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ARMY ELECTRONICS RESEARCH AND DEVELOPMENT COMMAND WS--ETC F/6 4/2
19702A 6SR5, MISSILE NUMBERS BR-10, BR-8, ROUND NUMBERS B-50, B--ETC(U)
OCT 79

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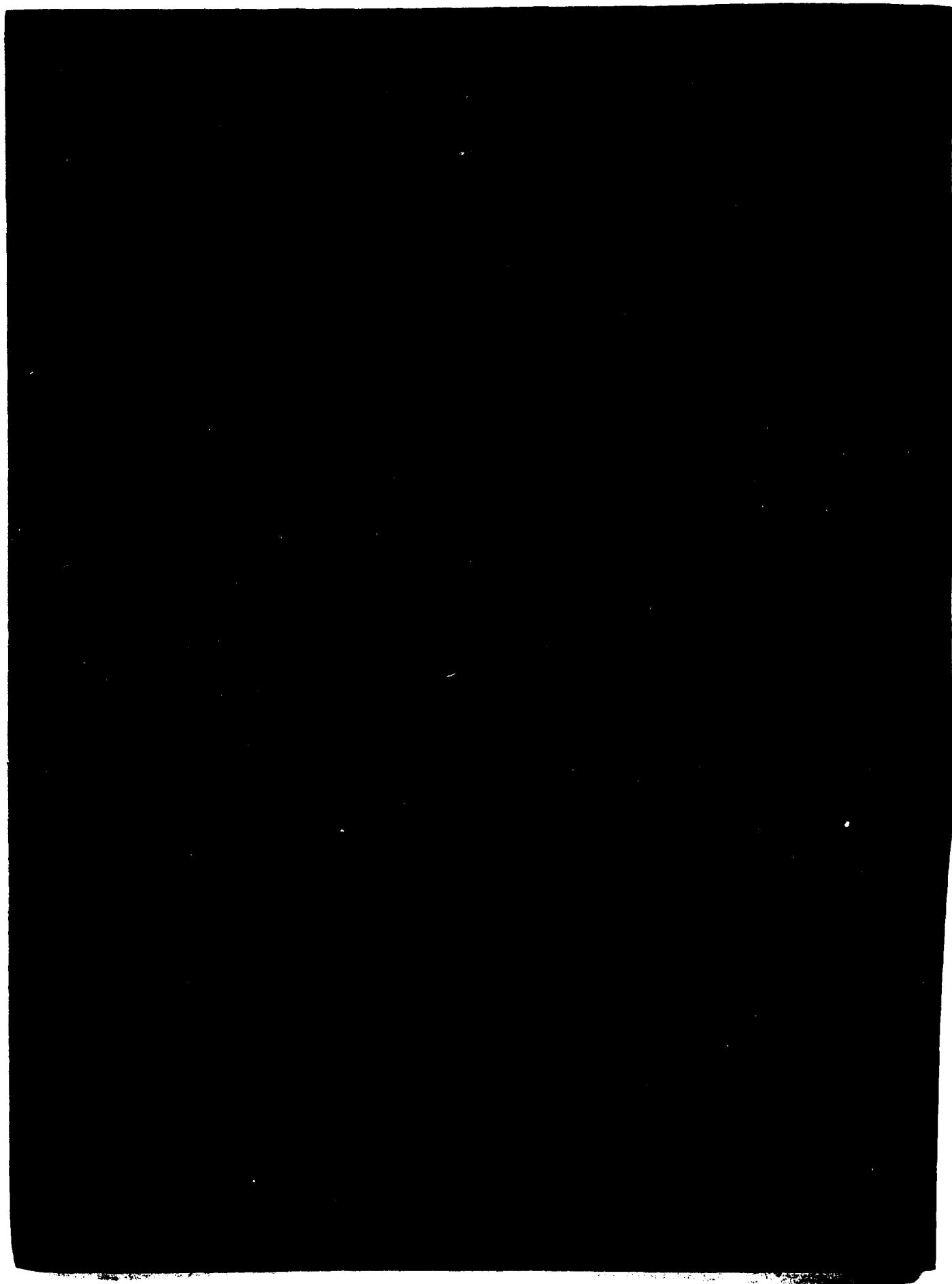
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Meteorological data gathered for the launching 19702A GSRS, Missile Numbers BR-10, BR-8, Round Numbers B-50, B-51 are presented in tabular form.		

