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OCTOBER-NOVEMBER 1951

Project 8.2

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AIR WEATHER SERVICE PARTICIPATION IN OPERATION BUSTER

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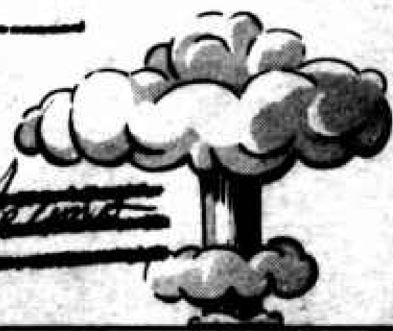

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No. 208 of 297 copies, Series A

OPERATION BUSTER

PROJECT 8.2

AIR WEATHER SERVICE PARTICIPATION IN OPERATION BUSTER

By

LT. COL. EUGENE H. KARSTENS

31 DECEMBER 1951

AIR WEATHER SERVICE

PREFACE

This report has been compiled to include 2 separate sections; the History, Instrumentation and Operations section and the resulting documentation, with the purpose of preserving for record the phases of planning and operation for possible use in future operations. Every effort has been made to include all the meteorological data necessary for a true evaluation of Operation BUSTER. The information presented has been decoded for easy usage.

Special acknowledgement must be made to the 2059th Air Weather Wing, Tinker Air Force Base, Oklahoma, for its logistical support during all phases of the operation, and to its subordinate units, to especially include the very efficient functioning of the 2060th Mobile Weather Squadron, Tinker Air Force Base, Oklahoma.

CONTENTS

AIR WEATHER SERVICE PARTICIPATION IN OPERATION BUSTER

1.1 HISTORY

The role of weather during atomic tests had always been an important one, and Operation BUSTER was no exception. In early March, 1951, after the completion of Operation RANGER, Col. H. L. Smith, (Commanding Officer, 2059th Air Weather Wing, Tinker Air Force Base, Oklahoma), in a conference with the Santa Fe Operations Office at Los Alamos, New Mexico, was informed that plans were being prepared for nuclear tests to be held at the Nevada Test Site in the fall of that year. The weather support needed for these tests was discussed only in general terms, and Col. Smith suggested that the Atomic Energy Commission make an official request to the United States Air Force for weather support.

On 15 March 1951, Brig. Gen. James McCormack, Jr., (Director of Military Application, AEC), in a memorandum to the Chief of Staff, USAF, Attention Deputy Chief of Staff for Operations, Assistant for Atomic Energy (Brig. Gen. Howard G. Bunker), initiated a request for weather support for the coming nuclear tests. In the memorandum, Gen. McCormack called attention to the fact that the successful conduct of Operation RANGER was made possible to a great extent by the excellent meteorological assistance provided by the Air Weather Service and pointed out that the success of future tests would depend on accurate meteorological observations and forecasting. He then requested that Brig. Gen. W. O. Senter, Chief, Air Weather Service, be authorized to furnish the required services. This would consist of meteorological support for all test operations at the Atomic Energy Commission's Nevada Test Site during Fiscal Year 1952, as well as providing qualified weather personnel to advise the Atomic Energy Commission Test Director regarding the utilization of meteorological data during both the planning and operational stages. He pointed out that these functions should include complete forecasting service and weather analysis to the Atomic Energy Commission Test Director during the operations, and continuous weather observations at the site to aid forecasting and for climatological purposes.

The above took place before Special Weapons Command, Kirtland Air Force Base, New Mexico, had officially been brought into the operation. When, in the spring of 1951, it became apparent that that command would be the logical one to support the Atomic Energy Commission, Gen. Bunker suggested that Brig. Gen. John S. Mills contact Gen. Senter of Air Weather Service and the Atomic Energy Commission directors involved to coordinate detailed requirements for meteorological services, as outlined in Gen. McCormack's memorandum to the Chief of Staff. Gen. Mills requested support from Air Weather Service, and arranged and coordinated conferences between Atomic Energy Commission and Air Weather Service personnel in the planning for the coming tests. Gen. Senter designated Col. Smith, who had been in touch with the Atomic Energy Commission during the preplanning stage, to

furnish the required support. The latter appointed Lt. Col Eugene H. Karstens of the Kirtland Air Force Base Weather Detachment as Weather Project Officer for the nuclear tests. His duties were to act as liaison officer for the Special Weapons Command, to coordinate the requirements for meteorological support between the Atomic Energy Commission Test Director and the Air Weather Service during the planning stage, and to direct Air Weather Service participation provided for the Atomic Energy Commission test during the operational phase.

By mid-summer the general weather support needed by the Atomic Energy Commission had been determined, and on 3 July 1951, Lt. Col. Karstens, Dr. J. C. Clark, the Atomic Energy Commission Deputy Test Director and Dr. T. L. Shipman, Director of Health Division, Los Alamos Scientific Laboratory, held a conference at Los Alamos, New Mexico, to discuss specific meteorological support for BUSTER. Dr. Clark stressed the need for a completely operational weather station at the Control Point at the Nevada Test Site, with sufficient outlying upper air observing stations to properly analyze the wind values at all levels up to 25,000 feet. The important considerations for BUSTER was cloud dispersion due to windshear factors from 10,000 feet to 25,000 feet, and the proper general wind flow from 20,000 feet to 25,000 feet to assure the dispersion of the atomic cloud. It was desirable, but not essential, that the wind during the BUSTER shots be from the southwest in order to move the cloud off into the sparsely populated northeast quadrant. Dr. Clark also stressed the need for cross-sectional analysis of pressure, temperature, humidity, and wind values during BUSTER shots to allow proper evaluation as to effects due to blast-reflaction. This information would be obtained just before each detonation and would include the airspace from the surface at Ground Zero to an altitude of 1,500 feet above that point The data obtained would also be used by the Atomic Energy Commission in post-analysis of each shot. It would of necessity have to be obtained by an instrumented balloon anchored at or near point zero and capable of being raised and lowered by remote control from the Control Point.

1.2 INSTRUMENTATION

In July, 1951, Lt. Col. Karstens set up a Special Projects Weather Office at Kirtland Air Force Base, New Mexico. This office came under Lt. Col. Earl W. Kesling, Special Projects Officer of Special Weapons Command. One of the first tasks was to obtain necessary equipment to determine pressure, temperature and humidity at the time and at the point of the blast as requested by Dr. Clark in the 3 July 1951 conference. Complete equipment to obtain this data was not available, and Maj. Irving L. Kuehnast of the Special Projects Weather Office was given the task of outlining the requirements and obtaining the various parts to accomplish this task. He, with the consultant aid of Mr. Herbert J. Plagge, Chief Meteorologist

of the Sandia Corporation, Albuquerque, New Mexico, drew up plans for the equipment. Parts of this were obtained from several sources: 2 wiresonde sets AN/UMQ-3, (a manually operated cable reel and captive balloon device to take upper air observations) were obtained from the Navy; several kite balloons from the Jalbert Aerology Laboratories, Boston, Massachusetts; special kite cable from the Plastoid Corporation, Hamberg, New Jersey; a motor adaption to the Navy cable reel (RL-116/UMQ-3) from the Pearne-Lacy Engineering Company, Los Angeles, California. Telemetering equipment, including an automatic switching device, was obtained from the Sandia Corporation, and a radiosonde ground receiving set from the 2059th Air Weather Wing at Tinker Air Force Base, Oklahoma. A detonator was installed on the balloon to destroy it prior to the nuclear shot. The installation of the equipment at the site was started in October, 1951. The above gives a fairly normal picture of the detailed coordination required by the Special Weapons Command to obtain the equipment and services required in its support of the Atomic Energy Commission in the atomic tests. Much equipment required was neither standard service nor commercial, but had to be made to order, or at least modified for use. The fact that time was very limited complicated matters and allowed little, if any, time for service testing.

1.3 OPERATIONS

Weather activities during the planning phases of BUSTER were wide-spread, and close coordination between Special Weapons Command, Atomic Energy Commission and the different units of Air Weather Service was essential. Lt. Col. Karstens, in order to keep himself informed on the overall picture, arranged to have different officers supervise the BUSTER meteorological activities in their own localties. Thus Lt. Col. Eugene A. Carter, Assistant Operations Officer, 2059th Air Weather Wing, Tinker Air Force Base, Oklahoma, coordinated all operations with the wing there; Maj. Robert E. Heft, Detachment Commander, Weather Detachment 2059-7L, Los Alamos, New Mexico, coordinated operations with the Atomic Energy Commission Test Directors at the Los Alamos Scientific Laboratories; Maj. Kuehnast of the Special Projects Weather Office at Kirtland Air Force Base, New Mexico, coordinated operations with the Special Weapons Command Special Projects Office; and Maj. Sidney Bird, Station Weather Officer, Nellis Air Force Base, Nevada, coordinated all operations at the Nevada Test Site. Lt. Col. Karstens kept in touch with these officers by telephone and personal visits, and kept Lt. Col. Kesling of Special Weapons Command Special Projects Office informed.

On 4 October 1951, Lt. Col. Karstens, Weather Project Officer, proceeded from Kirtland Air Force Base, New Mexico, to the Nevada Test Site to supervise the installation of meteorological equipment at the Control Point and to assume command of all Air Weather Service activities at the site. The equipment was installed within the next few days and by 10 October 1951, all was in readiness for operation.

On that date the forecaster and observer personnel arrived to start operations.

The first forecast for operational use was issued at 0945 PST on 13 October 1951, for 0600 PST 15 October 1951, by the Control Point Analysis Section. This section was headed by Dr. George P. Cressman from the office of the Director of Scientific Services, Headquarters, Air Weather Service. The section at first consisted of 11 officers, 2 civilians and 16 airmen. This was later reduced by 1 officer. In addition to the above, 1 rawinsonde section of 11 men operated at the Control Point throughout the operation.

In addition to the weather station at the Control Point, rawinsonde sections were established, by the 2060th Mobile Weather Squadron at Tonopah, Beatty and Caliente, and pibal sections at Tonopah, Warm Springs, Currant, Pioche and Alamo, all in Nevada and 1 pibal section was established at St. George, Utah. The outlying upper air sections were under the control of Capt. George J. Bogovich, Project Officer, 2060th Mobile Weather Squadron. The weather station at the Control Point was tied into the US Weather Bureau network and received routine reports via teletype. Additional information was obtained from the US Weather Bureau stations at Ely and Las Vegas, Nevada. The rawinsonde sections at Beatty and Caliente were changed to pibal sections on 25 October 1951. The overall strength of the meteorological personnel up until that time had been 90 officer, airmen and civilian; after that date the figure was reduced to 73.

For each of the BUSTER shots a complete consideration had to be given to wind direction at all levels in order to not contaminate close-in inhabited areas, such as the Control Point, Camp 3, Indian Springs, Las Vegas and Beatty. For this reason a true north wind was not desirable, while a wind from 10 to 20 degrees or from 320 to 210 degrees was considered usable. Another consideration was the limited usable heading for the bombing aircraft. Forecast included estimates of winds at surface, 6,000, 8,000, 10,000, 12,000, 14,000, 16,000, 18,000, 20,000, 25,000, 30,000, 40,000 and 45,000 feet MSL and anticipated cloud cover to include stratus, alto-stratus and cirrus clouds as well as precipitation within a radius of 300 miles of the target area. Limitations to visibility in the test area also had to be considered. Winds became the most important factor with accuracy needed to within 5 degrees and 5 knots speed. The forecasting of cloud coverage over the test site was important with accuracy to 1/8 needed, particularly when air operations included the bomber and photographic aircraft. The ideal wind conditions for BUSTER were as follows: The lower winds, from the surface to 18,000 feet MSL should carry the atomic cloud west of the Control Point, Camp 3, Indian Springs and Las Vegas, but south of Beatty. The upper winds, from 18,000 to 30,000 feet MSL should be from west of 310 to 250 degrees in order to Satisfy requirements for heading of the bomb carrying aircraft. These critical requirements - to be forecast from a constantly changing weather situation - made the closest accuracy in forecasting essential. All shots in the BUSTER series were fired on marginal conditions, with

winds on the verge of exceeding the limits above.

After the first forecast on 13 October 1951, forecasts were issued daily for the entire BUSTER series of shots. Weather briefings were given at the Control Point at 0800 PST, 2000 PST and at 2400 PST the day before each shot. In order to comply with this schedule, Dr. Cressman, the Chief Forecaster, produced 24 hour and 48 hour prognostic charts giving forecast weather at shot time.

Weather analysis started at 1000 PST each day and was completed at 1930 PST the same day. The resulting forecast covered the following morning as well as the outlook for the morning after. Minor revisions were accomplished by the personnel on the night shift. Each of the forecasts issued for a shot entailed a marginal condition and required very accurate monitoring in order to assure the Atomic Energy Commission Test Director and his staff that the forecast weather conditions were verifying and that the test could continue as scheduled.

In order to assure that sufficient information was available for 18 hours previous to H-hour, the rawinsonde section at the Control Point was put on a schedule of upper air observations starting at 1300 PST in the day before shot day and continuing until 6 hours after detonation. Pibals were taken at the Control Point at such times as deemed necessary by the Analysis Section. In addition, 4 runs daily were available from the US Weather Bureau stations at Ely and Las Vegas, Nevada.

In order to provide the best possible weather reporting system to the Control Point Weather Station, various communication tie-ups were used. The sections at Tonopah, Beatty, Caliente, Crystal Springs and St. George reported directly by telephone. Currant and Warm Springs reported by radio to Tonopah which in turn relayed the information to the Control Point. Pioche reported by radio to Caliente and the data was transmitted by telephone to the Control Point.

Special forecast were issued to representatives of the Special Weapons Command. This included route weather conditions from Kirtland Air Force Base to the test site. Other types of forecasts were needed by Dr. Everett Cox in connection with blast-wave propagation studies. During the preliminary phase, these forecasts were made by Nellis Air Force Base Weather Station; during the nuclear shots they were made by the analysis section at the Control Point. They were given at 1400 PST and 1900 PST on day before shot day and 2½ hours before shot time. The important factors were inversions and wind data to the highest levels available.

Additional aid to forecasting was provided by a T-33 jet aircraft furnished and operated by Nellis Air Force Base, Nevada. This aircraft made daily flights starting at 1500 PST from Nellis Air Force Base to 40 miles north of Tonopah in order to procure information on cirrus cloud heights and to report any other phenomena encountered. Radio contact on channel "B" was established between the T-33 and the Nevada Test Site weather station in order to relay data obtained dur-

ing the flight.

1.4 RESULTS

The following pages of this report contain the most valuable and usable data gathered during Operation BUSTER to include; Actual weather conditions for each detonation; Wiresonde data taken at Ground Zero; Theodolite measurements on rate of cloud rise; Surface weather observations; Winds aloft data for test area; Pressure-height computations for each detonation. Any additional information of a specific nature, not included in this report, can be obtained by writing to the address listed in the Preface to this report.

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "ABLE"

TIME: 0600 PST DATE: 22 OCT 1951

CLOUD COVER: Clear. Visibility 40 miles.

PRECIPITATION: No precipitation within 300 miles.

HEIGHT GROUND ZERO: 4,169.17 feet MSL. HEIGHT OF BURST: 4,269.17 ft MSL.

PRESSURE:	Ground Zero	874 milibars
	Burst Height	870 milibars
VIRTUAL TEMPERATURE:	Ground Zero	6.1 degrees C
	Burst Height	6.2 degrees C
ACTUAL TEMPERATURE:	Ground Zero	5.8 degrees C
	Burst Height	5.9 degrees C
RELATIVE HUMIDITY:	Ground Zero	22%
	Burst Height	23%
ALTIMETER SETTING:	30.05"	

WINDS: Heights in feet MSL.

Surface	320 degrees	05 knots	12000	320 degrees	25 knots
5000	320	09	14000	320	34
6000	310	15	16000	320	47
7000	310	17	18000	320	48
8000	310	17	20000	320	41
9000	310	18	25000	320	53
10000	300	17			

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "BAKER"

TIME: 0730 PST DATE: 28 OCT 1951

CLOUD COVER: Clear.

PRECIPITATION: Nearest precipitation, scattered showers 550 miles to Northeast.

HEIGHT GROUND ZERO: 4,193.4 ft MSL. HEIGHT OF BURST: 5,311.4 ft MSL

PRESSURE:	Ground Zero	877 milibars
	Burst Height	840 milibars
VIRTUAL TEMPERATURE:	Ground Zero	11.9 degrees C
	Burst Height	10.3 degrees C
ACTUAL TEMPERATURE:	Ground Zero	11.4 degrees C
	Burst Height	9.8 degrees C
RELATIVE HUMIDITY:	Ground Zero	28%
	Burst Height	27%
ALTIMETER SETTING:	30.19"	

WINDS: Heights in feet MSL

Degrees and knots

Surface	320 degrees	09 knots	14000	050 degrees	15 knots
6000	030	20	16000	050	18
8000	050	25	18000	050	22
10000	070	15	20000	050	23
12000	100	12	23000	050	28
			25000	050	38
			30000	060	45
			35000	060	55

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "CHARLIE"

TIME: 0700 PST DATE: 30 OCT 1951

CLOUD COVER: Scattered clouds at 16,000 feet MSL.

PRECIPITATION: Heavy shower activity occured during 30 October over SE edge California, Arizona and New Mexico.

HEIGHT GROUND ZERO: 4,193.4 feet MSL. HEIGHT OF BURST: 5,325.4 ft MSL.

PRESSURE:	Ground Zero	872 milibars
	Burst Height	835 milibars
VIRTUAL TEMPERATURE:	Ground Zero	5.5 degrees C
	Burst Height	11.5 degrees C
ACTUAL TEMPERATURE:	Ground Zero	5.3 degrees C
	Burst Height	11.2 degrees C
RELATIVE HUMIDITY:	Ground Zero	14%
	Burst Height	14%
ALTIMETER SETTING:	30.02"	

WINDS: Height in feet MSL

Degrees and knots

Surface	360 degrees	05 knots	18000	090 degrees	17 knots
6000	290	04	20000	070	21
8000	290	10	23000	060	25
10000	230	05	25000	050	28
12000	130	06	30000	050	30
14000	080	08	35000	060	25
16000	080	10	40000	230	35

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "DOG"

TIME: 0730 PST DATE: 1 NOV 1951

CLOUD COVER: Clear.

PRECIPITATION: No precipitation within 500 miles

HEIGHT GROUND ZERO: 4,193.4 feet MSL. HEIGHT OF BURST: 5,610.4 ft MSL.

PRESSURE:	Ground Zero	876 milibars
	Burst Height	832 milibars
VIRTUAL TEMPERATURE:	Ground Zero	16.5 degrees C
	Burst Height	13.1 degrees C
ACTUAL TEMPERATURE:	Ground Zero	15.5 degrees C
	Burst Height	12.0 degrees C
RELATIVE HUMIDITY:	Ground Zero	43%
	Burst Height	58%
ALTIMETER SETTING:	30.16"	

WINDS: Heights in feet MSL

Degrees and knots

Surface	340 degrees	02 knots	18000	320 degrees	52 knots
6000	320	12	20000	320	55
8000	380	30	23000	320	50
10000	320	32	25000	320	50
12000	320	33	30000	320	63
14000	320	36	35000	320	66
16000	320	42	40000	320	70

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

ACTUAL WEATHER CONDITIONS FOR NUCLEAR DETONATION "EASY"

TIME: 0830 PST DATE: 5 NOV 1951

CLOUD COVER: Clear, few cirrus to SE.

PRECIPITATION: None within 300 miles.

HEIGHT GROUND ZERO: 4,224.0 feet MSL. HEIGHT OF BURST: 5,528.0 ft MSL.

PRESSURE:	Ground Zero	878 milibars
	Burst Height	838 milibars
VIRTUAL TEMPERATURE:	Ground Zero	1.7 degrees C
	Burst Height	8.8 degrees C
ACTUAL TEMPERATURE:	Ground Zero	11.3 degrees C
	Burst Height	8.4 degrees C
RELATIVE HUMIDITY:	Ground Zero	17%
	Burst Height	18%
ALTIMETER SETTING:	30.32"	

WINDS: Heights in feet MSL.

