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AEROLOGICAL REPORT ON OPERATION CROSSROADS.

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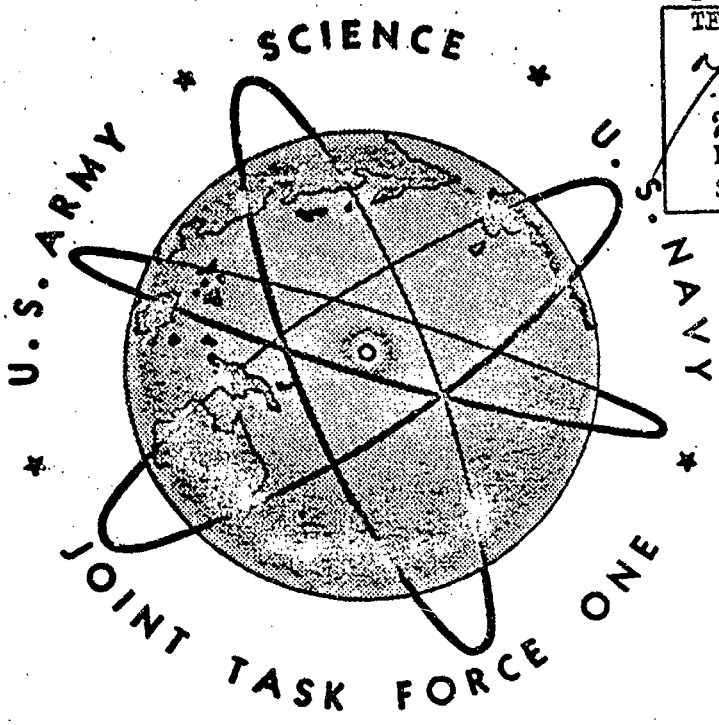
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Section I

THE FORECASTING PROBLEM

INTRODUCTION

This is a review of 4 months of forecasting experience for the Marshall Islands in connection with the CROSSROADS Operation. It is not intended to be a manual on typical forecasting. However, it is an accurate description of meteorological phenomena during April, May, June, and July, 1946, in the Marshalls and the material contained is a consensus of Army and Navy officers associated with the operation.

It attempts to explain the forecasting methods employed in CROSSROADS, something of their success, and the difficulties encountered.

GENERAL APPROACH TO TROPICAL FORECASTING IN THE MARSHALL ISLANDS

A tropical forecaster, the same as a forecaster anywhere else, should keep in mind the basic fact that clouds are the fundamental indices of all weather phenomena. With the knowledge that clouds are caused by cooling air to its saturation point, and logically deducing which of the several cooling processes are likely to occur in his region, the forecaster can construct charts showing the relationships of these processes from which he will be able to forecast cloud amounts, types, and orientations or "operational weather."

In the Marshall Islands the air mass cooling and cloud formation were nearly always the result of processes causing air mass lifting. By far the most important of these was streamline or airflow convergence. Thermal convection was present but, acting alone, it did not produce more than scattered fair weather cumulus with bases near 2,000 feet. The huge ocean surface and the insignificant land mass prevented a high maximum temperature. Otherwise thermal convection might have been important. The daily range of temperature was consistently 9° to 11° F. Whether or not advection of warmer or colder air occurred was never clearly established. Some evidence favored its existence. Temperature readings from the radiosonde reports were not conclusive, due to inherent instrumental error or to the sparse radiosonde network. Orographical and frontal lifting which are so important in air mass lifting and cloud formation in many parts of the world were absent in the Marshalls. The elevations of the islands are too low to be effective. Fronts with air mass density discontinuities and other properties associated with them in higher latitudes did not reach the Marshalls as such. Some analysts entered shear lines through the Marshall area which were believed to result from cold fronts having pushed into the tropics. More will be said about shear lines in the section Forecasting Techniques. It may be stated without question that shear lines do not produce a frontal lift. However, airflow convergence along the shear can cause lifting and cloud formation. Radiation is a cooling process which does occur, but its magnitude was not determinable. It is fairly certain that radiation was not a major factor in producing the clouds that were associated with general poor weather conditions, although it might have been the cause of diurnal fluctuations in amounts of clouds such as a maximum of low clouds near daybreak.

In the absence of any marked convergence or lifting processes, the moisture vapor and clouds over the Marshall Islands were concentrated in the lowest 6,000 to 8,000 feet of the atmosphere. During periods of strong *divergence* the top of the moist layer was as low as 4,000 feet. Little variation was found in the moisture content in the lower 4,000 feet which was expected since the air has a trajectory over a water surface for several thousand miles before reaching the Marshalls.

The task of preparing forecasts for operations required not only the construction of charts which would show directly or indirectly the weather-producing processes, but also their application for forecasting cloud types, amounts, and heights, winds and temperatures to 60,000 feet, height of the tropopause, and pressure-altitudes. Toward these ends, a total of 19 surface, horizontal upper air, vertical upper air, and climatological charts were prepared. Each chart is discussed individually in a section devoted entirely to that purpose. Analysis of the charts established the existence of 7 meteorological entities useful for forecasting in the Marshalls. Each of these is described under the section Forecasting Techniques.

Westerly Polar Troughs

During April, May, and early June, 1946, westerly polar troughs were noted to pass over the Marshall Islands on an average of once a week. From their origin in the low pressure systems of the middle and high latitudes, the troughs trailed generally southward aloft above the easterly trade winds in the tropical latitudes. Their line of orientation above the Marshalls was NE-SW, and their eastward rate of movement averaged about 8° per day (480 miles). Farther north the trough line moved faster as did the low so that it was impossible to tell which of the high latitude low centers was associated with a trough over the Marshalls. Sometimes it appeared that the subtropical high cell was so intense that the segments of a westerly polar trough were blocked and dissipated in that region, while the segments farther south persisted and moved eastward. The region of the Marshalls and eastward apparently was the scene of a weakening or dissipation of several of the troughs observed.

As the summer season progressed, the occurrence and intensity of westerly polar troughs decreased, until in late June and July their occurrence over the Marshalls was no longer noted.

Indices found best suited for identifying and locating the westerly polar troughs were a low level of the westerly winds and bad weather. A trough could be expected to lower the base of the westerlies to 12,000 to 20,000 feet.

The bad weather caused by the westerly troughs moved from west to east, although to an observer on the ground it appeared to move in the opposite direction due to the low clouds and rain being driven to the westward by the easterly trade winds. A normal cloud pattern for the approach of a trough was one with towering cumulus, heavy middle cloudiness, and cirrus. The low and middle cloud forms demonstrated by their vertical development that the greatest instability lay in the region from the center of the trough line eastward. Once the trough line had passed a station and the winds above the base of the westerlies had shifted to the northwest, a decrease in cloudiness soon began. The middle cloud layer was fastest to disappear, and as a rule few or no middle clouds were forecast whenever northwesterly winds prevailed directly above the top of the easterlies.

The effects on the weather caused by the meeting of an easterly wave and a westerly trough was not very well understood. It was felt that the phenomenon should produce poorer weather, but no definite proof that this happened was found during the four months of the CROSSROADS Operation. Another unanswered question was whether or not an easterly wave persisted until meeting a westerly trough, and if so, whether the easterly wave continued westward and the westerly trough eastward following the meeting.

A further point of conjecture involved the slope of the vertical axis of a westerly trough. It was thought that the slope was upward toward the west, but not enough conclusive evidence was found. This problem might have been answered had there been a dense enough network of rawin stations for analyzing horizontal wind patterns at several levels.

Advection of warmer and colder air does occur in the westerly flow above the easterly trade winds in the Marshall Islands. This fact is established by the veering winds through the shear zone between the lower easterlies and higher westerlies as a trough approaches and a backing after it passes.

Westerly troughs were not always the cause of the lowering of the base of the westerlies. It is true that during the spring they were almost wholly responsible, but extremely low bases occurred during June and July when westerly polar troughs were not in the region. Neither the explanation of this nor the factor that produced many of the upper-air flow patterns was understood. A much denser network of winds aloft reports was needed to understand the upper-air patterns during June and July.

It was not at all unusual to find the base of the westerlies higher over Wake than over the Marshalls, and cases occurred when the base was higher at Bikini than at Kwajalein.

Easterly Waves

This is an attempt to describe the easterly wave and its effects in the Marshall Islands during the CROSSROADS Operation. It appeared on the surface as a weak pressure trough oriented generally north-northeast — south-southwest and extended northward for several hundred miles from a wave on the Equatorial Front (ICZ). Its movement was east to west at approximately 4° to 6° per day.

Both surface and upper air indices were employed in identifying and locating easterly waves. A normal sequence of weather at a particular station upon the approach and passage of a wave began with unusually good weather. For 24 to 36 hours preceding its arrival, the cloud cover consisted of two- to four-tenths fair weather cumulus and these sometimes formed into NE-SW cloud rows. During this period the surface pressure was undergoing 24-hour falls. Three-hourly pressure changes were insignificant due to the large diurnal pressure changes in the tropics. As the wave drew very near the station, the cumulus clouds increased both in amount and vertical development, showers occurred, middle cloud layers appeared, 24-hour surface pressure changes were small and the wind shifted slowly from northeast or east-northeast into the east. Upon its passage the noticeable changes were a wind shift into the east-southeast or southeast, more cloudiness, and increased shower activity. Comparisons of 24-hour surface pressure changes ordinarily showed rises. Forty-eight to 72 hours were required after the wave passage for a return to good weather conditions.

The upper air indices showed that easterly waves sloped upward toward the west. The first wind shifts occurred at the 18,000-foot level or lower with a change from east-northeast or east to east-southeast or southeast. The shift progressed downward to lower levels as the wave approached until finally the surface wind shifted with the actual passage. The 2,000- and 8,000-foot streamline charts verified this slope since trough lines were located farther west at the 8,000-foot level than at 2,000 feet. About 4° separated the position of the highest upper air trough and the surface trough. Only the circulation in the lower 12,000 to 18,000 feet of the atmosphere appeared to be affected. Deep easterly flows to above 20,000 feet were most conducive for the occurrence of easterly waves even though the circulation was not affected to that level.

The frequency of easterly waves was highest in June. Intervals between were sometimes as short as 3 or 4 days. Earlier in the year westerly troughs predominated, while later in July the Equatorial Front (ICZ) was far enough north at times to prevent the Marshalls from being affected by easterly waves.

Equatorial Front (Intertropical Convergence Zone)

The Equatorial Front (ICZ) is most easily defined as that line along which the air flows of the northern and southern hemispheres meet.

The principal indices used for locating it were clouds, weather, and steamline convergence. It was found that large amounts of middle type clouds existed with the Equatorial Front (ICZ), and this factor was of great value in locating it from the weather distribution chart. Usually, more cumulus and especially those with great vertical buildups occurred with the Equatorial Front (ICZ), although this was not always true. Heavy showers are associated with the Equatorial Front (ICZ), but they are found less consistently than the middle cloud layers and consequently were of less analytical value. Streamline analyses of air flow on the surface and upper air levels were a definite method of locating the Equatorial Front (ICZ), but sometimes sufficient reports were not available to determine the line along which the streamlines converged.

Apparently the Equatorial Front (ICZ) sloped upward to the north or south since its positions on the surface, 960- and 750-millibar charts as determined by the streamline convergence method frequently did not coincide.