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INTRODUCTION

19702A GSRS, Missile Numbers BR-10 and BR-8, Round Numbers B-50 and B-51, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1000 and 1000:03 MDT, 25 October 1979. The scheduled launch times were 1000 and 1000:04 MDT.

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 pilot observation at:

SITE AND ALTITUDE

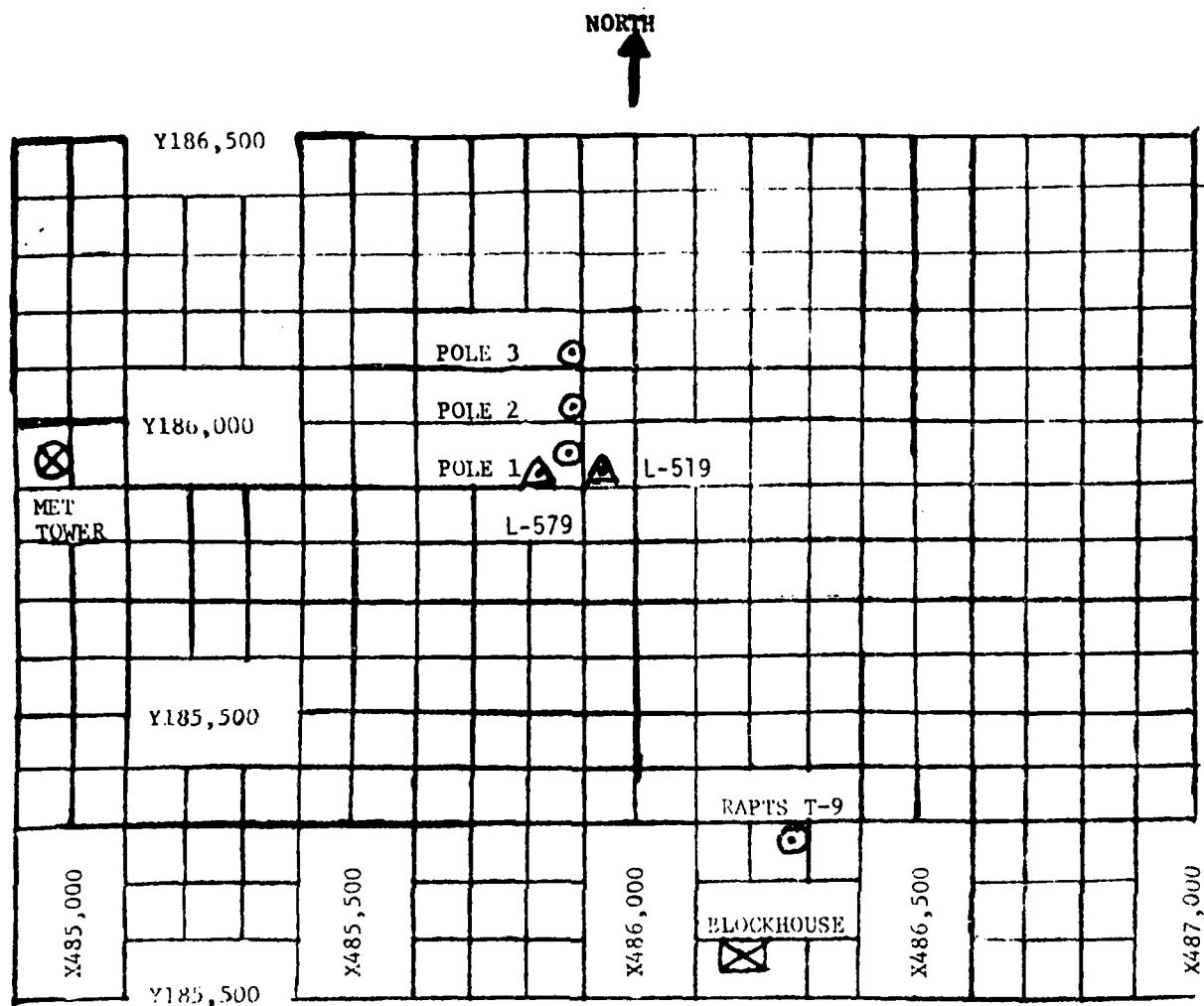
LC-33 2Km

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

SITE AND TIME

SMR 0900 MST

Accession For	
NTIC GRA&I	☒
D&C TAB	☐
Unannounced	☐
Justification	
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or special
A	73 C.F.



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.