	Degrees and knots				
Surface	020 degrees	13 knots	18000	350 degrees	23 knots
6000	010	25	20000	320	19
8000	020	16	25000	360	33
10000	050	18	28000	350	28
12000	040	22	30000	350	27
14000	010	33	35000	350	35
16000	340	32	40000	340	45
			45000	330	55

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIRESONDE DATA

AHLE SHOT

DATE 22 October 1951 TIME OF SHOT 0600 PST

HEIGHT	TEMPERATURE CENTIGRADE
Surface	3.0
100 Feet	3.5
200 Feet	4.5
300 Feet	6.2
304 Feet	7.1
400 Feet	7.0
600 Feet	7.1
700 Feet	7.4
800 Feet	6.4
900 Feet	6.7
1000 Feet	7.3
1100 Feet	7.3
1400 Feet	6.2

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIRESONDE DATA

BAKER SHOT

DATE 28 October 1951 TIME OF SHOT 0730 PST

HEIGHT	TEMPERATURE CENTIGRADE
Surface	5.0
3 Feet	5.0
91 Feet	4.5
200 Feet	8.5
290 Feet	11.1
390 Feet	11.5
490 Feet	13.0
580 Feet	14.1
660 Feet	16.0
740 Feet	16.1
820 Feet	16.1
920 Feet	16.1
1000 Feet	16.0
1040 Feet	16.0

NOTE: Temperatures above 500 Feet are subject to heating (subtract not more than (2) degrees C. for correction).

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIRESONDE DATA

CHARLIE SHOT

DATE 30 October 1951 TIME OF SHOT 0700 PST

HEIGHT	TEMPERATURE CENTIGRADE
Surface	2.5
100 Feet	8.5
300 Feet	9.5
400 Feet	12.5
500 Feet	14.5
600 Feet	14.5
680 Feet	14.5

NOTE: Temperatures above 500 feet are subject to heating (subtract not more than (2) degrees C. for correction).

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIRESONDE DATA

DOG SHOT

DATE 1 November 1951 TIME OF SHOT 0730 PST

SURFACE TEMPERATURES

TIME	TEMPERATURE CENTIGRADE
0630 PST	10.6
0645 PST	11.5
0652 PST	13.7
0700 PST	14.5
0712 PST	15.0

ALOFT TEMPERATURES

HEIGHT	TEMPERATURE CENTIGRADE
3 Feet	7.0
10 Feet	8.0
100 Feet	11.2
200 Feet	11.5
275 Feet	11.0
255 Feet	11.0

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIRESONDE DATA

EASY SHOT

DATE 5 November 1951 TIME OF SHOT 0830 PST

SURFACE TEMPERATURES

TIME	TEMPERATURE CENTIGRADE
0130 PST	12.5
0230 PST	13.0
0330 PST	13.0
0430 PST	12.0
0530 PST	9.2
0630 PST	9.2
0730 PST	12.1
0800 PST	12.5

OPERATION-BUSTER-ABLE SHOT
DATE 22 October 1951
TIME 0600 PST

THEODOLITE CLOUD RUN
DISTANCE Target to CP 10.2 miles
Elevation Target 4,193.4' above MSL

TIME	ELEVATION ANGLE	HORIZONTAL ANGLE	HEIGHT	AREA OF CLOUD
00:15				Top High
00:30		13.4		"
00:45	01.6	12.6		"
01:00	01.9	11.6		"
01:15	02.2	12.0		"
01:30	02.4	12.0		"
01:45	02.6	12.2		"
02:00	02.9	12.3		"
02:15	03.0	11.4		"
02:30	03.1	11.5		"
02:45	03.2	11.5		"
03:00	03.4	11.8		"
03:30	01.6	10.8		"
04:00	03.8	10.2		"
04:30	04.0	9.6		"
05:00	04.0	9.8		"
05:30	01.9	10.1		"
06:00	04.2	9.0		"
06:30	04.2	8.4		"
07:00	03.0	8.3		L top high
07:30	03.3	10.4		R top high
08:00	04.0	13.4		Top high
09:00	04.0	14.1		"
10:00	04.2	15.5		"
11:00	02.6	14.7		Top bot.
12:00				
13:00	02.4	16.2		Top high
14:00				
15:00	02.4	18.5		"
17:00				
18:00				
20:00	02.5	21.7		"
25:00	02.4	26.1		"
30:00		32.7		"

OPERATION-BUSTER-BAKER SHOT
DATE 28 October 1951
TIME 0720 PST

THEODOLITE CLOUD RUN
DISTANCE Target to CP 10.2 miles
ELEVATION TARGET 4,193.4' above MSL

TIME	ELEVATION ANGLE	HORIZONTAL ANGLE	HEIGHT	AREA OF CLOUD
00:15	06.4	007.8		R. Top
01:00	08.5	007.9		"
01:15	09.4	007.8		"
01:30	10.5	007.1		"
01:45				
02:00	12.0	005.6		"
02:15	12.8	005.2		"
02:30	13.5	006.1		"
02:45	14.1	005.2		"
03:00	14.7	005.2		"
03:15	15.3	005.2		"
03:30	16.0	004.6		"
03:45	16.6	004.5		"
04:00	10.4	004.4		W. Top
04:15	10.2	003.6		"
04:30	18.8	002.7		R. Top
04:45	19.3	002.2		"
05:15	20.4	001.8		"
05:30	20.8	001.5		"
06:00	08.9	003.0		W. Top
06:30	09.0	002.0		"
07:00	12.9	000.7		"
07:30	24.4	357.9		R. Top
08:00	25.3	356.8		"
08:30	26.1	355.4		"
09:00	09.5	356.7		W. Top
09:30	10.4	356.7		"
10:15	06.4	004.6		W. Right Side
10:45	05.4	348.6		W. Left Side
11:30	11.0	353.5		W. Top
12:00	31.0	343.3		R. Top
12:30	05.7	353.1		W. Bot.
13:00	31.9	347.9		R. Top
13:30	06.7	355.6		W. Bot.
14:00	32.7	355.4		R. Top
14:30	04.8	354.7		W. Bot.
15:00	33.3	329.6		R. Top
15:15	07.6	002.9		W. Right Side
15:30	05.7	348.7		W. Bot.
15:45	07.4	330.8		W. Left Side
20:00	29.9	301.7		R. Top
20:15	07.6	001.0		W. Right Side
20:30	06.8	335.7		W. Bot.
20:45	07.0	306.9		W. Left Side

OPERATION-BUSTER-CHARLIE SHOT
DATE 30 October 1951
TIME 0700 PST

THEODOLITE CLOUD RUN
DISTANCE Target to CP 10.2 miles
Elevation Target 4,193.4' above MSL

TIME	ELEVATION ANGLE	HORIZONTAL ANGLE	HEIGHT	AREA OF CLOUD
01:00	13.0	007.2	12670	Top High
01:15	14.3	007.5	13690	"
01:30	16.0	007.4	15740	"
01:45	17.0	007.0	16780	"
02:00	18.4	007.1	18870	"
02:15	19.9	007.1	19980	"
02:30	21.2	006.1	21070	"
02:45	22.3	006.1	22740	"
03:00	23.7	006.0	23870	"
03:15	24.4	005.9	25000	"
03:30	25.4	005.6	26180	"
03:45	26.3	005.3	27370	"
04:00	27.0	004.9	27970	"
04:15	28.0	004.5	29190	"
04:30	28.7	004.5	29800	"
04:45	29.4	004.4	31060	"
05:00	30.0	004.4	31700	"
05:15	30.6	004.4	32340	"
05:30	31.3	004.4	33640	"
06:00	21.9	000.6	22180	Bot. High
06:30	22.9	358.9	23300	"
07:30	23.4	358.3	23870	"
08:00	36.8	358.7	41370	Top High
08:30	29.5	356.9	45250	"
09:00	41.2	357.0	47000	"
09:30	42.1	357.9	48900	"
10:30	34.9	001.7	38440	Top Right
11:00	35.6	341.2	39160	Top Left
11:30	04.8	019.1	4800	Right Low cloud
12:00	15.5	356.8	15220	Left low cloud
13:00	46.5	350.0		Top High
14:00	47.6	350.8		"
15:00	35.4	337.1		Bot. High
16:00	15.5	353.7	15220	Top Middle
17:00	07.3	013.2	7230	Top low cloud
18:00	01.8	015.5		
19:00	44.8	317.2		Top High
20:00	15.2	344.3	20700	Top Middle
21:00	07.1	015.5	6740	Top Low
22:00	02.1	007.7		Top low extreme cloud

OPERATION-BUSTER-DOG SHOT
DATE 1 November 1951
TIME 0730 PST

THEODOLITE CLOUD RUN
DISTANCE Target to CP 10.2 miles
Elevation Target 4,193.4' above MSL

TIME	ELEVATION ANGLE	HORIZONTAL ANGLE	HEIGHT	AREA OF CLOUD
00:30	06.4	005.8	6250	Top high
01:00	14.5	009.4	14200	"
01:15	15.2	011.8	14700	"
01:30	16.8	012.8	16780	"
01:45	18.2	013.7	17840	"
02:00	20.3	016.4	20530	"
02:15	21.8	017.3	22180	"
02:30	23.4	018.6	23870	"
02:45	24.9	020.3	25600	"
03:00	26.0	021.4	26780	"
03:15	28.1	022.8	29190	"
03:30	28.2	025.4	29190	"
03:45	29.2	027.3	30430	"
04:00	30.0	029.4	31700	"
04:15	31.0	031.8	32000	"
04:30	32.2	033.4	34300	"
04:45	33.2	034.4	35650	"
05:00	34.5	036.8	37160	"
05:15	35.1	039.2	38140	"
05:30	35.8	041.2	39880	"
05:45	36.6	044.4	40630	"
06:00	37.2	046.4	41370	"
06:30	10.9	035.4	10670	Top Medium
07:00	25.9	045.5	26780	Bot. high
07:30	09.0	015.2	8670	Top low
08:00	40.8	063.6	46060	Top high
08:30	27.0	058.3	27970	Bot. high
09:00	16.7	053.7	16260	Top med.
09:30	10.4	016.6	10170	Top low
10:00	41.0	083.9	41000	Top high
10:30	25.4	073.1	26190	Bot. high
11:00	17.2	064.7	16780	Top med.
11:30	11.5	022.4	11170	Top low
12:00	03.2	009.8	3500	Top extreme low
13:00	33.7	101.4	36340	Top high
14:00	24.1	104.9	24440	Bot. high
15:00	17.0	074.0	16780	Top med.
16:00	14.8	031.3	14700	Top low
18:00	03.7	008.8	3700	Top extreme low
19:30	18.1	055.0	17840	Top low
20:00	21.5	122.3	21630	Top high
20:30	08.7	086.3	8200	Bot. med.
21:00	21.2	121.6	21070	Top high
21:15	18.0	132.5	17800	Right high
21:30	15.4	117.0	15230	Left high
21:45	15.0	125.0	14700	Bot. high

OPERATION-BUSTER-EASY SHOT
DATE 5 November 1951
TIME 0830 PST

THEODOLITE CLOUD RUN
DISTANCE Target to CP 10.2 miles
Elevation Target 4,193.4' above MSL

TIME	ELEVATION ANGLE	HORIZONTAL ANGLE	HEIGHT	AREA OF CLOUD
00:30				Top high
01:00				"
01:30	19.4	001.7	19440	"
01:45	21.6	007.5	21620	"
02:00	23.8	008.1	24440	"
02:15	2o.3	008.3	27370	"
02:30	28.1	008.8	29190	"
02:45	29.7	010.0	31060	"
03:00	31.6	010.6	33640	"
03:15	33.3	010.3	36340	"
03:30	34.9	010.9	38440	"
03:45	36.5	012.5	40620	"
04:00	37.8	012.4	42890	"
04:15	38.8	013.3	44460	"
04:30	40.0	014.2	46070	"
04:45	41.1	015.0	48000	"
05:00	42.2	015.7	50000	"
05:15	43.6	016.5		"
05:30	44.0	017.3		"
05:45	41.1	018.6		"
06:00	46.6	018.8		"
06:30	31.6	012.8	33640	Bot. high
07:00	35.0	028.4	38440	R high
07:30	45.6	003.6		L high
08:00	54.4	024.2		Top high
08:30	22.7	021.7	22740	Top med.
09:00	14.2	358.1	13680	Top low
09:30	58.7	033.7		Top high
10:00	63.9	033.8		"
10:30	35.0	029.3	38440	Bot. high
11:00	25.8	033.6	26180	Top med.
11:30	68.8	059.8		Top high
12:00	36.6	034.1	40630	Bot. high
13:00	24.2	342.6	24440	Top low
14:00	06.2	014.5	5770	Top extreme low
15:00	72.6	103.0		Top high
15:30	50.0	124.0		R high
16:00	36.2	060.2	39880	L high
16:30	35.8	094.3	39880	Bot. high
17:00	72.8	018.3		Top med.
18:00	19.4	056.7	19440	Bot. R Med.
19:00	11.3	358.3	11170	Top extreme low
20:00	62.6	122.4		Top high
20:30	32.2	137.4	34300	R high
21:00	40.9	074.6	48000	L high
21:30	22.0	111.0	27970	Bot. high

