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ARMY ELECTRONICS RESEARCH AND DEVELOPMENT COMMAND WS--ETC F/8 4/2
193048 05RS, MISSILE NUMBER 1080, ROUND NUMBER V-92, 6 DECEMBER--ETC(U)
DEC 79

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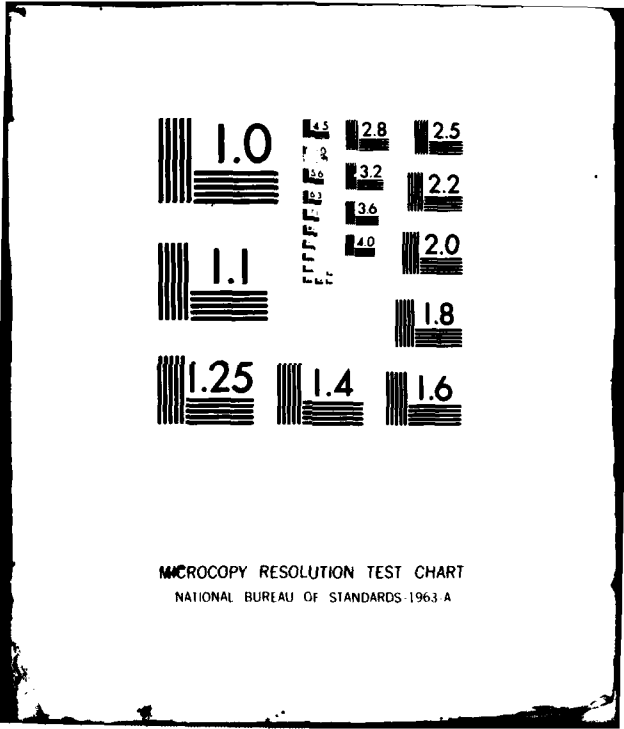
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER DR 1098	2. GOVT ACCESSION NO. (14) ERADCOM/ASL-DR-1098	3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle) (6) 19304B GSRS, Missile Number 1080, Round Number V-92, 6 December 1979.	5. TYPE OF REPORT & PERIOD COVERED		
7. AUTHOR(s) White Sands Meteorological Team	6. PERFORMING ORG. REPORT NUMBER		
9. PERFORMING ORGANIZATION NAME AND ADDRESS (9) Meteorological data rept.	8. CONTRACT OR GRANT NUMBER(s) (16) DA Task 1F665702D12702 (17)		
11. CONTROLLING OFFICE NAME AND ADDRESS US Army Electronics Research & Development Cnd (11) Atmospheric Sciences Laboratory White Sands Missile Range, New Mexico 88002	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS (12) (17)		
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) US Army Electronics Research & Development Cnd Adelphi, MD 20783	12. REPORT DATE Dec 1979		
	13. NUMBER OF PAGES 17		
	15. SECURITY CL ASS. (of this report) UNCLASSIFIED		
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE		
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number)			
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Meteorological data gathered for the launching of the 19304B GSRS, Missile Number 1080, Round Number V-92 are presented in tabular form. <i>A</i>			

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INTRODUCTION

19304B GSRS, Missile Number 1080, Round Number V-92,
was launched from LC-33, White Sands Missile Range (WSMR), New Mexico,
at 1516 MST on 06 December 1979. The scheduled launch time was 1515 MST.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

(1) Standard surface observations to include pressure, temperature ($^{\circ}\text{C}$), relative humidity, dew point ($^{\circ}\text{C}$), density (gm/m^3), Wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.

