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JANGLE

NEVADA PROVING GROUNDS
OCTOBER - NOVEMBER 1951

Classification (~~Secret~~) (Changed to **UNCLASSIFIED**)
By Authority of Memo. C. Sec. Dir. 8 Oct. 57
By Paul M. Thomas Date 10 Feb 57
Project 1(8)b

AIR WEATHER SERVICE PARTICIPATION
IN OPERATION JANGLE

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1954



ARMED FORCES SPECIAL WEAPONS PROJECT
WASHINGTON, D.C.

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OPERATION JANGLE

PROJECT 1(8)b

AIR WEATHER SERVICE PARTICIPATION IN OPERATION JANGLE

BY

LT COL EUGENE H. KARSTENS

31 DECEMBER 1951

*Mark D. Felt
for chaf, FSCM*

AIR WEATHER SERVICE

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AIR WEATHER SERVICE PARTICIPATION IN OPERATION JANGLE

1.1 HISTORY

The weather service support for Operation JANGLE was direct continuation of the support offered for Operation BUSTER, and reference can be made to report rendered on Air Weather Service Participation in Operation BUSTER for operational organization and methods used for both tests.

1.2 INSTRUMENTATION

In addition to the special instrumentation used on the previous operation, the Special Weather Equipment Section installed a remote reading indicator at Ground Zero for shots "S" and "U" such that wind speed and direction at a point 20 feet above each Ground Zero, could be read on a panel in the Control Point Building. This equipment proved invaluable for indicating the time of change in wind direction for each shot.

1.3 OPERATIONS

The weather station at the Control Point Building was continued in force, and the network of outlying stations remained in position as follows: 2 rawinsonde stations at Tonopah and the Control Point and pibal stations at Beatty, Warm Springs, Carrant, Pioche, Caliente, St. George and Crystal Springs. These sections maintained a normal schedule of operations throughout the entire period, with a slight step-up in frequency of operation during the period 6 hours before shot to 6 hours after shot time. The Upper Air Section at the Control Point operated on a much tighter schedule in order to establish verification of forecasted conditions, and in addition a pibal section was maintained at each shot point in order to take a series of wind observations during the 8 hour period prior to shot time to 2 hours prior to shot time.

Since the requirements for the fall-out pattern on "S" and "U" were strict, it was necessary that the entire surface and upper air patterns for the test area be well established prior to shot time. This was accomplished by receiving continuous observations from all stations and also by moving the pibal section from Crystal Springs to Groom Mine to take observations 12 hours before each shot, to record wind flow through the pass.

The Forecasting Section, under the direction of Dr. George P. Cressman, was faced with the deteriorating weather conditions of late fall and early winter, requiring the closest consideration of all meteorological factors of analysis in order to offer advice to the detailed planning which had to commence as early as 24 hours before each shot time.

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The people of the 2060th Mobile Weather Squadron, who manned the outlying network, operated under very adverse conditions of ice and snow in order to provide the Control Point Weather Station with the detailed information necessary for analysis of weather and Rad-Safe problems.

The most troublesome climatological phenomena to forecast for each shot proved to be the wind shift from North to South, encountered during the morning hours, and due to the heating effect of the morning sun. This effected only the lowest 3,000 feet of the atmosphere, but proved to be the most important when considered in the problems of containing the fall-out within a specified area. Winds above this level proved to be a straight forward forecast problem.

1.4 RESULTS

This operation, as well as the previous operation, showed the vital need for the most complete climatological study available. Since no previous data has been gathered for the test area, it is strongly recommended that a small, compact permanent party of weather personnel be stationed at the site, on a year around basis, for the purpose of measuring the climatological changes and recording them, as well as develop the type of special instruments needed to efficiently perform the mission.

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

18 November 1951

Forecast Number: J-13

To: Lt Col Karstens (for briefing)

By: Cressman, Fawcett and Wise

Forecast given at: 1945P 18 November 1951

Valid Time: 0900P 19 November 1951

7/8 cirrus, bases 30,000 feet MSL, tops 35,000 feet MSL. 4/8 middle clouds, bases 16,000 feet MSL, tops 18,000 feet MSL. Light precipitation will fall during the day in Northern Nevada, Utah and Southern Idaho from elevations above 15,000 feet MSL.

WINDS (feet above MSL, degrees from true North and speed in knots)

Surface	180°	05 K	16,000	200°	38 K
6000	180	08	18,000	210	43
8000	190	15	20,000	210	45
10000	190	20	25,000	220	47
12000	200	25	30,000	220	48
14000	200	35	35,000	230	50

Surface winds will increase to 180 degrees, 10 knots speed by 1200P.

OUTLOOK FOR 0900 P, 20 November 1951:

Broken middle clouds, bases 16,000 feet MSL, tops 19,000 feet MSL
Broken cirrus, base 30,000 feet MSL, tops 35,000 feet MSL. Precipitation will be falling in Northwest Utah and Northern Nevada.

WINDS (feet above MSL, degrees from true North and speed in knots)

Surface	180°	10 K	16,000	200°	37 K
6,000	190	14	18,000	210	41
8,000	190	20	20,000	210	45
10,000	200	25	25,000	210	47
12,000	200	28	30,000	220	50
14,000	200	33	35,000	220	55

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

28 November 1951

Forecast Number: J-22

To: Lt Col Karstens (for briefing)

By: Cressman, Fawcett and Wise

Forecast given at: 1930P 28 November 1951

Valid Time: 1200P 29 November 1951

4/8 cirrus, bases 30,000 feet MSL, tops 32,000 feet MSL. No precipitation downwind from "U" site for 300 miles.

WINDS (feet above MSL, degrees from true North and speed in knots)

Surface	200°	03 K	16,000	250°	35 K
6,000	200	06	18,000	250	42
8,000	230	14	20,000	250	47
10,000	250	20	25,000	250	54
12,000	250	24	30,000	250	60
14,000	250	29			

WINDS AT 0900P 29 NOVEMBER 1951 WILL BE:

Surface	030°	04 K
6,000	Calm	Calm
8,000	180	10

OUTLOOK FOR 1100P 30 November 1951

Broken high clouds, base 25,000 feet MSL.

WINDS (feet above MSL, degrees from true North and speed in knots)

Surface	200°	08 K
10,000	250	25
20,000	250	45
30,000	250	50

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "SUGAR" 0900 PST,
19 NOVEMBER 1951

CLOUD COVER: 1/8 Altocumulus at 10,000 MSL
4/8 Altocumulus at 16,000 MSL
7/8 Cirro-stratus at 31,000 MSL

PRECIPITATION: Precipitation during day in central and northern
Nevada, Utah and southern Idaho.

PRESSURE: 871.5 mb

HEIGHT GROUND ZERO: 4,213.0 feet MSL

VIRTUAL TEMPERATURE: 1.3° C

ACTUAL TEMPERATURE: 1.0° C

DEW POINT TEMPERATURE: -9.5° C

RELATIVE HUMIDITY: 47%

ALTIMETER SETTING: 30.07 inches

WINDS: (feet above MSL, degrees from true North and speed in knots)

Surface	190°	02 K	16,000	210°	44 K
6,000	170	13	18,000	200	63
8,000	180	26	20,000	200	54
10,000	200	32	25,000	210	62
12,000	200	37	30,000	210	70
14,000	210	40	35,000	210	78

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "UNCLE" 1200 PST,
29 NOVEMBER 1951

CLOUD COVER: 1/8 cirrus at 29,000 feet MSL

PRECIPITATION: No precipitation downwind for 300 miles

HEIGHT GROUND ZERO: 4,299.0 feet MSL

PRESSURE: 872.0 mb

VIRTUAL TEMPERATURE: 15.3° C

ACTUAL TEMPERATURE: 14.5° C / 58.0° F

RELATIVE HUMIDITY: 35%

ALTIMETER SETTING: 30.14 inches

WINDS: (feet above MSL, degrees from true North and speed in knots)

Surface	180°	02 K	16,000	250°	30K
6,000	190	05	18,000	250	30
8,000	210	15	20,000	250	30
10,000	230	21	25,000	250	36
12,000	240	24	30,000	250	38
14,000	250	25			