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATIONS - CONTROL POINT
21 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	25 miles	52°F	16°F	26%	25.550	N	22 knots	None
0130		"	25	50	16	26	25.620	NW	12	"
0230		"	30	49	15	26	25.630	N	15	"
0330		"	30	48	16	28	25.640	NW	10	"
0430		"	30	46	18	32	25.680	NNW	7	"
0530		"	30	45	14	29	25.690	NW	13	"
0630		"	35	43	10	26	25.700	NNW	14	"
0730		"	40	44	16	33	25.700	NW	12	"
0830		200	45	49	19	31	25.740	N	20	"
0930		200	45	54	18	25	25.740	NNE	12	"
1030		200	45	55	21	27	25.740	NE	13	"
1130		200	45	57	20	23	25.720	N	3	"
1230		200	45	58	17	20	25.700	N	4	"
1330		200	50	58	16	19	25.690	NNE	5	"
1430		200	50	58	16	18	25.680	NNE	3	"
1530		200	50	58	17	20	25.670	SE	4	"
1630		200	50	55	16	21	25.670	S	5	"
1730		200	50	52	13	21	25.680	S	3	"
1830		Clear	50	52	14	22	25.730	NW	5	"
1930		"	50	51	14	22	25.735	NW	9	"
2030		"	50	50	11	20	25.750	NW	9	"
2130		"	50	50	13	22	25.750	NW	8	"
2230		"	50	45	7	21	25.765	NW	4	"
2330		"	50	46	10	23	25.770	NW	10	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
22 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	40 miles	45°F	14°F	28%	25.780	NW	11 Knots	None
0130		"	40	45	14	28	25.785	NW	10	"
0230		"	40	45	13	26	25.785	NW	15	"
0330		"	40	45	13	28	25.790	NW	10	"
0430		"	40	46	12	25	25.805	NNE	3	"
0530		"	40	37	9	31	25.820	NW	3	"
0630		"	40	40	10	28	25.870	NE	2	"
0730		"	45	47	-2	13	25.880	N	5	"
0830		"	45	53	23	31	25.880	N	4	"
0930		"	45	58	26	30	25.880	ESE	7	"
1030		"	45	60	25	27	25.905	Calm	Calm	"
1130		"	45	62	27	26	25.890	N	4	"
1230		"	45	62	26	25	25.880	W	6	"
1330		"	45	65	21	19	25.870	Calm	Calm	"
1430		"	45	65	20	18	25.860	"	"	"
1530		"	45	63	22	21	25.870	E	4	"
1630		"	45	61	21	21	25.895	Calm	Calm	"
1730		"	45	57	20	23	25.900	"	"	"
1830		"	45	55	21	26	25.920	SW	5	"
1930		"	45	52	17	25	25.920	NNW	3	"
2030		"	45	49	11	22	25.925	Calm	Calm	"
2130		"	45	49	8	19	25.930	N	3	"
2230		"	45	47	13	25	25.940	Calm	Calm	"
2330		"	45	46	14	28	25.950	NW	4	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
23 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	45 miles	44°F	13°F	29%	25.955	NW	4 Knots	None
0130		"	45	40	12	32	25.955	Calm	Calm	"
0230		"	45	42	5	21	25.945	NW	3	"
0330		"	45	38	10	33	25.945	Calm	Calm	"
0430		"	45	34	11	38	25.955	NW	3	"
0530		300	45	33	7	33	25.955	NNE	3	"
0630		300	45	37	24	2[illegible]	25.955	N	3	"
0730		220	45	4[illegible]	14	19	25.955	Calm	Calm	"
0830		220	45	51	10	27	25.935	"	"	"
0930		220	45	57	23	22	25.920	"	"	"
1030		220	45	64	24	24	25.880	SE	10	"
1130		220	45	64	27	20	25.865	ESE	12	"
1230		220	45	66	24	15	25.800	ESE	11	"
1330		220	45	69	19	16	25.770	S	20	"
1430		220	45	68	20	18	25.740	S	17	"
1530		220	45	67	22	17	25.775	SSW	17	"
1630		220	45	64	18	18	25.760	S	15	"
1730		220	45	62	18	21	25.770	S	12	"
1830		Clear	45	60	20	23	25.735	S	7	"
1930		"	45	60	22	21	25.715	SSW	10	"
2030		"	45	61	21	26	25.715	S	16	"
2130		"	45	59	24	24	25.690	S	11	"
2230		"	45	59	22	20	25.690	S	22	"
2330		"	45	60	18	20	25.690	SSW	16	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
27 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	40 miles	43°F	39°F	87%	25.970	N	3 knots	None
0130		"	40	46	36	69	25.970	NW	9	"
0230		"	40	45	37	74	25.980	NW	13	"
0330		"	40	45	36	69	25.980	NW	11	"
0430		"	40	46	34	64	25.995	NW	14	"
0530		"	35	45	35	69	26.000	NW	13	"
0600		140	35	45	35			NW	12	"
0630		140	35	46	34	63	26.015	NW	12	"
0730		80	45	47	34	62	26.025	NW	11	"
0830		Clear	45	51	32	48	26.045	NW	7	"
0930		"	45	54	31	42	26.055	NNE	9	"
1030		"	45	57	33	40	26.050	NE	6	"
1130		"	45	58	32	38	26.050	NE	5	"
1230		"	45	58	34	40	26.030	E	7	"
1330		"	45	60	32	34	26.010	N	3	"
1430		"	45	63	25	24	25.995	N	7	"
1530		"	45	62	26	26	25.980	NNE	10	"
1630		"	45	58	26	29	25.970	NNE	9	"
1730		"	45	55	27	34	25.970	N	3	"
1830		"	45	54	28	37	25.980	Calm	Calm	"
1930		"	45	50	33	52	25.980	NW	3	"
2030		"	45	49	31	49	25.985	NW	7	"
2130		"	45	49	30	47	25.985	NW	9	"
2230		"	45	50	29	44	25.995	NW	7	"
2330		"	45	50	29	44	25.995	NW	9	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
28 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	45 miles	49°F	27°F	43%	25.980	NW	10 knots	None
0130		"	45	48	26	42	25.980	NW	12	"
0230		"	45	47	25	42	25.960	NW	10	"
0330		"	45	48	23	37	25.960	NW	10	"
0430		"	45	47	23	39	25.960	NW	14	"
0530		"	45	47	24	40	25.960	NW	10	"
0600		"	45	47	25			NW	15	"
0630		"	45	48	26	42	25.995	NW	13	"
0700		"	45	49						"
0730		"	45	51	24	35	25.965	NW	9	"
0830		"	45	55	36	49	25.970	NNE	5	"
0930		"	45	60	40	43	25.970	N	4	"
1030		"	45	61	29	30	25.945	NE	13	"
1130		"	45	65	31	28	25.930	NE	9	"
1230		"	45	64	28	26	25.890	ENE	9	"
1330		"	45	65	29	26	25.870	NE	10	"
1430		"	45	65	30	27	25.870	NE	7	"
1530		"	45	66	33	30	25.860	NE	9	"
1630		"	45	62	31	32	25.860	E	6	"
1730		"	45	60	32	35	25.860	Calm	Calm	"
1830		"	45	59	30	33	25.860	"	"	"
1930		"	45	52	31	45	25.860	W	2	"
2030		"	45	49	30	48	25.870	NE	2	"
2130		"	45	45	29	55	25.870	NE	2	"
2230		"	45	43	29	58	25.865	N	2	"
2330		"	45	42	31	65	25.865	NNE	2	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
29 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	40 miles	43°F	31°F	64%	25.860	NNW	2 knots	None
0130		"	40	39	30	69	25.850	N	5	"
0230		"	40	40	30	67	25.840	Calm	Calm	"
0330		"	40	42	31	65	25.840	"	"	"
0430		"	40	39	30	69	25.850	"	"	"
0530		"	40	37	30	75	25.850	"	"	"
0630		"	40	38	29	70	25.860	NW	5	"
0730		"	40	43	36	75	25.870	N	3	"
0830		"	40	50	41	70	25.880	NE	4	"
0930		"	45	56	41	58	25.880	Calm	Calm	"
1030		"	45	60	38	43	25.845	SE	5	"
1130		"	45	62	36	38	25.850	SE	5	"
1230		"	45	65	35	33	25.825	SE	7	"
1330		"	45	65	32	29	25.800	S	6	"
1430		"	45	67	29	24	25.790	SSW	6	"
1530		220	45	65	29	26	25.775	SSW	7	"
1630		220	45	62	27	26	25.780	SSW	7	"
1730		220	45	60	31	33	25.780	S	9	"
1830		220	45	59	28	30	25.780	SSW	8	"
1930		220	45	55	28	35	25.765	Calm	Calm	"
2030		Clear	45	50	28	43	25.780	"	"	"
2130		"	45	49	30	47	25.800	"	"	"
2230		"	45	44	32	61	25.810	WNW	3	"
2330		"	45	42	31	65	25.810	NNE	3	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
30 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	45 miles	45°F	29°F	54%	25.810	ENE	3 knots	None
0130		"	45	45	19	36	25.805	N	3	"
0230		"	45	42	26	53	25.800	NNW	3	"
0330		"	45	40	21	48	25.795	NNW	4	"
0430		"	45	37	25	64	25.790	NNE	5	"
0530		120	45	38	28	66	25.790	NNW	5	"
0600		120	45	38	26			N	3	"
0630		120	45	38	26	61	25.820	N	4	"
0700		Clear	45	42				N	4	"
0730		120	45	40	27	61	25.830	N	4	"
0830		120	45	50	31	47	25.830	Calm	Calm	"
0930		120	40	58	32	37	25.830	N	3	"
1030		120	40	60	33	36	25.835	E	4	"
1130		120	40	63	36	37	25.800	NE	3	"
1230		120	40	66	34	31	25.770	NE	4	"
1330		250	40	68	31	25	25.750	ENE	4	"
1430		150	40	68	27	23	25.750	SSE	8	"
1530		150	40	67	30	25	25.740	Calm	Calm	"
1630		150	40	61	32	34	25.730	SSW	5	"
1730		250	40	61	30	30	25.740	SW	9	"
1830		250	40	58	28	32	25.740	WSW	11	"
1930		250	40	57	28	33	25.775	E	3	"
2030		250	40	53	27	36	25.765	NNE	3	"
2130		250	40	48	27	44	25.770	NW	2	"
2230		120	40	48	28	47	25.785	WNW	3	"
2330		120	40	47	24	39	25.785	S	3	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
31 October 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	40 miles	45°F	24°F	44%	25.795	WNW	3 knots	None
0130		"	40	43	25	48	25.810	NW	3	"
0230		"	40	45	27	50	25.815	NNE	3	"
0330		"	40	40	28	60	25.830	NNE	3	"
0430		"	40	38	25	58	25.840	NW	3	"
0530		"	40	42	25	51	25.855	Calm	Calm	"
0600		"	40	37	25			"	"	"
0630		"	40	35	26	69	25.885	"	"	"
0730		"	40	42	26	53	25.920	NE	3	"
0830		"	40	48	28	44	25.935	NE	4	"
0930		"	45	56	32	39	25.940	ENE	4	"
1030		"	45	59	33	38	25.935	SE	7	"
1130		"	45	63	33	32	25.920	SE	8	"
1230		"	45	64	33	31	25.900	S	9	"
1330		"	45	69	23	18	25.890	SSE	3	"
1430		"	45	69	26	20	25.880	SW	8	"
1530		"	45	67	28	23	25.880	SW	15	"
1630		200	45	64	28	25	25.875	SW	19	"
1730		200	45	61	26	26	25.875	SW	17	"
1830		Clear	45	60	33	36	25.885	SW	17	"
1930		"	45	59	35	41	25.895	SW	16	"
2030		"	45	59	32	35	25.900	SSW	11	"
2130		"	45	55	28	33	25.905	S	3	"
2230		"	45	59	24	26	25.905	SW	8	"
2330		"	45	53	33	48	25.905	SSW	3	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
1 November 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	45 miles	56°F	26°F	30%	25.905	NW	7 knots	None
0130		"	45	51	26	38	25.905	NW	3	"
0230		"	45	51	25	37	25.900	Calm	Calm	"
0330		"	45	52	26	35	25.900	WNW	3	"
0430		"	45	52	26	35	25.905	NNW	2	"
0530		"	45	48	32	53	25.905	WNW	3	"
0600		"	45	50	24			Calm	Calm	"
0630		"	45	49	24	37	25.920	"	"	"
0730		"	45	56	33	42	25.940	NW	3	"
0830		120	45	60	23	25	25.950	NE	5	"
0930		Clear	45	63	29	27	25.960	NE	5	"
1030		"	45	64	32	30	25.995	NE	9	"
1130		"	45	65	31	28	25.945	NNE	10	"
1230		"	45	66	31	27	25.940	NNE	10	"
1330		"	45	66	33	29	25.920	NE	9	"
1430		"	45	67	30	25	25.920	NE	2	"
1530		"	45	64	30	27	25.925	NNE	15	"
1630		"	45	60	20	21	25.995	N	14	"
1730		"	45	56	14	19	25.970	NNW	9	"
1830		"	45	54	10	17	25.990	NW	16	"
1930		"	40	51	4	14	26.015	NW	12	"
2030		"	40	48	2	15	26.045	NW	15	"
2130		"	40	45	4	18	26.060	NNW	12	"
2230		"	40	45	2	16	26.085	NW	8	"
2330		"	35	41	1	18	26.995	S	2	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
2 November 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	35 miles	40°F	4°F	22%	26.120	W	6 knots	None
0130		"	35	40	2	20	26.140	NW	9	"
0230		"	35	39	5	25	26.140	NNW	11	"
0330		"	35	36	2	23	26.135	NW	9	"
0430		"	35	38	8	13	26.150	NW	13	"
0530		"	35	35	12	38	26.150	NW	7	"
0630		"	50	37	24	60	26.170	NW	7	"
0730		"	50	40	16	36	26.180	NW	10	"
0830		"	50	44	13	38	26.170	NW	14	"
0930		"	50	48	13	24	26.170	N	7	"
1030		"	50	51	12	21	26.185	N	5	"
1130		"	50	53	4	14	26.165	NE	7	"
1230		"	50	57	9	14	26.130	E	9	"
1330		"	50	58	13	11	26.110	E	6	"
1430		"	50	58	5	12	26.100	SE	7	"
1530		"	50	56	11	17	26.080	Calm	Calm	"
1630		"	40	52	6	18	26.065	S	6	"
1730		"	40	50	6	16	26.065	SW	6	"
1830		"	40	49	3	15	26.065	SSW	8	"
1930		"	40	47	4	16	26.070	E	4	"
2030		"	40	47	5	18	26.070	W	3	"
2130		"	40	45	2	14	26.080	N	4	"
2230		"	40	42	2	15	26.060	N	2	"
2330		"	40	35	5	16	26.050	NE	4	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
4 November 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	45 miles	47°F	16°F	28%	25.950	NW	3 knots	None
0130		"	45	44	14	30	25.950	Calm	Calm	"
0230		"	45	40	12	32	25.940	"	"	"
0330		"	45	43	11	27	25.940	NNW	6	"
0430		"	45	44	13	28	25.935	Calm	Calm	"
0530		"	45	44	14	29	25.935	"	"	"
0630		"	45	41	16	36	25.935	NW	3	"
0730		"	45	43	20	40	25.935	NW	3	"
0830		"	45	49	23	37	25.940	NE	3	"
0930		"	45	60	25	26	29.935	Calm	Calm	"
1030		"	45	65	29	26	25.940	N	3	"
1130		"	45	66	26	22	25.920	NE	3	"
1230		"	45	70	32	24	25.880	SSE	10	"
1330		"	45	73	34	24	25.865	E	9	"
1430		"	45	73	40	31	25.840	SSE	10	"
1530		220	45	71	47	42	25.830	S	9	"
1630		220	45	70	49	48	25.830	W	13	"
1730		220	45	69	52	55	25.830	W	12	"
1830		220	45	62	44	51	25.820	S	6	"
1930		220	45	61	26	26	25.830	SSE	2	"
2030		220	45	65	36	35	25.830	N	4	"
2130		220	45	63	41	44	25.860	NNW	8	"
2230		220	45	60	35	40	25.865	NNE	9	"
2330		220	45	57	34	43	25.870	NW	11	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
5 November 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		220	45 miles	56°F	28°F	34%	25.890	WNW	9 knots	None
0130		220	45	56	34	43	25.905	NNW	11	"
0230		Clear	45	56	36	46	25.925	NNW	11	"
0330		"	45	52	37	57	25.995	NNW	14	"
0430		"	45	52	41	67	25.990	NNW	14	"
0530		"	45	44	26	49	26.010	NNW	13	"
0600		"	45	48	34			NNW	15	"
0630		"	45	48	25	40	26.020	NNW	14	"
0730		"	45	52	24	35	26.070	N	15	"
0830		"	45	53	23	31	26.080	NNE	13	"
0930		"	45	54	25	32	26.090	NNE	16	"
1030		"	45	57	30	36	26.100	NNE	13	"
1130		"	45	60	30	32	26.080	NNE	6	"
1230		"	45	61	27	27	26.075	NE	10	"
1330		"	45	62	13	15	26.055	ENE	10	"
1430		"	45	63	13	14	26.050	NE	8	"
1530		"	45	62	22	22	26.045	ENE	9	"
1630		"	45	57	14	18	26.050	NE	6	"
1730		"	45	54	23	30	26.050	NW	6	"
1830		"	45	51	24	34	26.050	NW	7	"
1930		"	45	50	24	36	26.055	NW	9	"
2030		"	45	46	27	47	26.060	NNW	3	"
2130		"	45	41	23	49	26.070	N	3	"
2230		"	45	49	34	57	26.070	NW	11	"
2330		"	45	48	27	43	26.070	N	5	"

TOTAL PRECIPITATION FOR PERIOD: NONE

DATA SHEET
OPERATION BUSTER
SURFACE OBSERVATION - CONTROL POINT
6 November 1951

TIME	CEILING	SKY	VISIBILITY	TEMPERATURE	DEW POINT	RELATIVE HUMIDITY	PRESSURE (INCHES)	WIND DIRECTION	WIND SPEED	PRECIPITATION
0030		Clear	45 miles	36°F	11°F	35%	26.070	N	8 knots	None
0130		"	45	47	27	45	26.065	N	6	"
0230		"	45	35	12	38	26.060	NNW	4	"
0330		"	45	35	13	40	26.060	N	3	"
0430		"	45	37	12	36	26.060	N	5	"
0530		"	45	46	24	41	26.065	NW	10	"
0630		"	45	33	14	46	26.080	NW	7	"
0730		"	45	34	11	39	26.080	N	8	"
0830		"	45	44	27	51	26.090	NNE	6	"
0930		"	45	57	37	48	26.090	NNE	5	"
1030		"	45	60	29	31	26.090	N	3	"
1130		"	45	62	22	22	26.100	N	3	"
1230		"	45	63	14	14	26.090	E	7	"
1330		"	45	65	26	23	26.075	SE	7	"
1430		250	45	69	23	18	26.060	E	3	"
1530		250	45	69	23	18	26.020	E	3	"
1630		250	45	68	21	19	26.020	SSW	7	"
1730		250	45	68	24	19	26.020	S	7	"
1830		250	45	54	39	57	26.020	Calm	Calm	"
1930		250	45	52	35	52	26.025	NW	4	"
2030		250	45	48	35	60	26.030	N	3	"
2130		250	45	43	26	52	26.030	N	3	"
2230		250	45	41	19	41	26.020	N	3	"
2330		250	45	39	24	54	26.020	NW	3	"

TOTAL PRECIPITATION FOR PERIOD: NONE

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

PRESSURE-ALTITUDE DATA SHEET
AEC TEST SITE

DATE 28 October 1951 SHOT BAKER

PRESSURE	ALTITUDE(MSL)
877 mb	4193 feet (surface)
849 mb	5000 feet
710 mb	10000 feet
587 mb	15000 feet
479 mb	20000 feet
393 mb	25000 feet
315 mb	30000 feet

SIGNIFICANT PRESSURE	SIGNIFICANT ALTITUDE(MSL)
877 mb	4193 feet (surface)
850 mb	5070 feet
840 mb	5311 feet (burst height)
700 mb	10270 feet
500 mb	18960 feet
300 mb	31000 feet

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

PRESSURE-ALTITUDE DATA SHEET
AEC TEST SITE

DATE 30 October 1951 SHOT CHARLIE

PRESSURE	ALTITUDE(MSL)
872 mb	4193 feet (surface)
840 mb	5000 feet
703 mb	10000 feet
582 mb	15000 feet
478 mb	20000 feet
389 mb	25000 feet
310 mb	30000 feet

SIGNIFICANT PRESSURE	SIGNIFICANT ALTITUDE(MSL)
872 mb	4193 feet (surface)
850 mb	4880 feet
835 mb	5325 feet (burst height)
700 mb	10130 feet
500 mb	18800 feet
400 mb	24190 feet
300 mb	30650 feet

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

PRESSURE-ALTITUDE DATA SHEET
AEC TEST SITE

DATE 1 November 1951 SHOT DOG

PRESSURE	ALTITUDE(MSL)
876 mb	4193 feet (surface)
848 mb	5000 feet
705 mb	10000 feet
585 mb	15000 feet
481 mb	20000 feet
390 mb	25000 feet
313 mb	30000 feet

SIGNIFICANT PRESSURE	SIGNIFICANT ALTITUDE(MSL)
876 mb	4193 feet (surface)
850 mb	4960 feet
832 mb	5610 feet (burst height)
700 mb	10200 feet
500 mb	18870 feet
400 mb	24340 feet
300 mb	30970 feet

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

PRESSURE-ALTITUDE DATA SHEET
AEC TEST SITE

DATE 5 November 1951 SHOT EASY

PRESSURE	ALTITUDE (MSL)
878 mb	4224 feet (surface)
855 mb	5000 feet
707 mb	10000 feet
584 mb	15000 feet
482 mb	20000 feet
395 mb	25000 feet
316 mb	30000 feet

SIGNIFICANT PRESSURE	SIGNIFICANT ALTITUDE (MSL)
878 mb	4224 feet (surface)
850 mb	5140 feet
838 mb	5528 feet (burst height)
700 mb	10330 feet
500 mb	19070 feet
400 mb	24510 feet
300 mb	31170 feet

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 21 October 1951 TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	180°	09
5000	210	20
6000	220	19
7000	250	19
8000	280	20
9000	290	24
10000	280	24
12000	280	26
14000	270	36
15000	280	40
16000	290	45
18000	280	40
20000	290	42
25000	280	50
30000	280	71

DATE 21 October 1951 TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	15
5000	350	19
6000	350	21
7000	340	21
8000	320	22
9000	300	20
10000	290	18
12000	240	22
14000	270	36
15000	280	48
16000	290	53
18000	290	53
20000	290	71
21000	290	82

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 AEC TEST SITE TIME 0700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	23
5000	350	35
6000	340	35
7000	330	32
8000	310	35
9000	290	19
10000	260	20
12000	260	28
14000	270	40
16000	290	47
18000	300	35
20000	300	64
23000	290	72

DATE 21 October 1951 TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	21
5000	350	24
6000	350	31
7000	340	36
8000	300	27
9000	250	21
10000	240	19
12000	250	24
14000	280	33
15000	290	42
16000	280	49

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 AEC TEST SITE TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	10
5000	010	14
6000	010	19
7000	360	23
8000	350	20
9000	330	22
10000	320	20
12000	300	26
14000	300	25
15000	300	37
16000	300	38
18000	300	41
20000	300	39
25000	290	57

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	040	10
7000	020	10
8000	360	08
9000	340	06
10000	310	13
12000	300	29
14000	280	33
15000	270	31
16000	270	30
18000	270	33
20000	280	33
25000	270	44
30000	270	80

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 BEATTY, NEVADA TIME 0001 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	230°	05
6000	240	06
7000	250	07
8000	270	07
9000	260	09
10000	220	14
12000	220	25
14000	220	31
15000	220	31
16000	220	31
18000	200	27
20000	230	33
25000	210	41
30000	210	33
35000	200	40

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	06
4000	330	07
5000	330	11
6000	310	09
7000	280	07
8000	260	09
9000	250	11
10000	260	12
12000	270	18
14000	280	30
15000	290	32
16000	300	40
18000	290	44
20000	290	50
25000	290	54
30000	290	80
35000	290	68
40000	290	62

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 BEATTY, NEVADA TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	13
4000	350	14
5000	350	16
6000	340	15
7000	320	10
8000	280	13
9000	280	13
10000	280	26
12000	310	38
14000	310	44
15000	300	46
16000	290	48
18000	300	56
20000	300	52
25000	290	70
30000	290	96

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	05
4000	350	13
5000	350	19
6000	360	22
7000	350	25
8000	340	31
9000	330	30
10000	310	26
12000	290	30
14000	320	41
15000	320	42
16000	310	47
18000	300	49
20000	300	48
25000	290	70
30000	290	76
35000	300	68
40000	290	70
45000	290	65
50000	290	39

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 BEATTY, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	06
4000	340	10
5000	330	15
6000	340	12
7000	350	11
8000	350	11
9000	350	12
10000	340	18
12000	310	24
14000	290	25
15000	290	25
16000	280	25
18000	280	28
20000	280	35
25000	290	39
30000	280	58
35000	280	74
40000	280	70
45000	280	54
50000	290	53
55000	290	47
60000	290	28
65000	280	33
70000	280	32

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 CALIENTE, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	220°	05
5000	230	08
6000	300	15
7000	300	17
8000	300	16
9000	290	13
10000	260	10
12000	230	22
14000	240	27
15000	250	25
16000	250	25
18000	260	36
20000	270	50
25000	280	74
30000	280	92
35000	280	93
40000	280	123
45000	280	104
50000	280	76
55000	280	148

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	04
5000	030	06
6000	030	18
7000	030	21
8000	350	23
9000	340	28
10000	330	27
12000	300	26
14000	250	27
15000	240	37
16000	240	44
18000	250	49
20000	270	60
25000	270	89
30000	280	105
35000	290	113
40000	290	119
45000	290	61
50000	290	45

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 CALIENTE, NEVADA TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	180°	22
5000	180	23
6000	180	26
7000	180	33
8000	180	34
9000	180	37
10000	180	43
11000	190	48
12000	200	44
13000	220	35
14000	240	25
15000	250	23

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	03
5000	320	04
6000	350	06
7000	020	09
8000	010	11
9000	350	12
10000	340	19
12000	330	22
14000	300	31
15000	300	36
16000	300	40
18000	300	45
20000	300	52
25000	300	66
30000	300	90
35000	280	94
40000	280	84
45000	280	69
50000	280	63
55000	270	49
60000	180	20
65000	260	17
70000	290	43

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 CALIENTE, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	240	03
7000	270	04
8000	300	05
9000	320	07
10000	320	10
12000	290	15
14000	280	28
15000	280	33
16000	280	33
18000	280	34
20000	280	31
25000	210	69
30000	260	58
35000	270	62
40000	270	82
45000	270	68
50000	260	76
55000	260	25
60000	290	62
65000	220	19

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 ST. GEORGE, UTAH TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	200°	05
4000	210	08
5000	210	13
6000	230	16
7000	230	18
8000	230	20
9000	230	22
10000	240	24
11000	250	23
12000	260	21
13000	270	22
14000	270	25
15000	270	30
16000	270	32
17000	270	34
18000	280	36
19000	280	45
20000	280	52
21000	280	50
22000	270	54
23000	280	55
24000	200	56
25000	270	56
26000	270	56
27000	270	61
28000	270	65
29000	280	70
30000	280	84

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 ST GEORGE, UTAH TIME 0600Z

HEIGHT	DIRECTION	SPEED
Surface	200	05
5000	210	15
6000	210	21
7000	220	23
8000	220	24
9000	230	21
10000	240	21
12000	260	27
14000	260	31
15000	270	34
16000	270	32
18000	270	30
20000	280	45
25000	270	51
30000	290	84

