ASCENT RATE 600 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.	91.	0.22	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1834

DATE 03/29/76 TIME 13:30MST ASCENT RATE 600 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
46.	91.	1.09	-0.66

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1836

DATE 03/31/76 TIME 07:10MST ASCENT RATE 600 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
183.	229.	0.0	-0.66

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1838

DATE 03/31/76 TIME 13:30MST ASCENT RATE 600 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
922.	968.	0.0	-0.94

DATE 04/02/76 TIME 07:20MST ASCENT RATE 600 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
46.	366.	0.31	-1.75

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1831

DATE 04/02/76 TIME 13:30MST ASCENT RATE 600 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
320.	366.	0.0	-0.63

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1830

DATE 04/04/76 TIME 07:15MST ASCENT RATE 600 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.	787.	0.0	-0.80

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1828

DATE 04/04/76 TIME 13:45MST ASCENT RATE 600 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.	-1.78
100.	250.	-0.99
250.	500.	-1.04
500.	750.	-0.99
750.	1000.	-1.04
1000.	1500.	-0.82

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1826

DATE 04/06/76 TIME 07:00MST ASCENT RATE 600 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.	-1.85
100.	250.	-0.80
250.	500.	-1.03
500.	750.	-0.70
750.	1000.	-0.76
1000.	1500.	-0.88

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1832

DATE 04/06/76 TIME 14:00MST ASCENT RATE 600 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.	-2.10
100.	250.	-1.01
250.	500.	-0.83
500.	750.	-0.88
750.	1000.	-0.89
1000.	1500.	-0.84

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1829
 DATE 04/08/76 TIME 07:45MST ASCENT RATE 600 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.	46.	0.22	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1827
 DATE 04/08/76 TIME 14:00MST ASCENT RATE 600 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
46.	91.	0.0	-0.44

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2072
 DATE 04/10/76 TIME 07:15MST ASCENT RATE 600 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
183.	229.	0.0	-0.27

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2074
 DATE 04/10/76 TIME 13:30MST ASCENT RATE 600 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
610.	655.	0.22	-1.00

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1825
 DATE 04/12/76 TIME 07:00MST ASCENT RATE 600 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.	-0.86
100.	250.	-0.82
250.	500.	-0.74
500.	750.	-0.90
750.	1000.	-0.87
1000.	1500.	-0.89

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2073
 DATE 04/12/76 TIME 14:30MST ASCENT RATE 600 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.	-0.79
100.	250.	-0.95
250.	500.	-0.98
500.	750.	-0.99
750.	1000.	-0.98
1000.	1500.	-1.01

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2071

DATE 04/14/76 TIME 07:00MST ASCENT RATE 600 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

549.

594.

0.0

-0.78

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2067

DATE 04/14/76 TIME 13:30MST ASCENT RATE 600 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.	-1.11
100.	250.	-1.14
250.	500.	-1.05
500.	750.	-0.94
750.	1000.	-0.81
1000.	1500.	-0.62

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2065

DATE 04/16/76 TIME 07:00MST ASCENT RATE 600 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.	-0.79
100.	250.	-0.87
250.	500.	-0.52
500.	750.	-1.06
750.	1000.	-0.77
1000.	1500.	-0.83

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2066

DATE 04/16/76 TIME 13:30MST ASCENT RATE 600 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

366.

412.

0.0

-0.71

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2064

DATE 04/20/76 TIME 07:00MST ASCENT RATE 600 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

1344.

1664.

1.09

-0.77

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2063

DATE 04/20/76 TIME 14:00MST ASCENT RATE 600 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

1239.

1296.

0.0

-1.11

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2070

DATE 04/22/76 TIME 07:00MST ASCENT RATE 600 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.	-0.59
100.	250.	-0.96
250.	500.	-1.03
500.	750.	-0.93
750.	1000.	-0.89
1000.	1500.	-0.96

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2068

DATE 04/22/76 TIME 13:30MST ASCENT RATE 600 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.	-1.90
100.	250.	-1.14
250.	500.	-0.88
500.	750.	-0.96
750.	1000.	-1.05
1000.	1500.	-1.04

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2235

DATE 04/24/76 TIME 07:00MST ASCENT RATE 600 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
594.	640.	0.22	-0.81

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2233

DATE 04/24/76 TIME 11:45MST ASCENT RATE 600 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
782.	827.	0.0	-0.87

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2237

DATE 04/26/76 TIME 06:45MST ASCENT RATE 600 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.	-1.27
100.	250.	-1.03
250.	500.	-0.86
500.	750.	-1.06
750.	1000.	-1.01
1000.	1500.	-0.98