Most analyses showed the Equatorial Front (ICZ) extending as a continuous line across most of the Pacific Ocean. However, the data did not always bear this out. There were inactive segments where converging stream lines could not be drawn, and the cloud and weather patterns of the Equatorial Front (ICZ) did not exist. A better analysis would have been one showing the discontinuous characteristics. Sometimes a segment up to several hundred miles in length became active, moved as an entity for several days and then dissipated so that it could not be found. During the most active stages, vertical mixing produced saturated and nearly saturated condi-

tions from the surface to 30,000 or 35,000 feet. Once the Equatorial Front (ICZ) had reached the climax in its cycle and dissipation had set in, the moisture was found in striated layers.

The accuracy obtained in forecasting the movements and intensities of the Equatorial Front (ICZ) was not very satisfactory. However, certain useful rules were found. The prevalence of winds with southerly components on the north side favored its northward movement, while winds with northerly components favored a southward movement. Also, the passage of westerly polar troughs and easterly waves caused northward movements of the Equatorial Front (ICZ). Its mean position progressed northward during the summer so that Kwajalein and Bikini (though less often) were sometimes found to be on the south side.

Waves on the Equatorial Front (ICZ)

Waves occurred on the Equatorial Front (ICZ) independently of easterly waves, westerly troughs, or any other apparent phenomena. Their movement was from east to west, but the rate was not known due to the difficulty in locating them prior to their arrival at a station. It was probable that their movement was 4° to 6° (240 to 360 miles) per day the same as easterly waves, although no evidence existed to prove it.

The chief differences between easterly waves and waves on the Equatorial Front (ICZ) were the northward extent of the weather and the orientation of the cloud patterns. Easterly waves and the accompanying weather lay in a NNE-SSW line for several hundred miles whereas an Equatorial Front (ICZ) wave and weather were limited to an area only a few degrees north and south. Those with an Equatorial Front wave lay as a long east-west line of heavy cumulus to the south of the station for several hours, and then the line moved northward over the station with the passage of the wave. In addition to the heavy cumulus, the Equatorial Front waves brought heavy showers and broken to overcast layers of middle and high clouds. A typical Equatorial Front wave passed over Kwajalein during the latter part of the afternoon of June 30, the day before Able Day. Throughout the morning and early afternoon a long east-west line of heavy cumulus was seen to be lying south of Kwajalein. With the passage of the wave, the line of clouds and heavy showers approached from the southeast. However, the north edge of the line did not extend far north of Kwajalein, and Bikini was not affected by the wave.

The wind in the lowest levels shifted to the southeast much the same as with an easterly wave passage.

Typhoons

Typhoons are the same type of meteorological phenomena as hurricanes except that they occur in the Western Pacific whereas hurricanes occur in the Caribbean and southwesterly North Atlantic.

Typhoons were important considerations in the preparations of the forecasts for Able and Baker Days. By a unique coincidence, two different typhoons of about the same intensity were located just west of the northern Marianas on both of these important days. In each case unusually good weather prevailed in the Bikini and Kwajalein areas.

As strong northerly and northwesterly winds at high levels were brought about over the Marshalls with the development of these typhoons, it was thought that widespread subsidence occurred 1,400 to 1,800 miles from the center of the storms. The Equatorial Front in the vicinity of the Marshalls weakened on Baker Day and for a day or two following so that it could be detected only with difficulty, if at all. It is understood that deep low pressure systems near the Hawaiian Islands also bring unusually good weather to the Marshalls by the same process.

It was further noticed that typhoon development and movement very greatly influenced the high-level circulations over the Marshalls.

Typhoon formation more than 1,000 miles away could frequently be detected by variations in the winds at levels of 30,000 to 50,000 feet, a day or two before actual reports were received from ships and aircraft. From results already observed, it is believed that with a larger RAWIN network these high-level effects of tropical storms may be usefully employed to predict typhoon or hurricane formation or to improve local weather predictions over the tremendous area affected by the over-all tropical storm circulation.

Shear Lines

A shear line is a discontinuity in wind velocities which originates as a polar-type cold front which pushes into the tropics and loses its cold frontal characteristics. The weather associated

with it was found to be a broad zone of fairly well-developed cumulus, showers and some middle type clouds. These were arranged in a wide band generally oriented east-west and not well delineated. Its movement progressed slowly southward.

It was next to impossible to locate and verify the existence of a shear line due to the sparse network of reporting stations. After a front was known to have moved into the tropics, continuity was used to carry it forward. Wake was the last station where the time of its passage could be fixed before it moved into the Marshall area. Consequently, its arrival or dissipation could not be determined. Undoubtedly, aircraft reconnaissance could have located the shear line while it lay north of the Marshalls, but a limited number of reconnaissance planes were available, and those were employed much more profitably on flights to the east, south, and west of the Marshalls, from which direction most of the weather came. Shear lines moved into the Marshalls very infrequently—probably not more than two during the 4-month period. The pressure and circulation patterns were not favorable for the movements of cold fronts or shear lines across the subtropics into lower latitudes.

Surges

The surges were thought to be a rushing of air into the Marshalls from the region of the Pacific high cell. Whether or not the phenomenon occurred in conjunction with, or independently of, shear lines, westerly troughs, and easterly waves was not determined.

No application of the surge phenomenon was made to forecasting due to the lack of a surface reporting station to the east or east-northeast of the Marshalls. Perhaps a much denser network of surface stations over the regions of the Pacific high cell and southward into the tropics would have been needed to determine the forecasting value, if any, of the surges. Neither was the seasonal aspect of its occurrence investigated.

FORECASTING FROM VISUAL OBSERVATIONS

Visual observations of the weather trends proved valuable for supplementing the information that was obtained from the many charts. Sometimes it was the key to the proper interpretation of analyses. On other occasions it showed conditions not apparent from other sources.

No set rules can be given for the application of visual observations to forecasting. With experience, a forecaster comes to associate visual phenomena with certain analyses which in turn help him decide the forthcoming changes.

Forecasting Winds Aloft

Winds aloft reports from seven to nine stations nearest Bikini were plotted on time cross sections, with one cross section serving one station for a week. The forecasts were prepared from this vertical representation of the air flow. During April, May, and early June forecasts were based mostly on westerly polar troughs. Advantage was taken of the known characteristics of westerly troughs such as veering winds through the base of the westerlies with its approach and backing after its passage. The fact that the times of passage of major troughs regularly averaged about once a week was also very helpful. Later in the summer the westerly troughs no longer affected the Marshalls and consequently the forecasting methods based on them no longer applied. Unfortunately no new devices were found that were satisfactory. The forecasters relied on trends, periods, and experience in the lack of anything better.

Too often during the summer season the wind flows at the surrounding stations could not be fitted into any concept of a pressure field. A vertical picture of the wind flow at a few surrounding stations was not sufficient for winds aloft forecasting. A denser and much wider flung system of rawin stations was needed in order to make possible accurate horizontal analyses of the wind flow at numerous levels.

Forecasting Temperatures Aloft

Although no satisfactory techniques were found, the results of the temperature forecasts were accurate since the fluctuations were very small. Records of the temperature at the significant levels up to 60,000 feet were kept in order to determine the mean. It appeared that the instrumental errors were larger than the actual temperature variations. If advection occurred, it was too small to be detectable. Forecasts were based on the normal or mean reading.

Forecasting the Height of the Tropopause

Little was learned in regard to forecasting the height of the tropopause. There were intervals of 1 to 3 days when no radiosonde or rawin observation reached to that height. Consequently, a forecast made under such circumstances was not likely to be accurate.

The method used most was a combination of forecasting a mean and a trend. Each time the tropopause was reached as evidenced by an isothermal layer or inversion its height was recorded on a chart, and in this way a mean height was determined. The range appeared to be from 54,000 to 60,000 feet. If a recent sounding had reached the tropopause, trend was likely to be the best method. If not, the mean was forecast.

In the absence of radiosonde, rawin reports could sometimes be utilized. It was necessary that the rawin report reach above the tropopause so that the level of the wind shift from the lower westerlies to the easterlies in the stratosphere could be found. Of course the method depended on westerly winds existing below the tropopause which was not always the case.

Forecasting True Altitudes and Pressure Altitudes

The nature of the Bikini tests was such that some planes were required to fly at certain actual or true altitudes. Therefore a request was made to aid in determining true altitude from the altimeter reading. It was decided that the information could best be given in the form of a true altitude-pressure forecast.

Four tabulations showing the relationships of true altitudes to pressure altitudes from the surface to above 30,000 feet were prepared for four conditions of pressure: *extremely low*, *lower than average*, *higher than average*, and *extremely high* pressure. Computations of pressure altitude for all four conditions were based on an altimeter setting of 29.92 inches.

Upon occasions when this type of forecast was required, an examination of the radiosonde reports for the Marshalls area was made to find the pressure conditions. Then, if possible, the pressure trends to the highest flight levels were determined, and one of the four tabulations of true altitude versus pressure altitude was selected as a forecast.

Good results were obtained from this method due to the slowly changing conditions in the tropics.

CHARTS

INTRODUCTION

The weather data received was utilized in the construction of many types of charts. The following is a list of those prepared:

Surface map.
Weather reconnaissance.
960-millibar streamline-convergence.
750-millibar streamline-convergence.
Weather distribution.
Height moist layer.
960-millibar mixing ratio.
750-millibar mixing ratio.
Delta Theta E ($\Delta\Theta e$).
750-millibar lift chart.
960-millibar lift chart.
960-millibar altimeter correction.
Adiabatic diagram.
Wind time cross-sections.
Moisture-altimeter correction time cross-section.
Space cross-section.
Daily climatology graph.
Weekly climatology graph.
Average pressure-weather correlation chart.

A brief summary for each of the charts has been written showing its construction and use.

The Surface Weather Map

The surface map was prepared upon a chart of all the North Pacific Ocean, the South Pacific from the Equator to 10° S., eastern parts of China and Siberia, Alaska, western Canada, and the western United States.

On it was entered surface obs vations from land and ship stations, winds aloft, and aircraft reports. Three hourly reports were plotted adjacent to the synoptic reports and labeled with the time of observation. Transient aircraft reports when available were used to fill the vacant spaces. However, even with the best coverages, vast areas lacked reports.

Available data was analyzed to locate pressure centers, isobars, fronts, shear lines, the Equatorial Front, easterly waves, westerly troughs, and typhoons. A special emphasis was made to follow continuity in the analyses.

The region north of 30° N. was extremely difficult to analyze due to lack of data. The systems entered there were based on continuity and conjecture. To the south of 30° N. more data were available, but it was so sparse that many analyses were questionable.

The principle value of the surface chart was the genera ed weather picture which it gave. When used alone it could contribute little toward the preparation of the exacting forecasts of the CROSSROADS Operation except when a distant typhoon was influencing the weather in the Marshalls area. Otherwise the weather distribution charts and weather reconnaissance charts largely supplanted the surface weather chart.

Weather Reconnaissance Chart

Army weather reconnaissance aircraft covered the area to the east and southeast of Bikini, while the Navy covered the area to the south, southwest, and west. Observations were usually taken at 30-minute intervals and radioed to the ground station on Kwajalein for delivery to the weather central. Ascents and descents (APOBS) were made at specified points along the route for the purpose of taking pressure, temperature, and relative humidity readings. Standard flight altitudes were at the 960 and 750 millibar levels. APOB ascents were taken to as high as 350 millibars.

Reports were plotted upon a large scale map immediately after receipt at the weather central. APOBS were entered on adiabatic charts.

The weather reconnaissance chart was used mostly for reference and carried no analysis, but some of its data was transcribed to other charts which were analyzed for forecasting.

960-millibar Streamline Chart

The 960-millibar streamline chart carried an analysis of streamlines, lines of equal wind velocity (isovels), areas of convergence and divergence, and the Equatorial Front.