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October ST. GEORGE, UTAH TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	050°	04
4000	360	04
5000	300	07
6000	290	10
7000	320	11
8000	340	24
9000	310	24
10000	300	24
11000	270	22
12000	270	17
13000	250	19
14000	250	26
15000	240	30

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	070°	02
4000	090	07
5000	100	09
6000	110	10
7000	110	10
8000	080	06
9000	360	04
10000	350	14
12000	340	24
14000	310	30
15000	310	36
16000	300	42
18000	300	52
20000	300	57
25000	300	70
30000	290	82
32000	290	82

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 ST. GEORGE, UTAH TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	150°	02
4000	180	02
5000	200	04
6000	240	03
7000	270	05
8000	270	09
9000	280	12
10000	280	13
12000	310	09
14000	300	19
15000	290	25
16000	280	33
18000	280	40
20000	280	42
25000	260	47
30000	260	55
32000	260	61

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHZET

DATE 21 October 1951 TONOPAH, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	15
6000	340	19
7000	330	29
8000	330	33
9000	320	34
10000	310	35
12000	270	36
14000	240	39
15000	250	37
16000	260	35
18000	290	52
20000	290	65
25000	290	77
30000	290	103
35000	290	126
40000	290	91
45000	290	121
50000	270	55
55000	250	14
60000	250	13

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	070°	09
6000	050	09
7000	350	10
8000	340	19
9000	340	27
10000	340	28
12000	320	34
14000	300	53
15000	290	55
16000	290	51
18000	300	45
20000	310	70
25000	300	83
30000	300	91
35000	290	116
40000	290	123
45000	290	173
50000	270	35
55000	230	15
60000	220	11

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 TONOPAH, NEVADA TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	04
6000	010	08
7000	340	12
8000	340	16
9000	340	21
10000	340	29
12000	320	39
14000	310	34
15000	320	43
16000	320	56
18000	320	69
20000	310	75
25000	300	88
30000	290	91
35000	300	116
40000	290	125
45000	290	38
50000	280	104
55000	280	44
60000	290	24

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 TONOPAH, NEVADA TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	010°	08
6000	340	12
7000	340	16
8000	330	19
9000	330	21
10000	330	23
12000	300	33
14000	300	37
15000	300	37
16000	300	37
18000	300	42
20000	300	47
25000	300	57
30000	290	69
35000	290	35
40000	290	37
45000	280	39
50000	280	81
55000	290	66
60000	280	23
65000	290	34
70000	300	19

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 21 October 1951 TONOPAH, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	10
6000	340	15
7000	320	17
8000	310	16
9000	310	13
10000	300	17
12000	300	32
14000	290	34
15000	290	35
16000	290	33
18000	290	30
20000	290	37
25000	290	35
30000	280	49
35000	290	97
40000	280	74
45000	280	75
50000	270	61
55000	270	38
60000	270	25
65000	260	17
70000	270	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 AEC TEST SITE TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	360°	04
7000	010	02
8000	160	02
9000	250	02
10000	330	02
12000	330	15
14000	300	26
15000	280	28
16000	280	29

TIME 0400 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	04
5000	010	07
6000	090	05
7000	090	02
8000	090	01
9000	080	01
10000	310	04
12000	310	17
14000	300	25
15000	280	23
16000	280	26
18000	290	28
20000	270	29
23000	260	28

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	04
9000	300	15
10000	270	16
12000	280	14
14000	290	23
15000	290	21
16000	290	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 AEC TEST SITE TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	08
5000	340	15
6000	340	17
7000	330	16
8000	310	13
9000	270	10
10000	260	10
12000	290	16
14000	300	21
15000	300	26
16000	300	26
18000	310	25
20000	310	25
25000	300	38
30000	300	48
35000	300	71

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	07
5000	340	16
6000	330	22
7000	320	23
8000	310	20
9000	290	15
10000	270	13
12000	270	12
14000	290	21
15000	300	17
16000	300	19
18000	320	24

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 AEC TEST SITE TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	18
5000	350	17
6000	330	15
7000	310	15
8000	280	19
9000	260	12
10000	210	13
12000	280	21
14000	300	26
15000	300	26
16000	310	24
18000	300	33
20000	310	32

TIME 1100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	07
5000	330	10
6000	340	11
7000	310	12
8000	280	13
9000	260	13
10000	270	16
12000	290	23
14000	300	28
15000	300	30
16000	300	36
18000	310	46
20000	320	40
25000	320	63
30000	320	73

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 AEC TEST SITE TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	08
5000	320	09
6000	310	15
7000	310	17
8000	310	17
9000	310	18
10000	300	17
12000	320	25
14000	320	34
15000	320	36
16000	320	47
18000	320	48
20000	320	41
23000	320	48

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	270°	06
5000	320	06
6000	320	04
7000	330	03
8000	330	05
9000	320	06
10000	300	06
12000	320	19
14000	320	29
15000	310	33
16000	310	37
18000	310	34
20000	320	50
25000	320	76

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 BEATTY, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	03
4000	360	04
5000	360	10
6000	360	11
7000	360	13
8000	360	10
9000	360	07
10000	340	08
12000	280	13
14000	290	16
15000	290	17
16000	290	19
18000	290	21
20000	300	40
25000	290	40
30000	300	50
35000	280	52
40000	280	49
45000	280	32
50000	280	91
55000	280	37
60000	280	43

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 BEATTY, NEVADA TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	350	12
6000	250	11
7000	330	09
8000	300	04
9000	310	09
10000	310	12
12000	300	08
14000	270	12
15000	290	17
16000	300	20
18000	310	29
20000	320	29
25000	310	48
30000	310	50
35000	290	54
40000	290	40
45000	290	52
50000	290	26
55000	280	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 BEATTY, NEVADA TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	05
4000	360	07
5000	350	10
6000	330	11
7000	330	10
8000	290	07
9000	260	07
10000	300	11
12000	300	19
14000	300	26
15000	310	26
16000	310	28
18000	310	30
20000	310	38
25000	310	54
30000	310	62
35000	300	60
40000	300	58
45000	300	50
50000	290	62
55000	300	34
60000	290	33

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
surface	360°	06
4000	360	06
5000	010	07
6000	360	10
7000	340	20
8000	330	17
9000	310	13
10000	300	15
12000	290	18
14000	300	20
15000	300	27
16000	310	28
18000	290	29
20000	300	28

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 BEATTY, NEVADA TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	05
4000	020	05
5000	010	06
6000	350	15
7000	340	18
8000	300	18
9000	290	21
10000	290	21
12000	310	23
14000	310	62
15000	300	71
16000	310	62
18000	310	22
20000	320	26

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	06
4000	350	09
5000	350	12
6000	350	14
7000	340	17
8000	330	19
9000	330	20
10000	320	23
12000	310	27
14000	320	31
15000	320	32
16000	320	33
18000	320	48
20000	320	42
25000	320	44
30000	310	65
35000	320	63
40000	310	57
45000	280	50
50000	280	35
55000	260	24
60000	280	25
65000	270	17
70000	270	27

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 BEATTY, NEVADA TIME 2200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	08
4000	330	10
5000	320	12
6000	330	12
7000	340	12
8000	340	13
9000	310	16
10000	310	14
12000	320	20
14000	320	24
15000	310	31
16000	310	31
18000	320	34
20000	320	49

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 CALIENTE, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	04
5000	350	08
6000	330	12
7000	340	12
8000	350	12
9000	340	13
10000	320	14
12000	280	14
14000	320	21
15000	320	20
16000	320	17
18000	290	23
20000	290	25
25000	280	32
30000	270	57
35000	270	62
40000	270	81
45000	260	66

TIME 0500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	30
5000	040	03
6000	050	04
7000	010	07
8000	360	09
9000	320	16
10000	330	19
12000	310	20
14000	310	20
15000	310	21
16000	310	20
18000	300	20
20000	280	25
25000	260	29
30000	280	56
35000	270	70
40000	280	62
45000	280	115
50000	270	69
55000	270	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 CALIENTE, NEVADA TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	070°	04
7000	200	04
8000	300	08
9000	310	13
10000	300	17
12000	290	26
14000	290	19
15000	310	21
16000	310	23
18000	290	25
20000	300	28
25000	270	23
30000	290	53
35000	290	69
40000	290	69

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	03
5000	030	03
6000	030	06
7000	360	06
8000	340	08
9000	220	11
10000	210	12
12000	300	16
14000	310	22
15000	300	25
16000	300	26
18000	300	29
20000	280	31
25000	300	28
30000	270	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 CALIENTE, NEVADA TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	"	"
8000	290°	03
9000	300	13
10000	300	18
12000	300	15
14000	290	24
15000	290	26
16000	280	33
18000	270	33
20000	280	54
25000	280	42

TIME 15000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	350	03
7000	300	04
8000	300	09
9000	300	13
10000	310	14
12000	310	22
14000	300	28
15000	300	31
16000	310	36
18000	310	32
20000	310	40
25000	320	64
30000	320	81
35000	320	85
40000	290	56
45000	280	42
50000	260	36
55000	280	43
60000	240	22
65000	280	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 CALIENTE, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	11
5000	290	13
6000	290	10
7000	290	15
8000	290	09
9000	310	10
10000	330	14
12000	320	27
14000	320	33
15000	320	33
16000	320	36
18000	320	39
20000	310	49
25000	310	61
30000	330	82
35000	310	74
40000	310	69
45000	270	57
50000	250	37
55000	280	54
60000	240	29
65000	280	52

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 ST GEORGE, UTAH TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	290°	11
4000	210	13
5000	300	14
6000	310	12
7000	320	10
8000	320	08
9000	320	06
10000	300	06
11000	260	04
12000	270	07
13000	300	17
14000	290	22
15000	290	19
16000	280	19
17000	280	25
18000	280	25
19000	280	29
20000	280	30
21000	280	29
22000	280	28
23000	270	29
24000	270	30
25000	270	30
26000	270	23
27000	280	15
28000	290	13
29000	290	14
30000	290	13
35000	290	12
40000	290	14

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 ST GEORGE, UTAH TIME 0500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	09
4000	320	10
5000	320	10
6000	310	09
7000	290	08
8000	280	09
9000	270	12
10000	270	15
11000	280	17
12000	290	18
13000	290	22
14000	290	26
15000	280	25
16000	280	22
17000	270	22
18000	270	23
19000	270	24
20000	260	29
21000	270	24
22000	270	24
23000	270	21
24000	270	24
25000	270	24
26000	250	26
27000	250	32
28000	260	39
29000	260	45
30000	260	49
32000	250	35

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 22 October 1951 ST GEORGE, UTAH TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	03
4000	340	05
5000	340	09
6000	330	12
7000	320	15
8000	310	17
9000	310	20
10000	310	22
11000	290	23
12000	290	21
13000	290	22
14000	290	27
15000	280	29
16000	280	26
17000	290	25
18000	290	24
19000	290	25
20000	280	21
21000	260	19
22000	250	19
23000	250	21
24000	250	24
25000	250	28
26000	250	30
27000	250	32
28000	250	36
29000	250	38
30000	260	40
32000	260	40

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 AEC TEST SITE TIME 0000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	"	"
8000	"	"
9000	"	"
10000	300°	06
12000	330	24
14000	330	34
15000	320	36
16000	320	34
18000	320	39
20000	320	45
25000	320	44
30000	320	56
35000	320	64
40000	320	72

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	200	04
5000	Calm	Calm
6000	"	"
7000	330	06
8000	340	09
9000	330	11
10000	330	17
12000	320	29
14000	310	22
15000	310	19
16000	310	19
18000	310	26
20000	310	30
25000	300	37
30000	310	57
35000	310	66

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 AEC TEST SITE TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	290°	05
7000	270	06
8000	270	06
9000	330	06
10000	320	10
12000	300	14
14000	310	12
15000	290	15
16000	270	18
18000	270	18
20000	270	23
23000	280	30
25000	290	29
30000	310	37
35000	300	52

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	230°	03
8000	260	03
9000	270	04
10000	260	10
12000	280	11
14000	270	10
15000	260	11
16000	260	16
18000	250	18
20000	270	21
25000	270	31
30000	280	32
35000	300	32
40000	280	68

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 AEC TEST SITE TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	180°	04
8000	190	18
9000	200	18
10000	210	17
12000	220	23
14000	240	17
15000	250	16
16000	250	16
18000	280	14
20000	280	13
25000	250	23
30000	250	38

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	03
5000	190	03
6000	170	04
7000	270	03
8000	260	03
9000	230	03
10000	290	05
12000	290	20
14000	320	33
15000	310	35
16000	310	40
18000	290	35
20000	290	28
25000	300	35
30000	300	25
35000	300	48

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 AEC TEST SITE TIME 2300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	190°	21
5000	190	24
6000	190	25
7000	190	24
8000	190	25
9000	200	27
10000	200	27
12000	220	34
14000	230	34
15000	240	33
16000	250	29
18000	250	28
20000	240	39
25000	250	34
30000	250	29
35000	250	51
40000	260	40
45000	250	69

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 BEATTY, NEVADA TIME 0000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	06
4000	300	05
5000	230	04
6000	230	04
7000	260	05
8000	340	07
9000	010	10
10000	350	12
12000	340	24
14000	330	38
15000	330	40
16000	330	26
18000	340	25
20000	350	17

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	260°	03
4000	260	03
5000	270	05
6000	300	05
7000	330	05
8000	340	06
9000	330	09
10000	310	12
12000	310	19
14000	320	19
15000	320	19
16000	320	19
18000	310	22
20000	300	25
25000	320	30
30000	310	40
35000	310	43
40000	310	52
45000	300	34
50000	290	24
55000	290	31
60000	300	34
65000	300	15
70000	120	49

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 BEATTY, NEVADA TIME 0700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	250	04
4000	230	02
5000	210	02
6000	210	05
7000	210	07
8000	220	11
9000	220	14
10000	240	10
12000	260	21
14000	330	23
15000	330	24
16000	330	25
18000	340	30
20000	340	28

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	"	"
6000	190	10
7000	190	11
8000	190	11
9000	190	11
10000	200	10
12000	240	10
14000	260	13
15000	260	17
16000	260	19
18000	270	24
20000	270	27
25000	270	29
30000	270	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 BEATTY, NEVADA TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	04
4000	010	04
5000	220	09
6000	170	23
7000	170	25
8000	190	24
9000	210	28
10000	210	26
12000	230	17
14000	240	17
15000	240	19
16000	250	19
18000	290	16
20000	260	18
25000	260	30
30000	290	30
35000	264	44
40000	260	42
45000	260	46
50000	260	24
55000	260	24
60000	260	12
65000	260	12
70000	250	04

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 — CALIENTE, NEVADA — TIME 0000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	09
5000	300	09
6000	290	10
7000	290	11
8000	310	10
9000	330	10
10000	340	13
12000	330	21
14000	330	34
15000	320	28
16000	320	28
18000	300	32
20000	310	50
25000	320	29

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	05
5000	330	05
6000	300	06
7000	300	09
8000	310	13
9000	310	16
10000	310	17
12000	340	20
14000	310	25
15000	310	33
16000	320	33
18000	320	34
20000	310	36
25000	320	43
30000	320	61
35000	320	61
40000	310	61
45000	310	60
50000	310	57
55000	290	57
60000	290	55

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 — CALIENTE, NEVADA — TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	03
5000	Calm	Calm
6000	"	"
7000	290	04
8000	300	09
9000	320	09
10000	330	12
12000	320	17
14000	310	21
15000	320	21
16000	300	20
18000	300	25
20000	300	30
25000	300	41

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	050°	03
5000	200	04
6000	230	08
7000	250	13
8000	240	13
9000	250	09
10000	260	13
12000	290	17
14000	290	22
15000	280	22
16000	280	25
18000	280	26
20000	280	35
25000	280	45
30000	290	45
35000	290	61

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 — CALIENTE, NEVADA — TIME 1400 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	180°	06
7000	190	08
8000	200	10
9000	220	10
10000	240	13
12000	250	20
14000	250	22
15000	250	20
16000	250	22
18000	270	23
20000	270	23
25000	270	28
30000	260	39

TIME 1600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	050°	03
5000	090	04
6000	160	09
7000	190	15
8000	210	15
9000	230	14
10000	230	16
12000	240	22
14000	240	21
15000	250	18
16000	260	19
18000	260	21
20000	270	17
25000	260	23
30000	260	39
35000	250	40
40000	270	56
45000	280	52

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 CALIENTE, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	210°	16
5000	200	16
6000	190	18
7000	170	22
8000	180	23
9000	180	24
10000	190	26
12000	220	29
14000	230	23
15000	230	23
16000	230	24
18000	230	28
20000	240	30
25000	240	40
30000	260	46

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 ST. GEORGE, UTAH TIME 0000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	250°	13
4000	250	20
5000	260	16
6000	290	15
7000	300	17
8000	320	17
9000	340	17
10000	340	17
12000	320	25
14000	320	27
15000	310	35
16000	300	36
18000	310	39
20000	320	45
25000	320	54
30000	320	67
35000	310	49
40000	300	71
45000	270	84

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	260°	05
4000	270	11
5000	290	11
6000	300	12
7000	320	16
8000	320	16
9000	320	14
10000	320	10
12000	330	16
14000	320	31
15000	320	33
16000	320	35
18000	320	34
20000	330	40
25000	320	43
30000	310	59
35000	320	83

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 ST. GEORGE, UTAH TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	080°	04
4000	080	05
5000	060	03
6000	360	02
7000	310	04
8000	320	09
9000	330	11
10000	330	14
12000	320	20
14000	330	21
15000	330	19
16000	330	20
18000	310	25
20000	290	26
25000	300	38
30000	320	45

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	03
4000	090	05
5000	090	04
6000	070	02
7000	040	02
8000	010	02
9000	360	05
10000	340	05
12000	310	09
14000	290	14
15000	280	15
16000	290	15
18000	280	25
20000	290	28
25000	290	39

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 ST. GEORGE, UTAH TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	100°	07
4000	100	09
5000	100	10
6000	110	11
7000	120	11
8000	120	11
9000	150	10
10000	180	14
12000	240	10
14000	240	17
15000	250	19
16000	250	17
18000	260	23
20000	270	24
25000	270	30
30000	260	34
35000	260	33
40000	280	54

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	250°	03
4000	310	03
5000	040	04
6000	110	08
7000	150	12
8000	170	14
9000	180	16
10000	190	21
12000	220	28
14000	230	28
15000	230	27
16000	230	26
18000	230	25
20000	240	25
25000	240	36
30000	250	62

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 — TONOPAH, NEVADA — TIME 0000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	13
6000	320	13
7000	310	13
8000	320	15
9000	310	16
10000	310	24
12000	310	30
14000	300	32
15000	300	33
16000	300	34
18000	310	39
20000	310	44

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	07
6000	310	12
7000	310	15
8000	310	14
9000	300	15
10000	300	19
12000	310	25
14000	320	29
15000	320	29
16000	320	25
18000	310	32
20000	310	32
25000	290	39
30000	300	51
35000	310	64
40000	300	65
45000	300	38
50000	290	49
55000	270	43
60000	280	25
65000	280	17
70000	240	26

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 TONOPAH, NEVADA TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	06
6000	320	06
7000	320	05
8000	330	08
9000	060	13
10000	280	13
12000	290	17
14000	310	19
15000	310	20
16000	310	20
18000	300	21
20000	280	23
25000	290	37
30000	300	59

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	09
6000	100	07
7000	190	08
8000	210	14
9000	230	15
10000	260	13
12000	290	13
14000	280	17
15000	270	20
16000	270	20
18000	280	24
20000	280	31
25000	280	36
30000	280	41
35000	290	44
40000	280	59
45000	280	57
50000	270	46
55000	280	46
60000	260	19
65000	260	19
70000	270	12

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 TONOPAH, NEVADA TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	08
6000	150	11
7000	170	21
8000	180	24
9000	190	24
10000	200	24
12000	240	16
14000	260	19
15000	250	23
16000	250	29
18000	260	34
20000	260	37
25000	260	43
30000	260	37
35000	270	57
40000	280	60
45000	270	53
50000	270	45
55000	270	61
60000	250	25
65000	260	36
70000	290	09

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 TONOPAH, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	190	16
6000	190	17
7000	180	19
8000	180	21
9000	190	19
10000	200	18
12000	210	20
14000	250	24
15000	250	31
16000	250	35
18000	240	38
20000	240	40
25000	250	43
30000	260	50
35000	260	59
40000	270	62
45000	260	62
50000	250	51
55000	250	35
60000	260	29
65000	260	25
70000	200	09