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

THEODOLITE CLOUD RUN - OPERATION JANGLE - SUGAR SHOT - 0900 PST
19 NOVEMBER 1951

Distance from target to the Control Point: 14.25 miles

Target elevation: 4,213.0 feet above MSL

<u>ELAPSED TIME</u>	<u>ELEVATION ANGLE</u>	<u>HORIZONTAL ANGLE</u>	<u>AREA OF CLOUD</u>
01 min	04.4	001.5	Top High
02	05.8	003.0	Top High
03	06.4	004.0	Top High
04	06.8	004.8	Top High
05	06.8	005.8	Top High
06	06.0	007.5	Top High
07	03.5	008.2	Top Medium
08	03.8	003.6	Top Low
09	03.2	009.3	Top High
10	05.0	010.1	Top High
11	04.2	012.6	Right High
12	03.3	006.5	Top Medium
13	04.4	012.2	Top High
14	01.7	001.2	Top Low
15	04.0	012.7	Top High
16	03.2	016.7	Right High
17	02.7	010.0	Top Medium
18	03.8	014.5	Top High
19	01.8	357.4	Top Low
20	03.5	014.2	Top High
21	02.2	014.4	Bottom High
22	02.7	018.2	Right High
23	03.0	013.6	Left High

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

THEODOLITE CLOUD RUN - OPERATION JANGLE - UNCLE SHOT - 1200 PST
29 NOVEMBER 1951

Distance from target to the Control Point: 15.5 miles

Target elevation: 4,298.5 feet above MSL

<u>ELAPSED TIME</u>	<u>ELEVATION ANGLE</u>	<u>HORIZONTAL ANGLE</u>	<u>AREA OF CLOUD</u>
01 min	2.5	001.7	Top High
02	3.0	000.6	Top High
03	3.7	001.1	Top High
04	3.8	002.2	Top High
05	3.7	003.1	Top High
06	2.5	004.5	Right High
07	3.7	004.6	Top High
09	2.1	000.9	Top Medium
10	3.9	008.7	Top High
11	3.2	010.5	Right High
12	2.3	003.6	Top Medium
13	4.0	011.2	Top High
14	2.0	011.2	Top High
15	3.6	011.8	Top High
16	3.1	015.3	Right Medium
17	2.2	003.9	Top Medium
18	1.7	000.1	Left Medium
19	1.7	009.5	Right Medium
20	3.3	014.1	Top High
21	1.8	014.1	Bottom High
22	3.2	018.9	Right High
23	2.5	011.3	Left High

DATE SUNET
 OPERATION JANGLE
 SURFACE OBSERVATIONS-CONTROL POINT
 18 NOVEMBER 1951

TIME	CLOUDS	SKY	VISI- BILITY	TEMP- ERATURE	DEW POINT	RELATIVE HUMIDITY	RES- SURE	WIND DIR- ECTION	WIND SPEED	PRECIPITATION
			40 miles	29° F	14° F	53%	26.040	N	6 knots	none
0300	Clear	.	40	27	15	60	26.035	N	5	.
0130	.	.	40	27	12	54	26.035	N	5	.
0230	.	.	40	25	4	41	26.020	N	6	.
0330	.	.	40	27	2	33	26.012	N	3	.
0430	.	.	40	26	0	32	26.005	NNE	6	.
0530	.	.	40	23	7	50	26.005	NE	7	.
0630	.	.	40	26	10	50	26.005	NNE	4	.
0730	.	.	40	32	7	34	26.005	NNE	4	.
0830	.	.	40	35	9	34	26.005	NNE	4	.
0930	.	.	40	50	12	22	25.990	ESE	3	.
1030	.	.	40	53	21	28	25.960	NNW	2	.
1100	.	.	40	56	10	16	25.950	ESE	3	.
1130	.	.	40	56	16	21	25.940	S	5	.
1200	.	.	40	56	19	24	25.920	S	3	.
1230	.	.	40	54	15	21	25.910	SW	9	.
1300	.	.	40	51	16	25	25.920	S	4	.
1400	250	.	40	49	16	27	25.910	SSW	6	.
1500	Clear	.	40	47	15	27	25.930	Cal	4	.
1600	.	.	40	44	18	35	25.930	Cal	3	.
1700	.	.	40	39	14	35	25.930	Cal	3	.
1800	.	.	40	36	14	40	25.930	NW	3	.
1900	.	.	40	35	28	77	25.927	Cal	3	.
2000	.	.	40	35	25	67	25.920	.	Cal	.
2100	.	.	40					.	.	.
2200	220	.	40					.	.	.
2300	.	.	40					.	.	.

TOTAL PRECIPITATION FOR PERIOD: NONE

DATE SHEET
OPERATION JANGLE
SURFACE OBSERVATIONS-CONTROL POINT
19 NOVEMBER 1951

TIME	CEILING	SKY	VISI- BILITY	TEMP- RAHURE	DW POINT	RELATIVE HUMIDITY	PRES- SURE	WIND DIR- ECTION	WIND SPEED	PRECIP- ITATION
0300	180	.	45miles	35°F	19°F	52%	25.915	Calm	Calm	None
0445	.	.	45	33	20	60	25.905	"	.	.
0225	.	.	45	32	17	53	25.910	.	.	.
0330	.	.	45	31	14	49	25.890	.	.	.
0430	.	.	45	33	17	52	25.873	.	.	.
0530	Clear	.	45	30	15	53	25.860	NW	3	.
0630	.	.	45	31	13	47	25.860	NW	4	.
0730	.	.	45	35	15	43	25.860	Calm	Calm	.
0830	270	.	45	33	19	55	25.860	.	.	.
0927	.	.	45	37	24	59	25.860	.	.	.
1030	89	90	45	37	27	66	25.850	SSE	3	.
1131	90	90	45	43	24	48	25.825	SSE	4	.
1230	90	90	45	51	28	42	25.795	SE	6	.
1330	90	90	45	55	29	37	25.770	SE	5	.
1430	90	90	45	56	33	42	25.750	SE	13	.
1529	90	90	50	53	28	38	25.735	SE	6	.
1630	Clear	.	50	50	29	72	25.720	SE	4	.
1729	.	.	50	48	28	38	25.715	S	4	.
1830	.	.	45	45	21	38	25.720	SSE	3	.
1930	50	50	45	43	16	34	25.710	S	4	.
2028	50	50	45	45	23	42	25.700	S	6	.
2132	50	50	45	50	31	47	25.690	SSE	17	Trace
2150	50	50	40	50	36	57	25.680	SSE	18	None
2228	50	50	40	50	39	71	25.680	S	24	.
2332	40	40	40	48				S	28	.

TOTAL PRECIPITATION FOR PERIOD: TRACE

DATA SHEET
OPERATION JANGLE
SURFACE OBSERVATIONS-CONTROL POINT
20 NOVEMBER 1951

TIME	CEILING	SKY	VISI- BILITY	TEMP- ERATURE	DEW POINT	RELATIVE HUMIDITY	RES- SURF	WIND DIR- ECTION	WIND SPEED	PRECIP- ITATION
0029		40	40 miles	45°r	39°r	80%	25.680	S	16 knots	none
0128		40	40	45	39	80	25.680	S	18	"
0233		40	40	45	40	84	25.670	S	19	"
0325		40	40	45	41	89	25.665	S	17	"
0432		40	40	43	38	81	25.660	S	23	Trace
0527	Clear	Clear	40	43	37	78	25.660	S	24	none
0631	"	"	40	44	35	69	25.650	S	24	"
0730	45	45	40	46	33	61	25.640	S	26	"
0830	40	40	40	46	35	67	25.630	S	26	"
0930	40	40	40	48	38	68	25.630	S	26	"
1030	40	40	40	51	38	62	25.645	S	26	"
1130	40	40	40	52	37	57	25.630	SSW	26	"
1230	40	40	40	52	36	54	25.610	SSW	30	"
1330	40	40	40	52	36	54	25.580	S	26	"
1430	30	30	40	47	39	73	25.580	S	28	"
1529	20	20	40	47	41	81	25.570	S	22	"
1630	20	20	40	46	42	84	25.570	S	22	Trace
1730	20	20	40	46	43	86	25.570	S	22	none
1830	30	30	40	45	37	73	25.590	S	18	"
1930	30	30	40	44	36	72	25.585	S	17	"
2030	30	30	40	44	34	70	25.600	S	11	"
2130	30	30	40	42	33	69	25.610	S	7	"
2230	Clear	Clear	40	42	32	68	25.660	S	6	"
2330	30	30	40	41	31	68	25.665	S	4	"