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2238

DATE 04/26/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

DATE 04/28/76 TIME 06:30MST ASCENT RATE 600 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.	91.	0.55	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2234

DATE 04/28/76 TIME 13:00MST ASCENT RATE 600 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.	-1.55
100.	250.	-0.76
250.	500.	-1.12
500.	750.	-1.11
750.	1000.	-0.86
1000.	1500.	-1.00

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2245

DATE 04/30/76 TIME 06:45MST ASCENT RATE 600 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
183.	274.	0.11	-0.98

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2243

DATE 04/30/76 TIME 12:00MST ASCENT RATE 600 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
1092.	1183.	0.0	-1.11

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2241

DATE 05/02/76 TIME 06:04MST ASCENT RATE 600 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.	137.	1.46	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2242

DATE 05/02/76 TIME 12:05MST ASCENT RATE 600 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
1336.	1382.	0.0	-0.96

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2240

DATE 05/04/76 TIME 06:30MST ASCENT RATE 600 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
591.	637.	0.0	0.05

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2239
 DATE 05/04/76 TIME 12:30MST ASCENT RATE 600 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.	-2.01
100.	250.	-0.82
250.	500.	-0.94
500.	750.	-0.73
750.	1000.	-1.00
1000.	1500.	-0.86

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2246
 DATE 05/06/76 TIME 06:30MST ASCENT RATE 600 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
46.	91.	0.22	-0.88

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2248
 DATE 05/06/76 TIME 12:30MST ASCENT RATE 600 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
417.	463.	0.0	-1.25

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2247
 DATE 05/08/76 TIME 06:10MST ASCENT RATE 600 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
581.	718.	0.0	-1.89

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2249
 DATE 05/08/76 TIME 12:36MST ASCENT RATE 600 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.	370.	0.22	-0.83

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2251
 DATE 05/10/76 TIME 06:00MST ASCENT RATE 600 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.	91.	0.33	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2253
 DATE 05/10/76 TIME 12:30MST 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.	-1.81
100.	250.	-0.95
250.	500.	-1.07
500.	750.	-0.90
750.	1000.	-0.96
1000.	1500.	-1.02

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2250
 DATE 05/12/76 TIME 06:00MST ASCENT RATE 600 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.	457.	0.0	-0.92

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2254
 DATE 05/12/76 TIME 13:00MST ASCENT RATE 600 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
1415.	1461.	0.0	-1.06

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2252
 DATE 05/14/76 TIME 05:45MST ASCENT RATE 600 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
91.	137.	0.66	-0.55

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2255
 DATE 05/14/76 TIME 13:00MST ASCENT RATE 600 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
320.	366.	0.0	-0.75

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2130
 DATE 05/18/76 TIME 06:30MST ASCENT RATE 600 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.	-0.71
100.	250.	-0.72
250.	500.	-0.75
500.	750.	-1.08
750.	1000.	-0.85
1000.	1500.	-1.02

DATE 05/18/76 TIME 13:00MST ASCENT RATE 600 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.	274.	0.0	-1.01

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2173

DATE 05/20/76 TIME 12:30MST ASCENT RATE 600 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
686.	732.	0.0	-0.80

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2175

DATE 05/22/76 TIME 06:00MST ASCENT RATE 600 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.	-0.88
100.	250.	-0.93
250.	500.	-0.76
500.	750.	-0.68
750.	1000.	-0.72
1000.	1500.	-0.71

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2174

DATE 05/22/76 TIME 12:30MST ASCENT RATE 600 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.	-1.25
100.	250.	-0.97
250.	500.	-0.82
500.	750.	-0.64
750.	1000.	-0.75
1000.	1500.	-0.80

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2177

DATE 05/24/76 TIME 06:00MST ASCENT RATE 600 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
183.	229.	1.31	-0.98

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2172

DATE 05/24/76 TIME 12:30MST ASCENT RATE 600 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.	-1.25
100.	250.	-0.91
250.	500.	-0.98
500.	750.	-1.02
750.	1000.	-1.01
1000.	1500.	-1.01

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2171
 DATE 05/26/76 TIME 06:00MST ASCENT RATE 600 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.	690.	0.0	-0.79

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2178
 DATE 05/26/76 TIME 12:30MST ASCENT RATE 600 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
686.	777.	0.11	-0.83

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1152
 DATE 05/28/76 TIME 06:00MST ASCENT RATE 600 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.	-0.84
100.	250.	-0.92
250.	500.	-0.98
500.	750.	-0.98
750.	1000.	-1.03
1000.	1500.	-1.00