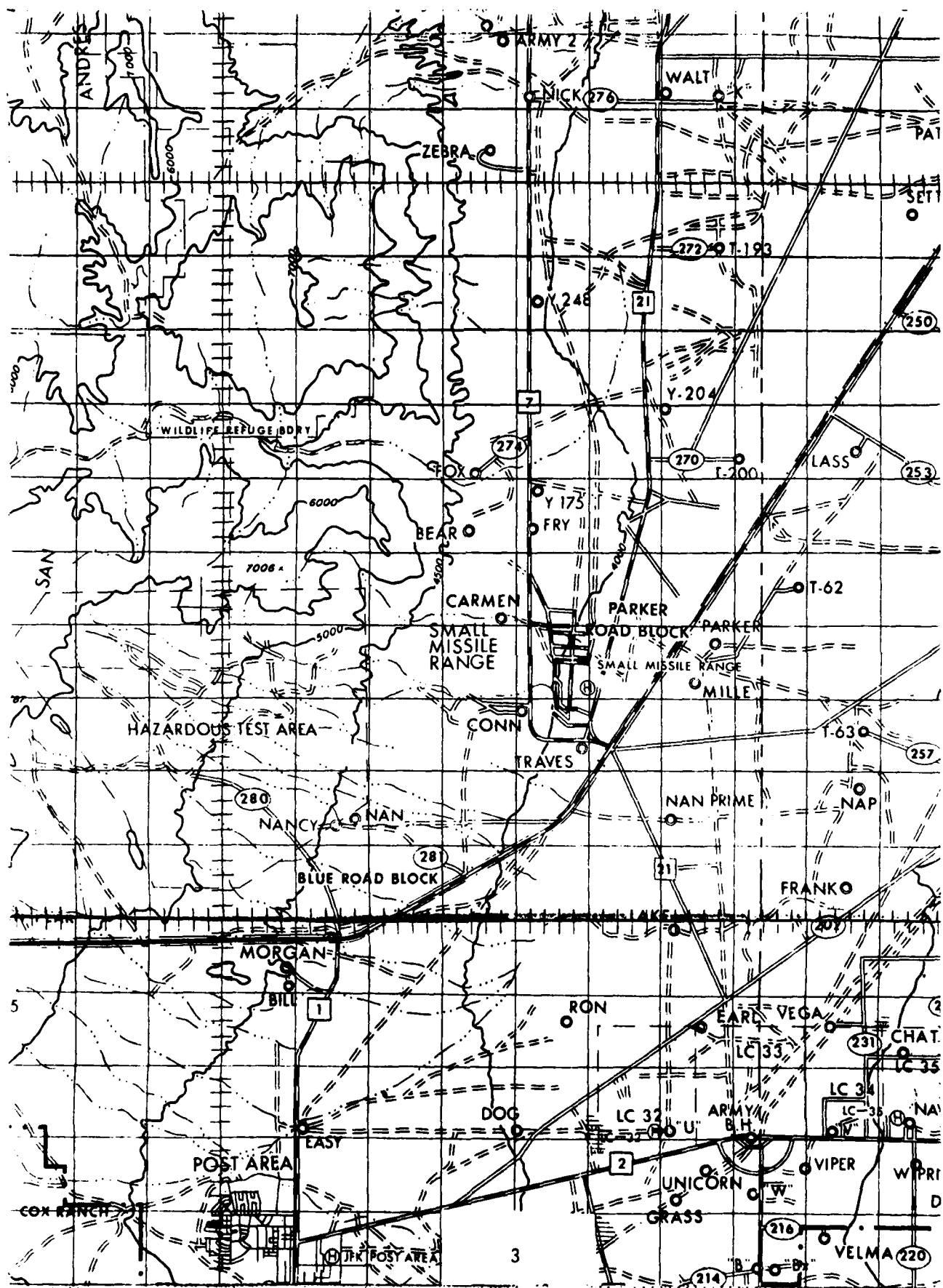


TABLE 1. Surface Observations taken at 1000 MDT,
25 October 1979, at LC-33, 19702A GSRS,
Missile Numbers BR-10, BR-8 Round
Numbers B-50, B-51.