TOTAL PRECIPITATION FOR PERIOD: TRACE

DATA SHEET
OPERATION JANGLE
SURFACE OBSERVATIONS-CONTROL POINT
28 NOVEMBER 1951

TIME	CEILING	SKY	VISI- BILITY	TEMP- ERATURE	DEW POINT	RELATIVE HUMIDITY	PRES- SURE	WIND DIR- ECTION	WIND SPEED	PRECI- PITATION
			40 miles	34 F	24 F					none
0030	Clear	Clear	40	34	28	67	25.935	N	3	.
0130	.	.	40	34	28	78	25.940	NNW	3	.
0230	.	.	40	33	26	76	25.740	NNW	3	.
0330	.	.	40	31	28	82	25.920	NW	7	.
0430	.	.	40	29	24	82	25.918	NNW	4	.
0530	.	.	40	28	20	73	25.920	NW	3	.
0630	.	.	40	29	25	84	25.930	N	4	.
0730	.	.	40	31	25	80	25.930	N	3	.
0830	250	250	40	34	26	72	25.930	NNE	3	.
0930	250	250	40	40	27	60	25.940	NNE	3	.
1030	250	250	40	46	26	46	25.930	NE	3	.
1130	250	250	40	50	29	44	25.910	S	4	.
1230	250	250	40	52	31	45	25.900	S	4	.
1330	250	250	40	53	30	41	25.880	S	5	.
1430	250	250	40	54	31	41	25.880	SE	6	.
1530	250	250	40	54	31	41	25.880	SE	4	.
1630	250	250	40	52	30	42	25.915	SW	6	.
1730	250	250	40	51	27	39	25.920	SSW	7	.
1829	Clear	Clear	40	45	32	59	25.940	NNW	3	.
1928	.	.	40	44	31	60	25.945	NNW	4	.
2030	.	.	40	38	30	74	25.995	N	2	.
2130	.	.	40	38	29	70	25.965	NNE	4	.
2230	.	.	40	37	27	68	25.960	NNE	3	.
2330	.	.	40	33	25	72	25.960	NNE	3	.

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION JANGLE
SURFACE OBSERVATIONS-CONTROL POINT
29 NOVEMBER 1951

TIME	CEILING	SKY	VISI- BILITY	TEMP- ERATURE	DEW POINT	RELATIVE HUMIDITY	PRES- SURE	WIND DIR- ECTION	WIND SPEED	PRECIP- ITATION
0030		Clear	40 miles	32°F	24°F	73%	25.960	NNE	4	none
0130		"	40	30	23	74	25.960	NE	4	"
0230		"	40	30	23	75	25.950	NW	4	"
0330		"	40	30	22	73	25.950	Calm	Calm	"
0430		"	40	29	23	78	25.940	"	"	"
0530		"	40	27	20	74	25.940	N	5	"
0630		"	40	27	21	78	25.960	NNW	4	"
0730		"	40	32	24	71	25.970	NTW	4	"
0830		"	40	39	23	54	25.960	NE	4	"
0930		"	40	44	28	54	25.985	ITE	4	"
1030		"	40	50	31	48	25.960	N	4	"
1130		"	40	54	31	41	25.940	ITE	6	"
1200		"	40	56	32			Calm	Calm	"
1230		"	40	57	28	33	25.920	N	2	"
1330		"	40	58	34	41	25.900	SE	6	"
1430		"	40	58	35	42	25.900	SE	6	"
1530		"	40	57	29	35	25.900	SE	5	"
1630		"	40	56	29	36	25.890	S	4	"
1730		"	40	47	32	55	25.890	S	3	"
1830		"	40	44	28	53	25.890	S	4	"
1930		"	40	44	28	53	25.900	Calm	Calm	"
2030		"	40	40	27	58	25.900	"	"	"
2130		"	40	41	26	55	25.900	"	"	"
2230		"	40	40	27	58	25.898	"	"	"
2330		"	40	37	28	72	25.900	"	"	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION JANGLE
SURFACE OBSERVATIONS-CONTROL POINT
30 NOVEMBER 1951

TIME	CEILING	SKY	VISI- BILITY	TEMP- ERATURE	FEW FOUNT	RELATIVE HUMIDITY	RES- SURF	WIND DIR- ECTION	WIND SPEED	PRECIP- ITATION
			40 miles	36°F	27°F	70%	25.890		Cal	none
0030	Clear	Clear	40	35	27	72	25.870	Cal	Cal	.
0130	.	.	40	35	27	72	25.870	.	.	.
0230	.	.	40	35	26	78	25.870	N	5	.
0330	.	.	40	32	25	76	25.858	Cal	Cal	.
0430	250	250	40	32	25	76	25.845	.	.	.
0530	250	250	40	32	24	72	25.845	NE	3	.
0630	250	250	40	32	28	88	25.845	N	3	.
0730	250	250	40	31	27	68	25.865	Cal	Cal	.
0830	250	250	40	37	22	61	25.865	.	.	.
0930	200	200	40	43	22	47	25.885	.	.	.
1030	250	250	40	46	27	41	25.865	SSE	7	.
1130	250	250	40	53	30	29	25.845	SE	6	.
1230	220	220	40	54	22	39	25.845	SE	9	.
1330	220	220	40	53	29	36	25.830	SSW	5	.
1430	100	80	40	53	27	37	25.825	SSW	5	.
1530	80	80	40	50	29	44	25.835	Cal	Cal	.
1630	80	80	40	46	30	53	25.820	SW	6	.
1730	100	100	40	45	30	55	25.850	E	3	.
1830	Clear	Clear	40	43	28	55	25.865	Cal	Cal	.
1930	.	.	40	37	30	74	25.860	.	.	.
2030	.	.	40	36	27	70	25.860	.	.	.
2130	.	.	40	35	27	73	25.845	N	3	.
2230	.	.	40	34	26	71	25.855	N	4	.
2330	.	.	40							.

TOTAL PRECIPITATION FOR PERIOD: NONE

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 0400Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	310	06
5000	020	08
6000	070	07
7000	130	05
8000	190	07
9000	200	08
10000	180	07
12000	180	04
14000	130	07
15000	120	06
16000	120	06
18000	150	06
20000	180	08
25000	230	05
30000	290	07
35000	300	18
40000	260	16

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	05
5000	010	04
6000	090	03
7000	Calm	Calm
8000	Calm	Calm
9000	Calm	Calm
10000	180	08
12000	190	03
14000	180	08
15000	180	10
16000	200	11
18000	180	08
20000	180	04
25000	200	06
30000	340	16
35000	310	20
40000	280	31

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 October 1951

WIND DATA SHEET
AEC TEST SITE

TIME 1600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	080	05
7000	140	05
8000	180	07
9000	190	09
10000	200	07
12000	150	07
14000	170	07
15000	180	07
16000	190	07
18000	270	03
20000	310	07
25000	290	13
30000	300	30

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	100	03
7000	180	05
8000	180	11
9000	200	10
10000	210	09
12000	180	11
14000	180	06
15000	220	05
16000	240	04
18000	280	06
20000	310	07

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	07
5000	200	05
6000	240	06
7000	250	09
8000	200	12
9000	190	18
10000	210	18
12000	220	23
14000	220	21

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	Calm	Calm
7000	Calm	Calm
8000	110	06
9000	110	04
10000	110	04
12000	150	06
14000	150	06
15000	140	08
16000	150	09
18000	150	10
20000	170	07

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	330	04
5000	360	06
6000	050	04
7000	100	08
8000	180	11
9000	170	12
10000	170	12
12000	300	03
14000	220	03
15000	180	07
16000	170	17
18000	180	09
20000	190	11
25000	180	04
30000	170	10