The streamlines lay parallel to and oriented with the wind direction, while the isovels connected the points having equal wind velocities. An area of convergence was marked by converging streamlines and decreasing values of the isovels. The reverse was true of divergent areas.

The chart ranked as one of the most useful

prepared because it offered a reasonable explanation of current weather conditions, and a fair degree of accuracy in their extrapolation.

750-millibar Streamline Chart

Construction and analysis of the 750-millibar streamline chart was very similar to that of the 960-millibar.

Areas of convergence and divergence on the two charts did not necessarily coincide. Positions of the Equatorial Front usually did not coincide because of its slope.

What was reported about the value of the 960-millibar chart may be repeated for the 750-millibar chart.

Weather Distribution Chart

The weather distribution chart showed radar fixes of weather phenomena; precipitation areas; and types, amounts, and tops of clouds at each point of observation by the weather reconnaissance aircraft.

The chart provided a simplified picture of the weather and aided in locating the Equatorial Front.

Height Moist Layer

Contour lines based upon APOB and radiosonde data together with altitudes of cumulus cloud tops were drawn to determine the height of the lowest moist layer. This was usually found to range from 5,000 feet upward. Regions of greatest instability had the deepest moist layer and most cloudiness. Those regions where the moisture was confined to the lower few thousand feet were characterized by least cloudiness. The Equatorial Front coincided with the highest contour lines.

One function of the chart was the substantiation of analyses. Simple extrapolation of its contour patterns was helpful in forecasting.

960-millibar Mixing Ratio*

The mixing ratio values at each aircraft and radiosonde observation point were plotted and isolines drawn.

This chart was of little help as a forecasting tool. The 960-millibar level was near the base of the convective type cumulus clouds, and vertical mixing was always present to that level regardless of the synoptic situation. The moisture patterns did not always agree with the weather conditions, and difficulty was found in extrapolating the patterns.

750-millibar Mixing Ratio*

Construction of the 750-millibar chart was the same as that of the 960-millibar chart. However, its patterns corresponded with the general weather conditions, since the 750-millibar level was above the top of the normal convective mixing.

The principal use of the chart was as an analysis aid. Not much use was made of it for forecasting, although it was better than the 960-millibar mixing ratio chart.

$\Delta\theta e$ Chart

Values of the equivalent potential temperature (θe) for points on the 960-millibar and 750-millibar surfaces were determined and plotted on the same chart. An individual set of isolines were drawn for the two levels. Then isolines for the difference in value of the equivalent potential temperature ($\Delta\theta e$) between the two levels were drawn by the intersection method. The $\Delta\theta e$ lines were later traced on a bland chart.

The areas of greatest convective instability were marked by the largest $\Delta\theta e$ values. Good weather and least cloudiness, especially middle cloudiness, showed direct correlation with large $\Delta\theta e$ values. The Equatorial Front (ICZ) and other regions of cloudiness and precipitation corresponded to the regions of small $\Delta\theta e$.

The patterns of $\Delta\theta e$ lines agreed for the most part with those on the other types of moisture charts. Little direct forecasting value was found for the chart.

960- and 750-millibar Lift Charts

The lift in terms of millibars of pressure required to bring the air to saturation for the two levels was determined and plotted on separate charts. Analysis was entered.

No practical use was found for the charts and their construction was dropped. The same information in different form was available on the other moisture charts.

960-millibar Altimeter Correction Chart

This chart was prepared for several weeks, but was discontinued since the features of the chart could not be successfully correlated with the actual weather.

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*Mixing ratio is defined as the grams of water vapor per 1,000 grams of dry air.

Adiabatic Charts

Adiabatic charts (temperature - pressure-height diagram) proved valuable as a source for several types of information. Temperatures, freezing levels, lapse rates, moisture content, and height of the stratosphere were read directly. Moisture-altimeter time cross sections were prepared from data taken from the adiabatic charts. No forecasting was done directly from them.

The aircraft temperature-humidity soundings were also plotted on adiabatic charts, and the same use was made of them as of the radiosonde reports.

Winds Aloft Time Cross Sections

The wind aloft reports for all levels from 8 to 10 stations nearest Bikini were plotted on charts having time as the abscissa and altitude as the ordinate. Surface observations were plotted along the abscissa. Winds aloft forecasts for bombing and radiological safety were prepared from this chart. Its other use was as a valuable aid in analysis. It was considered a very valuable chart for this particular operation.

Moisture-Altimeter Correction Time Cross Section

A chart for each of five radiosonde stations surrounding Bikini was prepared showing time along the abscissa and relative humidity, altimeter correction, and temperature along the ordinate. The relative humidity pattern was analyzed to show the vertical distribution of moisture which was the only practical use of the chart. Altimeter correction lines were entered, but their significance, if any, was never determined. Isotherms were not drawn since the temperature fluctuations were so small that no use could be made of them.

Space Cross Sections

All types of weather reports, both surface and upper air, from Guam to 180° longitude were plotted on a chart with distance along the abscissa and height along the ordinate. No analyses were entered due to the scarcity of data, and no value was derived from the chart. A north-south cross section was plotted for a short time, but it was dropped due to lack of data.

Climatological Records and Graphs

Data from the Kwajalein daily observation records were tabulated to show maximum, minimum, and average conditions for 3-hour periods throughout the day. Information included base of the westerlies, altitude of the north edge of the Equatorial Front at 168° E., top of the moist layers of air, relative humidity, maximum and minimum for both dry and wet bulb temperature, the direction, average and maximum velocity of the surface wind, 24-hour pressure changes, type and amount of precipitation, passage of easterly waves, and the amounts of low, middle, and high cloudiness. The data was summarized weekly. Rolls of cross section paper were prepared to show the data graphically.

The graphs were useful to give a picture of weather trends. They were not found to be of forecasting value.

Average Pressure Curves—Weather Correlation Chart

The 7- and 15-day average surface pressures for Kwajalein and Eniwetok were computed and the curves plotted. Cloudiness and precipitation amounts were plotted on the same charts for correlation purposes. No correlation or practical uses were found.

CHARTS

Charts Recommended for a Future Operation

The following charts were the most useful for forecasting and are recommended for a similar operation in the future:

Surface map.
Weather reconnaissance chart.
950-millibar streamline-convergence.
750-millibar streamline-convergence.
750-millibar relative humidity or mixing ratio.
Adiabatic charts.
Wind time cross-sections.

The 750-millibar relative humidity chart, although never used, is suggested in place of the mixing ratio chart. Relative humidity

readings can be plotted directly from the aircraft report whereas mixing ratios must be computed. The temperature and pressure at any level are so nearly constant that relative humidity varies directly as the mixing ratio. Furthermore, relative humidity gives the degree of saturation which is more readily used for forecasting than a knowledge of the actual amount of water vapor.

Useful charts but secondary in importance:

Weather distribution.

Moisture-altimeter correction time cross-section.

Daily climatology graph.

The same information is available on the weather reconnaissance chart as on the weather distribution chart. However, the better presentation of the information justifies its replotting.

The vertical distribution of moisture which is shown by constructing the moisture-altimeter correction time cross-section is also apparent from a study of the adiabatic chart. Changing conditions can be studied most conveniently on the time cross sections.

Weather trends are easily followed on daily climatological graphs. Some of the important elements that should be shown are wind direction and velocity, 24-hour surface pressure changes, amount of low, middle, and high cloudiness, and precipitation. A knowledge of weather trends and the normal duration of weather conditions can be applied successfully to forecasting.

An examination of a few of the charts usually is not enough to formulate the most accurate forecast. Best results come by coordinating the information on each chart.

Section II

SYNOPSIS OF SURFACE WEATHER C) RTS

INTRODUCTION

Charts which give the synoptic weather situation on the two dress rehearsal days and the two atomic bomb test days have been included. The first rehearsal day, known as "Queen Day," was held June 24. This was followed on July 1 by "Able Day," the first of the test days. "William Day," another rehearsal day, came on July 19. "Baker Day," the second test day, followed on July 25.

Some meteorological terms used in the discussion may not be entirely familiar to the reader. High- and low-pressure centers and cold fronts are most self-explanatory.

The term shear line is not so commonly used. On the maps in this series, some cold fronts have pushed into the tropics and lost their properties as such. It is those modifi d portions of the cold fronts that are referred to as shear lines. They are usually located along a discontinuity in wind velocities.

The Equatorial Front (ICZ) is best described as the line along which the wind flows of the northern and southern hemispheres meet. The Intertropical Front is a term frequently applied to the same phenomenon.

Easterly waves occur as weak pressure troughs emanating from perturbations of the Equatorial Front (ICZ) and extend several hundred miles to the north or northeast. Principal indices used in placing them are wind shifts from east-northeast to east-southeast and bands of bad weather.

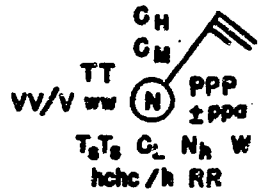
A typhoon consists of an extremely low pressure area and is characterized by strong winds and bad weather conditions. A similar phenomenon occurring in the Atlantic, Caribbean, or the Gulf of Mexico is called a hurricane.

Forecasting methods will be discussed in another section.

CJTF-1
AEROLOGY

WEATHER MAP SYMBOLS

STATION MODEL



WIND DIRECTION AND VELOCITY ARE INDICATED BY A BARB AND SHAFT.

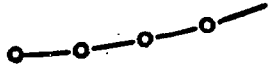
N – TOTAL AMOUNT OF SKY COVERED WITH CLOUDS.

PPP – ATMOSPHERIC PRESSURE REDUCED TO SEA LEVEL
pp – AMOUNT OF PRESSURE CHANGE IN LAST THREE HOURS
a – CHARACTERISTIC OF PRESSURE CHANGE
W – PAST WEATHER
N_h – AMOUNT OF LOWEST LAYER OF CLOUD
C_L – FORM OF LOW CLOUD
T_sT_s – DEW POINT TEMPERATURE
hchc – HEIGHT OF CEILING
h – HEIGHT OF LOWEST CLOUD
RR – AMOUNT OF PRECIPITATION IN LAST SIX HOURS
ww – PRESENT WEATHER
V – VISIBILITY CODE FIGURE
VV – VISIBILITY IN MILES
TT – TEMPERATURE
C_M – FORM OF MIDDLE CLOUD
C_H – FORM OF HIGH CLOUD

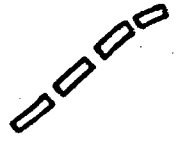

ISOBAR


COLD FRONT


WARM FRONT


SHEAR LINE


EQUATORIAL FRONT – (INTERTROPICAL CONVERGENCE ZONE)