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1643
 DATE 05/28/76 TIME 12:30MST ASCENT RATE 600 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
1235.	1281.	0.0	-0.92

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1416
 DATE 05/30/76 TIME 06:00MST ASCENT RATE 600 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
91.	137.	0.0	-0.55

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 6760
 DATE 05/30/76 TIME 12:00MST ASCENT RATE 600 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
380.	425.	0.22	-1.08

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1794

DATE 06/01/76 TIME 06:00MST ASCENT RATE 600 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.	-1.11
100.	250.	-0.84
250.	500.	-0.89
500.	750.	-0.98
750.	1000.	-1.07
1000.	1500.	-0.90

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1846

DATE 06/01/76 TIME 12:00MST ASCENT RATE 600 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.	-1.54
100.	250.	-0.65
250.	500.	-0.85
500.	750.	-0.96
750.	1000.	-0.87
1000.	1500.	-0.80

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 158

DATE 06/03/76 TIME 06:00MST ASCENT RATE 600 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.	183.	0.27	0.0

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 194

DATE 06/03/76 TIME 12:00MST ASCENT RATE 600 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.	-1.13
100.	250.	-1.08
250.	500.	-0.94
500.	750.	-1.14
750.	1000.	-1.00
1000.	1500.	-0.97

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1926

DATE 06/05/76 TIME 12:00MST ASCENT RATE 600 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.	-0.71
100.	250.	-0.93
250.	500.	-0.96
500.	750.	-0.66
750.	1000.	-0.90
1000.	1500.	-1.08

DATE 06/07/76 TIME 06:00MST ASCENT RATE 600 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.	46.	0.0	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 1036

DATE 06/07/76 TIME 12:30MST ASCENT RATE 600 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
187.	233.	0.0	-1.07

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 1024

DATE 06/09/76 TIME 06:00MST ASCENT RATE 600 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
370.	416.	0.0	-0.95

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 528

DATE 06/09/76 TIME 12:30MST ASCENT RATE 600 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
535.	581.	0.0	-1.21

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 170

DATE 06/11/76 TIME 06:15MST ASCENT RATE 600 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
1162.	1207.	0.0	-1.03

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 06/11/76 TIME 12:00MST ASCENT RATE 600 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
163.	320.	0.0	-0.55

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 06/13/76 TIME 06:00MST ASCENT RATE 600 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.	-1.39
100.	250.	-1.07
250.	500.	-0.83
500.	750.	-0.71
750.	1000.	-0.70
1000.	1500.	-0.70

INV BASE METERS AGL 1358. INV TOP METERS AGL 1449. INV DT/DZ (DEG C)/100M 0.0 DT/DZ BELOW INV (DEG C)/100M -1.10

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 127

INV BASE METERS AGL 1234. INV TOP METERS AGL 1463. INV DT/DZ (DEG C)/100M 0.22 DT/DZ BELOW INV (DEG C)/100M -0.72

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 439

INV BASE METERS AGL 290. INV TOP METERS AGL 335. INV DT/DZ (DEG C)/100M 0.0 DT/DZ BELOW INV (DEG C)/100M -1.00

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 1173

INV BASE METERS AGL 0. INV TOP METERS AGL 46. INV DT/DZ (DEG C)/100M 0.0 DT/DZ BELOW INV (DEG C)/100M 0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2747

INV BASE METERS AGL 91. INV TOP METERS AGL 137. INV DT/DZ (DEG C)/100M 0.0 DT/DZ BELOW INV (DEG C)/100M -1.09

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2741

INV BASE METERS AGL 171. INV TOP METERS AGL 246. INV DT/DZ (DEG C)/100M 0.0 DT/DZ BELOW INV (DEG C)/100M -1.87

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2743

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

Table with 3 columns: LAYER BASE METERS AGL, LAYER TOP METERS AGL, DT/DZ (DEG C)/100M. Rows show data for layers from 0 to 1500 meters.

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2745

DATE 06/23/76

TIME 06:00MST

ASCENT RATE 600 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

947.

993.

0.0

-0.90

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2740

DATE 06/23/76

TIME 12:00MST

ASCENT RATE 600 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.
250.
500.
750.
1000.

100.
250.
500.
750.
1000.
1500.

-2.72
-1.34
-0.74
-0.94
-0.98
-1.05

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2746

DATE 06/25/76

TIME 06:00MST

ASCENT RATE 600 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

1050.

1095.

0.0

-1.02

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2744

DATE 06/25/76

TIME 12:00MST

ASCENT RATE 600 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.
250.
500.
750.
1000.

100.
250.
500.
750.
1000.
1500.