ELEVATION	3977.30	FT/MSL
PRESSURE	882.0	MBS
TEMPERATURE	17.9	°C
RELATIVE HUMIDITY	40	
DEW POINT	4.1	°C
DENSITY	1049	GM/M ³
WIND SPEED	01	KTS
WIND DIRECTION	020	DEGREES
CLOUD COVER	CLEAR	

LC-33 FIXED POLE ANEMOMETER MEASURED WINDS

POLE #1			POLE #2			POLE #3		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	026	02	-30	345	02	-30	025	03
-20	027	03	-20	024	03	-20	023	03
-10	015	03	-10	023	03	-10	058	03
0.0	017	02	0.0	008	03	0.0	035	03
+10	028	02	+10	012	02	+10	045	03

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

TABLE 2

TYPE 19702A GSRS MISSILE NOS. BR-10, BR-8 ROUND NOS. B-50, B-51

LAUNCHED FROM LC-33 DATE 25 October 1979 TIME 1000 MDT

NOTE: WIND DIRECTIONS ARE REFERENCED TO TRUE NORTH

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

LEVEL #1 12 Feet			LEVEL #2 62 Feet		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	018	01	-30	028	03
-20	018	02	-20	028	03
-10	018	01	-10	028	02
0.0	024	01	0.0	028	02
+10	024	01	+10	033	01
LEVEL #3 102 Feet			LEVEL #4 202 Feet		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	004	03	-30	009	03
-20	012	02	-20	015	03
-10	012	01	-10	038	03
0.0	022	01	0.0	039	03
+10	024	01	+10	042	03

WTSM COORDINATES: X484,982.64 Y185,057.73 H3983.00 (base)

TABLE 3

TYPE 19702A GSRS MISSILE NO S. BR-10, BR-8 ROUND NO S. B-50, B-51

LAUNCHED FROM LC-33 DATE 25 October 1979 TIME 1000 MDT

NOTE: WIND DIRECTIONS ARE REFERENCED TO TRUE NORTH.

GSRS PILOT BALLOON MEASURED WIND DATA

TABLE 4

RELEASED FROM LC-33 DATE 25 October 1979 TIME 0950 MDT
 TRACKER COORDINATES (WSTM) X= 486,037.24 Y= 182,350.16 H= 3977.30
 MISSILE TYPE 19702A GSRS MISSILE NO.S. BR-10, BR-8 ROUND NO.S. B-50, B-51
 MISSILE LAUNCHED FROM LC-33 DATE 25 October 1979 TIME 1000 MDT

NOTE: WIND DIRECTIONS ARE REFERENCED TO TRUE NORTH.

HEIGHT - METERS AGL

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS	HEIGHT AGL	DIRECTION DEGREES	SPEED KTS	HEIGHT AGL	DIRECTION DEGREES	SPEED KTS
SFC		CALM						
90	104	04						
150	006	08						
210	014	12						
270	355	07						
330	008	11						
390	006	07						
500	MISG	MISG						
650	MISG	MISG						
800	125	05						
950	132	04						
1150	272	06						
1350	264	09						
1550	250	04						
1750	232	04						
2000	184	09						

GSRS PILOT BALLOON MEASURED WIND DATA

TABLE 5

RELEASED FROM LC-33 DATE 25 October 1979 TIME 1000 MDT

TRACKER COORDINATES (WSTM) X= 486,037.24 Y= 182,350.16 H= 3977.30

MISSILE TYPE 19702A GSRS MISSILE NOS. BR-10, BR-8 ROUND NOS. B-50, B-51

MISSILE LAUNCHED FROM LC-33 DATE 25 October 1979 TIME 1000 MDT

NOTE: WIND DIRECTIONS ARE REFERENCED TO TRUE NORTH.

HEIGHT - METERS AGL

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS
SFC		CALM
90	050	04
150	004	08
210	005	10
270	009	08
330	008	10
390	014	06
500	006	01
650	322	02
800	140	02
950	130	04
1150	260	03
1350	272	10
1550	260	05
1750	222	03
2000	183	08