EASTERLY WAVE

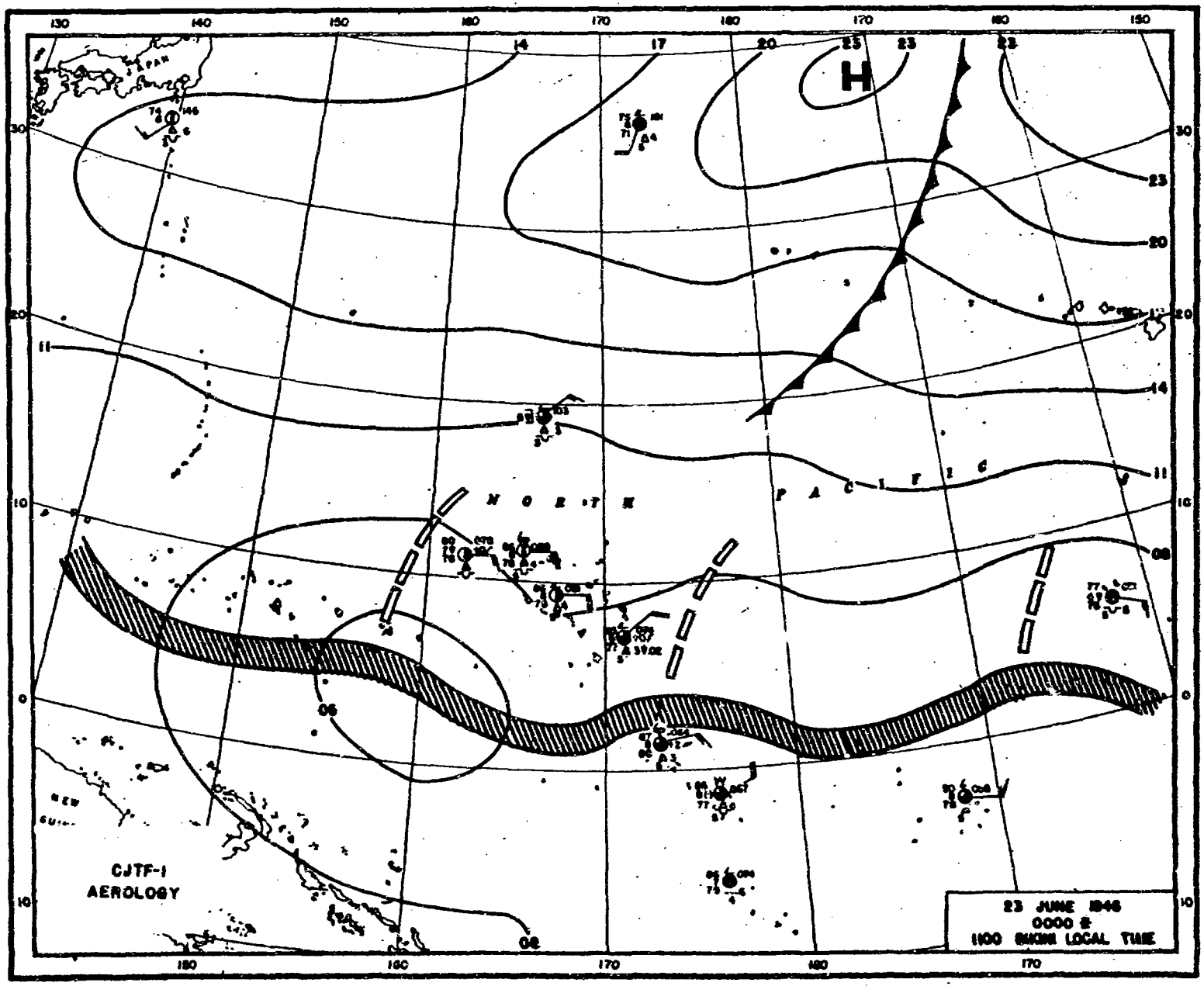

TYPHOON

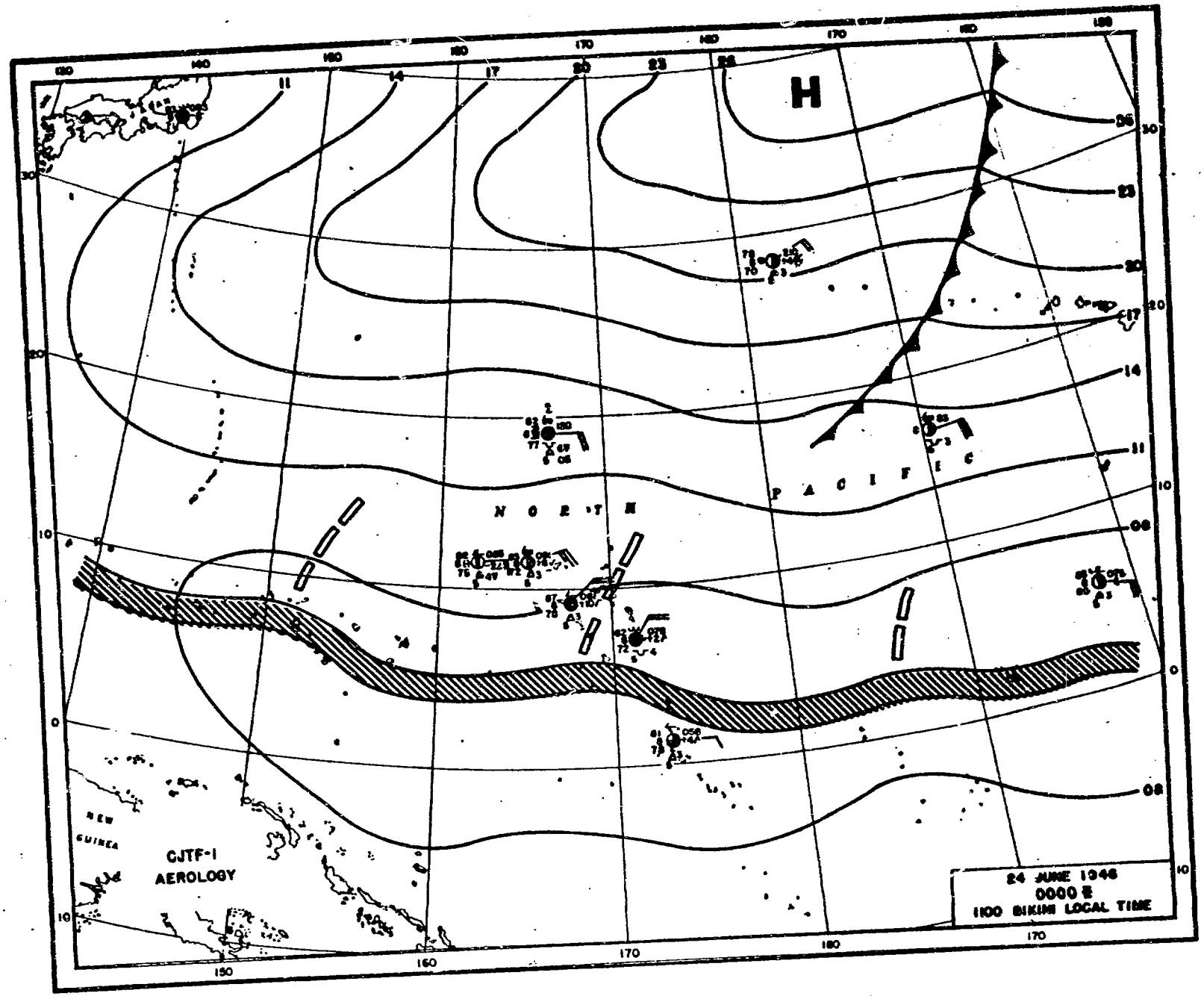
"QUEEN DAY"

23-24 June 1946

The surface weather maps of 22, 23, and 24 June 1946 for the central Pacific Ocean area exhibited four significant features. A high pressure ridge associated with a high center northeast of Midway Island extended in a southwesterly direction along the 30th parallel of latitude to about 135° E. A weak cold front trailing southwest across the Hawaiian Islands ended as a shear line in the vicinity of 16° N. and 180° W. The Equatorial Front (ICZ) east of 180° E. was located along the 3° N. line. Its position was 3° to 6° N. between 160° and 180° E., while farther west it reached 7° to 9° N. The fourth feature was a series of easterly waves lying in a northeasterly line from northward protuding waves of the Equatorial Front (ICZ). The northern extremities of the easterly waves were probably near 15° N., and their movement was east to west.

The only factor that directly affected the Bikini weather from 22–24 June was an easterly wave. On the 22d this wave lay east of Bikini. By the next day it had moved to the Eniwetok area, and the band of showers and cloudiness following in its wake still covered Bikini. On the 24th the disturbance was found farther west, and Bikini, coming under the influence of a divergent air mass preceding a newly approaching wave, had favorable weather conditions.


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CJTF-1
AEROLOGY
23 JUNE 1946
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1100 BIKINI LOCAL TIME


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24 JUNE 1946
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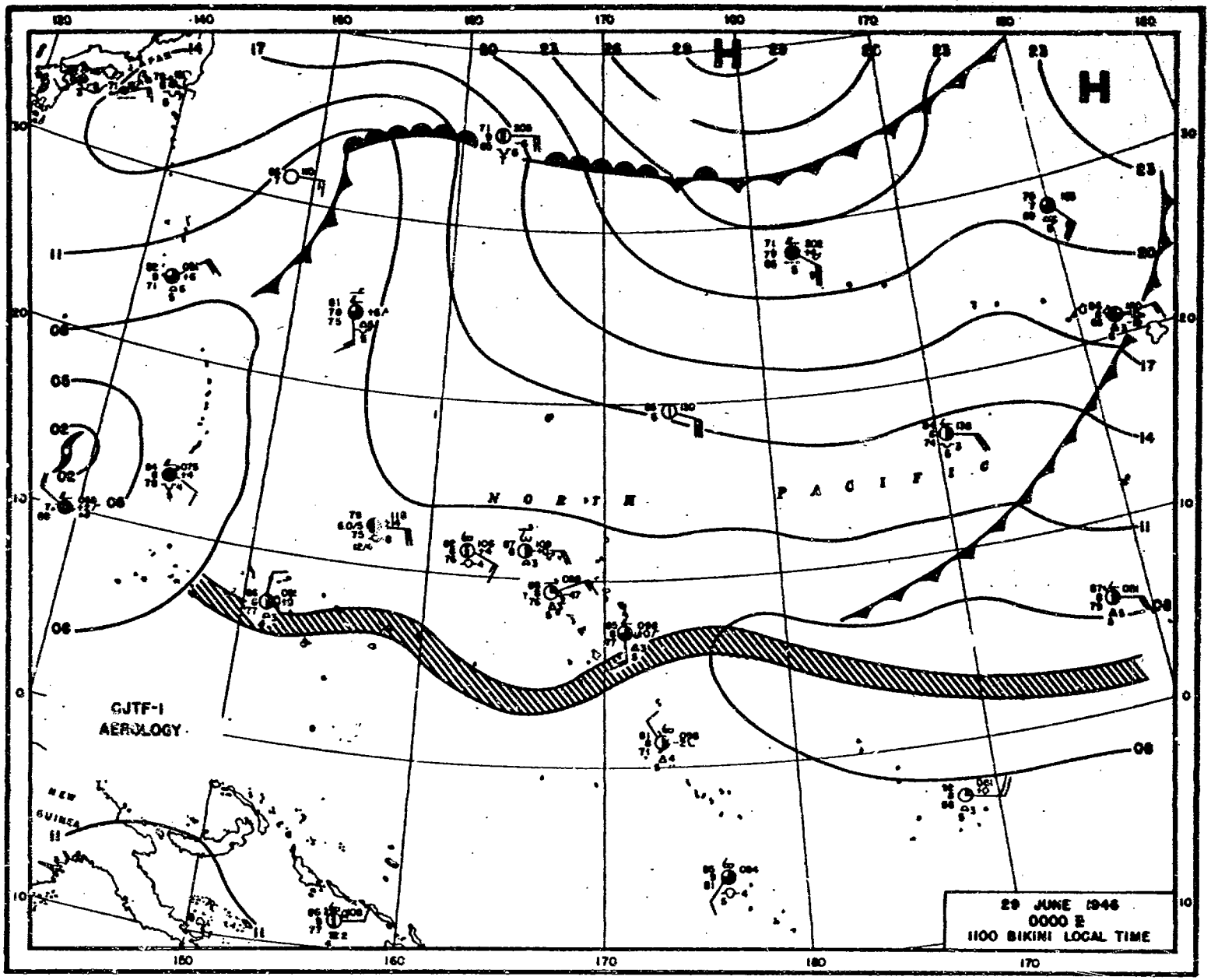
"ABLE DAY"