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 27 October 1951 AEC TEST SITE TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	230°	03
5000	340	04
6000	360	08
7000	260	11
8000	360	17
9000	020	22
10000	030	22
12000	040	20
14000	020	26
15000	010	27
16000	010	26
18000	360	20
20000	020	25
25000	020	28
30000	030	07
35000	020	15
40000	310	09
45000	330	15
50000	280	06

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	290°	09
5000	340	16
6000	360	19
7000	020	19
8000	040	20
9000	040	22
10000	030	14
12000	010	22
14000	080	04
15000	030	15
16000	010	14
18000	010	14
20000	050	17
25000	070	24
30000	040	43
35000	040	33

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 27 October 1951 TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	10
5000	360	16
6000	020	21
7000	030	23
8000	060	18
9000	050	25
10000	050	29
12000	050	27
14000	030	31
15000	030	37
16000	030	39

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	050°	04
5000	050	07
6000	030	09
7000	020	11
8000	010	13
9000	010	18
10000	010	19
12000	050	35
14000	040	54
15000	050	37
16000	050	35

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 27 October 1951 BEATTY, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	070°	04
4000	020	03
5000	020	03
6000	350	04
7000	330	04
8000	330	03
9000	340	03
10000	350	03
12000	050	05
14000	030	03
15000	010	03
16000	010	04
18000	020	07
20000	020	12

TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	11
4000	360	16
5000	350	19
6000	360	23
7000	360	25
8000	020	20
9000	050	24
10000	050	30
12000	050	21
14000	050	26
15000	030	30
16000	030	36
18000	030	47
20000	030	43
25000	040	49
30000	040	79
35000	040	72

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 27 October 1951 BEATTY, NEVADA TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	03
4000	360	10
5000	350	14
6000	340	18
7000	350	25
8000	340	28
9000	340	23
10000	340	18

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 27 October 1951 — CALIENTE, NEVADA — TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	02
5000	020	03
6000	060	05
7000	110	03
8000	070	04
9000	060	09
10000	350	15
12000	320	34

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	03
5000	340	03
6000	360	03

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	130°	03
5000	140	03
6000	160	03

TIME 2200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	04
5000	020	06
6000	020	09
7000	020	12
8000	030	16
9000	040	23
10000	040	30
12000	040	37
14000	050	45
15000	050	46
16000	050	46
18000	060	43
20000	060	43

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 27 October 1951 ST. GEORGE, UTAH TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	080	02
4000	080	02
5000	030	02
6000	100	02
7000	210	02
8000	360	10
9000	010	17
10000	020	19

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	110	02
4000	060	03
5000	060	06
6000	070	14
7000	070	17
8000	050	14
9000	030	11
10000	040	17
12000	040	27
14000	040	52
15000	040	52
16000	040	42
18000	020	33
20000	010	36
25000	010	26
30000	040	30
35000	050	36
40000	050	70
45000	040	33
50000	290	05
55000	260	36
60000	270	17

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 27 October 1951 ST. GEORGE, UTAH TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	290°	03
5000	340	04
6000	320	06
7000	240	09
8000	260	11
9000	260	12
10000	240	12
12000	220	25
14000	210	46
15000	210	45
16000	220	42

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 27 October 1951

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	10
6000	360	08
7000	010	06
8000	040	04
9000	080	06
10000	080	10
12000	050	18
14000	060	20
15000	070	23
16000	070	23
18000	070	22
20000	070	28
25000	060	36
30000	040	56
35000	030	37
40000	030	37
45000	020	30
50000	320	23
55000	250	13
60000	260	09

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	11
6000	340	13
7000	330	14
8000	290	15
9000	010	18
10000	040	23
12000	040	31
14000	040	37
15000	050	42
16000	050	44
18000	040	53
20000	050	70
25000	050	61
30000	060	65
35000	050	86
40000	050	49
45000	960	15
50000	340	18
55000	330	25
60000	240	09
65000	910	06

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 27 October 1951 TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	19
6000	330	20
7000	330	19
8000	010	15
9000	040	18
10000	050	24
12000	050	35
14000	050	33
15000	050	31
16000	060	36
18000	060	42
20000	060	46
25000	050	50
30000	060	58
35000	070	09
40000	070	49
45000	020	14
50000	320	10
55000	270	06
60000	270	10
65000	270	09
70000	270	08

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 — AEC TEST SITE — TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	03
5000	030	08
6000	020	12
7000	020	15
8000	030	18
9000	040	23
10000	060	28
12000	060	36
14000	060	40
15000	060	42
16000	060	43
18000	060	45
20000	060	50
25000	060	74

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	08
5000	020	12
6000	030	14
7000	040	18
8000	040	23
9000	050	27
10000	060	28
12000	070	33
14000	060	33
15000	060	29
16000	070	26
18000	060	41
20000	060	52

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 28 October 1951 TIME 0700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	12
5000	010	18
6000	030	25
7000	030	26
8000	040	28
9000	050	25
10000	070	32
12000	080	30
14000	070	37
15000	060	38
16000	050	35

TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	13
5000	360	19
6000	030	23
7000	040	22
8000	050	24
9000	050	29
10000	070	29
12000	070	24
14000	060	30
15000	060	33
16000	060	37
18000	060	38
20000	060	39

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 28 October 1951 TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	10
5000	010	19
6000	030	21
7000	040	22
8000	050	26
9000	060	29
10000	070	26
12000	060	25
14000	060	32
15000	060	29
16000	060	29
18000	060	29
20000	050	30

TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	09
5000	360	20
6000	020	24
7000	040	30
8000	060	28
9000	060	23
10000	060	18
12000	070	19
14000	060	24
15000	050	23
16000	060	19
18000	050	27
20000	060	28
25000	050	31
30000	060	60
35000	060	71
40000	070	90

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 28 October 1951 TIME 1800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	06
5000	020	12
6000	040	16
7000	040	20
8000	040	22
9000	040	22
10000	030	17
12000	050	04
14000	080	11
15000	080	11
16000	070	12
18000	060	16
20000	050	23
25000	050	21
30000	050	19

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 BEATTY, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	09
4000	350	15
5000	350	22
6000	360	24
7000	360	22
8000	010	23
9000	030	25
10000	040	31
12000	040	36
14000	440	28
15000	060	31
16000	060	36
18000	060	43
20000	050	49
25000	050	35
30000	050	57

TIME 0545 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	07
4000	040	12
5000	360	18
6000	360	25
7000	360	27
8000	010	27
9000	040	24
10000	060	26
12000	060	31
14000	050	31
15000	050	21
16000	050	28
18000	050	41
20000	060	44
25000	050	45
30000	050	61

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 BEATTY, NEVADA TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	09
4000	010	15
5000	360	22
6000	350	28
7000	010	30
8000	020	26
9000	030	22
10000	050	23
12000	080	20
14000	050	30
15000	050	34
16000	050	33
18000	060	34
20000	060	29

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	13
4000	010	17
5000	360	24
6000	360	25
7000	020	24
8000	030	20
9000	050	19
10000	060	17
12000	050	24
14000	040	28
15000	040	30
16000	050	31
18000	050	33
20000	050	35
25000	050	40
30000	050	50

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 BEATTY, NEVADA TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	06
4000	360	10
5000	010	16
6000	360	23
8000	030	26
9000	030	25
10000	030	21
12000	060	12
14000	260	17
15000	060	24
16000	040	25
18000	050	24
20000	050	28

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	10
4000	360	10
5000	360	15
6000	360	20
7000	020	23
8000	030	23
9000	020	24
10000	020	23
12000	040	06
14000	060	20
15000	060	23
16000	060	21
18000	050	23
20000	040	24
25000	040	39
30000	040	30
35000	050	35
40000	030	23

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 BEATTY, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	"	"
6000	"	"
7000	360°	04
8000	020	10
9000	010	11
10000	010	11
12000	050	05
14000	060	14
15000	060	10
16000	070	11
18000	070	17
20000	070	18
25000	070	15

TIME 2200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	09
4000	350	13
5000	340	14
6000	360	11
7000	360	10
8000	360	12
9000	030	16
10000	040	20
12000	040	32
14000	060	26
15000	070	29
16000	080	30
18000	090	28
20000	090	22

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 BEATTY, NEVADA TIME 2400 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	220°	05
4000	130	06
5000	220	06
6000	290	05
7000	330	06
8000	350	07
9000	350	09
10000	010	12
12000	060	08
14000	050	09
15000	070	11
16000	060	12
18000	080	13
20000	270	08
25000	060	11
30000	080	12
35000	080	16
40000	090	17

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 CALIENTE, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	03
5000	090	04
6000	090	09
7000	050	09
8000	050	17
9000	040	25
10000	040	27
12000	040	34
14000	050	39
15000	050	38
16000	080	37
18000	050	39
20000	050	40
25000	060	50
30000	060	49

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	03
5000	040	03
6000	060	06
7000	050	15
8000	050	22
9000	060	30
10000	060	36
12000	050	39
14000	050	35
15000	050	35
16000	050	40
18000	050	45
20000	040	49

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
CALIENTE, NEVADA

DATE 28 October 1951 TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	03
5000	040	04
6000	040	08
7000	040	15
8000	040	23
9000	050	31
10000	050	33
12000	060	23
14000	060	33
15000	060	31
16000	050	34
18000	070	32
20000	050	32

TIME 1100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	08
5000	030	93
6000	050	05
7000	040	13
8000	040	21
9000	030	17
10000	050	12
12000	070	17
14000	050	19
15000	040	19
16000	040	21
18000	030	21
20000	030	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 — CALIENTE, NEVADA — TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	03
5000	350	05
6000	030	09
7000	030	15
8000	030	22
9000	040	24
10000	050	21
12000	060	20
14000	060	22
15000	060	26
16000	040	23
18000	040	23
20000	030	30

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	010°	05
5000	020	05
6000	060	07
7000	050	11
8000	050	21
9000	050	19
10000	050	12
12000	050	11
14000	050	16
16000	030	16
18000	020	20
20000	030	22
25000	040	20

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 CALIENTE, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	340°	09
8000	340	16
9000	340	16
10000	320	13
12000	320	09
14000	350	13
15000	360	13
16000	350	13
18000	330	17

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 ST. GEORGE, UTAH TIME 0400 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	"	"
6000	"	"
7000	070°	10
8000	070	14
9000	070	18
10000	070	22
12000	060	33

TIME 0500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	210°	02
6000	150	03
7000	070	09
8000	080	13
9000	070	18
10000	070	22
12000	060	31
14000	050	37
15000	050	36
16000	050	39
18000	050	44
20000	050	50
25000	060	64
30000	060	63

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 — ST. GEORGE, UTAH — TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	240°	02
4000	150	02
5000	110	04
6000	090	11
7000	080	15
8000	080	16
9000	080	16
10000	070	17
12000	080	25
14000	070	34
15000	060	36
16000	050	36
18000	050	41
20000	050	47
25000	050	46
30000	060	50
35000	070	82

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	270°	02
4000	090	06
5000	080	10
6000	080	10
7000	080	10
8000	070	10
9000	060	11
10000	070	13
12000	070	21
14000	060	26
15000	050	30
16000	050	34
18000	050	34
20000	050	42
25000	040	40
30000	070	49

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 ST. GEORGE, UTAH TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	060°	03
4000	070	05
5000	060	10
6000	070	14
7000	070	11
8000	070	10
9000	060	09
10000	060	09
12000	070	17
14000	060	20
15000	050	25
16000	040	22
18000	050	26
20000	040	34
25000	050	35
30000	060	34
35000	060	44

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	060°	04
4000	070	05
5000	080	10
6000	080	14
7000	080	15
8000	080	17
9000	060	16
10000	060	15
12000	050	17
14000	060	15
15000	060	15
16000	050	18
18000	040	25
20000	030	29
25000	020	29
30000	040	35
35000	040	32
40000	080	32

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 ST. GEORGE, UTAH TIME 1800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	"	"
6000	090°	09
7000	090	09
8000	080	10
9000	060	10
10000	040	10
12000	050	09
14000	040	12
15000	040	14
16000	030	15
18000	020	13
20000	030	18
25000	030	19
30000	070	14
35000	100	23
40000	040	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 ST. GEORGE, UTAH TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	080°	04
6000	070	05
7000	060	05
8000	060	06
9000	060	10
10000	050	10
12000	360	05
14000	050	07
15000	050	07
16000	020	06
18000	360	03
20000	030	12
25000	360	03
30000	030	07
35000	060	06
40000	010	10
45000	260	26
50000	240	36
55000	250	21
60000	230	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 TONOPAH, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	15
6000	350	16
7000	010	15
8000	030	13
9000	130	12
10000	050	16
12000	050	29
14000	050	31
15000	060	30
16000	060	30
18000	070	37
20000	070	37
25000	050	43
30000	060	41
35000	070	51
40000	060	22
45000	060	22

TIME 0500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	14
6000	360	15
7000	010	05
8000	030	11
9000	060	12
10000	060	15
12000	050	23
14000	050	25
15000	050	26
16000	060	25
18000	070	25
20000	070	31
25000	060	33
30000	070	39
35000	080	41
40000	040	27
45000	230	57

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 TONOPAH, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	03
6000	350	11
7000	360	15
8000	020	13
9000	030	11
10000	050	14
12000	050	20
14000	060	19
15000	060	20
16000	060	21
18000	060	21
20000	060	25
25000	050	29
30000	080	25
35000	080	35
40000	050	22
45000	360	07

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	08
6000	360	10
7000	350	12
8000	010	11
9000	040	10
10000	040	10
12000	070	12
14000	050	17
15000	050	19
16000	050	21
18000	050	22
20000	040	22
25000	040	29

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 23 October 1951 TONOPAH, NEVADA TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	10
6000	010	11
7000	010	11
8000	030	09
9000	050	10
10000	050	11
12000	050	13
14000	050	15
15000	050	17
16000	050	18
18000	050	19
20000	050	27

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	07
6000	360	07
7000	360	09
8000	020	09
9000	030	09
10000	050	09
12000	070	17
14000	060	18
15000	060	18
16000	060	17
18000	040	20
20000	040	22
25000	040	15
30000	080	09
35000	090	20

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 TONOPAH, NEVADA TIME 1700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	03
6000	330	02
7000	340	04
8000	010	07
9000	030	06
10000	040	08
12000	060	12
14000	070	16
15000	070	18
16000	070	19
18000	050	22
20000	040	26
25000	360	15
30000	070	08
35000	090	13
40000	090	15
45000	210	08
50000	240	13
55000	250	20
60000	200	10

TIME 1800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	04
6000	320	04
7000	330	03
8000	340	04
9000	350	05
10000	350	06
12000	060	10
14000	090	08
15000	080	09
16000	080	14
18000	050	22
20000	050	22
25000	030	25
30000	050	01

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 28 October 1951 TONOPAH, NEVADA TIME 0000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	10
6000	300	09
7000	320	06
8000	350	05
9000	010	07
10000	020	15
12000	Calm	Calm
14000	"	"
15000	050	04
16000	060	05
18000	040	04
20000	020	04
25000	360	06
30000	260	03

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 29 October 1951 TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	270°	03
5000	070	06
6000	060	09
7000	050	10
8000	040	10
9000	050	11
10000	060	12
12000	050	09
14000	070	07
15000	070	07
16000	060	07
18000	120	05
20000	170	01
25000	070	04
30000	120	08
35000	140	11
40000	210	13
45000	240	11
50000	230	15
55000	260	21

TIME 0700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	150°	03
5000	280	06
6000	310	13
7000	320	24
8000	320	29
9000	320	29
10000	320	29
12000	330	37
14000	320	42
15000	310	41
16000	300	39
18000	310	40
20000	310	42
25000	310	43

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 29 October 1951 TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	03
5000	030	06
6000	060	06
7000	070	05
8000	060	05
9000	100	06
10000	120	08
12000	130	06
14000	070	06
15000	060	06
16000	050	04
18000	290	03
20000	260	09
25000	190	04
30000	150	09
35000	270	04
40000	230	17
45000	240	26
50000	230	25
55000	250	13
60000	240	08
65000	290	08

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 AEC TEST SITE TIME 1600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	170°	03
7000	190	04
8000	210	05
9000	230	06
10000	240	06
12000	240	07
14000	280	06
15000	290	05
16000	340	04
18000	070	04
20000	060	02
25000	170	02

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 AEC TEST SITE TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	160°	10
5000	180	08
6000	210	09
7000	230	10
8000	250	12
9000	250	11
10000	240	09
12000	230	06
14000	280	10
15000	280	10
16000	270	06
18000	190	10
20000	280	04
25000	040	02
30000	200	10
35000	250	12
40000	250	18
45000	240	26
50000	230	33
55000	240	17
60000	260	18
65000	250	08
70000	280	06

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 BEATTY, NEVADA TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	04
4000	010	05
5000	350	07
6000	340	07
7000	340	05
8000	010	04
9000	020	07
10000	070	12
12000	130	09
14000	110	03
15000	080	05
16000	0"	06
18000	070	04
20000	270	02
25000	260	03

TIME 1700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	010°	03
4000	010	04
5000	060	05
6000	170	01
7000	200	03
8000	150	04
9000	140	05
10000	180	03
12000	220	06
14000	280	05
15000	290	05
16000	280	04
18000	Calm	Calm
20000	"	"

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 BEATTY, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	03
4000	350	03
5000	330	06
6000	330	06
7000	340	03
8000	040	03
9000	060	07
10000	070	09
12000	070	06
14000	140	04
15000	160	03
16000	130	02
18000	010	04
20000	260	02
25000	210	12
30000	210	03
35000	210	03

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
CALIENTE, NEVADA

DATE 29 October 1951 TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	010°	04
5000	040	04
6000	100	04
7000	060	06
8000	040	10
9000	030	10
10000	040	04
12000	050	05
14000	050	04
16000	040	11
18000	040	11
20000	050	16

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	04
5000	030	04
6000	110	03
7000	140	05
8000	180	06
9000	200	08
10000	190	07
12000	200	05
14000	220	05
15000	270	03
16000	310	03
18000	280	08
20000	270	11

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
CALIENTE, NEVADA

DATE 29 October 1951 TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	200	06
8000	200	19
9000	230	12
10000	230	17
12000	230	15
14000	310	12
15000	290	10
16000	270	08
18000	300	08
20000	280	12
25000	260	15
30000	240	17
35000	250	16
40000	240	24
45000	260	29

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 ST. GEORGE, UTAH TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	"	"
6000	100°	03
7000	100	05
8000	100	06
9000	070	06
10000	040	04
12000	020	06
14000	040	10
15000	040	10
16000	010	06
18000	280	07
20000	270	07

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
4000	"	"
5000	"	"
6000	090°	09
7000	090	09
8000	080	10
9000	060	10
10000	040	10
12000	050	09
14000	040	12
15000	040	15
16000	030	15
18000	020	13
20000	030	18
25000	030	19

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 ST. GEORGE, UTAH TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	070°	04
4000	080	05
5000	090	08
6000	100	10
7000	120	10
8000	160	12
9000	200	09
10000	210	12
12000	230	17
14000	220	19
15000	220	19
16000	220	16
18000	240	17
20000	240	08
25000	230	07
30000	240	14

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	220°	02
4000	260	02
5000	260	07
6000	250	11
7000	240	11
8000	230	12
9000	230	16
10000	240	21
12000	250	22
14000	240	16
15000	250	15
16000	260	16
18000	250	14
20000	240	14
25000	250	18
30000	240	19
35000	240	30
40000	240	31
45000	250	39

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 TONOPAH, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	10
6000	320	09
7000	330	06
8000	010	04
9000	070	02
10000	340	02
12000	270	02
14000	030	05
15000	050	05
16000	080	04
18000	070	04
20000	340	08
25000	280	09
30000	300	04
35000	170	03
40000	220	10
45000	250	18
50000	250	16
55000	250	32

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	04
6000	310	04
7000	320	04
8000	300	03
9000	320	01
10000	340	01
12000	310	04
14000	250	03
15000	240	03
16000	270	04
18000	300	16
20000	300	20

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 29 October 1951 TONOPAH, NEVADA TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	04
6000	290	13
7000	260	15
8000	240	14
9000	240	12
10000	240	12
12000	260	18
14000	270	03
15000	280	03
16000	290	05
18000	290	07
20000	300	09
25000	290	14
30000	270	09
35000	270	02
40000	270	08
45000	250	10
50000	260	05
55000	270	06
60000	290	12
65000	270	16
70000	320	08