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	300	03
5000	040	07
6000	110	06
7000	170	12
8000	180	13
9000	180	11
10000	180	12
12000	180	10
14000	180	09
15000	180	05
16000	190	06
18000	240	03
20000	260	02
25000	330	10
30000	320	16

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	050	05
5000	050	07
6000	090	04
7000	100	07
8000	130	14
9000	170	18
10000	150	14
12000	190	18
14000	180	12
15000	190	14
16000	190	15
18000	200	15
20000	240	20
25000	270	27

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	150	04
5000	150	07
6000	140	09
7000	160	14
8000	170	20
9000	180	23
10000	190	24
12000	190	22
14000	200	14
15000	200	14
16000	200	14
18000	210	12
20000	220	10
25000	230	14
30000	260	24
35000	270	43

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951 WIND DATA SHEET
CALIENTE, NEVADA TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	010	04
5000	030	05
6000	110	07
7000	140	07
8000	160	06
9000	190	05
10000	220	04
12000	170	08
14000	140	16
15000	150	16
16000	150	16
18000	160	13
20000	140	05

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	03
5000	110	03
6000	140	05
7000	160	13
8000	160	13
9000	180	10
10000	180	07
12000	160	04
14000	160	10
15000	160	15
16000	160	18
18000	160	17
20000	160	19
25000	190	06
30000	270	04

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>TIME</u>
Surface	360	03
5000	030	03
6000	090	03
7000	130	08
8000	170	09
9000	200	07
10000	210	06
12000	170	04
14000	180	10
15000	160	13
16000	160	14
18000	160	18
20000	170	12
25000	210	09
30000	180	25

TIME 1600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	02
5000	110	02
6000	100	03
7000	140	05
8000	180	03
9000	270	04
10000	240	03
12000	190	08
14000	200	08
15000	200	07
16000	180	07
18000	170	14
20000	170	16

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951 WIND DATA SHEET
CALIENTE, NEVADA TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	05
5000	180	05
6000	170	06
7000	160	08
8000	160	07
9000	170	07
10000	190	10
12000	200	13
14000	190	15
15000	180	18
16000	180	22
18000	190	19
20000	200	14
25000	300	06
30000	310	24

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
GROUND ZERO

DATE 18 November 1951

TIME 1800 Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	100	03
7000	180	05
8000	180	11
9000	200	10
10000	210	09
12000	180	11
14000	180	06
15000	220	05
16000	240	04
18000	280	06
20000	310	07

TIME 1944 Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	Calm	Calm
7000	170	03
8000	180	07
9000	190	14
10000	180	19
12000	200	18
14000	200	21
15000	180	21
16000	180	21
18000	180	17
20000	210	05

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	06
5000	090	15
6000	100	14
7000	100	12
8000	100	11
9000	110	08
10000	130	03
12000	200	04
14000	130	10
15000	130	14
16000	140	15
18000	150	16
20000	150	17
25000	050	03
30000	260	02
35000	280	05

TIME 0530Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	03
5000	090	11
6000	090	15
7000	100	15
8000	120	14
9000	130	10
10000	130	05
12000	180	02
14000	150	10
15000	140	14
16000	140	13
18000	150	15
20000	160	12
25000	140	05
30000	320	05
35000	300	14
40000	270	25

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	04
5000	100	09
6000	090	10
7000	110	11
8000	120	11
9000	140	12
10000	150	07
12000	150	02
14000	170	06
15000	150	10
16000	150	10
18000	160	12
20000	160	10
25000	160	05
30000	300	04
35000	290	04

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	03
5000	130	06
6000	110	10
7000	100	13
8000	110	13
9000	110	08
10000	100	04
12000	130	04
14000	220	03
15000	180	06
16000	170	10
18000	140	08
20000	140	09
25000	300	07
30000	350	05

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	020	03
5000	120	08
6000	120	11
7000	120	11
8000	110	09
9000	120	05
10000	170	05
12000	160	05
14000	150	12
15000	150	12
16000	160	12
18000	210	08
20000	240	04

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	340	04
6000	240	07
7000	130	10
8000	150	11
9000	160	09
10000	160	08
12000	150	05
14000	160	07
15000	160	06
16000	140	08
18000	080	04
20000	350	05
25000	340	07
30000	350	17
35000	320	22
40000	280	16

TIME 0530Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	340	04
6000	240	07
7000	140	09
8000	160	10
9000	190	09
10000	190	07
12000	170	04
14000	170	06
15000	170	06
16000	180	04
18000	330	03
20000	360	03
25000	350	05
30000	300	17
35000	300	17
40000	280	21

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	08
6000	080	09
7000	170	11
8000	180	11
9000	200	10
10000	200	10
12000	200	09
14000	190	09
15000	200	08
16000	260	04
18000	330	06
20000	310	04
25000	340	06
30000	300	16
35000	290	14
40000	290	25

TIME 1600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	030	04
6000	090	05
7000	150	10
8000	170	14
9000	180	15
10000	180	13
12000	170	09
14000	160	03
15000	200	02
16000	310	04
18000	310	05
20000	280	05
25000	270	12
30000	280	24
35000	290	25
40000	290	39

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 18 November 1951 WIND DATA SHEET
TONOPAH, NEVADA TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	150	13
6000	150	11
7000	150	12
8000	160	16
9000	170	21
10000	180	22
12000	200	19
14000	210	14
15000	210	12
16000	200	07
18000	210	09
20000	210	13
25000	220	14
30000	260	27
35000	270	46
40000	260	45

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	200	03
5000	160	06
6000	140	08
7000	140	09
8000	180	11
9000	190	17
10000	190	20
12000	200	22
14000	190	21
15000	190	16
16000	200	14
18000	210	16
20000	210	18
25000	200	20
30000	220	20
35000	250	40
40000	270	37

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	160	08
7000	180	19
8000	180	24
9000	190	26
10000	190	27
12000	190	32
14000	200	34
15000	200	36
16000	210	37
18000	200	42
20000	200	30
25000	210	50
30000	210	38

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951 WIND DATA SHEET TIME 1300Z
AEC TEST SITE

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	160	12
7000	170	19
8000	180	23
9000	200	26
10000	200	32
12000	200	35
14000	200	39
15000	200	40
16000	200	33
18000	200	46
20000	210	39

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	160	13
7000	170	18
8000	190	22
9000	200	29
10000	200	33
12000	210	33
14000	200	46
15000	200	59
16000	200	37
18000	200	33
20000	200	75

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	170	13
7000	180	20
8000	180	26
9000	200	28
10000	200	32
12000	200	37
14000	210	40
15000	210	41
16000	210	44
18000	200	63
20000	200	54

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	08
5000	170	10
6000	170	16
7000	180	23
8000	180	27
9000	180	30
10000	190	37
12000	210	44
14000	210	38
15000	210	39
16000	200	57
18000	200	48
20000	190	60

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0400Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	150	04
5000	150	12
6000	150	18
7000	150	23
8000	160	28
9000	180	30
10000	190	32
12000	190	34
14000	180	34
15000	190	32
16000	200	28
18000	180	21
20000	190	24
25000	200	31
30000	200	52

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	160	13
6000	150	20
7000	160	22
8000	160	27
9000	170	30
10000	180	33
12000	180	42

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	05
5000	150	13
6000	160	21
7000	180	26
8000	180	32
9000	180	34
10000	170	30
12000	170	34
14000	190	38
16000	190	42

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	140	09
6000	160	16
7000	160	22
8000	160	24
9000	160	26
10000	160	27
12000	160	24
14000	160	32
15000	160	34
16000	160	38

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	130	03
5000	150	14
6000	150	25
7000	160	31
8000	170	31
9000	170	35
10000	180	42
12000	180	40
14000	190	44

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	160	13
6000	160	20
7000	160	27
8000	170	32
9000	170	43
10000	170	44
12000	180	51

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	200	03
5000	150	21
6000	150	27
7000	170	33
8000	170	38
9000	170	43
10000	170	46
12000	190	44
14000	180	55
15000	190	52
16000	190	60

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	10
5000	150	27
6000	150	31
7000	160	35
8000	170	39
9000	170	33
10000	180	44
12000	180	50
14000	180	52
15000	180	51
16000	180	53
18000	180	59
20000	190	69
25000	190	83
30000	190	99