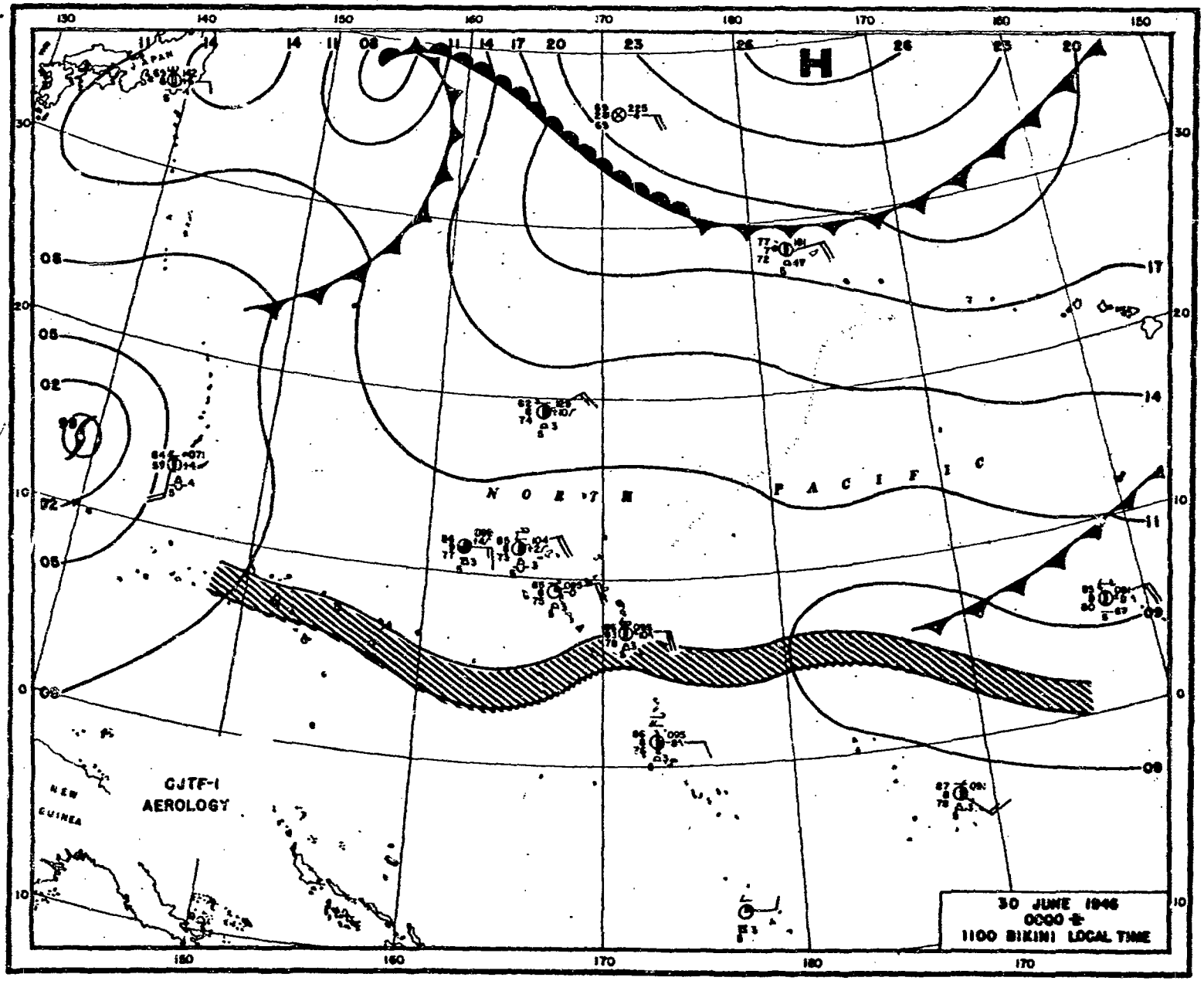
29–30 June, 1–2 July

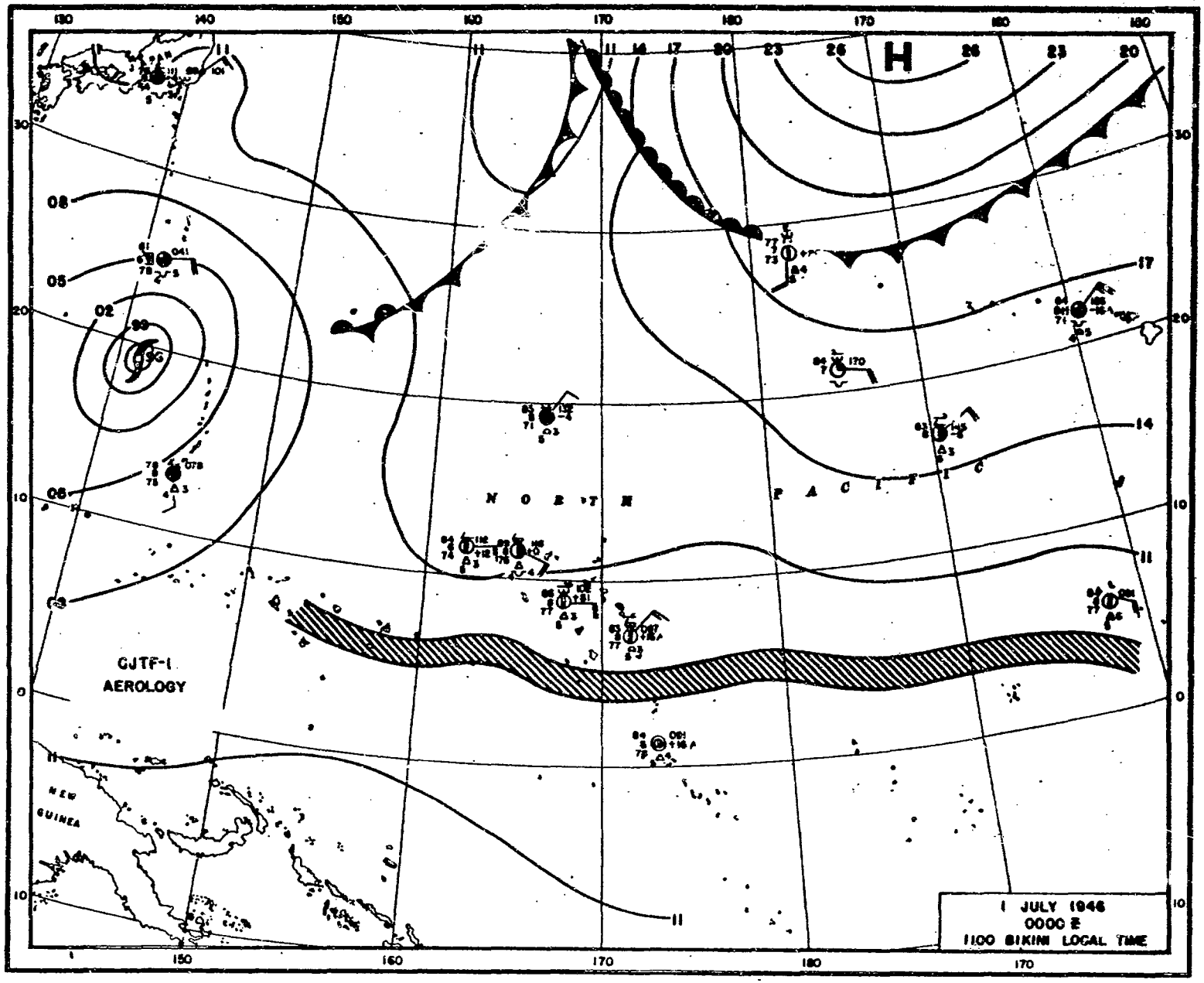
The series of surface weather charts for the mid-Pacific from 29 June through 2 July indicated three meteorological features. A weak polar front and associated low pressure center had no effect south of 30° N. Likewise the Pacific high cell was too far north and east to have any effect. The Equatorial Front (ICZ) which stretched generally east-west across the map remained well to the south of Bikini throughout the period. A typhoon occupied the area west and north of Guam.

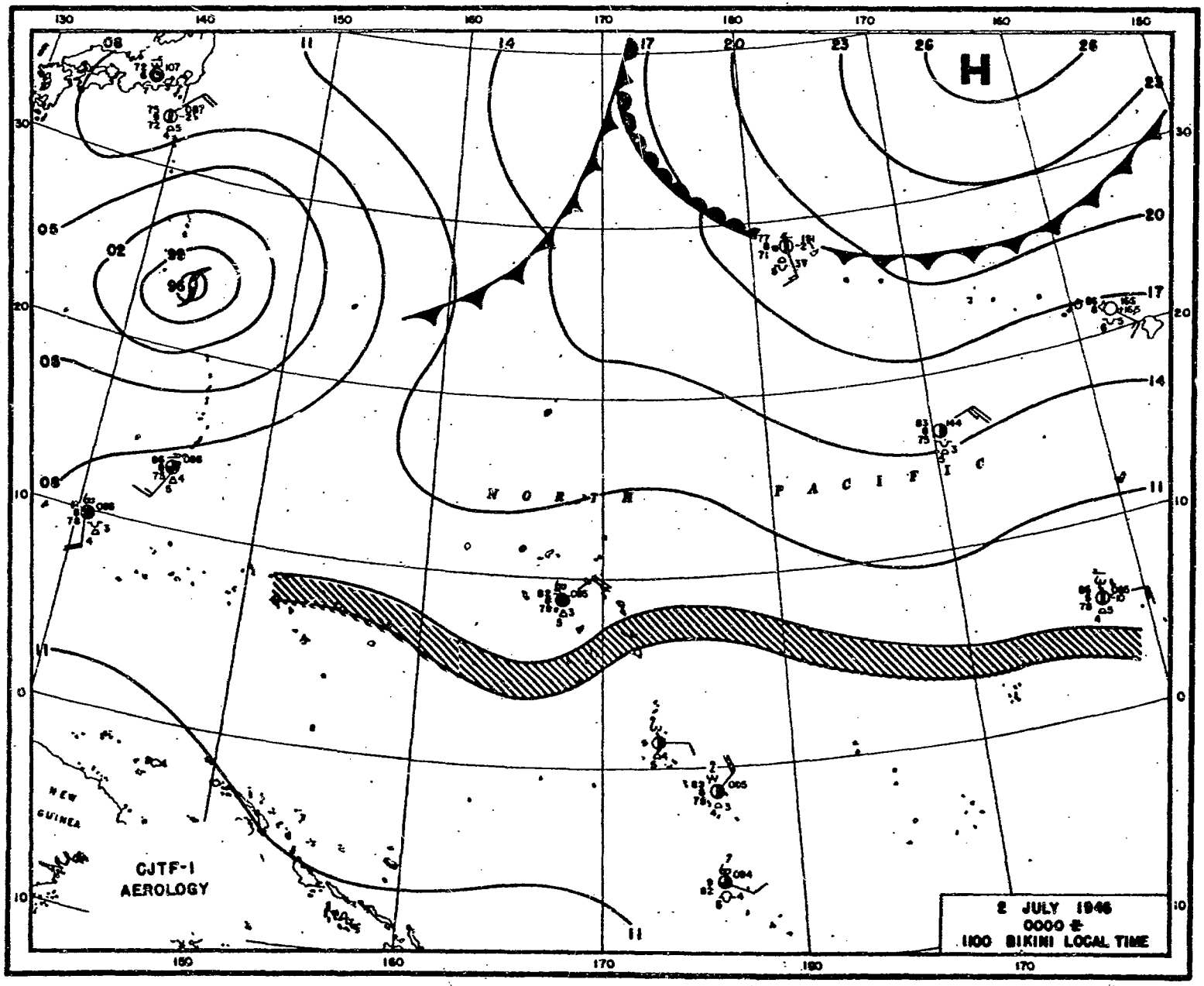
A low pressure center appeared on the map of June 29 at 13° N. and 139° E. By the next day, it had attained the intensity of a typhoon and moved about 1° north. The storm further intensified and began moving toward the NNE during the 1st and 2d of July. On the 2d, its center was at 24° N. and 144° E.