(2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

SITE AND ALTITUDE

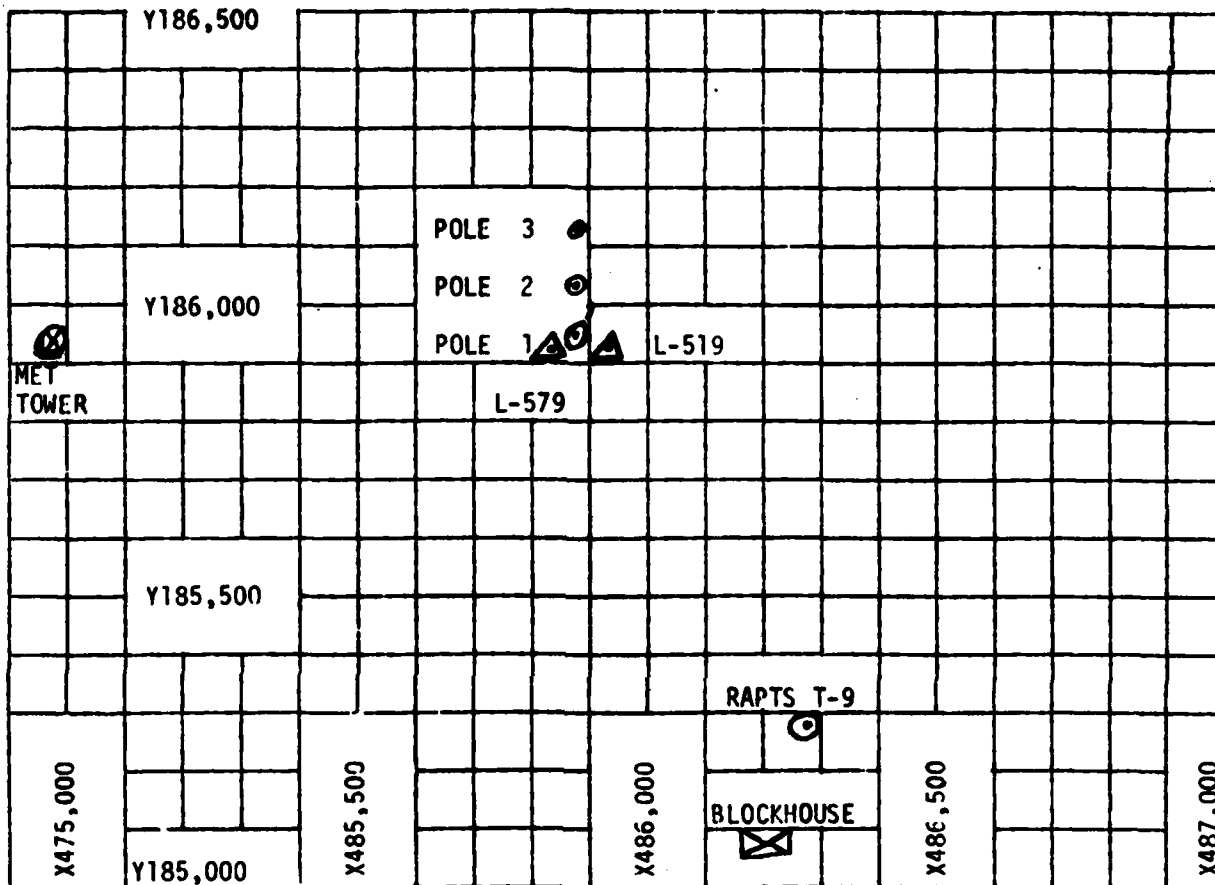
LC-33 2Km
Nick 2Km

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to 78,000 feet in 500-foot increments.

SITE AND TIME

SMR 1445 MST

NORTH



1. MET TOWER - 4 Bendix Model T-20 Anemometers at 12 ft, 62 ft, 102 ft, and 202 ft with E/A recorders.
2. POLE ANEMOMETER - Bendix Model T-120 with E/A recorders.
 - (a) Pole #1 - 38.7 ft.
 - (b) Pole #2 - 53.0 ft.
 - (c) Pole #3 - 83.6 ft.
3. RAPTS T-9 Radar Automatic Pilot-Balloon Tracking System T-9 Radar.