-0.79
-0.94
-1.07
-1.03
-0.86
-1.01

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2742

DATE 06/27/76

TIME 06:00MST

ASCENT RATE 600 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

274.

320.

0.22

-0.58

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2736

DATE 06/27/76

TIME 12:00MST

ASCENT RATE 600 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

1436.

1482.

0.0

-0.94

DATE 07/01/76 TIME 06:00MST ASCENT RATE 600 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.	-2.88
100.	250.	-0.76
250.	500.	-1.07
500.	750.	-0.89
750.	1000.	-1.08
1000.	1500.	-0.83

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2738

DATE 07/03/76 TIME 06:00MST ASCENT RATE 600 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.	-0.88
100.	250.	-0.81
250.	500.	-0.79
500.	750.	-0.91
750.	1000.	-0.73
1000.	1500.	-0.88

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2735

DATE 07/03/76 TIME 12:30MST ASCENT RATE 600 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.	-0.59
100.	250.	-1.00
250.	500.	-1.09
500.	750.	-0.75
750.	1000.	-0.96
1000.	1500.	-0.87

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2734

DATE 07/09/76 TIME 06:15MST 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
76.	114.	0.0	-0.79

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2735

DATE 07/09/76 TIME 11:00MST 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
495.	535.	0.0	-0.75

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2732

DATE 07/11/76 TIME 06:45MST 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.	114.	0.0	-0.39

CCL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2724

DATE 07/11/76 TIME 11:30MST 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.	-0.32
100.	250.	-0.46
250.	500.	-0.88
500.	750.	-1.04
750.	1000.	-1.04
1000.	1500.	-0.89

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2726

DATE 07/13/76 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
316.	392.	0.0	-0.85

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2736

DATE 07/13/76 TIME 12:00MST 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.	-1.35
100.	250.	-0.92
250.	500.	-1.06
500.	750.	-1.07
750.	1000.	-0.87
1000.	1500.	-0.82

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2730

DATE 07/15/76 TIME 06:45MST 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
38.	572.	0.02	-0.24

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2728

DATE 07/15/76 TIME 11:30MST 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
191.	229.	0.24	-0.75

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2799

DATE 07/17/76 TIME 06:30MST 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.	76.	0.12	0.0

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2727

DATE 07/17/76 TIME 12:00MST 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.	-1.44
100.	250.	-0.86
250.	500.	-1.09
500.	750.	-1.01
750.	1000.	-1.01
1000.	1500.	-0.91

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1424

DATE 07/19/76 TIME 06:30MST 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
152.	229.	0.35	-0.41

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2309

DATE 07/19/76 TIME 12:00MST 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
365.	408.	0.0	-1.12

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2063

DATE 07/21/76 TIME 06:00MST 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.	0.12	0.0

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2312

DATE 07/21/76 TIME 12:00MST 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.	-1.82
100.	250.	-0.80
250.	500.	-1.02
500.	750.	-0.93
750.	1000.	-0.99
1000.	1500.	-0.97

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1746

DATE 07/23/76 TIME 06:00MST 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
38.	76.	0.0	-0.24

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2216

DATE 07/23/76 TIME 12:00MST 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.	-0.67
100.	250.	-0.45
250.	500.	-0.85
500.	750.	-0.76
750.	1000.	-0.73
1000.	1500.	-0.73

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2310

DATE 07/25/76 TIME 06:00MST 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
1177.	1215.	1.44	-0.95

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2317

DATE 07/25/76 TIME 12:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 200CM OF THE SFC

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 08/16/76 TIME 06:00MST 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
651.	689.	0.0	-0.88

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 08/16/76 TIME 12:00MST 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
565.	603.	0.0	-0.93

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 1363

DATE 08/24/76 TIME 06:15MST 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
457.	495.	0.26	-0.65

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 08/24/76 TIME 12:00MST 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.	0.0	-0.61

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1423
DATE 08/26/76 TIME 06:30MST 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
38.	76.	0.0	-0.50

COL CB TRACT ELEV 2042 METERS SOUNDING ID 13
DATE 08/26/76 TIME 12:15MST 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
570.	646.	0.0	-0.97

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0
DATE 08/30/76 TIME 06:30MST 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
419.	457.	0.0	-0.60

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2005
DATE 08/30/76 TIME 12:00MST 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
1170.	1246.	0.0	-1.02

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2009
DATE 09/01/76 TIME 06:30MST 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
38.	76.	0.24	-0.24

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2011
DATE 09/01/76 TIME 12:00MST 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
634.	672.	0.0	-0.73

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1941
DATE 09/03/76 TIME 06:30MST 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
459.	574.	0.08	-0.78