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	020	06
5000	070	08
6000	160	10
7000	160	10
8000	160	17
9000	170	17
10000	180	14
12000	190	16
14000	190	26
15000	190	26
16000	190	22
18000	200	19
20000	230	12
25000	280	15

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	04
5000	070	05
6000	170	08
7000	170	15
8000	180	20
9000	180	23
10000	190	22
12000	210	23
14000	210	31
15000	190	32
16000	190	33
18000	190	29
20000	190	23
25000	220	26
30000	250	38

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	140	10
7000	160	18
8000	180	23
9000	200	27
10000	200	29
12000	200	32
14000	200	36
15000	200	36
16000	200	36
18000	210	30
20000	230	23

TIME 1100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	03
5000	040	04
6000	150	11
7000	170	17
8000	180	24
9000	190	29
10000	190	33
12000	200	38
14000	200	44
15000	200	45
16000	200	43
18000	210	40
20000	220	44

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	02
5000	040	03
6000	150	11
7000	170	20
8000	180	25
9000	190	30
10000	200	34
12000	210	38
14000	200	45
15000	200	47
16000	210	46
18000	210	37
20000	210	41
25000	210	36
30000	210	50

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	140	15
7000	160	23
8000	180	31
9000	190	38
10000	200	43
12000	190	48

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	130	14
7000	180	22
8000	190	25
9000	190	26

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	240	05
5000	210	05
6000	190	09
7000	180	16
8000	170	25
9000	170	31
10000	190	40
12000	200	43
14000	210	46
15000	210	50
16000	210	60

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
GROUND ZERO

DATE 19 November 1951

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	040	06
5000	040	06
6000	030	07
7000	050	07
8000	130	07
9000	170	13
10000	190	08
12000	220	10
14000	200	05
15000	200	03
16000	070	03

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	03
5000	030	05
6000	090	10
7000	130	17
8000	180	23
9000	190	30
10000	190	33
12000	200	33
14000	190	34
15000	200	34
16000	210	42

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
GROUND ZERO

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	040	03
5000	040	06
6000	050	04
7000	060	03
8000	200	05
9000	200	20
10000	190	06
12000	220	08
14000	130	09
15000	130	09
16000	130	10

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	04
5000	100	11
6000	110	14
7000	100	14
8000	130	12
9000	150	10
10000	170	09
12000	180	12
14000	180	17
15000	180	21
16000	190	17
18000	210	12
20000	210	15
25000	280	16
30000	300	23
35000	260	71

TIME 0500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	130	10
5000	130	10
6000	130	10
7000	130	10
8000	150	13
9000	170	11
10000	180	16
12000	190	18
14000	190	20
15000	190	20
16000	190	17
18000	200	14
20000	230	15
25000	270	25
30000	260	25
35000	270	45

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	070	04
5000	110	11
6000	120	12
7000	130	13
8000	160	15
9000	190	17
10000	200	19
12000	190	21
14000	200	27
15000	200	30
16000	200	27
18000	200	25
20000	220	20
25000	240	22
30000	240	27
35000	250	35

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	04
5000	120	15
6000	120	17
7000	130	16
8000	160	16
9000	180	17
10000	190	20
12000	190	25
14000	200	30
15000	200	30
16000	200	31
18000	210	29
20000	220	27
25000	230	23
30000	240	25
35000	250	37

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951 WIND DATA SHEET TIME 1200Z
ST GEORGE, UTAH

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	080	06
5000	110	10
6000	120	12
7000	150	13
8000	170	13
9000	180	17
10000	190	21
12000	190	30
14000	210	35
15000	210	35
16000	210	33
18000	220	27
20000	230	25
25000	230	29
30000	240	24
35000	250	46

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	09
5000	120	14
6000	120	16
7000	130	15
8000	160	14
9000	180	15
10000	180	15

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	070	05
5000	110	13
6000	130	14
7000	150	13
8000	170	17
9000	190	21
10000	190	25
12000	200	36
14000	200	40
15000	200	39
16000	210	40
18000	210	40
20000	210	42
25000	210	55
30000	210	70

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	050	03
5000	100	11
6000	120	16
7000	140	19
8000	160	19
9000	180	21
10000	190	25
12000	190	40
14000	200	45
15000	200	47
16000	200	48
18000	210	57
20000	210	57
25000	210	60
30000	210	70

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0001Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	150	19
6000	150	21
7000	160	27
8000	170	28
9000	170	25
10000	170	29
12000	200	39
14000	290	34
15000	210	36
16000	220	38

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	160	07
6000	170	13
7000	170	21
8000	170	26
9000	170	29
10000	180	29
12000	200	31
14000	190	31
15000	200	29
16000	200	27
18000	200	27
20000	220	36
25000	230	38
30000	220	44
35000	230	47
40000	260	58

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
6000	Calm	Calm
7000	160	18
8000	170	24
9000	180	30
10000	180	35
12000	200	37
14000	200	33
15000	200	32
16000	200	39
18000	210	41
20000	210	39
25000	210	42
30000	230	38
35000	230	50
40000	240	61

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	06
6000	130	12
7000	150	21
8000	170	26
9000	180	32
10000	190	39
12000	200	37
14000	200	39
15000	200	41
16000	200	43
18000	210	42
20000	210	43
25000	210	48
30000	220	48
35000	220	63
40000	240	67

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	07
6000	140	13
7000	170	21
8000	180	29
9000	180	39
10000	190	45
12000	190	42
14000	200	51
15000	200	52
16000	210	49
18000	210	49
20000	210	55
25000	210	60
30000	210	87

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	04
6000	090	13
7000	160	24
8000	190	32
9000	180	36
10000	190	42
12000	200	47
14000	190	32

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS. NEVADA

DATE 19 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	12
6000	140	19
7000	160	28
8000	170	35
9000	190	35
10000	200	32
12000	210	36
14000	210	45
15000	210	49
16000	210	53
18000	200	53
20000	200	62
25000	200	68
30000	210	80
35000	210	96
40000	220	112

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	160	23
6000	160	28
7000	160	33
8000	160	28
9000	160	24
10000	180	34
12000	190	62
14000	200	61
15000	210	58
16000	200	58
18000	210	86
20000	210	62
25000	220	71

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 19 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	160	26
6000	160	28
7000	160	31
8000	160	32
9000	170	29
10000	180	31
12000	190	39
14000	210	48
15000	210	53
16000	210	52
18000	210	60
20000	210	63
25000	260	68
30000	200	85
35000	210	89
40000	210	88

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	12
5000	170	21
6000	170	23
7000	160	26
8000	180	31
9000	180	38

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	11
5000	170	26
6000	180	31
7000	180	38
8000	180	46
9000	180	47

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	170	16
5000	170	25
6000	170	31
7000	180	36
8000	190	42
9000	190	50
10000	200	53
12000	220	56
14000	210	48
15000	210	46
16000	210	50
18000	210	60
20000	210	77

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	24
5000	180	42
6000	180	38
7000	180	39
8000	190	43
9000	190	49

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951 WIND DATA SHEET
CALIENTE, NEVADA TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	210	05
5000	200	05
6000	180	19
7000	180	24
8000	190	29
9000	180	40
10000	250	49
12000	190	58

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	07
5000	180	24
6000	180	28
7000	190	33
8000	190	45
9000	190	45
10000	200	49
12000	220	47

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	170	07
5000	180	10
6000	200	16
7000	190	23
8000	190	25

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	15
5000	180	19
6000	180	29
7000	190	32
8000	190	32

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	04
5000	160	10
6000	180	14
7000	180	18
8000	180	22
9000	180	26
10000	200	30
12000	210	32
14000	210	36
15000	210	37
16000	210	41
18000	210	47
20000	220	54
25000	210	68

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	04
5000	160	10
6000	190	14
7000	210	15
8000	210	17
9000	210	21
10000	220	27
12000	220	33

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	10
5000	170	13
6000	190	16
7000	210	19
8000	210	26
9000	210	30
10000	210	30