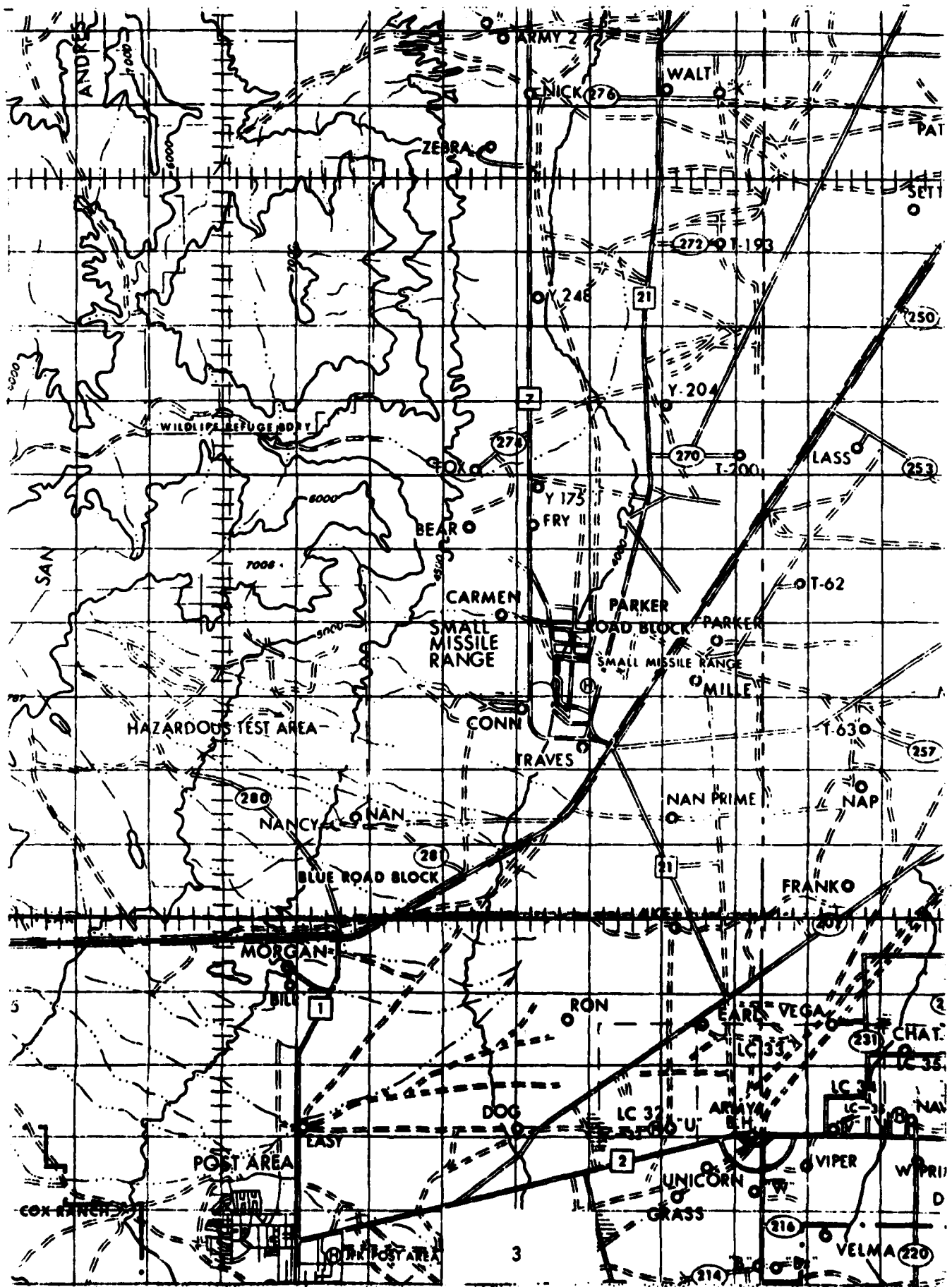


TABLE 1. Surface Observations taken at 1516 MST,
 06 December 1979, at LC-33, 19304B GSRS,
 Missile Number 1080, Round Number V-92.