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1227

DATE 09/03/76 TIME 13:00MST 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.	-0.63
100.	250.	-0.87
250.	500.	-0.63
500.	750.	-0.59
750.	1000.	-0.71
1000.	1500.	-0.74

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 992

DATE 09/07/76 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
229.	267.	0.0	-0.48

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 09/07/76 TIME 12:00MST 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.	38.	0.0	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2279

DATE 09/09/76 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.	267.	0.28	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2368

DATE 09/09/76 TIME 12:00MST 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.	38.	4.72	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2331

DATE 09/15/76 TIME 06:10MST 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.	76.	0.0	-0.24

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2523

DATE 09/15/76 TIME 13:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

DATE 09/17/76 TIME 08:30MST 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.	-0.51
250.	500.	-0.93
500.	750.	-0.94
750.	1000.	-0.98
1000.	1500.	-0.94

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2406

DATE 09/17/76 TIME 14:45MST 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
305.	457.	0.0	-0.68

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 09/21/76 TIME 06:45MST 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
0.	419.	0.39	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 09/21/76 TIME 12:30MST 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
191.	229.	0.0	-0.61

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2123

DATE 09/23/76 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.	38.	0.0	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2061

DATE 09/23/76 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
991.	1029.	0.0	-0.52

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2179

DATE 09/25/76 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
38.	648.	0.07	-0.50

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2237

DATE 09/25/76 TIME 12:37MST 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
114.	495.	0.12	-0.41

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 2058

DATE 09/27/76 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
76.	152.	0.0	-0.38

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1965

DATE 09/27/76 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
76.	114.	0.0	-0.37

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1958

DATE 09/29/76 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.	38.	0.0	0.0

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1947

DATE 09/29/76 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
787.	825.	0.0	-1.00

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1981

DATE 10/26/76 TIME 08:00MST 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
38.	381.	0.0	-0.76

COL CB TRACT

ELEV 2042 METERS

SOUNDING ID 1564

DATE 10/26/76 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
1418.	1457.	0.0	-0.96

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1909
 DATE 10/28/76 TIME 12:45MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 449. 640. 1.26 -1.04

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 1881
 DATE 10/30/76 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 294. 332. 0.0 -1.04

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3157
 DATE 11/01/76 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 114. 0.58 0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3158
 DATE 11/04/76 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 305. 0.28 0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3155
 DATE 11/05/76 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 114. 1.82 0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3152
 DATE 11/08/76 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 38. 0.24 0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3154
 DATE 11/08/76 TIME 14:30MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 76. 114. 0.0 -0.84

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3153
DATE 11/10/76 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
38.	152.	0.09	-0.50

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3160
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
0.	38.	0.0	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3149
DATE 11/12/76 TIME 08:15MST 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
38.	762.	0.98	-1.55

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3147
DATE 11/12/76 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
0.	38.	0.50	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3148
DATE 11/15/76 TIME 08:30MST 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
38.	191.	0.25	-0.76

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3152
DATE 11/15/76 TIME 14:30MST 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.	38.	0.0	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3150
DATE 11/16/76 TIME 08:30MST 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
76.	114.	0.0	-0.26

DATE 11/16/76 TIME 14:50MST 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.	-4.12
100.	250.	-0.74
250.	500.	-0.88
500.	750.	-0.98
750.	1000.	-0.98
1000.	1500.	-1.01

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 3146

DATE 11/18/76 TIME 08:30MST 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.	267.	1.06	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 3143

DATE 11/18/76 TIME 12:40MST 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
174.	220.	0.19	-1.37

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 3142

DATE 11/19/76 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.	229.	0.87	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 3142

DATE 11/19/76 TIME 12:30MST 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
846.	884.	0.0	-1.09

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 3144

DATE 11/22/76 TIME 07:20MST 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.	0.46	0.0

***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 3140

DATE 11/22/76 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
114.	152.	0.50	-1.07

DATE 11/24/76 TIME 08:30MST 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.	229.	0.21	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3138

DATE 11/24/76 TIME 14:30MST 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.	-1.96
100.	250.	-0.81
250.	500.	-1.00
500.	750.	-1.03
750.	1000.	-0.96
1000.	1500.	-1.00

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3137

DATE 11/29/76 TIME 08:25MST 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
333.	485.	0.26	-0.98

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2867

DATE 11/29/76 TIME 14:30MST 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
952.	1028.	0.13	-1.05

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2865

DATE 11/30/76 TIME 08:30MST 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
76.	201.	0.15	-2.78

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2863

DATE 11/30/76 TIME 13:30MST 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
932.	1008.	1.02	-1.03