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	190	22
5000	220	20
6000	220	20
7000	220	20
8000	220	21
9000	220	24
10000	220	28
12000	230	37
14000	240	46
15000	240	52
16000	240	59
18000	240	75
20000	240	86

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	170	22
6000	170	27
7000	170	36
8000	180	41
9000	180	44
10000	180	44
12000	200	44
14000	200	42
15000	200	43
16000	200	48
18000	210	59
20000	220	60
25000	210	77
30000	210	80
35000	220	73
40000	220	77

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	190	11
6000	190	23
7000	190	35
8000	200	40
9000	210	38
10000	210	38
12000	210	36
14000	210	38
15000	220	46
16000	220	45
18000	220	45
20000	230	64
25000	230	77
30000	230	81
35000	230	70
40000	240	61

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 20 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	150	17
6000	160	23
7000	170	30
8000	180	33
9000	190	34
10000	190	36
12000	200	41
14000	210	50
15000	220	54
16000	230	59
18000	230	59
20000	240	61
25000	240	80
30000	240	88
35000	240	84
40000	240	59

TIME 2200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	160	05
6000	210	13
7000	230	22
8000	220	30
9000	220	31
10000	230	29
12000	240	31

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	160	07
5000	070	01
6000	080	02
7000	140	03
8000	180	06
9000	220	06
10000	270	06
12000	250	09
14000	270	14
15000	270	20
16000	260	23
18000	260	23
20000	270	26

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	140	05
7000	160	09
8000	170	11
9000	190	11
10000	210	11
12000	220	13
14000	240	19
15000	250	23
16000	250	25
18000	250	26
20000	260	30

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 1600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	03
5000	Calm	Calm
6000	170	09
7000	190	11
8000	220	15
9000	240	19
10000	240	15
12000	260	15
14000	260	26
15000	250	35
16000	250	35

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	06
5000	180	06
6000	190	08
7000	200	12
8000	210	12
9000	220	13
10000	230	15
12000	270	08
14000	260	18
15000	250	24
16000	250	29
18000	260	31
20000	260	31
25000	240	36

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
BEATTY, NEVADA

DATE 28 November 1951

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	03
5000	060	04
6000	130	03
7000	160	06
8000	180	05
9000	200	06
10000	200	10
12000	230	24
14000	230	23
15000	240	20
16000	240	22
18000	240	29
20000	240	36
25000	240	40
30000	250	42

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	05
5000	030	06
6000	130	07
7000	160	10
8000	180	09
9000	180	16
10000	190	15
12000	220	16
14000	230	16
15000	230	17
16000	240	16
18000	250	22
20000	260	30

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	200	03
5000	170	07
6000	150	10
7000	150	12
8000	160	13
9000	190	15
10000	210	20
12000	230	13
14000	240	13
15000	240	18
16000	240	24
18000	230	35
20000	230	40
25000	240	43

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	070	02
7000	160	03
8000	180	10
9000	200	14
10000	200	16
12000	200	22
14000	040	23
15000	240	31
16000	230	32
18000	260	37
20000	250	49

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	130	06
7000	160	09
8000	200	12
9000	210	16
10000	230	17
12000	240	21
14000	250	27
15000	250	27
16000	250	25
18000	260	32
20000	260	49

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	03
5000	180	04
6000	180	08
7000	210	11
8000	240	13
9000	250	16
10000	250	15
12000	250	15
14000	250	23
15000	250	25
16000	260	25
18000	260	32
20000	260	39
25000	250	49

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
GROUND ZERO

DATE 28 November 1951

TIME 0314Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	030	03
5000	040	03
6000	100	03
7000	170	03
8000	190	06
9000	200	11
10000	230	06
12000	270	05
14000	230	10
15000	240	10
16000	260	11

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	040	03
5000	090	04
6000	160	05
7000	190	07
8000	200	11
9000	200	13
10000	220	13
12000	240	18
14000	250	24
15000	260	32
16000	260	38

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 23 November 1951

WIND DATA SHEET
GROUND ZERO

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	110	03
5000	110	03
6000	160	11
7000	210	12
8000	230	13
9000	250	14
10000	270	14
12000	250	19
14000	260	25
15000	260	27
16000	260	28

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	07
5000	110	10
6000	120	11
7000	120	10
8000	180	11
9000	210	17
10000	230	21
12000	250	23
14000	250	20
15000	250	19
16000	250	24
18000	250	32
20000	240	36
25000	240	40
30000	250	62
35000	250	65

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	010	02
5000	110	07
6000	120	10
7000	130	07
8000	180	07
9000	240	15
10000	240	24
12000	240	24
14000	260	25
15000	250	25
16000	250	24
18000	250	30
20000	250	30
25000	250	44
30000	240	66
35000	240	64

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	05
6000	060	05
7000	150	05
8000	180	08
9000	200	09
10000	200	09
12000	250	13
14000	270	13
15000	270	18
16000	260	30
18000	260	41
20000	260	45
25000	270	51
30000	270	60
35000	270	61
40000	270	66

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	06
6000	090	06
7000	160	07
8000	180	10
9000	220	13
10000	240	15
12000	240	22
14000	250	26
15000	270	30
16000	270	37
18000	260	48
20000	260	50
25000	250	51
30000	250	64
35000	250	61
40000	250	66

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 28 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	04
6000	100	07
7000	160	12
8000	200	13
9000	230	14
10000	250	17
12000	250	26
14000	270	37
15000	260	38
16000	260	40
18000	250	43
20000	250	44
25000	250	50
30000	250	63
35000	240	64
40000	260	75
45000	250	56
50000	250	52

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	05
6000	130	06
7000	160	06
8000	220	05
9000	250	07
10000	250	10
12000	250	18
14000	250	25
15000	260	32
16000	270	34
18000	260	36
20000	250	47
25000	250	48
30000	240	51
35000	250	54
40000	250	76
45000	250	52
50000	250	69

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 0500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	070	01
7000	190	02
8000	200	07
9000	220	10
10000	230	13
12000	230	18
14000	240	18
15000	250	16
16000	260	18
18000	250	21
20000	250	24
25000	240	25
30000	250	23
35000	250	45

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	020	04
5000	030	03
6000	100	02
7000	190	04
8000	210	09
9000	210	13
10000	230	17
12000	230	17
14000	230	20
15000	230	20
16000	240	22
18000	250	24
20000	240	29
25000	250	39

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 1600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	03
5000	020	04
6000	300	03
7000	210	07
8000	210	15
9000	230	20
10000	240	21
12000	260	20
14000	260	26
15000	260	28
16000	250	29
18000	260	30
20000	250	26
25000	250	35
30000	250	30
35000	250	37

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	040	03
5000	050	03
6000	290	04
7000	180	08
8000	210	15
9000	220	21
10000	220	22
12000	250	19
14000	250	18
15000	260	23
16000	250	26
18000	250	32
20000	250	36
25000	250	36
30000	250	38

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 2000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	02
5000	180	03
6000	190	05
7000	200	11
8000	210	15
9000	220	18
10000	230	21
12000	240	24
14000	250	25
15000	250	28
16000	250	30
18000	250	30
20000	250	30

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	02
5000	180	03
6000	190	05
7000	200	11
8000	210	19
9000	220	15
10000	230	15
12000	240	24
14000	260	25
15000	250	25
16000	250	29
18000	250	30
20000	250	30

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	03
5000	090	03
6000	170	07
7000	160	10
8000	180	08
9000	220	11
10000	230	10
12000	210	10
14000	220	10
15000	250	17
16000	250	23
18000	240	28
20000	340	33
25000	230	31
30000	230	38

TIME 0530Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	05
5000	030	06
6000	100	03
7000	150	06
8000	170	07
9000	180	09
10000	190	09
12000	230	14
14000	220	14
15000	220	15
16000	230	22
18000	240	29
20000	240	33
25000	230	40
30000	230	62

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	340	05
5000	090	04
6000	160	04
7000	170	05
8000	180	07
9000	190	10
10000	210	13
12000	220	22
14000	230	20
15000	230	25
16000	230	30
18000	230	29
20000	240	35
25000	230	32
30000	240	43