ELEVATION	3977.30	FT/MSL
PRESSURE	874.9	MBS
TEMPERATURE	15.0	°C
RELATIVE HUMIDITY	22	%
DEW POINT	-6.7	°C
DENSITY	1054	GM/M ³
WIND SPEED	01	KTS
WIND DIRECTION	144	DEGREES
CLOUD COVER	4	Ct

TABLE 2

LC-33 FIXED POLE ANEMOMETER MEASURED WINDS

POLE #1 X485,874.29 Y185,958.90 H4018.74 38.7 ft. AGL			POLE #2 X485,874.93 Y186,012.00 H4033.57 53.0 ft. AGL			POLE #3 X485,877.29 Y186,116.06 H4063.92 83.6 ft. AGL		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	225	04	-30	246	02	-30	225	01
-20	225	04	-20	242	03	-20	206	02
-10	225	03	-10	244	02	-10	228	03
0.0	225	03	0.0	244	02	0.0	228	02
+10	225	02	+10	258	02	+10	227	02

TABLE 3

LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 12 FEET X484,982.64, Y185,057.73, H3983.00 (base)			LEVEL #2, 62 FEET X484,982.64, Y185,057.73, H3983.00 (base)		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30		CALM	-30	MISG	01
-20		CALM	-20	MISG	02
-10		CALM	-10	MISG	01
0.0		CALM	0.0	MISG	01
+10		CALM	+10		CALM

LEVEL #3, 102 FEET X484,982.64, Y185,057.73, H3983.00 (base)			LEVEL #4, 202 FEET X484,982, Y185,057.73, H3983.00 (base)		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30		CALM	-30		CALM
-20		CALM	-20		CALM
-10		CALM	-10		CALM
0.0		CALM	0.0		CALM
+10		CALM	+10		CALM

STATION ALTITUDE 9989.00 FEET MSL
 6 DEC. 79 1445 HRS MST
 ASCEN.SIGN. NO. 507

SIGNIFICANT LEVEL DATA
 3400020507
 WHITE SANDS

GEODETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 6

PRESSURE GEOMETRIC ALTITUDE	TEMPERATURE	REL. HUM.
MILLIBARS MSL FEET	AIR DEWPOINT	PERCENT
	DEGREES CENTIGRADE	
874.4	14.0	25.0
871.4	14.9	19.0
850.0	12.4	19.0
762.0	4.4	25.0
742.6	4.1	24.0
735.0	6.5	21.0
700.0	6.2	21.0
604.8	.0	22.0
679.0	-2.3	22.0
555.2	-3.9	14.0
500.0	-10.6	16.0
400.0	-24.5	17.0
341.4	-34.7	18.0
300.0	-42.2	
250.0	-53.7	
232.8	-55.6	
213.8	-56.4	
200.0	-56.2	
194.2	-55.0	
167.2	-57.4	
158.6	-57.4	
150.0	-60.0	
146.4	-60.5	
125.4	-61.4	
109.4	-66.5	
100.0	-64.7	
95.4	-63.8	
84.4	-57.4	
75.0	-66.7	
70.0	-67.9	
50.0	-63.3	
44.4	-64.1	
34.4	-57.4	
30.0	-55.4	