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS

GEODETIC COORDINATES
32.48034 LAT DEG
106.42307 LON DEG

SIGNIFICANT LEVEL DATA
2980060363
S M R

STATION ALTITUDE 3997.30 FEET MSL
25 OCT. 79 0900 HRS MST
ASCENSION NO. 363

TABLE 6

PRESSURE GEOMETRIC ALTITUDE MILLIBARS MSL FEET	TEMPERATURE		REL. HUM. PERCENT
	AIR DEGREES	DEWPOINT CENTIGRADE	
881.5	15.4	1.2	38.0
868.0	13.3	-.7	38.0
857.8	16.4	.9	35.0
850.0	16.0	-.7	32.0
818.0	17.9	-1.3	27.0
700.0	11.1	-9.8	22.0
576.8	-.2	-17.8	25.0
500.0	-9.3	-20.4	40.0
486.8	-11.0	-20.1	47.0
456.0	-14.7	-27.3	33.0
400.0	-21.5	-38.4	20.0
369.6	-25.5	-41.8	20.0
300.0	-37.3	-50.0	25.0
292.0	-38.6		
263.2	-40.0		
250.0	-42.2		
225.0	-47.1		
214.8	-48.1		
200.0	-50.5		
159.4	-60.2		
150.0	-62.0		
109.8	-71.5		
100.0	-72.2		
84.4	-75.5		
70.0	-69.9		
62.2	-68.5		
59.8	-66.0		
50.0	-61.8		
44.4	-59.0		
37.2	-61.3		
33.5	-55.9		
30.0	-56.8		

STATION ALTITUDE 3997.30 FEET MSL
25 OCT. 79 0900 HRS MST
ASCENSION NO. 363

UPPER AIR DATA
2980000363
S M R

GEODETIC COORDINATES
32.46034 LAT DEG
106.42307 LONG DEG

TABLE 7

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES DEWPOINT CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3997.3	881.5	15.4	38.0	1061.2	662.7	.0	.0	1.000267
4000.0	881.4	15.4	38.0	1061.1	662.7	300.1	.0	1.000267
4500.0	865.7	14.0	37.3	1047.5	661.0	300.1	.8	1.000261
5000.0	850.3	16.0	32.1	1021.7	663.3	300.1	1.6	1.000254
5500.0	835.2	16.9	29.7	1000.6	664.3	300.1	2.5	1.000249
6000.0	820.4	17.8	27.4	979.9	665.3	300.1	3.3	1.000243
6500.0	805.8	17.2	26.5	964.3	664.7	268.5	3.6	1.000238
7000.0	791.4	16.5	25.9	949.7	663.7	246.5	4.7	1.000234
7500.0	777.2	15.7	25.4	935.4	662.8	243.2	5.1	1.000229
8000.0	763.3	14.9	24.8	921.3	661.9	240.8	5.3	1.000224
8500.0	749.7	14.1	24.2	907.5	660.9	240.1	4.8	1.000220
9000.0	736.3	13.3	23.6	893.8	660.0	227.3	4.6	1.000216
9500.0	723.2	12.5	23.0	880.3	659.0	205.1	5.6	1.000212
10000.0	710.2	11.7	22.5	867.1	658.1	189.1	7.0	1.000208
10500.0	697.5	10.9	22.1	854.1	657.1	177.9	8.6	1.000204
11000.0	684.6	9.8	22.3	841.6	655.8	174.7	9.6	1.000200
11500.0	672.0	8.7	22.6	829.3	654.5	173.4	10.3	1.000197
12000.0	659.6	7.6	22.9	817.2	653.2	179.3	9.5	1.000194
12500.0	647.4	6.5	23.2	805.3	652.0	167.8	8.6	1.000190
13000.0	635.5	5.5	23.5	793.6	650.7	200.6	5.5	1.000187
13500.0	623.7	4.4	23.8	782.0	649.4	236.3	3.0	1.000184
14000.0	612.2	3.3	24.1	770.7	648.1	308.2	2.7	1.000181
14500.0	600.9	2.2	24.4	759.5	646.8	340.9	5.1	1.000178
15000.0	589.9	1.1	24.7	748.5	645.5	347.0	7.1	1.000175
15500.0	579.0	.0	24.9	737.6	644.2	350.4	9.1	1.000172
16000.0	568.0	-1.2	26.6	726.8	642.8	347.5	10.7	1.000170
16500.0	557.1	-2.4	28.6	716.1	641.3	344.5	12.0	1.000167
17000.0	546.4	-3.6	30.7	705.6	639.9	335.0	11.6	1.000165
17500.0	536.0	-4.9	32.7	695.3	638.4	326.2	11.2	1.000162
18000.0	525.7	-6.1	34.7	685.2	636.9	314.5	10.6	1.000160
18500.0	515.7	-7.3	36.8	675.2	635.5	303.0	10.7	1.000157
19000.0	505.8	-8.6	38.8	665.3	634.0	294.7	11.5	1.000155
19500.0	496.0	-9.8	42.1	655.6	632.5	287.0	12.8	1.000153
20000.0	486.4	-11.1	46.8	645.8	631.0	279.4	14.6	1.000151
20500.0	476.8	-12.2	42.5	635.9	629.6	276.3	16.4	1.000147
21000.0	467.4	-13.3	38.3	626.1	628.2	277.9	17.7	1.000144
21500.0	458.1	-14.4	34.0	616.5	626.8	279.4	19.3	1.000141
22000.0	449.0	-15.5	31.5	606.8	625.5	280.9	21.0	1.000138
22500.0	439.9	-16.6	29.4	597.0	624.2	279.7	23.0	1.000136
23000.0	431.1	-17.6	27.4	587.4	622.9	276.6	25.1	1.000133