The fine weather at Bikini was attributed to a widespread subsidence of the air mass which resulted from the outflow at high levels above the typhoon.


CJTF-1
AEROLOGY
NORTH PACIFIC
NEW GUINEA
29 JUNE 1946
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1100 BIKINI LOCAL TIME


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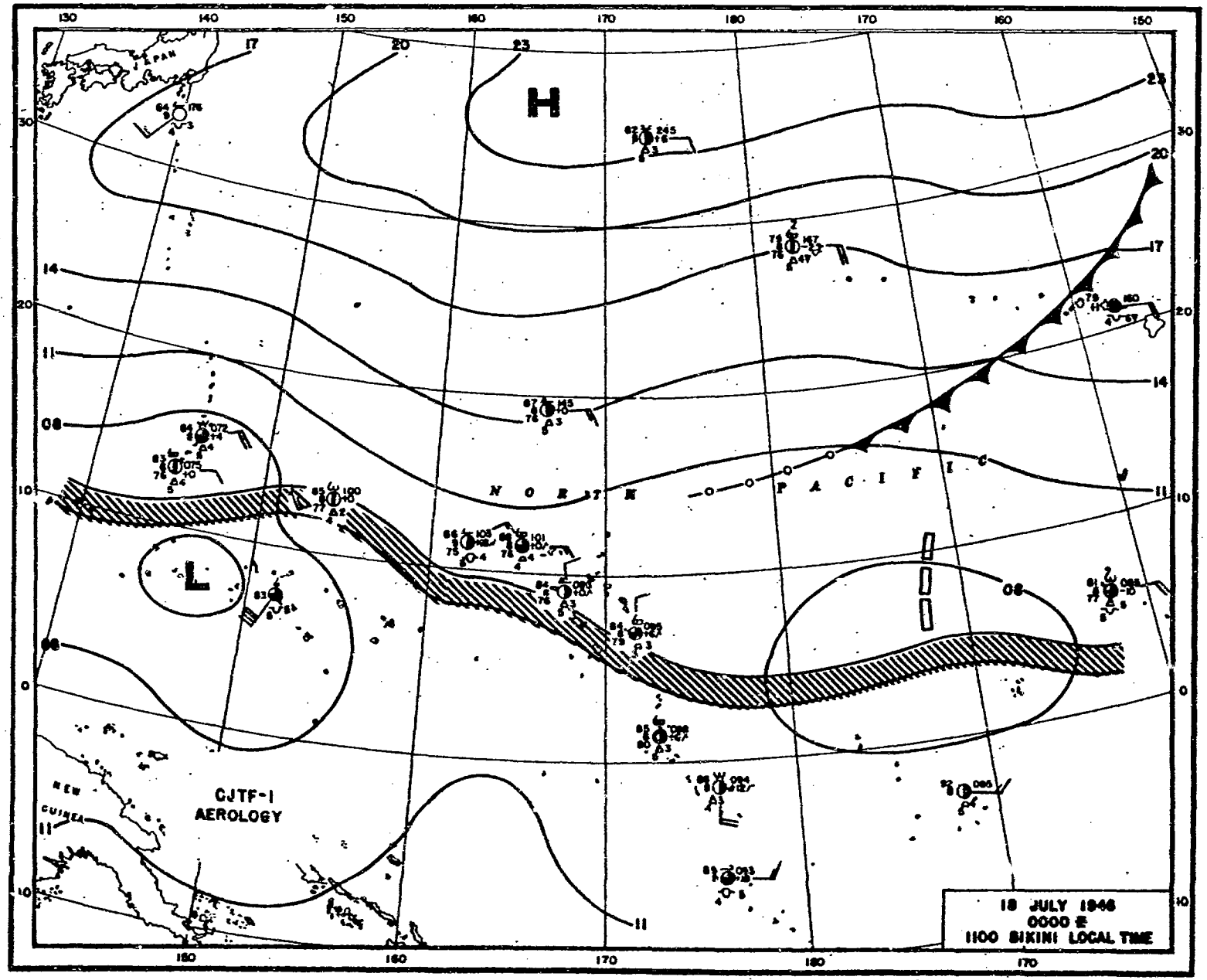

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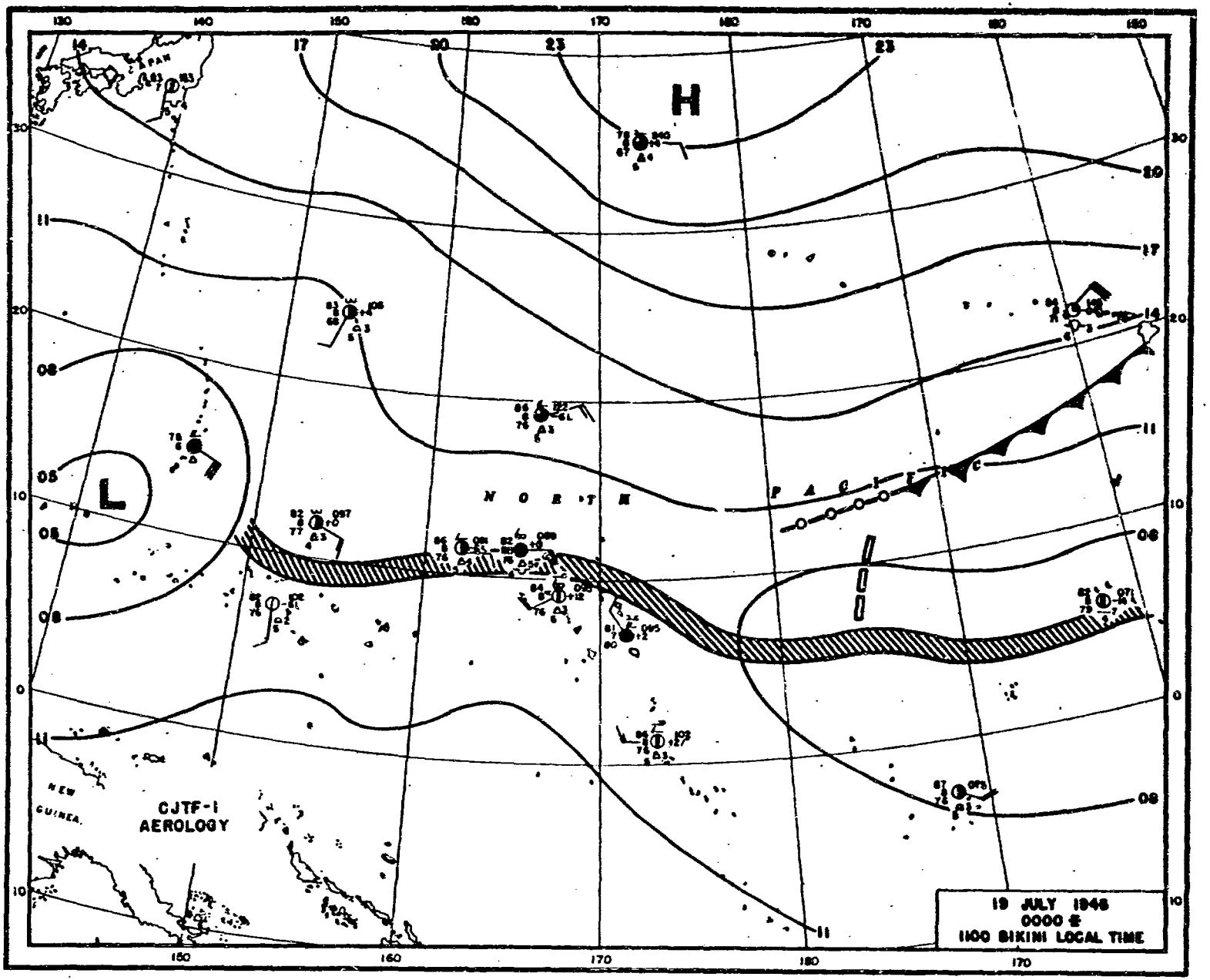
"WILLIAM DAY"
18–19 July 1946

The weather map of July 18 showed the usual pressure pattern of the Pacific high cell. Its center was elongated along the 40th° parallel of latitude, and a high pressure ridge reached southwestward to the southernmost Japanese islands. A low with its center west or northwest of Truk covered the Caroline Islands. The Equatorial Front lay west-northwest–east-southeast through the Marshall Islands and slightly south of Kwajalein and Majuro.

On the 19th the low previously located over the Carolines was found between Yap and Guam. Its center had moved to approximately 11° N. and 141° E. The other significant change was the position of the Equatorial Front (ICZ) which had progressed northward across the Marshall Islands. Bikini and Eniwetok were situated within its northern boundary. Both Kwajalein and Majuro were outside and south of the zone.

The showers and heavy cloudiness at Bikini on the 19th were caused by the Equatorial Front (ICZ).


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AEROLOGY
19 JULY 1946
0000 Z
1100 BIKINI LOCAL TIME

"BAKER DAY"
23-24-25 July 1946

The Pacific high cell on "Baker" and the two previous days was centered well to the north and northeast of the Hawaiian Islands. The principal features within the mid-Pacific area were a typhoon northeast of Guam and the Equatorial Front (ICZ) across the Marshalls.

On the 23d a low pressure at 17° N. and 145° E. was deepening. The same day the analysis of the Equatorial Front (ICZ) indicated a weak northward bulge in its configuration across the southern Marshalls. Kwajalein and Majuro were north of but close to its edge. The Equatorial Front (ICZ) was not entered west of 158° E. because it was considered unlikely to exist in the cyclonic circulation around the low.