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2861

DATE 12/02/76 TIME 08:30MST 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.	229.	0.42	0.0

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2866
 DATE 12/02/76 TIME 15:30MST 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
 339. 377. 0.0 -1.06

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2862
 DATE 12/03/76 TIME 13:30MST 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
 677. 715. 2.02 -0.99

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2864
 DATE 12/06/76 TIME 07:55MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2360
 DATE 12/06/76 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
 584. 627. 0.0 -1.03

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2858
 DATE 12/08/76 TIME 08:30MST 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
 305. 419. 0.17 -0.71

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2859
 DATE 12/08/76 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
 343. 381. 0.0 -0.56

 ***** COL CB TRACT ELEV 2042 METERS SOUNDING ID 2853
 DATE 12/10/76 TIME 08:15MST 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
 515. 744. 1.08 -1.00

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2852
 DATE 12/10/76 TIME 12:30MST 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
 730. 1015. 1.11 -1.32

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2855
 DATE 01/05/77 TIME 08:00MST 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
 152. 724. 0.70 -0.99

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2857
 DATE 01/05/77 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
 191. 229. 0.0 -0.86

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2847
 DATE 01/07/77 TIME 08:00MST 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
 38. 533. 0.70 -0.50

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2846
 DATE 01/07/77 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
 634. 672. 0.79 -1.03

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2844
 DATE 01/09/77 TIME 08:00MST 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. 572. 0.53 0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2848
 DATE 01/09/77 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
 1432. 1508. 0.0 -0.93

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2849
 DATE 01/11/77 TIME 08:30MST 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.	305.	5.49	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2850
 DATE 01/11/77 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
0.	267.	3.87	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 2851
 DATE 01/13/77 TIME 08:20MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3395
 DATE 01/13/77 TIME 16:30MST 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.	-1.52
100.	250.	-0.70
250.	500.	-0.95
500.	750.	-1.00
750.	1000.	-0.96
1000.	1500.	-1.00

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3393
 DATE 01/15/77 TIME 08:30MST 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.	1143.	0.39	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3398
 DATE 01/17/77 TIME 08:24MST 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.	419.	1.63	0.0

 COL CB TRACT ELEV 2042 METERS SOUNDING ID 3399
 DATE 01/17/77 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
647.	685.	0.0	-1.03

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3390
DATE 01/19/77 TIME 08:15MST 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
402.	440.	0.73	-1.49

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3383
DATE 01/19/77 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.	381.	3.12	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3388
DATE 01/21/77 TIME 08:15MST 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.	267.	3.41	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3400
DATE 01/21/77 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
953.	991.	0.0	-0.92

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3386
DATE 01/23/77 TIME 08:00MST 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
285.	323.	0.0	-0.96

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3392
DATE 01/23/77 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
76.	136.	0.0	-2.27

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3391
DATE 01/25/77 TIME 08:00MST 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.	419.	1.92	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3390
DATE 01/25/77 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
0.	38.	0.0	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3389
DATE 01/27/77 TIME 08:00MST 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.	495.	1.83	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 3382
DATE 01/27/77 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
706.	744.	0.50	-1.07

COL CB TRACT ELEV 2042 METERS SOUNDING ID 4116
DATE 01/29/77 TIME 08:00MST 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.	419.	3.43	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 4126
DATE 01/29/77 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
0.	76.	2.35	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 4122
DATE 01/31/77 TIME 08:00MST 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.	457.	3.04	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 4123
DATE 01/31/77 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
1383.	1421.	0.0	-0.95

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 0
 DATE 02/02/77 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 166. 281. 0.0 -1.17

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 4117
 DATE 02/02/77 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 38. 0.0 0.0

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 4110
 DATE 02/04/77 TIME 08:20MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 495. 1.34 0.0

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 4120
 DATE 02/04/77 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 597. 635. 0.0 -1.22

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 4118
 DATE 02/06/77 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 610. 2.06 0.0

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 4119
 DATE 02/06/77 TIME 14:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 333. 371. 0.50 -1.00

 COL CB TRACT ELEV 2025 METERS SOUNDING ID 4108
 DATE 02/08/77 TIME 08:00MST ASCENT RATE 500 FPM DATA INTERVAL 15 SEC.
 INV BASE INV TOP INV DT/DZ DT/DZ BELOW INV
 METERS AGL METERS AGL (DEG C)/100M (DEG C)/100M
 0. 381. 4.03 0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4107
DATE 02/08/77 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
0.	38.	0.0	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4109
DATE 02/10/77 TIME 08:00MST 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.	762.	1.89	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4124
DATE 02/10/77 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
0.	38.	0.73	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4117
DATE 02/12/77 TIME 08:00MST 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.	800.	1.45	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4122
DATE 02/12/77 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.	159.	0.20	-1.38