STATION ALTITUDE 9989.00 FEET MSL
 6 DEC. 79 1445 HRS MST
 ASCEND. V. NO. 507

UPPER AIR DATA
 3400020507
 WHITE SARUS

GEODETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 7

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARMS	TEMPERATURE		REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
		AIR DEGREE'S	DEWPOINT CENTIGRADE				DIRECTION UEGRESS(TN)	SPEED KNOTS	
3989.0	874.4	14.0	-5.7	25.0	1059.0	660.7	0.0	280.0	1.000254
4000.0	874.1	14.1	-6.0	24.3	1058.2	660.8	0.0	280.0	1.000254
4500.0	858.4	13.4	-9.7	19.0	1042.3	659.9	0.0	280.0	1.000246
5000.0	842.9	11.8	-10.8	19.5	1029.3	658.0	0.0	280.0	1.000242
5500.0	827.5	10.4	-11.2	20.5	1015.3	656.4	0.0	280.0	1.000238
6000.0	812.3	9.1	-11.3	21.5	1001.5	654.9	0.0	280.0	1.000235
6500.0	797.5	7.7	-12.3	22.5	988.0	653.3	0.0	280.0	1.000231
7000.0	782.9	6.4	-12.9	23.5	974.7	651.7	0.0	288.1	1.000228
7500.0	768.6	5.0	-13.6	24.5	961.5	650.1	0.0	294.2	1.000225
8000.0	754.5	4.3	-14.2	24.6	945.4	649.2	0.0	298.1	1.000221
8500.0	740.5	4.6	-14.5	23.3	927.7	649.6	0.0	302.2	1.000216
9000.0	726.8	6.4	-14.3	21.0	904.7	651.8	0.0	305.4	1.000211
9500.0	713.5	6.3	-14.4	21.0	889.4	651.6	0.0	307.9	1.000208
10000.0	700.3	6.2	-14.5	21.0	872.4	651.5	0.0	311.7	1.000204
10500.0	687.3	5.4	-15.0	21.1	858.6	650.6	0.0	315.5	1.000201
11000.0	674.5	4.6	-15.6	21.3	845.1	649.6	0.0	318.8	1.000197
11500.0	662.0	3.8	-16.2	21.4	831.8	648.7	0.0	318.4	1.000194
12000.0	649.6	3.0	-16.8	21.5	813.7	647.7	0.0	317.9	1.000190
12500.0	637.6	2.2	-17.4	21.6	805.8	646.8	0.0	315.9	1.000187
13000.0	625.7	1.4	-18.0	21.8	793.1	645.8	0.0	310.2	1.000184
13500.0	614.0	0.6	-18.6	21.9	780.6	644.9	0.0	304.1	1.000181
14000.0	602.6	-0.2	-19.3	22.0	768.4	643.9	0.0	298.9	1.000178
14500.0	591.2	-1.2	-20.1	22.0	756.7	642.7	0.0	294.8	1.000175
15000.0	580.0	-2.2	-21.0	22.0	745.2	641.5	0.0	291.4	1.000172
15500.0	569.0	-2.9	-23.3	18.9	733.0	640.6	0.0	289.2	1.000168
16000.0	558.2	-3.6	-25.0	15.6	721.0	639.8	0.0	287.1	1.000164
16500.0	547.5	-4.6	-27.8	14.2	709.8	638.6	0.0	286.9	1.000161
17000.0	536.7	-5.9	-29.6	14.6	699.5	637.0	0.0	287.1	1.000159
17500.0	526.5	-7.2	-29.3	15.0	689.3	635.5	0.0	288.2	1.000156
18000.0	516.3	-8.5	-30.1	15.4	679.3	633.9	0.0	293.6	1.000154
18500.0	506.3	-9.8	-30.9	15.8	669.5	632.4	0.0	300.7	1.000152
19000.0	496.4	-11.0	-31.8	16.0	659.6	630.8	0.0	310.0	1.000149
19500.0	486.4	-12.3	-32.8	16.1	649.5	629.3	0.0	322.3	1.000147
20000.0	476.7	-13.6	-33.8	16.2	639.5	627.7	0.0	336.9	1.000144
20500.0	467.1	-14.8	-34.8	16.3	629.8	626.2	0.0	345.5	1.000142
21000.0	457.7	-16.1	-35.8	16.4	620.2	624.7	0.0	344.0	1.000140
21500.0	448.5	-17.4	-36.8	16.5	610.7	623.1	0.0	342.7	1.000138
22000.0	439.5	-18.6	-37.8	16.6	601.4	621.6	0.0	342.8	1.000135
22500.0	430.7	-19.9	-38.8	16.7	592.3	620.0	0.0	344.6	1.000133
23000.0	422.0	-21.2	-39.8	16.8	583.3	618.5	0.0	346.5	1.000131