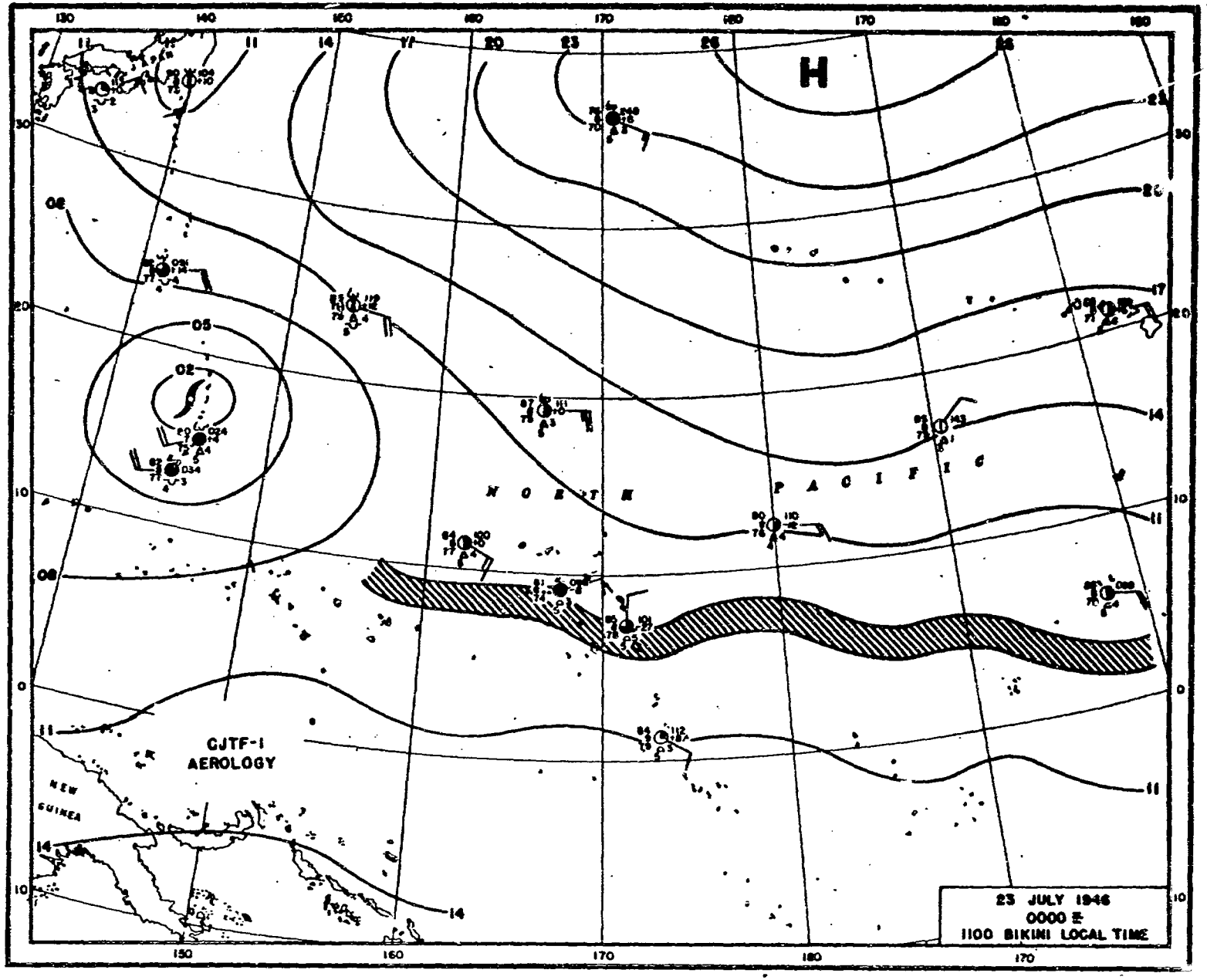
The Equatorial Front (ICZ) brought rain and heavy cloudiness to Kwajalein on the 23d. However, Bikini was too far north to be affected.

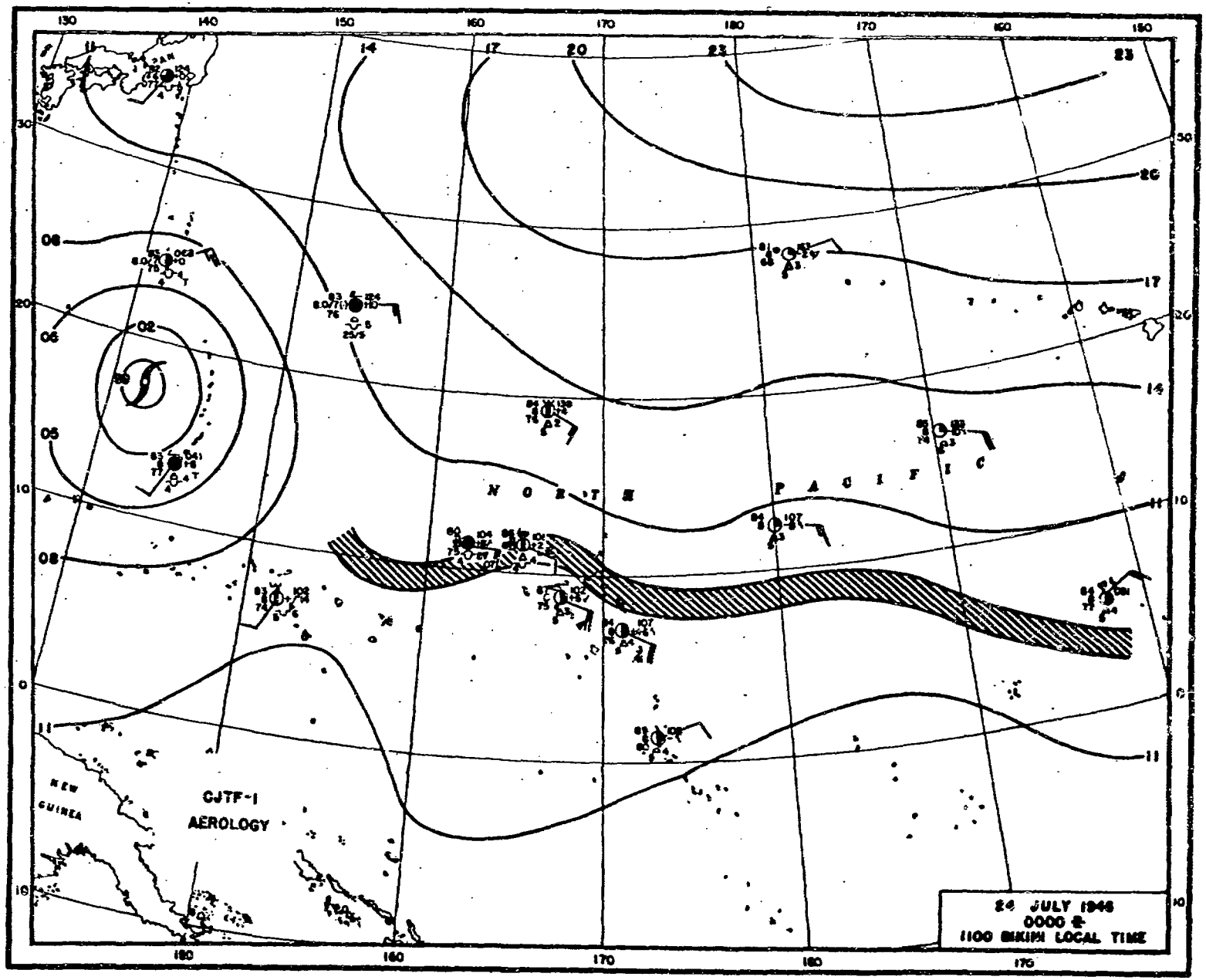
The analysis on the 24th placed a typhoon at 18° N. and 142° E., the result of the intensification of the low. The bulge on the Equatorial Front (ICZ) had pushed northward to cover Bikini, but Eniwetok was placed along its northern edge. Kwajalein, with greatly improved weather, and Majuro were both to its south.

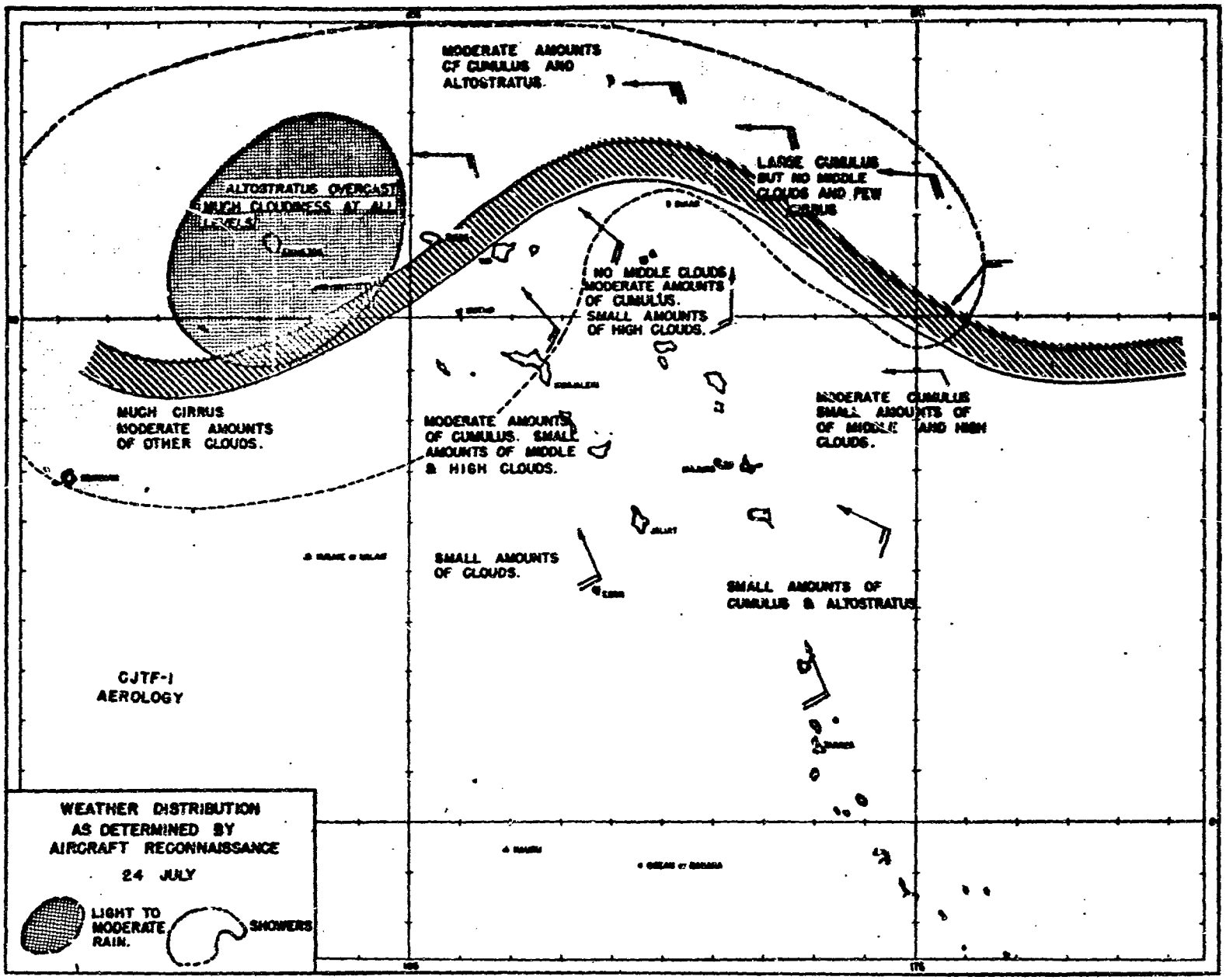
Bikini experienced showers and cloudiness on the 24th much as Kwajalein had on the previous day.