STATION ALTITUDE 3997.30 FEET MSL
25 OCT. 79 0900 HRS MST
ASCENSION I.O. 363

UPPER AIR DATA
2980060363
S M R

GEODETIC COORDINATES
32.48034 LAT DEG
106.42307 LONG DEG

TABLE 7 (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES (TN)	SPEED KNOTS	INDEX OF REFRACTION
23500.0	422.4	-18.7	25.4	578.0	621.6	274.5	26.1	1.000131
24000.0	413.9	-19.7	23.4	568.8	620.3	273.2	25.4	1.000128
24500.0	405.5	-20.8	21.4	559.7	619.0	273.9	24.7	1.000126
25000.0	397.3	-21.8	20.0	550.7	617.7	277.3	23.9	1.000124
25500.0	389.2	-22.9	20.0	541.6	616.4	280.5	24.7	1.000122
26000.0	381.2	-23.9	20.0	532.7	615.1	283.1	26.7	1.000120
26500.0	373.3	-25.0	20.0	524.0	613.8	283.3	28.7	1.000118
27000.0	365.5	-26.1	20.3	515.4	612.3	282.4	30.6	1.000116
27500.0	357.8	-27.3	20.8	507.0	610.8	281.3	32.6	1.000114
28000.0	350.2	-28.6	21.3	498.7	609.3	280.3	34.8	1.000112
28500.0	342.7	-29.8	21.8	490.5	607.8	278.7	37.1	1.000110
29000.0	335.5	-31.0	22.3	482.5	606.3	277.1	39.5	1.000108
29500.0	328.3	-32.2	22.8	474.7	604.8	275.3	42.5	1.000106
30000.0	321.4	-33.4	23.4	466.9	603.2	273.7	45.9	1.000105
30500.0	314.6	-34.6	23.9	459.4	601.7	272.9	47.1	1.000103
31000.0	307.9	-35.8	24.4	451.9	600.2	272.4	47.3	1.000101
31500.0	301.3	-37.0	24.9	444.6	598.6	272.9	44.6	1.000099
32000.0	294.8	-38.1	8.9**	437.0	597.2	274.0	40.3	1.000097
32500.0	288.4	-38.8		428.6	596.4	275.4	34.5	1.000095
33000.0	282.0	-39.1		419.7	596.0	277.7	27.9	1.000093
33500.0	275.9	-39.4		411.1	595.7	280.2	21.1	1.000092
34000.0	269.8	-39.7		402.6	595.3	284.3	14.3	1.000090
34500.0	263.9	-40.0		394.2	594.9	290.8	9.9	1.000088
35000.0	258.1	-40.8		387.0	593.8	299.1	7.5	1.000086
35500.0	252.4	-41.8		380.0	592.6	307.1	6.5	1.000085
36000.0	246.7	-42.8		373.2	591.3	309.8	6.9	1.000083
36500.0	241.2	-43.9		366.5	589.9	308.0	8.0	1.000082
37000.0	235.8	-44.9		359.9	588.5	303.5	10.0	1.000080
37500.0	230.5	-46.0		353.5	587.2	302.5	12.0	1.000079
38000.0	225.4	-47.0		347.2	585.8	303.6	13.9	1.000077
38500.0	220.2	-47.6		340.1	585.1	305.0	14.9	1.000076
39000.0	215.2	-48.1		333.1	584.5	307.0	15.1	1.000074
39500.0	210.3	-48.8		326.6	583.5	307.1	15.3	1.000073
40000.0	205.5	-49.6		320.2	582.5	305.4	15.6	1.000071
40500.0	200.8	-50.4		314.0	581.5	305.1	15.8	1.000070
41000.0	196.1	-51.3		308.0	580.2	306.5	15.8	1.000069
41500.0	191.5	-52.4		302.1	578.9	307.4	15.8	1.000067
42000.0	187.0	-53.4		296.4	577.5	307.7	16.1	1.000066
42500.0	182.6	-54.4		290.8	576.2	307.9	16.5	1.000065
43000.0	178.3	-55.4		285.3	574.9	307.9	17.3	1.000064