UPPER AIR DATA
 3400020507
 WHITE SANDS

STATION ALTITUDE 3989.00 FEET MSL
 6 DEC. 79
 1445 HRS MST
 ASCENSION NO. 507

GEODETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 7 (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT DEGREES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
23500.0	413.5	-22.4	-40.8	16.9	574.5	616.9	351.6	12.7	1.000129
24000.0	405.2	-23.7	-41.8	16.9	565.8	615.4	4.1	11.5	1.000127
24500.0	396.9	-25.0	-42.8	17.0	557.1	613.7	18.9	10.9	1.000125
25000.0	388.6	-26.4	-43.9	17.2	548.4	612.0	31.4	11.1	1.000123
25500.0	380.4	-27.7	-45.0	17.3	539.9	610.3	33.1	11.9	1.000121
26000.0	372.4	-29.1	-46.1	17.5	531.5	608.6	34.6	12.7	1.000119
26500.0	364.5	-30.5	-47.2	17.6	523.2	606.9	35.9	13.6	1.000117
27000.0	356.8	-31.9	-48.3	17.7	515.1	605.2	32.9	14.4	1.000115
27500.0	349.3	-33.2	-49.3	17.9	507.2	603.5	30.2	15.2	1.000113
28000.0	342.0	-34.6	-50.4	18.0	499.3	601.7	27.8	16.0	1.000112
28500.0	334.5	-35.9	-53.0	15.2**	491.1	600.1	24.0	17.0	1.000110
29000.0	327.2	-37.2	-55.9	12.1**	483.0	598.5	19.4	18.2	1.000108
29500.0	320.0	-38.4	-59.2	9.0**	475.0	596.8	15.4	19.5	1.000106
30000.0	313.1	-39.7	-63.4	5.9**	467.2	595.2	12.3	20.9	1.000104
30500.0	306.2	-41.0	-69.6	2.9**	459.5	593.6	11.3	22.1	1.000102
31000.0	299.5	-42.3			452.0	591.9	10.5	23.3	1.000101
31500.0	292.7	-43.8			444.5	590.0	9.7	24.5	1.000099
32000.0	286.0	-45.2			437.1	588.2	9.3	25.7	1.000097
32500.0	279.5	-46.7			429.9	586.3	9.4	27.0	1.000096
33000.0	273.2	-48.1			422.8	584.4	9.5	28.3	1.000094
33500.0	266.9	-49.6			415.9	582.5	9.5	29.6	1.000093
34000.0	260.9	-51.0			409.1	580.6	9.6	31.0	1.000091
34500.0	254.9	-52.5			402.4	578.7	10.1	32.4	1.000090
35000.0	249.1	-53.9			395.7	576.9	10.4	33.7	1.000088
35500.0	243.5	-54.9			388.4	575.5	10.6	35.1	1.000087
36000.0	237.5	-55.7			380.5	574.5	11.7	35.7	1.000085
36500.0	231.9	-55.8			371.8	574.3	12.7	36.2	1.000083
37000.0	226.5	-56.0			363.3	574.1	13.7	36.8	1.000081
37500.0	221.1	-56.2			355.0	573.9	14.7	37.3	1.000079
38000.0	215.9	-56.3			346.9	573.6	15.5	38.4	1.000077
38500.0	210.8	-56.4			338.6	573.6	16.2	39.7	1.000075
39000.0	205.8	-56.5			330.7	573.7	16.8	41.0	1.000074
39500.0	201.0	-56.2			322.8	573.8	17.4	42.2	1.000072
40000.0	196.3	-55.4			314.0	574.8	18.1	43.1	1.000070
40500.0	191.6	-55.2			306.3	575.1	18.9	43.6	1.000068
41000.0	187.1	-55.6			299.6	574.6	19.6	44.5	1.000067
41500.0	182.7	-56.0			293.1	574.1	20.3	45.2	1.000065
42000.0	178.4	-56.4			286.6	573.6	21.1	43.9	1.000064
42500.0	174.2	-56.7			280.4	573.1	22.0	41.6	1.000062
43000.0	170.1	-57.1			274.3	572.6	23.0	39.2	1.000061