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4111
DATE 02/14/77 TIME 08:00MST 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
136.	297.	0.41	-1.76

COL CB TRACT ELEV 2025 METERS SOUNDING ID 4104
DATE 02/14/77 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
727.	770.	0.0	-1.10

DATE 02/16/77 TIME 08:25MST 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.	533.	1.30	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 3784

DATE 02/16/77 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
0.	38.	0.97	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 3786

DATE 02/18/77 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
0.	305.	2.26	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 3785

DATE 02/18/77 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
316.	354.	0.73	-1.35

COL CB TRACT ELEV 2025 METERS SOUNDING ID 3791

DATE 02/21/77 TIME 08:00MST 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.	191.	2.92	0.0

COL CB TRACT ELEV 2025 METERS SOUNDING ID 3787

DATE 02/21/77 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.	-0.76
250.	500.	-1.16
500.	750.	-0.90
750.	1000.	-1.04
1000.	1500.	-1.01

COL CB TRACT ELEV 2025 METERS SOUNDING ID 3790

DATE 02/22/77 TIME 08:00MST 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
849.	888.	0.0	-1.00

DATE 02/22/77 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
530.	568.	1.26	-1.17

***** COL CB TRACT ELEV 2025 METERS SOUNDING ID 3776

DATE 02/24/77 TIME 08:00MST 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
1188.	1226.	0.52	-0.97

***** COL CB TRACT ELEV 2025 METERS SOUNDING ID 3777

DATE 02/24/77 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
0.	152.	0.87	0.0

***** COL CB TRACT ELEV 2025 METERS SOUNDING ID 3781

DATE 02/26/77 TIME 08:00MST 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.	419.	0.89	0.0

***** COL CB TRACT ELEV 2025 METERS SOUNDING ID 3783

DATE 02/26/77 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.	-1.90
100.	250.	-0.73
250.	500.	-1.03
500.	750.	-1.09
750.	1000.	-1.05
1000.	1500.	-0.99

***** COL CB TRACT ELEV 2025 METERS SOUNDING ID 3782

DATE 02/28/77 TIME 08:00MST 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
76.	267.	1.01	-0.38

***** COL CB TRACT ELEV 2025 METERS SOUNDING ID 3780

DATE 02/28/77 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
38.	114.	0.37	-3.44

MONTH: ANNUAL YEAR: 76-77 COL CB TRACT 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	0.0	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
E	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
ESE	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
SSE	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
SSW	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
WSW	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
WNW	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
NNW	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
TOTAL	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 251 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: ANNUAL YEAR: 76-77 CCL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	0-3	4-6	7-10	SPEED (METER/SEC)			GREATER THAN 21	AVERAGE SPEED	TOTAL
				11-16	17-21	21-25			
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	0.25	0.0	0.0	0.0	0.0	4.6	0.25	
SSE	0.0	0.25	0.0	0.0	0.0	0.0	3.2	0.25	
S	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	
SSW	0.25	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	2.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.25	0.75	0.0	0.0	0.0	0.0	0.0	1.00	

RELATIVE FREQUENCY OF OCCURRENCE OF THE B STABILITY CLASS IS 0.02

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 251 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: ANNUAL YEAR: 76-77 COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC)					TOTAL
	0-3	4-6	7-10	11-16	17-21	
N	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
NE	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
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	0.0	0.0	0.0	0.0	0.0
SSE	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
SSW	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
WSW	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
WNW	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
NNW	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
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE C STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 251 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: ANNUAL YEAR: 76-77 COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	C-3	4-6	7-10	SPEED (METER/SEC)			GREATER THAN 21	AVERAGE SPEED	TOTAL
				11-16	17-21				
N	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02	
NNE	0.03	0.0	0.01	0.0	0.0	0.0	0.0	0.04	
NE	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.02	
ENE	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.04	
E	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	
ESE	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.02	
SF	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	
SSE	0.03	0.02	0.02	0.01	0.0	0.0	0.0	0.09	
S	0.02	0.03	0.01	0.02	0.0	0.0	0.0	0.08	
SSW	0.07	0.09	0.09	0.04	0.0	0.0	0.0	0.29	
SW	0.02	0.02	0.01	0.0	0.0	0.0	0.0	0.04	
WSW	0.04	0.02	0.02	0.0	0.0	0.0	0.0	0.08	
W	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.02	
WNW	0.02	0.05	0.01	0.01	0.0	0.0	0.0	0.09	
NW	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.04	
NNW	0.05	0.04	0.01	0.01	0.01	0.0	0.0	0.12	
AVG SPEED	1.7	4.5	8.0	12.6	17.3	0.0	0.0	0.0	
TOTAL	0.39	0.32	0.19	0.09	0.01	0.0	0.0	1.00	