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

STATION ALTITUDE 3997.30 FEET MSL
25 OCT. 79 0900 HRS MST
ASCENSION NO. 363

UPPER AIR DATA
2980060363
S M R

GEODETIC COORDINATES
32.48034 LAT UEG
106.42307 LON UEG

TABLE 7 (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES (TN)	SPEED KNOTS	INDEX OF REFRACTION
43500.0	174.1	-56.4		279.9	573.5	307.9	18.3	1.000062
44000.0	170.0	-57.4		274.6	572.2	308.1	19.8	1.000061
44500.0	166.0	-58.5		269.4	570.8	308.3	21.4	1.000060
45000.0	162.1	-59.5		264.3	569.5	309.6	23.3	1.000059
45500.0	158.3	-60.4		259.2	568.2	310.8	25.3	1.000058
46000.0	154.5	-61.1		253.8	567.3	314.1	26.5	1.000057
46500.0	150.8	-61.9		248.5	566.3	317.5	27.7	1.000055
47000.0	147.0	-62.6		243.3	565.3	318.5	28.4	1.000054
47500.0	143.4	-63.4		238.1	564.3	318.5	28.8	1.000053
48000.0	139.8	-64.1		233.1	563.2	317.6	28.4	1.000052
48500.0	136.4	-64.9		228.1	562.2	315.9	27.4	1.000051
49000.0	133.0	-65.7		223.3	561.2	314.7	26.5	1.000050
49500.0	129.7	-66.4		218.6	560.1	314.3	25.8	1.000049
50000.0	126.5	-67.2		214.0	559.1	313.9	25.2	1.000048
50500.0	123.4	-68.0		209.4	558.1	313.4	25.0	1.000047
51000.0	120.3	-68.7		205.0	557.0	312.9	24.8	1.000046
51500.0	117.3	-69.5		200.7	556.0	313.1	24.3	1.000045
52000.0	114.4	-70.2		196.5	554.9	313.5	23.8	1.000044
52500.0	111.6	-71.0		192.3	553.9	315.6	23.4	1.000043
53000.0	108.8	-71.6		188.0	553.1	319.2	23.0	1.000042
53500.0	106.0	-71.8		183.4	552.9	323.3	22.5	1.000041
54000.0	103.4	-72.0		179.0	552.6	328.8	21.5	1.000040
54500.0	100.7	-72.1		174.6	552.3	334.6	20.7	1.000039
55000.0	98.2	-72.6		170.5	551.8	336.7	20.5	1.000038
55500.0	95.6	-73.1		166.5	551.1	338.6	20.4	1.000037
56000.0	93.2	-73.6		162.7	550.4	337.3	20.7	1.000036
56500.0	90.8	-74.1		158.9	549.7	334.7	21.2	1.000035
57000.0	88.5	-74.6		155.2	549.0	333.5	21.1	1.000035
57500.0	86.2	-75.1		151.6	548.3	333.8	20.2	1.000034
58000.0	84.0	-75.4		148.0	547.9	334.2	19.2	1.000033
58500.0	81.9	-74.6		143.6	549.0	337.3	18.1	1.000032
59000.0	79.8	-73.8		139.4	550.0	340.6	17.0	1.000031
59500.0	77.7	-73.0		135.4	551.1	344.1	16.0	1.000030
60000.0	75.8	-72.3		131.4	552.2	346.5	15.2	1.000029
60500.0	73.8	-71.5		127.6	553.2	349.2	14.4	1.000028
61000.0	72.0	-70.7		123.8	554.3	352.2	13.3	1.000028
61500.0	70.1	-70.0		120.2	555.3	355.8	12.3	1.000027
62000.0	68.4	-69.6		117.0	555.8	358.6	11.5	1.000026
62500.0	66.7	-69.3		113.9	556.2	358.5	11.5	1.000025
63000.0	65.0	-69.0		110.9	556.6	358.4	11.5	1.000025