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 29 October 1951 TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	08
6000	300	07
7000	290	06
8000	260	08
9000	250	11
10000	260	12
12000	280	11
14000	290	16
15000	290	17
16000	300	14
18000	310	12
20000	300	13
25000	340	17
30000	270	07
35000	270	09
40000	270	13
45000	250	27
50000	250	25
55000	260	21
60000	270	14
65000	320	14
70000	320	07

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 29 October 1951 TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	150°	10
6000	170	11
7000	200	12
8000	200	06
9000	270	06
10000	320	10
12000	320	13
14000	290	10
15000	280	11
16000	290	11
18000	290	13
20000	290	14
25000	320	14
30000	310	13
35000	320	15
40000	240	23
45000	260	28
50000	250	29
55000	270	26
60000	280	15
65000	270	12
70000	310	17

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 30 October 1951 TIME 0300Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	210°	05
5000	210	12
6000	210	10
7000	220	07
8000	220	08
9000	220	09
10000	240	07
12000	320	03
14000	290	02
15000	360	02
16000	360	01
18000	320	04
20000	330	02
25000	060	05
30000	020	17

TIME 0600Z

HEIGHT	DIRECTION	SPEED
Surface	240	03
5000	210	05
6000	210	11
7000	220	10
8000	230	09
9000	240	09
10000	260	07
12000	320	04
14000	040	02
15000	070	03
16000	070	03
18000	090	03
20000	090	06
25000	070	13
30000	080	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 30 October 1951 TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	*	*
6000	210	09
7000	200	07
8000	230	05
9000	250	04
10000	250	04
12000	360	02
14000	140	04
15000	130	07
16000	100	09
18000	050	15
20000	030	15
25000	060	17
30000	080	15

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	*	*
6000	210	09
7000	210	10
8000	200	09
9000	230	09
10000	230	09
12000	120	02
14000	160	05
15000	110	06
16000	090	08
18000	070	14
20000	060	18

MERCURY WEATHER STATION
ALC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 30 October 1951 TIME 1100Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	*	*
6000	290	05
7000	240	07
8000	250	06
9000	240	09
10000	230	11
12000	200	05
14000	130	07
15000	110	09
16000	100	10
18000	070	17
20000	070	32

TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	330	05
5000	320	05
6000	280	06
7000	260	07
8000	260	08
9000	250	10
10000	230	11
12000	230	07
14000	160	07
15000	160	04

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 October 1951 — WIND DATA SHEET AEC TEST SITE — TIME 1300Z

HEIGHT	DIRECTION	SPEED
Surface	350	04
5000	330	04
6000	280	05
7000	250	07
8000	240	08
9000	240	11
10000	240	12
12000	200	04
14000	110	04
15000	080	05
16000	100	09
18000	070	14
20000	070	20

TIME 1600Z

HEIGHT	DIRECTION	SPEED
Surface	360	05
5000	340	06
6000	290	04
7000	290	05
8000	290	10
9000	270	11
10000	230	05
12000	130	06
14000	080	08
15000	070	06
16000	080	10
18000	090	17
20000	070	21
25000	050	28

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 30 October 1951 TIME 1800Z

HEIGHT	DIRECTION	SPEED
Surface	310	04
5000	Calm	Calm
6000	"	"
7000	"	"
8000	260	02
9000	270	02
10000	250	04
12000	180	05
14000	100	04
15000	090	08
16000	070	11
18000	050	17
20000	050	14
25000	060	22
30000	050	33
35000	060	27

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	090	05
5000	040	03
6000	020	04
7000	350	04
8000	300	07
9000	280	07
10000	290	04
12000	090	03
14000	070	07
15000	040	09
16000	050	13
18000	060	11
20000	090	09
25000	040	16
30000	030	24
35000	030	17
40000	220	10
45000	220	04
50000	290	15

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 BEATTY, NEVADA TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	020	03
5000	360	04
6000	190	05
7000	240	05
8000	280	06
9000	260	06
10000	320	02
12000	340	04
14000	020	05
15000	020	04
16000	350	05
18000	020	03
20000	050	05
25000	060	09

TIME 0500Z

HEIGHT	DIRECTION	SPEED
Surface	020	06
5000	060	06
6000	180	06
7000	190	13
8000	200	10
9000	280	05
10000	330	04
12000	290	06
14000	330	17
15000	010	17
16000	040	18
18000	060	15
20000	070	10
25000	050	13
30000	020	18
35000	050	19

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 BEATTY, NEVADA TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	360	04
5000	090	03
6000	200	02
7000	210	04
8000	210	03
9000	040	05
10000	040	08
12000	040	06
14000	070	05
15000	080	06
16000	080	06
18000	050	13
20000	050	14

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	020	05
5000	010	05
6000	210	03
7000	250	04
8000	250	04
9000	240	03
10000	210	03
12000	110	06
14000	040	06
15000	040	06
16000	060	17
18000	020	15
20000	050	22

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — BEATTY, NEVADA — TIME 1300Z

HEIGHT	DIRECTION	SPEED
Surface	360	04
5000	030	03
6000	130	03
7000	220	06
8000	250	05
9000	250	04
10000	200	05
12000	190	07
14000	070	18
15000	040	20
16000	020	16
18000	040	24
20000	040	16

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	020	04
5000	360	04
6000	280	04
7000	270	04
8000	330	03
9000	340	05
10000	360	04
12000	030	05
14000	030	09
15000	050	09
16000	070	08
18000	080	16
20000	070	25
25000	040	29
30000	030	38
35000	030	20
40000	030	80

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — BEATTY, NEVADA — TIME 1800Z

HEIGHT	DIRECTION	SPEED
Surface	360	02
5000	360	02
6000	290	02
7000	350	03
8000	010	04
9000	020	05
10000	040	05
12000	050	05
14000	050	11
16000	030	18
18000	030	15
20000	050	21
25000	030	21
30000	020	25
35000	360	05

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	340	02
5000	320	03
6000	300	07
7000	340	11
8000	340	10
9000	340	11
10000	340	11
12000	360	06
14000	070	12
15000	070	16
16000	060	18
18000	030	23
20000	030	23
25000	040	18

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 CALIENTE, NEVADA TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	230	03
5000	220	05
6000	210	11
7000	230	17
8000	260	11
9000	280	12
10000	270	13
12000	250	12
14000	310	16
15000	310	16
16000	290	15
18000	270	15
20000	270	17
25000	240	19

TIME 0600Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	260	10
8000	270	11
9000	300	09
10000	300	08
12000	260	11
14000	260	08
15000	250	04
16000	280	03
18000	320	07
20000	290	09

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — CALIENTE, NEVADA — TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	*	*
6000	*	*
7000	240	09
8000	250	08
9000	280	06
10000	310	08
12000	280	05
14000	240	11
15000	240	06
16000	340	03
18000	360	09
20000	340	05

TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	*	*
6000	020	02
7000	260	03
8000	250	06
9000	240	08
10000	240	06
12000	260	06
14000	330	08
15000	010	08
16000	080	06
18000	070	09
20000	050	13
25000	080	05

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 CALIENTE, NEVADA TIME 150

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	•	•
6000	020	03
7000	330	03
8000	300	06
9000	270	09
10000	260	10
12000	260	09
14000	010	03
15000	080	06
16000	070	04
18000	080	07
20000	080	09
25000	080	10
30000	040	18
35000	340	03
40000	250	11

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 CALIENTE, NEVADA TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	140	03
5000	150	03
6000	180	03
7000	350	03
8000	310	06
9000	300	08
10000	290	09
12000	300	06
14000	330	02
15000	040	03
16000	050	03
18000	020	07
20000	070	05
25000	230	11
30000	140	02
35000	090	06
40000	030	11
45000	270	09
50000	300	18
55000	350	28

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 ST GEORGE, UTAH TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	290	05
6000	240	05
7000	220	07
8000	230	10
9000	240	14
10000	250	17
12000	270	16
14000	270	14
15000	280	15
16000	280	15
18000	260	20
20000	240	20
25000	230	26
30000	250	26
35000	240	32

TIME 0500Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	220	05
6000	220	07
7000	220	11
8000	240	15
9000	260	15
10000	260	15
12000	250	13
14000	270	11
15000	270	12
16000	270	15
18000	260	17
20000	240	19
25000	230	30
30000	240	36
35000	230	44
40000	230	55

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — ST GEORGE, UTAH — TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	090	03
5000	070	03
6000	130	02
7000	260	06
8000	250	14
9000	250	19
10000	240	17
12000	140	18
14000	260	15
15000	280	10
16000	270	10
18000	270	11
20000	260	11
25000	230	36
30000	220	43

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	090	04
5000	090	05
6000	110	03
7000	260	07
8000	250	12
9000	250	10
10000	240	15
12000	250	24
14000	250	10
15000	240	09
16000	210	05
18000	240	02
20000	230	08
25000	220	61
30000	230	77
35000	230	76

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — ST GEORGE, UTAH — TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	100	03
5000	080	05
6000	160	02
7000	220	04
8000	250	11
9000	250	11
10000	250	19
12000	250	17
14000	280	08
15000	230	08
16000	200	10
18000	110	03
20000	200	07
25000	220	36
30000	210	51

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	360	02
5000	080	10
6000	120	09
7000	180	05
8000	230	04
9000	250	13
10000	250	16
12000	260	10
14000	290	06
15000	280	07
16000	240	07
18000	140	08
20000	130	15
25000	230	38
30000	220	52
35000	240	43
40000	220	45
45000	230	47

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 ST GEORGE, UTAH TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	110	02
6000	360	03
7000	320	05
8000	290	05
9000	280	03
10000	280	02
12000	300	02
14000	150	05
15000	090	05
16000	060	05
18000	190	09
20000	190	08
25000	240	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 TONOPAH, NEVADA TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	300	04
6000	300	04
7000	310	03
8000	340	05
9000	340	12
10000	330	15
12000	330	13
14000	350	11
15000	010	10
16000	010	09
18000	360	10
20000	320	10
25000	340	20
30000	330	21
35000	270	17
40000	270	19
45000	260	34
50000	270	31
55000	280	35
60000	300	18

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 TONOPAH, NEVADA TIME 0500Z

HEIGHT	DIRECTION	SPEED
Surface	360	05
6000	Calm	Calm
7000	"	"
8000	"	"
9000	"	"
10000	"	"
12000	350	15
14000	350	10
15000	010	08
16000	040	10
18000	050	16
20000	020	16
25000	360	14
30000	350	08
35000	250	11
40000	270	17
45000	260	31
50000	260	33

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 TONOPAH, NEVADA TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	360	10
6000	330	09
7000	300	09
8000	310	14
9000	330	08
10000	340	08
12000	010	10
14000	040	09
15000	060	08
16000	070	13
18000	050	16
20000	030	26
25000	030	22
30000	360	10
35000	360	21
40000	270	13
45000	270	30
50000	280	29
55000	210	26
60000	300	12
65000	320	22
70000	060	02

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	360	10
6000	040	05
7000	360	02
8000	270	06
9000	290	07
10000	300	06
12000	310	09
14000	310	10
15000	320	09
16000	320	10
18000	340	15
20000	360	22

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — TONOPAH, NEVADA — TIME 1300Z

HEIGHT	DIRECTION	SPEED
Surface	360	11
6000	360	10
7000	340	06
8000	320	10
9000	330	10
10000	320	11
12000	170	03
14000	100	05
15000	060	05
16000	050	08
18000	020	11
20000	020	17
25000	020	45
30000	020	86

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	360	11
6000	360	10
7000	350	09
8000	320	10
9000	310	12
10000	330	08
12000	010	05
14000	070	05
15000	060	08
16000	050	09
18000	360	10
20000	360	16
25000	050	11
30000	020	28
35000	010	37
40000	020	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 30 October 1951

TIME 1600Z

HEIGHT	DIRECTION	SPEED
Surface	290	07
6000	290	09
7000	290	08
8000	320	04
9000	060	02
10000	040	07
12000	010	11
14000	340	15
15000	340	14
16000	340	13
18000	330	18
20000	320	19
25000	300	17
30000	320	19

TIME 1700Z

HEIGHT	DIRECTION	SPEED
Surface	360	07
6000	350	07
7000	340	08
8000	330	15
9000	320	19
10000	300	15
12000	310	05
14000	010	06
15000	010	08
16000	020	07
18000	020	09
20000	360	11
25000	070	07
30000	030	15

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 30 October 1951 — TONOPAH, NEVADA — TIME 1800Z

HEIGHT	DIRECTION	SPEED
Surface	360	03
6000	310	04
7000	290	07
8000	320	16
9000	330	21
10000	320	15
12000	300	04
14000	040	04
15000	030	05
16000	020	04
18000	020	05
20000	360	09
25000	040	06
30000	030	12
35000	340	25
40000	350	30

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	290	07
6000	280	06
7000	290	05
8000	320	06
9000	340	07
10000	350	09
12000	320	08
14000	330	08
15000	330	08
16000	330	08
18000	330	13
20000	320	18
25000	300	10
30000	300	15
35000	310	21
40000	300	31
45000	280	15
50000	320	22
55000	310	13
60000	300	09

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 31 October 1951 TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	270	09
5000	210	06
6000	220	03
7000	320	03
8000	360	08
9000	360	10
10000	010	12
12000	020	13
14000	350	16
15000	350	17
16000	340	16
18000	350	21
20000	350	18
25000	340	20
30000	350	17

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	"	"
6000	330	06
7000	320	08
8000	330	11
9000	360	16
10000	020	14
12000	360	08
14000	350	13
15000	350	18
16000	360	21
18000	350	17
20000	340	22
25000	010	39
30000	360	38
35000	360	62

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 31 October 1951 TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	310	03
6000	280	05
7000	280	05
8000	290	06
9000	280	08
10000	270	10
12000	300	15
14000	320	16
15000	320	20
16000	310	25
18000	340	28
20000	360	28
25000	330	28
30000	340	51
35000	350	38

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	150	06
5000	210	10
6000	250	07
7000	260	06
8000	290	06
9000	310	10
10000	300	17
12000	310	17
14000	340	20
15000	350	21
16000	350	21
18000	330	27
20000	310	30
25000	340	35
30000	330	25
35000	330	35
40000	310	45
45000	310	51

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

DATE 30 October 1951 — WIND DATA SHEET
BEATTY, NEVADA — TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	250	02
6000	280	03
7000	330	10
8000	320	13
9000	340	10
10000	350	09
12000	360	12
14000	340	12
15000	340	13
16000	340	11
18000	340	10
20000	350	10

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	040	03
5000	360	11
6000	340	13
7000	330	12
8000	310	10
9000	300	07
10000	320	06
12000	340	10
14000	320	17
15000	320	17
16000	330	17
18000	330	19
20000	330	17

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 BEATTY, NEVADA TIME 1700

HEIGHT	DIRECTION	SPEED
Surface	340	08
5000	270	12
6000	240	15
7000	220	16
8000	220	16
9000	220	14
10000	200	13
12000	200	14
14000	200	16
15000	210	16
16000	220	20
18000	230	24
20000	250	31

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	250	04
5000	240	04
6000	300	08
7000	310	11
8000	310	15
9000	310	19
10000	310	20
12000	310	19
14000	330	19
15000	330	24
16000	330	27
18000	310	36
20000	300	22
25000	310	36

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
CALIENTE, NEVADA

DATE 31 October 1951

TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	"	"
8000	"	"
9000	"	"
10000	020	11
12000	020	17
14000	020	10
15000	020	08
16000	030	12
18000	020	14
20000	040	12
25000	060	09
30000	060	04

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	340	03
5000	340	03
6000	330	04
7000	310	08
8000	330	10
9000	330	12
10000	330	11
12000	010	10
14000	360	16
15000	350	17
16000	340	18
18000	330	18
20000	330	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 — CALIENTE, NEVADA — TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	040	02
5000	020	03
6000	340	04
7000	320	06
8000	330	08
9000	330	16
10000	320	18
12000	290	20
14000	290	18
15000	300	21
16000	310	22
18000	340	31
20000	340	31
25000	340	28
30000	350	45
35000	340	54

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	290	10
5000	290	13
6000	300	19
7000	310	20
8000	300	19
9000	290	17
10000	290	14
12000	310	18
14000	310	25
15000	320	36
16000	320	45
18000	320	38
20000	320	33
25000	320	37
30000	320	49
35000	320	55
40000	320	66

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 ST. GEORGE, UTAH TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	100	02
5000	350	02
6000	330	04
7000	330	07
8000	360	08
9000	020	06
10000	060	07
12000	040	14
14000	030	15
15000	030	15
16000	020	15
18000	020	16
20000	010	15
25000	300	05
30000	200	17

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	090	03
5000	260	04
6000	310	05
7000	350	08
8000	010	10
9000	020	12
10000	030	16
12000	020	14
14000	010	17
15000	010	23
16000	360	24
18000	340	24
20000	330	22

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 — ST GEORGE, UTAH — TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	030	03
5000	300	03
6000	270	05
7000	270	08
8000	280	11
9000	300	13
10000	310	12
12000	330	19
14000	310	23
15000	320	24
16000	320	27
18000	320	35
20000	320	40
25000	350	38
30000	010	42
35000	360	55
40000	360	45

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	260	09
5000	290	08
6000	300	10
7000	290	16
8000	280	21
9000	300	26
10000	310	30
12000	310	29
14000	300	30
15000	300	34
16000	300	32
18000	320	30
20000	320	43
25000	310	42
30000	320	45
35000	330	39
40000	330	53
45000	320	70

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 — TONOPAH, NEVADA — TIME 0001Z

HEIGHT	DIRECTION	SPEED
Surface	330	06
6000	340	10
7000	340	12
8000	340	09
9000	340	06
10000	350	04
12000	020	04
14000	360	13
15000	350	13
16000	340	12
18000	350	12
20000	350	14

TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	300	13
6000	310	13
7000	320	13
8000	350	08
9000	030	06
10000	050	07
12000	040	12
14000	010	12
15000	350	14
16000	340	19
18000	320	20
20000	340	22
25000	350	25
30000	350	37
35000	350	41
40000	350	27
45000	330	35

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 TONOPAH, NEVADA TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	330	06
6000	340	12
7000	340	15
8000	330	11
9000	330	08
10000	330	08
12000	310	11
14000	330	15
15000	330	18
16000	320	18
18000	320	15
20000	350	19
25000	360	46
30000	360	54
35000	010	61
40000	360	42
45000	360	31
50000	350	19
55000	350	28
60000	350	14
65000	350	19
70000	360	04

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 31 October 1951 TIME 1600Z

HEIGHT	DIRECTION	SPEED
Surface	140	04
6000	230	06
7000	320	12
8000	320	19
9000	320	20
10000	320	21
12000	320	21
14000	330	22
15000	330	23
16000	330	27
18000	340	29
20000	340	36
25000	340	46
30000	340	48
35000	340	62
40000	350	60

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 31 October 1951 TONOPAH, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED
Surface	020	17
6000	340	19
7000	320	18
8000	320	17
9000	320	18
10000	320	19
12000	330	22
14000	320	27
15000	320	27
16000	320	26
18000	310	30
20000	320	35
25000	330	31
30000	340	39
35000	330	52
40000	320	58
45000	320	43
50000	310	35
55000	300	23
60000	320	26
65000	310	18
70000	330	33

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — AEC TEST SITE — TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	220°	09
5000	250	12
6000	280	14
7000	300	16
8000	310	18
9000	310	19
10000	310	20
12000	320	21
14000	330	29
15000	330	32
16000	320	35
18000	320	36
20000	330	34
25000	320	47
30000	310	40

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	240°	07
5000	270	13
6000	300	20
7000	300	23
8000	300	21
9000	300	22
10000	300	26
12000	320	30
14000	340	37
15000	330	39
16000	320	39
18000	300	42
20000	310	46
25000	320	37

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 AEC TEST SITE TIME 0700 Z

HEIGHT	DIRECTION	SPEED(knots)
Surface	150°	03
5000	280	06
6000	310	13
7000	320	24
8000	320	29
9000	320	29
10000	320	29
12000	330	37
14000	320	42
15000	310	41
16000	300	39
18000	310	40
20000	310	42
25000	310	43

TIME 0800Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	130°	09
5000	320	11
6000	320	15
7000	320	23
8000	320	29
9000	320	31
10000	310	30
12000	310	31
14000	310	37
15000	310	40
16000	310	39
18000	310	46
20000	320	42
25000	310	27
30000	320	58