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

UPPER AIR DATA
 3400020507
 WHITE SANDS

STATION ALTITUDE 3989.00 FEET MSL
 6 DEC. 79
 ASCENSION NO. 507

GEODETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 7 (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARMS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GRAMS/CUBIC METER	SPEED OF SOUND KNOTS	DIRECTION DEGREES(TN)	WIND DATA		INDEX OF REFRACTION
							SPEED KNOTS	REFRACTION	
43500.0	166.0	-57.4		266.1	572.2	24.2	36.9	1.000060	
44000.0	152.1	-57.4		261.8	572.2	22.6	35.7	1.000058	
44500.0	158.3	-57.5		255.7	572.1	18.4	35.8	1.000057	
45000.0	154.5	-58.6		250.9	570.6	14.3	36.1	1.000056	
45500.0	150.8	-59.8		246.2	569.1	10.3	36.6	1.000055	
46000.0	147.2	-60.4		241.0	568.3	7.7	36.8	1.000054	
46500.0	143.6	-60.6		235.4	568.0	6.5	36.7	1.000052	
47000.0	140.2	-60.7		229.9	567.8	5.2	36.6	1.000051	
47500.0	136.8	-60.9		224.5	567.6	4.0	36.4	1.000050	
48000.0	133.5	-61.0		219.2	567.5	5.3	33.2	1.000049	
48500.0	130.3	-61.1		214.1	567.3	8.4	28.9	1.000048	
49000.0	127.1	-61.2		209.0	567.1	12.5	24.6	1.000047	
49500.0	124.1	-61.4		204.1	566.9	18.2	20.5	1.000045	
50000.0	121.1	-62.2		199.9	565.8	15.2	19.0	1.000044	
50500.0	118.1	-63.3		196.0	564.4	11.1	17.6	1.000044	
51000.0	115.2	-64.3		192.2	563.0	6.4	16.4	1.000043	
51500.0	112.4	-65.4		188.4	561.6	2.2	15.2	1.000042	
52000.0	109.7	-66.4		184.8	560.2	359.6	14.0	1.000041	
52500.0	107.0	-66.0		179.9	560.6	356.5	12.8	1.000040	
53000.0	104.3	-65.9		175.1	561.3	353.3	11.3	1.000039	
53500.0	101.6	-65.0		170.3	562.0	352.1	8.4	1.000038	
54000.0	99.0	-64.6		165.8	562.6	349.8	5.5	1.000037	
54500.0	96.8	-64.3		161.5	563.0	342.6	2.8	1.000036	
55000.0	94.5	-63.9		157.3	563.5	328.0	2.0	1.000035	
55500.0	92.1	-64.3		153.7	563.0	299.9	1.5	1.000034	
56000.0	89.9	-65.2		150.5	561.8	266.1	1.4	1.000034	
56500.0	87.7	-66.1		147.5	560.6	257.1	1.1	1.000033	
57000.0	85.5	-66.9		144.4	559.4	205.1	1.2	1.000032	
57500.0	83.4	-67.3		141.2	558.9	153.3	4.4	1.000031	
58000.0	81.3	-67.2		137.6	559.1	143.8	11.5	1.000031	
58500.0	79.3	-67.1		134.1	559.2	141.2	18.2	1.000030	
59000.0	77.3	-67.0		130.7	559.5	125.4	15.3	1.000029	
59500.0	75.4	-66.9		127.4	559.4	104.5	13.9	1.000028	
60000.0	73.6	-66.7		124.1	559.7	66.0	13.0	1.000028	
60500.0	71.7	-67.2		121.3	559.1	27.2	18.6	1.000027	
61000.0	70.0	-67.9		118.7	558.1	12.2	26.4	1.000026	
61500.0	68.2	-67.6		115.6	558.6	14.8	23.7	1.000026	
62000.0	66.6	-67.2		112.6	559.1	17.9	21.1	1.000025	
62500.0	64.9	-66.9		109.6	559.5	21.7	16.4	1.000024	
63000.0	63.3	-65.5		106.8	560.0	28.6	11.2	1.000024	