RELATIVE FREQUENCY OF OCCURRENCE OF THE D STABILITY CLASS IS 0.75

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 251 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: ANNUAL YEAR: 76-77 COL CB TRACT 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	0.09	0.02	0.0	0.0	0.0	0.0	1.7	0.11
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.02	0.0	0.0	0.0	0.0	0.0	1.6	0.02
E	0.05	0.0	0.0	0.0	0.0	0.0	1.7	0.05
ESE	0.09	0.02	0.0	0.0	0.0	0.0	2.3	0.11
SE	0.0	0.05	0.0	0.0	0.0	0.0	3.7	0.05
SSE	0.16	0.02	0.0	0.0	0.0	0.0	3.3	0.18
S	0.05	0.05	0.0	0.0	0.0	0.0	3.1	0.09
SSW	0.11	0.07	0.0	0.0	0.0	0.0	2.5	0.18
SW	0.05	0.0	0.0	0.0	0.0	0.0	1.0	0.05
WSW	0.05	0.0	0.0	0.0	0.0	0.0	1.8	0.05
W	0.0	0.02	0.0	0.0	0.0	0.0	3.5	0.02
WNW	0.05	0.0	0.0	0.0	0.0	0.0	0.9	0.05
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.05	0.0	0.0	0.0	0.0	3.9	0.05
AVG SPEED	1.8	3.6	0.0	0.0	0.0	0.0		0.0
TOTAL	0.70	0.30	0.0	0.0	0.0	0.0		1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE E STABILITY CLASS IS 0.20

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 251 SOUNDINGS DID NOT HAVE SCC M OF TEMP AND WIND DATA

MONTH: ANNUAL YEAR: 76-77 COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	0-3	4-6	7-10	SPEED (METER/SEC)			GREATER THAN 21	AVERAGE SPEED	TOTAL
				11-16	17-21				
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NNE	0.13	0.0	0.0	0.0	0.0	0.0	2.1	0.13	
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	0.13	0.0	0.0	0.0	0.0	0.0	1.7	0.13	
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SSE	0.63	0.0	0.0	0.0	0.0	0.0	2.2	0.63	
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	0.13	0.0	0.0	0.0	0.0	0.0	1.4	0.13	
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	2.0	0.0	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	0.0	1.00	

RELATIVE FREQUENCY OF OCCURRENCE OF THE F STABILITY CLASS IS 0.04

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 251 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA .

MONTH: ANNUAL YEAR: 76-77 COL CB TRACT 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	0.01	0.01	0.00	0.00	0.00	0.00	3.3	0.02
NNE	0.04	0.00	0.00	0.00	0.00	0.00	2.3	0.05
NE	0.01	0.00	0.00	0.00	0.00	0.00	3.2	0.01
ENE	0.03	0.00	0.00	0.00	0.00	0.00	1.3	0.03
E	0.02	0.00	0.00	0.00	0.00	0.00	1.7	0.02
ESE	0.03	0.01	0.00	0.00	0.00	0.00	2.5	0.04
SE	0.00	0.01	0.00	0.00	0.00	0.00	3.1	0.01
SSE	0.09	0.03	0.02	0.01	0.00	0.00	4.0	0.13
S	0.03	0.04	0.01	0.01	0.00	0.00	5.3	0.08
SSW	0.08	0.08	0.07	0.03	0.00	0.00	5.7	0.26
SW	0.02	0.01	0.00	0.00	0.00	0.00	2.8	0.04
WSW	0.04	0.02	0.02	0.00	0.00	0.00	3.9	0.07
W	0.01	0.00	0.00	0.00	0.00	0.00	4.4	0.02
WNW	0.02	0.04	0.01	0.00	0.00	0.00	4.2	0.08
NW	0.01	0.02	0.00	0.00	0.00	0.00	3.7	0.03
NNW	0.04	0.04	0.01	0.00	0.00	0.00	4.5	0.10
AVG SPEED	1.8	4.3	8.0	12.6	17.3	0.0		0.0
TOTAL	0.47	0.31	0.14	0.07	0.00	0.0		1.00

NORMALIZED FREQUENCY DISTRIBUTION INDEPENDENT OF STABILITY

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 27 SOUNDINGS FROM A SAMPLE OF 251 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

Form 1279-3
(June 1984)

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