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	330	03
5000	070	03
6000	160	03
7000	170	08
8000	190	10
9000	210	13
10000	220	16
12000	230	16
14000	240	20
15000	250	23
16000	250	28
18000	250	31
20000	250	39
25000	260	38
30000	250	44

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	030	05
5000	040	07
6000	100	04
7000	170	07
8000	180	08
9000	210	13
10000	210	20
12000	230	18
14000	250	18
15000	250	24
16000	250	28
18000	240	33
20000	240	37
25000	250	37
30000	240	41
35000	240	44

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	020	03
5000	090	07
6000	160	04
7000	160	07
8000	170	10
9000	190	12
10000	210	13
12000	230	20
14000	230	18
15000	230	13
16000	230	16
18000	230	19
20000	230	30
25000	240	30
30000	240	31

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951 WIND DATA SHEET
BEATTY, NEVADA TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	05
5000	160	12
6000	150	13
7000	150	08
8000	180	07
9000	200	14
10000	210	16
12000	220	19
14000	230	23
15000	230	25
16000	230	30
18000	230	38
20000	220	37
25000	230	36
30000	240	42

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	190	04
5000	190	04
6000	190	04
7000	200	09
8000	220	10
9000	240	10
10000	250	13
12000	240	16
14000	240	23
15000	250	23
16000	260	23
18000	260	29
20000	250	33

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	Calm	Calm
7000	190	08
8000	210	11
9000	240	11
10000	240	11
12000	250	17
14000	250	21
15000	240	20
16000	240	19
18000	250	24
20000	260	25

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	Calm	Calm
7000	Calm	Calm
8000	180	08
9000	190	14
10000	210	17
12000	230	21
14000	240	22
15000	250	29
16000	250	31
18000	240	28
20000	240	23
25000	240	17

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	03
5000	110	04
6000	140	05
7000	160	05
8000	210	06
9000	220	08
10000	220	13
12000	230	20
14000	250	21
15000	250	25
16000	240	23
18000	250	18
20000	250	25

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	03
5000	110	04
6000	140	05
7000	160	05
8000	210	06
9000	220	08
10000	220	13
12000	230	20
14000	250	21
15000	250	25
16000	240	23
18000	250	18
20000	250	25

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	03
5000	020	03
6000	100	02
7000	170	06
8000	200	10
9000	200	12
10000	210	16
12000	230	21
14000	240	22
15000	240	22
16000	240	22
18000	240	20
20000	240	18

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	Calm	Calm
7000	Calm	Calm
8000	Calm	Calm
9000	210	12
10000	220	18
12000	220	29
14000	230	27
15000	240	31
16000	240	39
18000	230	34
20000	230	37
25000	250	33
30000	250	47
35000	260	49

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	140	03
7000	180	09
8000	180	16
9000	210	16
10000	230	17
12000	230	27
14000	250	28
15000	250	30
16000	250	31
18000	250	34
20000	240	38
25000	240	34
30000	250	43

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	04
5000	190	05
6000	200	08
7000	190	11
8000	190	14
9000	210	16
10000	230	20
12000	260	18
14000	260	17
15000	260	20
16000	260	24
18000	250	35
20000	250	38
25000	250	35

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
GROUND ZERO

DATE 29 November 1951

TIME 0550Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	020	03
5000	030	04
6000	220	04
7000	270	05
8000	220	09
9000	230	14
10000	240	14
12000	240	20
14000	230	18
15000	240	19
16000	250	18

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	020	03
5000	040	03
6000	090	04
7000	190	03
8000	200	09
9000	220	11
10000	240	11
12000	240	18
14000	240	23
15000	230	25
16000	230	26

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADAWIND DATA SHEET
GROUND ZERO

DATE 29 November 1951

TIME 1530Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	030	04
6000	060	04
7000	130	05
8000	220	15
9000	220	20
10000	220	22
12000	250	12
14000	260	28
15000	250	28
16000	250	28
18000	250	30
20000	250	35

TIME 1620Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	070	05
5000	070	03
6000	070	03
7000	070	03
8000	150	05
9000	210	14
10000	220	21
12000	230	23
14000	250	20
15000	No reading	
16000	260	21
18000	250	24

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	11
5000	110	08
6000	110	08
7000	150	09
8000	200	10
9000	210	14
10000	230	14
12000	260	17
14000	250	23
15000	250	23
16000	260	22
18000	260	21
20000	260	19
25000	230	30
30000	210	37

TIME 0500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	10
5000	110	10
6000	110	09
7000	120	08
8000	190	08
9000	220	14
10000	230	15
12000	250	15
14000	250	20
15000	250	20
16000	260	21
18000	260	22
20000	250	21
25000	260	32
30000	360	31
35000	250	43

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	12
5000	100	14
6000	110	11
7000	120	09
8000	180	08
9000	210	13
10000	230	14
12000	240	17
14000	250	18
15000	260	19
16000	260	20
18000	250	22
20000	250	23
25000	260	30
30000	260	41

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	060	03
5000	070	07
6000	090	09
7000	130	10
8000	180	08
9000	210	12
10000	220	13
12000	250	17
14000	230	17
15000	230	18
16000	240	20
18000	250	18
20000	260	25
25000	260	24
30000	250	43
35000	260	57

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	04
5000	110	13
6000	110	14
7000	110	17
8000	110	19
9000	130	17
10000	170	11
12000	210	21
14000	230	23
15000	240	23
16000	250	24
18000	240	27
20000	240	27
25000	250	28
30000	270	33
35000	260	33

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	030	04
5000	080	12
6000	100	17
7000	110	18
8000	130	15
9000	160	14
10000	170	16
12000	210	20
14000	220	21
15000	220	20
16000	220	22
18000	230	26
20000	250	29
25000	260	36
30000	270	31
35000	260	42
40000	260	43

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADADATE 29 November 1951 WIND DATA SHEET
ST GEORGE, UTAH TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	060	04
5000	100	10
6000	110	13
7000	120	13
8000	160	11
9000	200	14
10000	210	16
12000	230	20
14000	220	19
15000	230	21
16000	240	26
18000	250	30
20000	250	30
25000	250	32
30000	260	35
35000	260	35
40000	250	41

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	110	09
6000	110	08
7000	150	07
8000	190	09
9000	220	14
10000	220	15
12000	230	18
14000	240	21
15000	260	22
16000	260	25
18000	250	30
20000	250	35
25000	250	30
30000	250	34
35000	250	40

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951 WIND DATA SHEET
TONOPAH, NEVADA TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	05
6000	070	04
7000	170	02
8000	190	03
9000	280	05
10000	270	07
12000	240	15
14000	250	22
15000	260	29
16000	260	34
18000	260	38
20000	250	42
25000	250	51
30000	250	50
35000	250	54
40000	260	63
45000	250	59

TIME 0500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	10
6000	090	07
7000	170	05
8000	180	05
9000	280	05
10000	270	10
12000	240	15
14000	260	21
15000	260	24
16000	260	26
18000	260	29
20000	260	37
25000	240	46
30000	250	52
35000	250	54
40000	260	65
45000	250	64

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	07
6000	090	06
7000	160	05
8000	170	05
9000	270	05
10000	250	11
12000	220	13
14000	240	18
15000	250	21
16000	250	22
18000	250	27
20000	260	34
25000	250	48
30000	250	45
35000	250	55

TIME 1100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	06
6000	040	05
7000	090	06
8000	130	10
9000	150	05
10000	220	03
12000	240	08
14000	220	23
15000	220	24
16000	230	22
18000	240	27
20000	240	29

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	06
6000	050	06
7000	110	05
8000	160	06
9000	170	05
10000	230	04
12000	270	07
14000	270	13
15000	240	25
16000	240	30
18000	240	34
20000	250	31

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	04
6000	060	03
7000	140	05
8000	150	06
9000	180	05
10000	230	06
12000	260	19
14000	270	25
15000	270	24
16000	260	24
18000	240	29
20000	250	29
25000	250	39
30000	260	42
35000	260	44
40000	260	65
45000	250	64
50000	250	53
55000	260	50

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 29 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
6000	Calm	Calm
7000	140	09
8000	140	08
9000	160	05
10000	240	12
12000	260	20
14000	260	23
15000	250	22
16000	250	20
18000	250	15
20000	250	14