STATION ALTITUDE 9989.00 FEET MSL
 6 DEC. 79 1445 HRS MST
 ASCENSION NO. 507

UPPER AIR DATA
 3400020507
 WHITE SANDS

GEODETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 7 (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA			INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	REFRACTION	
63500.0	61.8	-66.2		104.0	560.5	34.0	8.3	1.000023	
64000.0	60.2	-65.8		101.2	560.9	23.7	9.2	1.000023	
64500.0	58.8	-65.5		99.6	561.4	15.5	10.4	1.000022	
65000.0	57.3	-65.2		96.0	561.8	11.5	9.5	1.000021	
65500.0	55.9	-64.8		93.5	562.3	6.9	8.7	1.000021	
66000.0	54.5	-64.5		91.0	562.8	1.6	7.4	1.000020	
66500.0	53.2	-64.1		88.7	563.2	34.3	5.8	1.000020	
67000.0	51.9	-63.8		85.3	563.7	341.6	4.3	1.000019	
67500.0	50.6	-63.5		84.1	564.1	318.1	3.4	1.000019	
68000.0	49.4	-63.4		82.0	564.2	287.6	3.4	1.000018	
68500.0	48.2	-63.6		80.1	564.0	258.7	4.2	1.000018	
69000.0	47.0	-63.7		78.2	563.8	236.4	6.0	1.000017	
69500.0	45.8	-63.9		76.3	563.6	225.1	8.2	1.000017	
70000.0	44.7	-64.0		74.5	563.3	215.8	8.1	1.000017	
70500.0	43.7	-63.7		72.6	563.9	204.1	7.5	1.000016	
71000.0	42.6	-63.0		70.6	564.7	193.2	7.4	1.000016	
71500.0	41.6	-62.4		68.7	565.6	180.9	8.4	1.000015	
72000.0	40.6	-61.7		66.9	566.4	169.0	9.4	1.000015	
72500.0	39.6	-61.1		65.1	567.3	158.0	11.9	1.000014	
73000.0	38.7	-60.5		63.3	568.2	205.7	15.1	1.000014	
73500.0	37.7	-59.8		61.6	569.0	210.4	17.4	1.000014	
74000.0	36.8	-59.2		60.0	569.9	214.1	17.3	1.000013	
74500.0	35.9	-58.5		58.3	570.7	217.7	17.4	1.000013	
75000.0	35.1	-57.9		56.8	571.6	227.1	13.5	1.000013	
75500.0	34.2	-57.3		55.3	572.3	245.4	9.7	1.000012	
76000.0	33.4	-57.0		53.9	572.8			1.000012	
76500.0	32.6	-56.6		52.5	573.2			1.000012	
77000.0	31.7	-56.3		51.2	573.7			1.000011	
77500.0	31.1	-55.9		49.9	574.2			1.000011	
78000.0	30.4	-55.6		48.7	574.6			1.000011	

STATION ALTITUDE 9989.00 FEET MSL
 6 DEC. 79 1445 HRS MST
 ASCENSION NO. 507

MANDATORY LEVELS
 34000, 29507
 WHITE SANLS

GEODETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 8

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	AIR TEMPERATURE DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL. HUM. PERCENT	WIND DATA		
					DIRECTION DEGREES(TN)	SPEED KNOTS	SPEED KNOTS
850.0	4768.	12.4	-10.5	19.	280.0	2.2	2.2
800.0	6420.	8.0	-12.2	22.	280.0	6.9	6.9
750.0	8152.	4.2	-14.3	24.	299.5	17.5	17.5
700.0	10003.	6.2	-14.5	21.	311.8	24.2	24.2
650.0	11924.	3.1	-16.8	22.	317.9	22.4	22.4
600.0	14007.	- .4	-19.5	22.	296.0	21.0	21.0
550.0	16362.	-4.3	-27.6	14.	286.8	22.5	22.5
500.0	18796.	-10.6	-31.5	16.	306.1	13.0	13.0
450.0	21422.	-17.2	-36.6	16.	342.9	13.3	13.3
400.0	24273.	-24.5	-42.4	17.	13.0	11.0	11.0
350.0	27415.	-33.1	-49.2	18.	30.5	15.1	15.1
300.0	30902.	-42.2			10.6	23.1	23.1
250.0	34848.	-53.7			10.3	33.5	33.5
200.0	39508.	-56.2			17.5	42.5	42.5
175.0	42297.	-56.7			21.8	42.1	42.1
150.0	45483.	-60.0			9.6	36.7	36.7
125.0	49208.	-61.3			16.0	21.9	21.9
100.0	53683.	-64.7			350.8	6.6	6.6
80.0	58134.	-67.1			142.2	15.7	15.7
70.0	60779.	-67.9			12.0	26.6	26.6
60.0	63815.	-65.8			23.1	9.3	9.3
50.0	67420.	-63.3			305.5	3.3	3.3
40.0	71901.	-61.4			192.2	10.4	10.4
30.0	77920.	-55.4					

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.