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — AEC TEST SITE — TIME 1100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	04
5000	350	09
6000	340	17
7000	320	26
8000	320	36
9000	320	39
10000	320	36
12000	320	34
14000	300	39
15000	310	43
16000	310	44
18000	320	42
20000	310	43
25000	320	43

TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	330	12
7000	330	20
8000	330	27
9000	330	34
10000	320	33
12000	310	36
14000	300	34
15000	310	48
16000	320	54
18000	320	54
20000	320	70
25000	250	23
30000	320	47

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 AEC TEST SITE TIME 1400 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	320	13
7000	320	20
8000	330	32
9000	330	35
10000	320	34
12000	320	36
14000	320	37
15000	320	38
16000	320	42
18000	320	55
20000	320	58

TIME 1700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	06
5000	360	06
6000	330	09
7000	340	15
8000	350	21
9000	350	17
10000	350	16
12000	320	27
14000	330	35
15000	320	39
16000	320	43
18000	320	46
20000	320	47
25000	330	45

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — AEC TEST SITE — TIME 1800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	15
5000	360	15
6000	350	13
7000	330	09
8000	330	11
9000	310	16
10000	340	23
12000	340	42
14000	340	45
15000	340	43
16000	330	44
18000	330	55
20000	330	66

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	07
5000	020	07
6000	030	09
7000	010	13
8000	350	11
9000	320	10
10000	320	14
12000	340	30
14000	340	41
15000	340	41
16000	330	33
18000	330	55
20000	330	57

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 BEATTY, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	200°	08
5000	240	06
6000	280	07
7000	300	12
8000	310	15
9000	310	22
10000	310	26
12000	310	30
14000	320	32
15000	310	37
16000	310	33
18000	320	25
20000	330	22

TIME 0530 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	010°	04
5000	340	05
6000	330	06
7000	320	13
8000	310	18
9000	300	19
10000	300	18
12000	300	28
14000	320	42
15000	320	40
16000	320	37
18000	310	34
20000	320	22

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 BEATTY, NEVADA TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	04
5000	330	12
6000	330	16
7000	320	19
8000	300	25
9000	320	26
10000	310	26
12000	320	32
14000	320	38
15000	310	38
16000	310	35
18000	310	33
20000	310	40

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	05
5000	330	16
6000	320	20
7000	320	34
8000	310	26
9000	310	26
10000	340	28
12000	300	32
14000	300	39
15000	300	40
16000	310	32
18000	310	35
20000	310	18

MERCURY WEATHER STATION
AEC TEST SITE
LAS VAGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 BEATTY, NEVADA TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	07
5000	340	14
6000	340	13
7000	320	36
8000	320	31
9000	310	24
10000	310	28
12000	300	28
14000	300	27
15000	300	54
16000	300	43
18000	300	58
20000	300	43

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	10
5000	330	28
6000	330	32
7000	330	35
8000	330	35
9000	290	27
10000	290	27
12000	290	38
14000	320	51
15000	320	46
16000	320	40
18000	320	38
20000	320	47
25000	320	47

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 BEATTY, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	10
5000	330	23
6000	330	20
7000	330	16
8000	330	14
9000	330	15
10000	340	24
12000	320	27
14000	320	37
15000	320	39
16000	320	38
18000	320	38
20000	320	35

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — CALIENTE, NEVADA — TIME 0400 Z

HEIGHT	DIRECTION	SPEED (knots)
surface	190°	04
5000	200	06
6000	230	10
7000	260	12
8000	280	16
9000	300	21
10000	300	22
12000	290	29
14000	320	40
15000	320	40
16000	310	38
18000	320	40
20000	310	45

TIME 0700 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	200°	04
5000	220	05
6000	250	07
7000	300	12
8000	310	19
9000	300	22
10000	310	27
12000	320	37
14000	310	40
15000	310	41
16000	300	45
18000	300	48
20000	300	53
25000	320	46

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — CALIENTE, NEVADA — TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	220°	03
5000	240	04
6000	280	07
7000	300	17
8000	310	23
9000	320	29
10000	310	32
12000	320	38
14000	310	39
15000	300	43
16000	300	45
18000	310	49
20000	310	56
25000	320	53

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	140°	07
5000	160	07
6000	250	07
7000	300	17
8000	310	27
9000	310	39
10000	320	40
12000	330	34
14000	320	43
15000	310	51
16000	310	56
18000	310	58
20000	320	53
25000	310	56

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — CALIENTE, NEVADA — TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	02
5000	320	05
6000	340	15
7000	330	30
8000	320	33
9000	320	30
10000	320	30
12000	320	36

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	360°	10
7000	340	14
8000	340	17
9000	330	22
10000	320	27
12000	330	42
14000	330	51
15000	320	56
16000	330	61
18000	320	72
20000	310	84

TIME 1800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	04
5000	320	06
6000	360	08
7000	350	10
8000	320	14
9000	320	17
10000	340	23

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	16
5000	020	19
6000	010	22
7000	360	16
8000	360	14

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — ST GEORGE, UTAH — TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	310°	03
5000	260	04
6000	240	08
7000	260	14
8000	270	21
9000	290	24
10000	300	24
12000	310	22
14000	320	31
15000	310	38
16000	300	43
18000	300	42
20000	300	39
25000	310	53
30000	310	58

TIME 0530 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	04
5000	290	05
6000	270	07
7000	270	17
8000	270	24
9000	280	27
10000	290	28
12000	300	25
14000	310	35
15000	310	41
16000	310	43
18000	310	38
20000	300	37
25000	320	41
30000	330	59
35000	330	68

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — ST GEORGE, UTAH — TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	05
5000	310	06
6000	280	08
7000	270	16
8000	280	03
9000	300	28
10000	300	30
12000	300	33
14000	310	34
15000	310	30
16000	300	30
18000	300	50
20000	310	65
25000	310	40
30000	310	65

TIME 1000Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	05
5000	280	05
6000	270	09
7000	280	16
8000	300	23
9000	310	25
10000	310	27
12000	310	32
14000	320	33
15000	310	34
16000	300	42
18000	310	53
20000	310	54
25000	300	60
30000	320	70

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — ST GEORGE, UTAH — TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	270°	09
5000	270	12
6000	280	14
7000	300	16
8000	310	26
9000	310	34
10000	320	34
12000	330	40
14000	320	36
15000	320	38
16000	320	45
18000	310	49
20000	310	61
25000	300	72
30000	280	88

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	02
5000	300	17
6000	310	19
7000	330	23
8000	330	25
9000	320	28
10000	310	33
12000	310	38
14000	320	48
15000	320	56
16000	330	63
18000	330	76
20000	310	70
25000	310	65
30000	320	82
35000	320	99
40000	310	108
45000	320	106
50000	310	74

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
ST GEORGE, UTAH

DATE 1 November 1951 TIME 1800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	18
5000	340	17
6000	330	17
7000	320	18
8000	320	21
9000	320	23
10000	320	26
12000	330	40
14000	330	65
16000	330	63
18000	320	72
20000	310	76
25000	320	76
30000	320	88
35000	320	88
40000	320	40

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	22
5000	330	31
6000	340	35
7000	340	34
8000	340	32
9000	340	30
10000	340	26
12000	310	32
14000	320	36
15000	330	40
16000	330	42
18000	330	67
20000	330	90
25000	320	91
30000	320	82
35000	320	114
40000	320	89

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 1 November 1951 TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	07
6000	350	16
7000	320	25
8000	320	27
9000	320	27
10000	320	26
12000	320	29
14000	320	34
15000	320	37
16000	320	37
18000	330	38
20000	320	39
25000	320	47
30000	320	46
35000	320	52
40000	320	44
45000	320	52
50000	310	35
55000	310	48
60000	320	36

TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	05
6000	330	16
7000	330	27
8000	330	33
9000	320	28
12000	320	37
14000	320	43
15000	320	38
16000	310	39
18000	310	41
20000	310	44
25000	330	40
30000	330	53
35000	350	55
40000	320	48
45000	330	61
50000	320	42
55000	320	48
60000	280	37

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 — TONOPAH, NEVADA — TIME 0800 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	06
6000	360	11
7000	330	23
8000	330	31
9000	330	31
10000	320	31
12000	330	36
14000	310	41
15000	300	41
16000	340	39
18000	310	46
20000	310	50
25000	310	44
30000	310	56
35000	320	55
40000	330	49
45000	330	40
50000	330	47
55000	330	49
60000	330	63
65000	330	26
70000	330	23

TIME 1100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	13
6000	330	15
7000	330	17
8000	320	21
9000	310	23
10000	310	23
12000	320	25
14000	320	33
15000	330	33
16000	330	37
18000	320	37
20000	330	36

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 1 November 1951 TIME 1200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	330°	17
6000	330	25
7000	330	29
8000	340	30
9000	340	27
10000	330	27

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	19
6000	340	23
7000	320	30
8000	320	31
9000	330	31
10000	340	79
12000	330	37
14000	330	62
15000	330	69
16000	330	67
18000	330	46
20000	330	48
25000	330	56
30000	330	61
35000	320	88

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 TONOPAH. NEVADA TIME 1600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	18
6000	330	22
7000	330	26
8000	330	28
9000	330	29
10000	340	30
12000	330	40
14000	330	47
15000	330	48
16000	330	47
18000	330	50
20000	330	49
25000	330	60
30000	330	77
35000	330	66
40000	330	75
45000	330	57
50000	320	58
55000	330	58
60000	330	32
65000	340	27
70000	340	32

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 1 November 1951 TONOPAH, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	21
6000	320	22
7000	330	21
8000	340	18
9000	360	20
10000	360	28
12000	340	38
14000	330	36
15000	330	39
16000	330	42
18000	340	49
20000	340	49
25000	330	57
30000	330	65
35000	330	62
40000	330	67
45000	330	58
50000	320	62
55000	320	61
60000	320	31
65000	330	33
70000	330	26

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 2 November 1951 TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
10145		

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	03
6000	030	17
7000	030	17
8000	040	11
9000	030	13
10000	010	17
12000	350	25
14000	350	26
15000	350	30
16000	340	35
18000	340	34
20000	330	22

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	09
5000	310	13
6000	050	13
7000	070	10
8000	090	07
9000	060	07
10000	360	16
12000	340	21
14000	330	21
15000	330	21
16000	330	21
18000	320	21
20000	310	24
25000	280	19
30000	320	30
35000	330	33
40000	320	40
45000	280	34

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 2 November 1951 TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	05
5000	Calm	Calm
6000	"	"
7000	310	04
8000	250	03
9000	310	04
10000	330	05
12000	340	17
14000	320	25
15000	300	16
16000	290	14
18000	300	14
20000	280	25
25000	290	24
30000	280	25
35000	280	23
40000	260	28

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 BEATTY, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	10
5000	360	19
6000	350	21
7000	350	30
8000	340	32
9000	330	28
10000	340	30
12000	330	15
14000	330	11
15000	350	15
16000	350	25
18000	330	45
20000	340	52

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	090°	04
5000	290	12
6000	300	13
7000	300	16
8000	290	17
9000	260	16
10000	250	13
12000	260	15
14000	250	22
15000	250	20
16000	270	19
18000	270	36
20000	250	29

MERCURY WEATHER STATION
ABC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 — BEATTY, NEVADA — TIME 1600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	050°	04
5000	020	09
6000	040	06
7000	090	04
8000	090	05
9000	060	04
10000	360	06
12000	350	12
14000	320	19
15000	310	21
16000	310	18
18000	320	24
20000	310	20
25000	270	30

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	160°	03
5000	150	03
6000	090	05
7000	130	04
8000	170	03
9000	200	03
10000	230	06
12000	320	03
14000	010	05
15000	340	11
16000	300	15
18000	300	21
20000	290	26
25000	280	29
30000	290	31
35000	280	25

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 — CALIENTE, NEVADA — TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	010°	09
5000	020	13
6000	030	19
7000	030	24
8000	010	26
9000	360	26
10000	360	26
12000	350	39
14000	340	47
15000	340	51
16000	340	54
18000	340	52
20000	340	45

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	060	12
7000	050	17
8000	030	20
9000	020	23
10000	350	27
12000	350	36
14000	340	43
15000	340	43
16000	340	43
18000	320	47

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET.

DATE 2 November 1951 — CALIENTE, NEVADA — TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	060°	02
5000	070	03
6000	090	06
7000	050	07
8000	360	10
9000	350	17
10000	350	24
12000	350	32
14000	350	30
15000	340	31
16000	340	35
18000	340	32
20000	320	35

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	190°	03
5000	200	03
6000	220	02
7000	280	03
8000	310	05
9000	340	09
10000	340	15
12000	350	14
14000	320	20
15000	320	21
16000	310	24
18000	310	30
20000	310	25
25000	290	27
30000	290	35
35000	280	41
40000	290	51

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 ST GEORGE, UTAH TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	130°	12
5000	130	07
6000	170	04
7000	250	05
8000	340	16
9000	360	29
10000	360	36
12000	340	45
14000	340	53
15000	340	55
16000	340	59
18000	330	60
20000	330	55
25000	330	66
30000	330	71

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	230°	13
5000	140	07
6000	070	06
7000	050	10
8000	040	13
9000	040	21
10000	020	24
12000	350	30
14000	320	29
15000	310	31
16000	310	31
18000	300	36
20000	300	36
25000	290	30
30000	290	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 — ST GEORGE, UTAH — TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	250°	02
5000	010	05
6000	050	05
7000	080	06
8000	090	07
9000	070	08
10000	030	08
12000	360	27
14000	350	41
15000	350	43
16000	350	44
18000	340	50
20000	330	48
25000	350	51
30000	300	50
35000	320	54

TIME 2100 Z

HEIGHT	DIRECTION	SPEED(knots)
Surface	090°	02
5000	120	05
6000	090	04
7000	020	05
8000	330	04
9000	330	05
10000	360	14
12000	360	23
14000	340	23
15000	330	22
16000	330	17
18000	330	23
20000	320	26
25000	290	26
30000	280	39
35000	290	44
40000	300	44

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 2 November 1951 TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	08
6000	350	14
7000	350	16
8000	340	15
9000	340	17
10000	350	21
12000	340	23
14000	350	28
15000	350	37
16000	350	91
18000	350	48
20000	340	51
25000	340	46
30000	330	44
35000	330	57
40000	330	70
45000	320	53
50000	310	53
55000	330	68
60000	340	28
65000	340	24
70000	340	09

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	04
6000	350	12
7000	360	14
8000	330	10
9000	320	12
10000	340	16
12000	350	26
14000	350	36
15000	350	45
16000	350	58
18000	350	73
20000	330	81
25000	330	57
30000	320	59
35000	320	150

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 TONOPAH, NEVADA TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	04
6000	310	02
7000	250	02
8000	180	02
9000	100	02
10000	030	03
12000	350	15
14000	330	20
15000	320	18
16000	320	17
18000	310	23
20000	310	24
25000	280	27
30000	300	29
35000	310	29
40000	310	32
45000	290	42
50000	310	48
55000	330	35
60000	330	35
65000	330	34
70000	330	43

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 2 November 1951 TONOPAH, NEVADA TIME 2200 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	340°	03
6000	270	03
7000	230	04
8000	250	05
9000	280	07
10000	290	07
12000	300	10
14000	300	17
15000	310	19
16000	310	19
18000	310	19
20000	320	23
25000	300	18
30000	280	34
35000	270	39
40000	270	33
45000	270	49
50000	310	43
55000	320	39
60000	320	27
65000	330	33
70000	360	25

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
AEC TEST SITE

DATE 4 November 1951 TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	180	06
5000	220	03
6000	290	02
7000	300	04
8000	350	06
9000	010	10
10000	360	12
12000	350	15
14000	340	17
15000	330	16
16000	340	14
18000	330	14
20000	300	18
25000	300	17
30000	320	20
35000	300	27
40000	320	23
45000	300	39

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	330	03
5000	320	04
6000	310	08
7000	310	10
8000	310	09
9000	300	07
10000	310	06
12000	330	07
14000	350	10
15000	350	10
16000	330	11
18000	310	16
20000	300	17
25000	310	28
30000	280	27
35000	320	25

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 AEC TEST SITE TIME 1600Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	Calm	Calm
6000	330	09
7000	300	06
8000	300	08
9000	310	10
10000	320	12
12000	310	16
14000	310	17
15000	310	15
16000	310	14
18000	300	15
20000	290	18
25000	290	25
30000	290	23
35000	300	12
40000	290	19

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	140	11
5000	210	06
6000	280	05
7000	310	07
8000	310	11
9000	320	12
10000	320	13
12000	310	17
14000	310	21
15000	310	20
16000	320	16
18000	310	23
20000	330	21
25000	320	17
30000	310	31
35000	320	17
40000	310	36

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 BEATTY, NEVADA TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	050	03
5000	180	04
6000	230	03
7000	310	08
8000	330	12
9000	360	12
10000	350	12
12000	020	06
14000	010	07
15000	010	05
16000	360	04
18000	010	05
20000	350	04

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	360	06
5000	360	14
6000	340	17
7000	330	19
8000	310	14
9000	320	10
10000	320	09
12000	320	06
14000	320	11
15000	330	10
16000	330	07
18000	320	07
20000	270	11
25000	350	09

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 BEATTY, NEVADA TIME 1600Z

HEIGHT	DIRECTION	SPEED
Surface	090	09
5000	350	10
6000	340	17
7000	330	15
8000	310	10
9000	310	09
10000	300	10
12000	330	14
14000	310	18
15000	300	16
16000	310	16
18000	310	20
20000	300	13
25000	290	30
30000	280	30

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	160	03
5000	290	01
6000	310	04
7000	330	09
8000	340	13
9000	330	18
10000	320	19
12000	320	16
14000	320	22
15000	320	22
16000	330	23
18000	320	17
20000	300	20
25000	350	15

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 — CALIENTE, NEVADA — TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	360	03
5000	330	03
6000	260	02
7000	310	09
8000	320	06
9000	330	08
10000	340	10
12000	350	20
14000	350	26
15000	350	22
16000	350	20
18000	330	19
20000	310	23
25000	300	34
30000	310	36

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	330	03
5000	290	03
6000	240	03
7000	300	07
8000	310	09
9000	320	13
10000	330	15
12000	330	17
14000	310	19
15000	300	22
16000	300	22
18000	310	24
20000	300	28
25000	290	44

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 — CALIENTE, NEVADA — TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	*	*
6000	320	03
7000	310	08
8000	310	14
9000	310	17
10000	330	18
12000	320	22
14000	310	28
15000	300	28
16000	300	23
18000	300	25
20000	310	25

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	290	13
5000	300	14
6000	320	15
7000	320	13
8000	320	13
9000	330	16
10000	320	24
12000	310	28
14000	310	28
15000	310	28
16000	300	31
18000	310	37
20000	310	42
25000	310	32

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 — ST GEORGE, UTAH — FILE 0300Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	*	*
6000	340	02
7000	040	01
8000	070	02
9000	010	08
10000	010	12
12000	010	13
14000	320	12
15000	330	17
16000	340	21
18000	330	26
20000	320	29

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	070	02
5000	350	02
6000	300	03
7000	320	06
8000	330	07
9000	330	10
10000	340	09
12000	350	12
14000	310	10
15000	310	15
16000	310	20
18000	310	28
20000	300	33

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 — ST GEORGE, UTAH — TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	060	03
5000	070	03
6000	060	03
7000	330	07
8000	320	15
9000	310	18
10000	310	20
12000	310	21
14000	310	25
15000	300	28
16000	300	32
18000	300	28
20000	300	23
25000	300	41
30000	300	43

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	110	02
5000	250	09
6000	260	11
7000	300	20
8000	310	19
9000	320	17
10000	320	21
12000	320	30
14000	300	33
15000	300	32
16000	300	35
18000	310	41
20000	300	40
25000	310	36
30000	310	37
35000	280	31
40000	300	41

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 4 November 1951 TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	320	04
6000	310	10
7000	310	18
8000	320	19
9000	340	16
10000	330	15
12000	330	17
14000	340	19
15000	350	20
16000	350	20
18000	310	33
20000	310	43

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	030	04
6000	360	07
7000	320	11
8000	320	13
9000	320	13
10000	320	12
12000	320	11
14000	310	11
15000	310	15
16000	310	19
18000	310	17
20000	300	23
25000	290	31
30000	290	28
35000	310	26
40000	310	24
45000	300	31
50000	340	31
55000	280	20
60000	320	19
65000	340	12
70000	360	08