TIME 2100Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	170	05
6000	160	06
7000	150	08
8000	160	09
9000	190	08
10000	210	08
12000	240	13
14000	250	21
15000	250	21
16000	250	23
18000	240	29
20000	240	36
25000	260	37
30000	240	43
35000	240	45
40000	250	54
45000	250	53
50000	260	93
55000	250	51
60000	290	18

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
AEC TEST SITE

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	170	08
7000	190	13
8000	190	16
9000	200	17
10000	210	19
12000	240	15
14000	240	23
15000	240	27
16000	240	30
18000	240	32
20000	250	32

TIME 2000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	03
5000	200	08
6000	200	15
7000	200	26
8000	190	33
9000	200	30
10000	200	28
12000	210	37
14000	210	38
15000	210	38
16000	220	38
18000	210	40
20000	210	41
24000	220	46

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0001Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	180	07
4000	170	10
5000	150	12
6000	140	13
7000	140	15
8000	140	15
9000	160	13
10000	200	11
12000	210	20
14000	210	15
15000	210	12
16000	230	14
18000	230	36
20000	230	38
25000	230	30
30000	230	32

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	130	03
4000	140	06
5000	150	10
6000	150	13
7000	150	15
8000	170	16
9000	180	20
10000	190	19
12000	230	20
14000	230	23
15000	230	26
16000	230	27
18000	230	30
20000	230	36
23000	230	35

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 0530Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	140	03
4000	150	06
5000	170	10
6000	160	17
7000	150	22
8000	160	22
9000	180	28
10000	190	30
12000	190	29
14000	200	29
15000	220	29
16000	230	30
18000	250	29
20000	250	20
22000	250	23

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	200	05
4000	190	06
5000	180	08
6000	170	14
7000	150	21
8000	150	23
9000	160	27
10000	170	28
12000	190	27
14000	220	30
15000	220	33
16000	240	31
18000	260	31
20000	230	25
22000	240	30

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	05
4000	070	05
5000	130	07
6000	150	13
7000	160	16
8000	170	23
9000	190	23
10000	230	35
12000	220	40
14000	230	36
15000	230	40
16000	230	44
18000	230	35
20000	230	44
21000	230	46

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	04
4000	050	04
5000	130	05
6000	150	14
7000	180	20
8000	190	26
9000	200	25
10000	220	30
12000	220	34
14000	220	33
15000	220	31
16000	220	23
18000	210	28
20000	210	29
24000	240	44

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
BEATTY, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	320	03
4000	010	02
5000	080	04
6000	160	12
7000	160	20
8000	170	25
9000	180	35
10000	200	38
12000	220	35
13000	230	37

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0030Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	150	04
5000	150	05
6000	190	09
7000	180	10
8000	190	10
9000	210	10
10000	210	16
12000	240	20
14000	230	18
15000	230	23
16000	230	26
18000	250	35
20000	250	40
25000	250	43
30000	280	44

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	140	05
5000	150	06
6000	180	09
7000	180	09
8000	180	13
9000	190	18
10000	200	21
12000	220	18
14000	220	25
15000	220	28
16000	230	31
18000	240	35
20000	240	53
25000	250	43
30000	260	39

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	03
5000	020	03
6000	150	06
7000	170	13
8000	180	20
9000	200	20
10000	210	17
12000	220	23
14000	240	30
15000	250	34
16000	250	36
18000	250	35
20000	260	26
24000	250	33

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	04
5000	030	04
6000	160	08
7000	170	16
8000	180	23
9000	200	25
10000	210	21
12000	210	24
14000	220	28
15000	230	28
16000	230	30
18000	250	30
20000	260	36
25000	260	40

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	360	03
5000	040	03
6000	160	07
7000	180	16
8000	200	24
9000	220	28
10000	230	28
12000	230	32
14000	230	32
15000	230	31
16000	240	34
18000	240	31
20000	250	31
24000	240	35

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	160	03
5000	160	05
6000	170	11
7000	190	18
8000	210	25
9000	220	29
10000	230	30
12000	240	35
14000	240	35
15000	240	36
16000	240	36
18000	240	31
20000	240	28
25000	250	36

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
CALIENTE, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
5000	Calm	Calm
6000	180	04
7000	180	11
8000	190	20
9000	210	27
10000	220	30
12000	230	35
14000	240	30
15000	240	36
16000	230	39
18000	230	32
19000	230	31

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 0001Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	Calm	Calm
4000	100	05
5000	120	10
6000	110	10
7000	130	06
8000	170	08
9000	200	11
10000	210	15
12000	230	18
14000	240	16
15000	250	19
16000	250	21
18000	250	30
20000	250	31
25000	260	28
30000	250	37
35000	260	44

TIME 0300Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	120	10
4000	210	11
5000	120	14
6000	110	17
7000	120	17
8000	160	10
9000	190	11
10000	190	15
12000	220	19
14000	240	20
15000	250	25
16000	250	25
18000	260	30
20000	250	32
25000	260	28
30000	260	29
35000	250	52

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951 WIND DATA SHEET TIME 0500Z
ST GEORGE, UTAH

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	10
4000	100	13
5000	110	16
6000	110	14
7000	140	10
8000	190	10
9000	200	16
10000	200	20
12000	220	22
14000	240	24
15000	250	26
16000	250	28
18000	250	30
20000	250	31
25000	260	28
30000	250	37

TIME 0800Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	04
4000	110	11
5000	110	15
6000	120	14
7000	160	12
8000	190	14
9000	200	19
10000	210	21
12000	230	24
14000	230	26
15000	230	27
16000	240	28
18000	250	27
20000	250	30
25000	260	30
30000	260	30

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
ST GEORGE, UTAH

TIME 1000Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	080	02
4000	100	08
5000	110	11
6000	130	12
7000	160	13
8000	190	17
9000	200	21
10000	210	24
12000	220	28
14000	230	26
15000	230	24
16000	240	22
18000	260	21
20000	250	30
25000	250	31
30000	260	33

TIME 1200Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	110	10
4000	110	12
5000	110	14
6000	130	13
7000	190	11
8000	210	15
9000	230	20
10000	230	24
12000	230	25
14000	240	22
15000	240	20
16000	250	17
18000	250	19
20000	240	25
25000	260	27
30000	250	36

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951 WIND DATA SHEET TIME 1500Z
ST GEORGE, UTAH

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	100	15
4000	110	13
5000	120	14
6000	130	15
7000	140	10
8000	180	11
9000	220	19
10000	220	24
12000	240	25
14000	240	34
15000	240	35
16000	250	35
18000	230	29
20000	230	25
25000	240	42
30000	240	40
35000	240	52

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0001Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	130	04
6000	130	10
7000	140	11
8000	160	16
9000	190	11
10000	220	11
12000	220	12
14000	230	17
15000	230	19
16000	250	24
18000	250	34
20000	250	35

TIME 0400Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	170	03
6000	140	08
7000	130	14
8000	140	12
9000	170	20
10000	190	30
12000	220	16
14000	240	26
15000	250	35
16000	250	40
18000	260	45
20000	260	46
25000	260	42
30000	250	47
35000	240	63
40000	240	66
45000	250	63
50000	250	22

PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 0600Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	090	02
6000	120	09
7000	150	19
8000	160	22
9000	180	21
10000	190	24
12000	190	29
14000	210	24
15000	230	24
16000	240	30
18000	250	41

TIME 0900Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	010	03
6000	110	08
7000	170	13
8000	180	17
9000	210	21
10000	220	22
12000	230	24
14000	250	30
15000	250	36
16000	250	37
18000	240	41
20000	240	40
25000	240	45
30000	240	54
35000	240	57
40000	250	63

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PROJECT 1(8)b

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 November 1951

WIND DATA SHEET
TONOPAH, NEVADA

TIME 1500Z

<u>HEIGHT</u>	<u>DIRECTION</u>	<u>SPEED</u>
Surface	350	06
6000	140	06
7000	160	13
8000	180	19
9000	200	20
10000	210	20
12000	220	16
14000	240	20
15000	240	25
16000	240	30
18000	230	39
20000	230	41
25000	230	40
30000	230	50
35000	230	59
40000	240	55
45000	240	58

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