STATION ALTITUDE 3997.30 FEET MSL
25 OCT. 79 0900 HRS MST
ASCENSION NO. 363

UPPER AIR DATA
2980060363
S M R

GEODETIC COORDINATES
32.48034 LAT DEG
106.42307 LON DEG

TABLE 7 (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	
63500.0	63.4	-68.7		108.0	557.0	2.4	13.2	1.000024
64000.0	61.8	-68.1		104.9	557.9	6.3	15.5	1.000023
64500.0	60.3	-66.5		101.6	560.1	9.8	17.6	1.000023
65000.0	58.8	-65.6		98.6	561.3	15.0	18.7	1.000022
65500.0	57.3	-65.0		96.0	562.0	19.6	20.0	1.000021
66000.0	55.9	-64.4		93.4	562.8	26.1	19.9	1.000021
66500.0	54.6	-63.9		90.8	563.6	34.7	19.3	1.000020
67000.0	53.2	-63.3		83.4	564.4	43.6	19.1	1.000020
67500.0	51.9	-62.7		86.0	565.2	48.7	17.4	1.000019
68000.0	50.7	-62.1		83.7	565.9	54.7	15.8	1.000019
68500.0	49.5	-61.5		81.4	566.7	60.4	13.3	1.000018
69000.0	48.3	-61.0		79.2	567.5	65.9	8.6	1.000018
69500.0	47.1	-60.4		77.1	568.2	84.0	4.1	1.000017
70000.0	46.0	-59.8		75.1	569.0	99.7	3.6	1.000017
70500.0	44.9	-59.3		73.1	569.8	94.2	5.2	1.000016
71000.0	43.8	-59.2		71.3	569.9	91.3	6.7	1.000016
71500.0	42.8	-59.5		69.7	569.4	62.8	8.0	1.000016
72000.0	41.7	-59.8		68.1	569.0	74.7	9.4	1.000015
72500.0	40.7	-60.1		66.6	568.6	68.7	10.9	1.000015
73000.0	39.8	-60.4		65.1	568.2	63.7	7.8	1.000014
73500.0	38.8	-60.8		63.6	567.8	49.3	3.9	1.000014
74000.0	37.9	-61.1		62.2	567.3	328.9	2.0	1.000014
74500.0	37.0	-61.0		60.7	567.5	324.3	3.6	1.000014
75000.0	36.1	-59.7		58.9	569.1	323.7	5.3	1.000013
75500.0	35.2	-58.5		57.2	570.8	324.4	6.9	1.000013
76000.0	34.4	-57.3		55.5	572.4	336.2	7.8	1.000012
76500.0	33.6	-56.0		53.9	574.1	345.2	9.0	1.000012
77000.0	32.8	-56.1		52.6	574.0			1.000012
77500.0	32.0	-56.3		51.4	573.7			1.000011
78000.0	31.3	-56.5		50.3	573.5			1.000011
78500.0	30.5	-56.7		49.1	573.2			1.000011

STATION ALTITUDE 3997.30 FEET MSL
25 OCT. 79
ASCENSION NO. 363

MANDATORY LEVELS
2980060363
S M R

GEODETIC COORDINATES
32.48034 LAT DEG
106.42307 LON DEG

TABLE 8

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUM. PERCENT	WIND DATA	
MILLIBARS	FEET	AIR DEGREES	DEWPOINT CENTIGRADE		DIRECTION DEGREES(TN)	SPEED KNOTS
850.0	5005.	16.0	-7	32.	300.1	1.7
800.0	6700.	16.9	-2.5	26.	257.6	4.0
750.0	8495.	14.1	-6.0	24.	240.1	4.8
700.0	10393.	11.1	-9.8	22.	179.8	8.2
650.0	12404.	6.8	-12.8	23.	186.2	8.8
600.0	14542.	2.1	-16.1	24.	341.8	5.3
550.0	16824.	-3.2	-18.3	30.	338.6	11.7
500.0	19271.	-9.3	-20.4	40.	290.4	12.2
450.0	21913.	-15.4	-28.4	32.	280.7	20.8
400.0	24797.	-21.5	-38.4	20.	276.1	24.2
350.0	27982.	-28.6	-43.8	21.	280.2	34.9
300.0	31541.	-37.3	-50.0	25.	273.1	43.8
250.0	35633.	-42.2			308.2	6.6
200.0	40480.	-50.5			305.3	15.8
175.0	43308.	-56.2			307.9	17.9
150.0	46476.	-62.0			318.0	27.9
125.0	50126.	-67.6			313.6	25.1
100.0	54472.	-72.2			335.1	20.7
80.0	58742.	-73.9			340.1	17.2
70.0	61324.	-69.9			355.8	12.2
60.0	64352.	-66.2			10.4	17.7
50.0	68017.	-61.8			58.0	15.1
40.0	72587.	-60.4			65.7	9.0
30.0	78526.	-56.8				