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 TONOPAH, NEVADA TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	090	04
6000	360	06
7000	320	09
8000	320	12
9000	320	14
10000	330	19
12000	330	19
14000	330	15
15000	310	15
16000	310	21
18000	310	20
20000	310	18
25000	300	25
30000	310	20
35000	300	21
40000	300	29
45000	320	18
50000	280	35
55000	330	18
60000	300	22
65000	340	17
70000	320	29

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 4 November 1951 TONOPAH, NEVADA TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	320	17
6000	320	18
7000	320	21
8000	320	24
9000	320	23
10000	320	22
12000	320	19
14000	320	25
15000	320	28
16000	330	26
18000	330	31
20000	320	31
25000	320	26
30000	310	30
35000	300	29
40000	300	37
45000	310	32
50000	310	43
55000	310	51

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 AEC TEST SITE TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	320	10
6000	330	12
7000	330	15
8000	330	22
9000	350	21
10000	350	5
12000	340	19
14000	330	25
15000	330	30
16000	330	29
18000	340	19
20000	350	05
25000	360	35
30000	340	32
35000	330	26
40000	330	49
45000	330	62

TIME 0600Z

HEIGHT	DIRECTION	SPEED
Surface	320	08
5000	350	19
6000	350	24
7000	360	23
8000	360	18
9000	350	13
10000	330	10
12000	350	16
14000	320	21
15000	320	31
16000	350	30
18000	350	25
20000	350	18
25000	350	22
30000	340	30

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — AEC TEST SITE — TIME 0700Z

HEIGHT	DIRECTION	SPEED
Surface	340	03
5000	350	15
6000	360	26
7000	360	30
8000	360	32
9000	360	33
10000	350	30
12000	320	16
14000	350	18
15000	350	25
16000	350	31
18000	340	32
20000	340	20
25000	340	15

TIME 0900Z

HEIGHT	DIRECTION	SPEED
Surface	330	09
5000	360	16
6000	010	19
7000	010	20
8000	020	20
9000	020	21
10000	020	25
12000	360	27
14000	350	25
15000	360	27
16000	360	30
18000	330	32
20000	330	29
25000	360	23
30000	340	21

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 AEC TEST SITE TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	320	10
5000	360	19
6000	360	24
7000	360	24
8000	010	23
9000	020	24
10000	020	23
12000	020	29
14000	330	24
15000	340	27
16000	350	32
18000	350	28
20000	350	29

TIME 1100Z

HEIGHT	DIRECTION	SPEED
Surface	320	11
5000	360	19
6000	010	26
7000	010	27
8000	020	29
9000	030	19
10000	030	21
12000	360	26
14000	340	26
15000	340	24
16000	340	25
18000	340	30
20000	350	27
25000	350	33
30000	340	27

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 AEC TEST SITE TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	330	14
5000	360	30
6000	360	36
7000	360	37
8000	010	34
9000	030	24
10000	040	14
12000	010	29
14000	340	27
15000	350	32
16000	360	31
18000	010	22

TIME 1400Z

HEIGHT	DIRECTION	SPEED
Surface	340	11
5000	010	21
6000	010	29
7000	010	31
8000	020	24
9000	030	14
10000	040	13
12000	020	24
14000	360	30
15000	360	28
16000	360	30
18000	340	24
20000	350	22
25000	340	25

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 AEC TEST SITE TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	330	17
5000	360	29
6000	010	39
7000	010	38
8000	030	18
9000	080	04
10000	110	04
12000	030	25
14000	010	42
15000	360	42
16000	350	35
18000	360	18
20000	340	12
25000	350	33
30000	350	25

TIME 1700Z

HEIGHT	DIRECTION	SPEED
Surface	020	09
5000	020	14
6000	010	16
7000	360	16
8000	020	14
9000	040	16
10000	070	19
12000	040	22
15000	360	31
16000	340	30
18000	340	24
20000	310	23
25000	360	33

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 BEATTY, NEVADA TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	360	06
5000	330	26
6000	330	28
7000	330	27
8000	330	24
9000	330	23
10000	330	24
12000	330	26
14000	330	36
15000	330	30
16000	350	08
18000	030	09
20000	010	18

TIME 0530Z

HEIGHT	DIRECTION	SPEED
Surface	040	08
5000	320	27
6000	330	27
7000	330	29
8000	340	27
9000	330	24
10000	320	23
12000	320	18
14000	330	26
15000	340	24
16000	350	21
18000	360	17
20000	340	16
25000	350	22
30000	340	20

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
BEATTY, NEVADA

DATE 5 November 1951

TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	360	05
5000	340	21
6000	340	25
7000	350	26
8000	350	30
9000	360	36
10000	360	40
12000	350	17
14000	350	24
15000	350	19
16000	350	16
18000	350	18
20000	360	15

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	030	07
5000	280	28
6000	340	38
7000	340	42
8000	350	38
9000	360	36
10000	010	36
12000	360	32
14000	320	21
15000	350	18
16000	350	24
18000	350	29
20000	340	11

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 BEATTY, NEVADA TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	090	08
5000	350	29
6000	350	32
7000	350	34
8000	350	30
9000	350	26
10000	010	25
12000	340	18
14000	340	20
15000	350	22
16000	350	16
18000	330	18
20000	350	19
25000	320	10

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	360	05
5000	360	24
6000	350	27
7000	340	37
8000	350	36
9000	360	36
10000	030	24
12000	020	17
14000	340	24
15000	350	26
16000	350	26
18000	360	33
20000	350	26
25000	320	12

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 BEATTY, NEVADA TIME 2200Z

HEIGHT	DIRECTION	SPEED
Surface	030	05
5000	010	08
6000	010	07
7000	030	05
8000	060	07
9000	040	06
10000	020	05
12000	350	10
14000	360	17
15000	360	08
16000	[illegible]	07
18000	[illegible]	08
20000	360	09

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — CALIENTE, NEVADA — TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	Calm	Calm
6000	330	12
7000	330	19
8000	330	24
9000	320	27
10000	320	28
12000	330	30
14000	320	45
15000	330	52
16000	330	52
18000	320	39
20000	320	36

TIME 0600Z

HEIGHT	DIRECTION	SPEED
Surface	040	04
5000	020	08
6000	340	17
7000	330	21
8000	330	22
9000	340	25
10000	350	28
12000	360	37
14000	360	53
15000	340	51
16000	320	55
18000	320	58
20000	320	50
25000	330	70

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — CALIENTE, NEVADA — TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	320	03
5000	340	09
6000	360	18
7000	350	25
8000	340	20
9000	340	20
10000	340	22
12000	360	38
14000	340	51
15000	330	51
16000	330	49
18000	340	47
20000	340	52

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	330	04
5000	340	17
6000	010	25
7000	360	21
8000	350	22
9000	340	23
10000	340	26
12000	340	28
14000	340	56
15000	340	56
16000	340	51
18000	340	60
20000	340	59

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — CALIENTE, NEVADA — TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	010	07
5000	010	12
6000	010	21
7000	010	22
8000	360	22
9000	360	25
10000	360	35
12000	350	48
14000	340	53
15000	350	54
16000	350	52
18000	350	52
20000	330	51

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	050	09
5000	040	13
6000	020	25
7000	030	28
8000	030	26
9000	030	30
10000	030	41
12000	020	49
14000	340	46
15000	340	49
16000	340	53
18000	330	49
20000	330	52
25000	330	56
30000	320	47
35000	350	62

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — CALIENTE, NEVADA — TIME 1800Z

HEIGHT	DIRECTION	SPEED
Surface	020	09
5000	010	11
6000	360	14
7000	350	12
8000	040	14
9000	050	30
10000	040	37
12000	020	36
14000	010	36
16000	010	32

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	030	11
5000	030	13
6000	030	17
7000	030	19
8000	030	19
9000	030	20
10000	030	19
12000	020	26

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — ST GEORGE, UTAH — TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	340	02
5000	310	07
6000	300	14
7000	300	23
8000	310	27
9000	320	26
10000	330	24
12000	330	26
14000	330	35
15000	330	30
16000	310	24
18000	320	32
20000	310	27
25000	340	43
30000	330	73

TIME 0530Z

HEIGHT	DIRECTION	SPEED
Surface	Calm	Calm
5000	320	07
6000	320	14
7000	310	19
8000	320	24
9000	330	27
10000	320	29
12000	320	29
14000	320	37
15000	320	36
16000	330	36
18000	310	35
20000	310	36
25000	340	57
30000	310	49
35000	280	42

'MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — ST GEORGE, UTAH — TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	320	04
5000	340	21
6000	350	23
7000	350	23
8000	340	20
9000	330	18
10000	320	19
12000	320	19
14000	330	48
15000	320	48
16000	320	48
18000	320	47
20000	330	50
25000	330	41
30000	320	59

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	270	05
5000	290	15
6000	330	16
7000	350	17
8000	340	18
9000	330	26
10000	330	24
12000	340	36
14000	320	53
15000	310	54
16000	320	59
18000	340	66
20000	340	50
25000	320	53
30000	330	31

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — ST GEORGE, UTAH — TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	270	10
5000	250	06
6000	250	05
7000	300	08
8000	340	13
9000	350	23
10000	350	33
12000	350	46
14000	340	54
15000	340	56
16000	340	55
18000	330	53
20000	320	54
25000	330	62
30000	320	64

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	070	04
5000	130	04
6000	170	04
7000	170	05
8000	140	07
9000	110	10
10000	070	16
12000	020	40
14000	350	59
15000	340	56
16000	330	56
18000	330	58
20000	330	51
25000	330	61
30000	330	64
35000	340	59
40000	310	62
45000	340	82
50000	300	56

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — ST GEORGE, UT/H — TIME 1800Z

HEIGHT	DIRECTION	SPEED
Surface	220	06
5000	160	03
6000	090	05
7000	050	15
8000	040	25
9000	040	30
10000	040	36
12000	030	40
14000	360	50
15000	340	49
16000	340	51
18000	340	52
20000	330	49
25000	320	55
30000	330	55
35000	350	61

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	190	02
5000	170	03
6000	230	02
7000	300	02
8000	350	06
9000	010	10
10000	030	15
12000	040	30
14000	010	35
15000	360	41
16000	350	46
18000	340	45
20000	330	48
25000	330	50
30000	330	50
35000	340	59

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 TONOPAH, NEVADA TIME 0300Z

HEIGHT	DIRECTION	SPEED
Surface	300	16
6000	320	22
7000	330	24
8000	340	23
9000	340	24
10000	340	28
12000	340	29
14000	330	26
15000	340	27
16000	350	27
18000	340	21
20000	340	20
25000	350	34
30000	340	34
35000	300	28
40000	320	48
45000	300	41
50000	310	36
55000	290	26
60000	330	20

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 TONOPAH, NEVADA TIME 0600Z

HEIGHT	DIRECTION	SPEED
Surface	300	16
6000	320	19
7000	340	23
8000	360	18
9000	010	17
10000	010	18
12000	350	23
14000	340	31
15000	340	33
16000	340	32
18000	320	24
20000	320	25
25000	350	34
30000	340	32
35000	330	35
40000	330	54
45000	300	40
50000	300	35
55000	300	25

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 TONOPAH, NEVADA TIME 0800Z

HEIGHT	DIRECTION	SPEED
Surface	330	17
6000	330	17
7000	340	17
8000	350	21
9000	010	19
10000	010	18
12000	010	21
14000	360	29
15000	340	33
16000	340	35
18000	340	35
20000	330	34
25000	340	39
30000	330	33
35000	340	44
40000	330	61
45000	310	55
50000	290	32
55000	300	35

TIME 1000Z

HEIGHT	DIRECTION	SPEED
Surface	360	07
6000	340	13
7000	330	23
8000	340	23
9000	360	18
10000	010	19
12000	020	32
14000	360	37
15000	360	39
16000	360	33
18000	360	30
20000	350	28

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — TONOPAH, NEVADA — TIME 1200Z

HEIGHT	DIRECTION	SPEED
Surface	350	05
6000	350	17
7000	350	20
8000	340	21
9000	340	18
10000	010	26
12000	020	33
14000	350	45
15000	340	42
16000	340	38
18000	340	41
20000	340	41
25000	340	43

TIME 1500Z

HEIGHT	DIRECTION	SPEED
Surface	030	08
6000	010	12
7000	360	17
8000	350	15
9000	350	09
10000	020	07
12000	030	26
14000	010	35
15000	360	35
16000	360	34
18000	350	29
20000	320	26
25000	330	33
30000	350	36
35000	340	27

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 5 November 1951 — TONOPAH, NEVADA — TIME 1800Z

HEIGHT	DIRECTION	SPEED
Surface	040	07
6000	020	08
7000	010	08
8000	020	08
9000	040	09
10000	050	10
12000	010	17
14000	340	23
15000	350	24
16000	350	25
18000	350	25
20000	330	28
25000	350	24

TIME 2100Z

HEIGHT	DIRECTION	SPEED
Surface	150	06
6000	100	05
7000	050	03
8000	010	03
9000	010	03
10000	360	03
12000	350	07
14000	330	18
15000	330	20
16000	320	22
18000	320	36
20000	330	29
25000	330	22
30000	330	22
35000	330	23
40000	340	37
45000	320	41
50000	320	48
55000	270	17
60000	340	21
65000	360	12
70000	060	10

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 AEC TEST SITE TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	320°	07
5000	360	06
6000	010	05
7000	360	07
8000	340	13
9000	310	14
10000	330	12
12000	330	15
14000	310	14
15000	310	13
16000	310	15
18000	320	13

TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	07
5000	010	06
6000	040	05
7000	080	06
8000	080	07
9000	050	07
10000	010	08
12000	330	10
14000	360	13
15000	360	15
16000	350	14
18000	340	16
20000	320	14
25000	300	12
30000	250	12
35000	250	10
40000	280	07

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 BEATTY, NEVADA TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	310°	03
6000	310	03
7000	300	03
8000	310	03
9000	310	03
10000	320	03
12000	320	03
14000	320	03
15000	320	03
16000	320	03
18000	320	03
20000	330	02
25000	330	02

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	05
5000	020	14
6000	020	10
7000	020	07
8000	040	06
9000	030	02
10000	350	04
12000	340	05
14000	330	10
15000	330	13
16000	340	16
18000	340	22
20000	320	18
25000	310	11

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 BEATTY, NEVADA TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	040°	04
5000	030	10
6000	070	05
7000	130	05
8000	120	08
9000	120	09
10000	070	04
12000	310	04
14000	320	09
15000	330	10
16000	340	12
18000	350	12
20000	340	14

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	180°	03
5000	180	04
6000	160	05
7000	140	06
8000	150	05
9000	180	04
10000	250	03
12000	340	04
14000	070	03
15000	090	05
16000	040	12
18000	300	10
20000	320	08

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
CALIENTE, NEVADA

DATE 6 November 1951 TIME 0001 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	050°	03
5000	050	04
6000	050	08
7000	020	06
8000	350	08
9000	010	13
10000	010	20
12000	350	31
14000	340	35
15000	340	37
16000	320	37
18000	320	31
20000	320	30
25000	320	33

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	350°	03
5000	350	04
6000	350	07
7000	040	03
8000	360	09
9000	010	13
10000	010	15
12000	350	25
14000	350	30
15000	350	34
16000	340	38
18000	340	38
20000	340	33
25000	340	33

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 — CALIENTE, NEVADA — TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	020°	04
5000	070	03
6000	190	03
7000	200	14
8000	200	20
9000	200	21
10000	200	20
12000	210	17
14000	230	23
15000	220	26
16000	220	28
18000	220	29
20000	230	25
25000	260	22

TIME 1000 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	030°	04
5000	040	03
6000	050	03
7000	060	05
8000	030	07
9000	010	12
10000	360	16
12000	340	22
14000	350	32
15000	350	33
16000	350	29
18000	340	25
20000	330	26

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 — CALIENTE, NEVADA — TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	070	03
7000	080	04
8000	060	04
9000	060	03
10000	060	05
12000	030	13
14000	360	32
15000	360	28
16000	350	30
18000	360	27
20000	350	28
25000	320	32
30000	300	24

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360	02
5000	010	02
6000	030	20
7000	050	03
8000	070	03
9000	060	03
10000	010	04
12000	330	11
14000	340	10
15000	340	15
16000	340	18
18000	330	20
20000	320	20
25000	290	26

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 — ST GEORGE, UTAH — TIME 0001 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	100°	06
5000	070	02
6000	010	02
7000	330	06
8000	340	06
9000	340	07
10000	040	18
12000	010	27
14000	010	33
15000	360	36
16000	350	37
18000	340	47
20000	320	43
25000	330	38
30000	330	45
35000	340	47
40000	330	49

TIME 0300 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	360°	10
7000	030	11
8000	130	10
9000	020	10
10000	020	16
12000	010	26
14000	360	27
15000	350	35
16000	350	38
18000	320	29
20000	330	30
25000	340	35
30000	340	70
35000	340	115

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 — ST GEORGE, UTAH — TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	220°	02
5000	230	04
6000	330	04
7000	050	06
8000	050	04
9000	030	03
10000	010	11
12000	350	25
14000	350	33
15000	350	36
16000	350	33
18000	340	26
20000	340	30
25000	330	30
30000	320	27

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	170°	02
5000	180	02
6000	310	04
7000	050	10
8000	030	10
9000	020	06
10000	020	12
12000	350	24
14000	340	27
15000	340	30
16000	340	33
18000	330	29
20000	340	22
25000	320	23

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 — ST GEORGE, UTAH — TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	080°	03
5000	100	07
6000	100	10
7000	080	12
8000	060	15
9000	040	15
10000	020	15
12000	360	24
14000	360	26
15000	360	28
16000	360	26
18000	350	22
20000	330	25
25000	320	21
30000	300	28
35000	290	29
40000	320	29

TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	120	05
7000	110	06
8000	080	05
9000	040	04
10000	010	10
12000	010	16
14000	010	17
15000	360	19
16000	350	22
18000	350	22
20000	340	21
25000	330	24
30000	300	20
35000	290	28
40000	270	23
45000	270	28
50000	270	31

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET
TONOPAH, NEVADA

DATE 6 November 1951 TIME 0001 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	110°	06
6000	120	06
7000	110	06
8000	070	05
9000	030	07
10000	340	07
12000	320	11
14000	340	17
15000	340	22
16000	340	23
18000	330	24
20000	320	31
25000	330	34

TIME 0400 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	300°	04
6000	140	04
7000	140	05
8000	150	07
9000	020	02
10000	020	07
12000	330	10
14000	330	10
15000	330	24
16000	330	22
18000	340	31
20000	330	20
25000	340	20
30000	290	19
35000	300	19

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 TONOPAH, NEVADA TIME 0600 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	10
6000	090	11
7000	080	13
8000	100	14
9000	110	08
10000	220	06
12000	020	04
14000	340	11
15000	330	15
16000	310	18
18000	330	18
20000	340	29
25000	340	40
30000	330	27

TIME 0900 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	06
6000	Calm	Calm
7000	"	"
8000	190	05
9000	240	05
10000	290	06
12000	330	09
14000	350	16
15000	350	19
16000	350	21
18000	330	18
20000	310	16
25000	300	12
30000	270	23
35000	290	23
40000	310	26
45000	300	34
50000	290	23
55000	300	17
60000	350	13
65000	360	19
70000	Calm	Calm

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 TONOPAH, NEVADA TIME 1500 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	360°	05
6000	230	03
7000	140	02
8000	190	03
9000	260	03
10000	300	05
12000	310	10
14000	320	11
15000	320	13
16000	320	15
18000	310	18
20000	300	18
25000	290	16
30000	280	22
35000	270	18
40000	270	18
45000	260	24
50000	290	21
55000	280	23
60000	280	08
65000	060	06

MERCURY WEATHER STATION
AEC TEST SITE
LAS VEGAS, NEVADA

WIND DATA SHEET

DATE 6 November 1951 TONOPAH, NEVADA TIME 2100 Z

HEIGHT	DIRECTION	SPEED (knots)
Surface	Calm	Calm
5000	"	"
6000	"	"
7000	"	"
8000	"	"
9000	"	"
10000	310	03
12000	280	09
14000	280	15
15000	290	14
16000	290	11
18000	320	07
20000	320	07
25000	280	17
30000	270	12
35000	220	19
40000	230	25
45000	250	40
50000	280	21
55000	280	10
60000	300	18
65000	220	05
70000	050	02

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