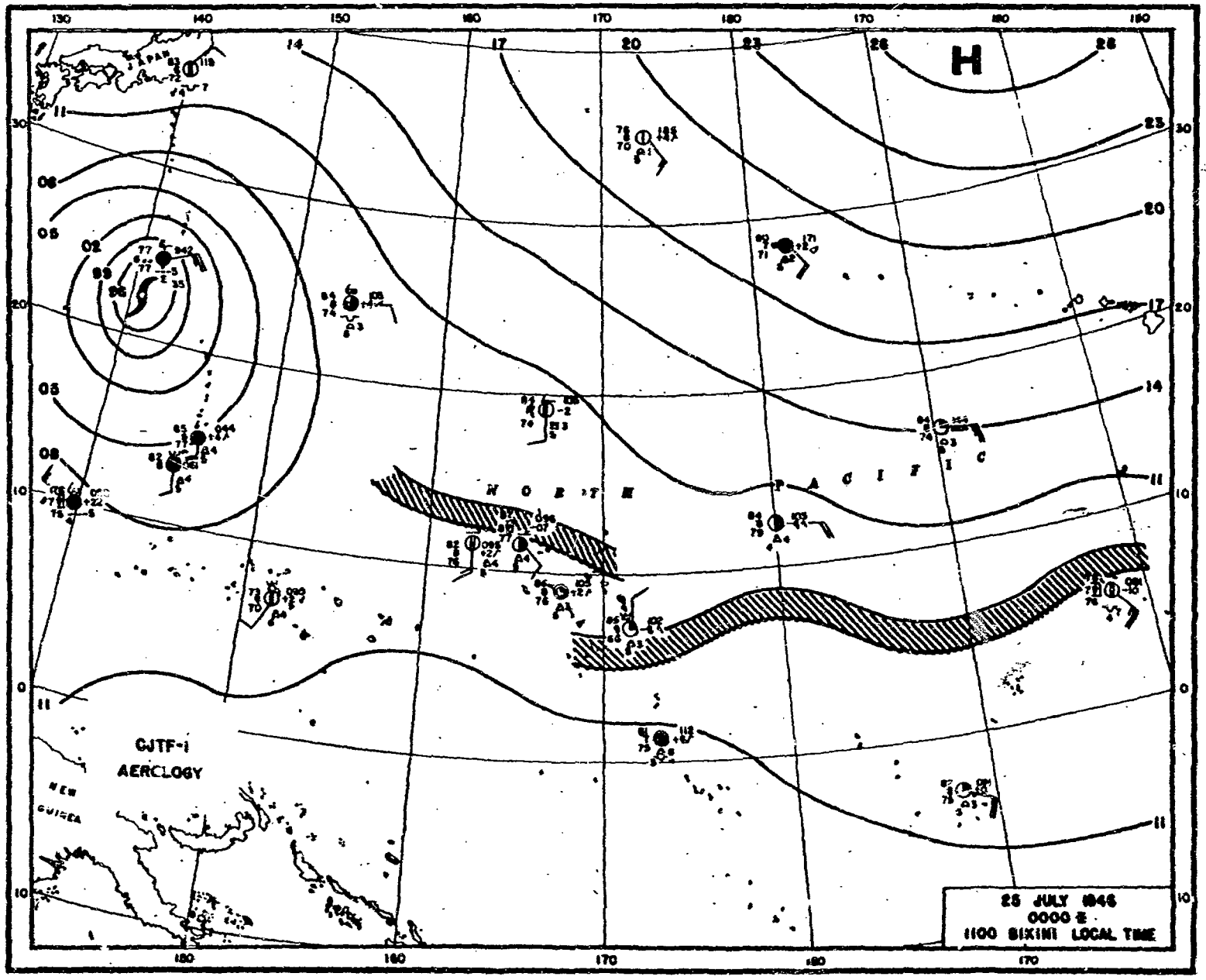
On "Baker Day" July 25, the typhoon center was placed at 22° N. and 140° E. The Equatorial Front (ICZ) had continued its northward movement, leaving Bikini in the sector of good weather to its south.

The map of July 25 was analyzed to show a break in the Equatorial Front (ICZ) along 170° E. This decision was the result of a careful study of aircraft weather reconnaissance reports which revealed good weather conditions and the lack of consistently converging winds over the area.


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23 JULY 1946
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1100 BIKINI LOCAL TIME


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NORTH PACIFIC
NEW GUINEA
CJTF-1
AEROLOGY
24 JULY 1946
0000 Z
1100 BIKINI LOCAL TIME


MODERATE AMOUNTS OF CUMULUS AND ALTOSTRATUS.
ALTOSTRATUS OVERCAST MUCH CLOUDINESS AT ALL LEVELS
LARGE CUMULUS BUT NO MIDDLE CLOUDS AND FEW CIRRUS
NO MIDDLE CLOUDS MODERATE AMOUNTS OF CUMULUS. SMALL AMOUNTS OF HIGH CLOUDS.
MUCH CIRRUS MODERATE AMOUNTS OF OTHER CLOUDS.
MODERATE AMOUNTS OF CUMULUS. SMALL AMOUNTS OF MIDDLE & HIGH CLOUDS.
MODERATE CUMULUS SMALL AMOUNTS OF OF MIDDLE AND HIGH CLOUDS.
SMALL AMOUNTS OF CLOUDS.
SMALL AMOUNTS OF CUMULUS & ALTOSTRATUS
CJTF-1
AEROLOGY
WEATHER DISTRIBUTION
AS DETERMINED BY
AIRCRAFT RECONNAISSANCE
24 JULY
LIGHT TO MODERATE RAIN.
SHOWERS


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CJTF-1
AERCLOGY
NEW GUINEA
25 JULY 1946
0000 Z
1100 BIKINI LOCAL TIME

Section III

(Observational Data)

EXPLANATION OF SURFACE OBSERVATIONS

1. Weather Station Observational Data Included:

On the following pages are recorded surface weather observational data pertinent to the CROSSROADS Operation. In order that a representative picture of the meteorological situation over the entire operational area may be reconstructed, surface data from the following stations have been included:

Bikini.
Eniwetok.
Kwajalein.
Majuro.
Tarawa.
Wake.
Bird Dog 3 (Weather Ship 12°45′ N., 180°00′).
Bird Dog 4 (Weather Ship 12°00′ N., 153°40′ E.).

2. Observational Time of Surface Data Selected:

Immediately following this explanation of the surface observations is given *all hourly* surface data for Bikini on Queen, Able, William, and Baker Days. Then, all available 3-hourly observational data obtained during the months of June and July 1946 at the stations listed above is presented. Times of these 3-hourly observations are normally 0000, 0300, 0600, 0900, 1200, 1500, 1800 and 2100 G. C. T.; but if the observation station was required to transmit its report, the time of observation was advanced one-half hour to allow for encoding and transmission.

3. Completeness of Data Presented:

As weather changes occurring between 3-hourly observations are not shown adequately by the customary manner of recording these observations, supplementary remarks regarding the occurrence of weather in the intervening hours has been added in this compilation.

Precipitation was not measured aboard ship and was irregularly recorded by most of the island stations. For these reasons amounts of rainfall are not given.

Should a more detailed study be desired than is presented here, hourly data for all stations but Tarawa, which made only the 3-hourly observations, is available on the original WBAN–11 and WBAN 10A forms from which all of these data were extracted.

The Bird Dog ships were on station irregularly; this accounts for the missing data from those stations.

4. Details of Weather Elements Recorded:

TIME (Local).

All times shown are in zone −11 except the times recorded for Tarawa which are −12. For Eniwetok 1400 Local is 0300 G. C. T., but for Tarawa 1500 Local would be 0300 G. C. T.

CEILING (hundreds of feet).

The ceiling is defined as the lowest height above the ground at which all clouds, at or below that level, cover more than one-half of the sky. No ceiling is reported when the total sky cover is five-tenths or less or when the base

of the lowest broken or overcast layer present at the station is higher than 9,750 feet above the ground.

The letters preceding the figure indicating the ceiling height in hundreds of feet have the following meanings:

M=Ceiling measured by ceiling light
B=Ceiling determined by a balloon.
W=Ceiling is indefinite.
A=Ceiling is reported by aircraft.
E=Ceiling is estimated.
P=Precipitation prevents an estimation of the true cloud base.

SKY.

Ordinarily sky conditions are represented by the following symbols:

○=Clear, no clouds present, or less than 1/10 of the sky is covered by clouds.
◔=Scattered, 1/10 to an even 5/10 of the sky, inclusive, is covered by clouds.
◑=Broken, more than 5/10 to an even 9/10 of the sky is covered by clouds.
⊕=More than 9/10 of the sky is covered by clouds.

Because of printing difficulties these symbols have been replaced by "C," "S," "B," and "O," respectively.

A slant line (/) is used to indicate high cloudiness above 9,750 feet. All clouds above that level are recorded in this column as if they were a single sheet. "S/," "B/," and "O/" mean *high scattered, high broken* and *high overcast*, respectively.

Several layers of clouds are reported as follows:

SS=Scattered, lower scattered.
S/S=High scattered, lower scattered.
BS=Broken, lower scattered.
B/S=High broken, lower scattered.
SB=Scattered, lower broken.
S/B=High scattered, lower broken.
BB=Broken, lower broken.
B/B=High broken, lower broken.
OS=Overcast, lower scattered.
O/S=High overcast, lower scattered.
OB=Overcast, lower broken.
O/B=High overcast, lower broken.

The symbols "—" and "+" mean *thin* and *dark*, respectively. "—B" would mean *thin broken* and "+O" would mean a *dark (or thick) overcast.*

VISIBILITY (miles).

This figure is a visual estimate of horizontal visibility in miles. Island stations recorded visibility in statute miles whereas ship stations recorded visibility in nautical miles. In either case, measurements of visibility were very coarse as the horizon was most frequently the only reference from which visibility could be determined.

WEATHER.

The symbols used in describing tropical weather are given below:

T=Thunderstorm.
T+=Heavy thunderstorm.
R—=Light rain.
R=Moderate rain.
R+=Heavy rain.
RW—=Light rain shower.
RW=Moderate rain shower.
RW+=Heavy rain shower.
RQ—=Light rain squall.
RQ=Moderate rain squall.
RQ+=Heavy rain squall.
H=Dry haze.
F—=Light fog.
F=Fog.

SEA LEVEL PRESSURE (add 1,000 millibars).

The figure 09.6 represents 1009.6 millibars. Care should be used in basing accurate calculations on these figures. Although they are the best obtainable, the results listed may be in error from 1 to 2 millibars because of faulty station barometers.

TEMPERATURE (°F.).

This is the free air temperature taken in a standard instrument shelter. Daytime temperatures, particularly aboard ship, were considerably affected by solar radiation. With the afternoon sun shining against the side of the ship on which the shelter was mounted, temperatures are likely to be recorded 5° or more too high.

DEW POINT (°F.).

See the above remarks regarding the exposure of thermometers.

WIND DIRECTION.

This is the wind direction at the instant of observation and is not an average direction.

WIND VELOCITY.

This value is given in knots for ship stations and in miles per hour for land stations. A minus sign (—) is used to indicate fresh gusts

and a plus sign (+) is used to indicate strong gusts.

PRESSURE TENDENCY.

This figure is derived from the trace of the barograph and describes the behavior of the barograph pen during the past 3 hours. The figures have the following meanings:

(Pressure higher than, or the same as 3 hours ago)

0=Rising, then falling.
1=Rising, then steady; or rising, then rising more slowly.
2=Unsteadily rising, or unsteady.
3=Rising steadily, or steady.
4=Falling or steady, then rising; or rising, then rising more rapidly.

(Pressure lower than 3 hours ago)

5=Falling, then rising.
6=Falling, then steady; or falling, then falling more slowly.
7=Falling unsteadily.
8=Falling steadily.
9=Steady, or rising, then falling; or falling, then falling more rapidly.

NET 3-HOUR PRESSURE CHANGE.

This figure is in millibars and tenths of millibars. Whether this value is plus or minus must be determined from the pressure tendency figure.

AMOUNT LOW CLOUD.

Amount in tenths of low cloud entered in following column. Additional amounts of other low clouds are entered in the remarks.

TYPE OF LOW CLOUD.

These abbreviations give the predominant form of low cloud. The meaning of the abbreviations are as follows:

(Low Clouds)

Sc=Stratocumulus.
St=Stratus.
Fs=Fractostratus.
Cu=Cumulus.
Fc=Fractocumulus.
Cb=Cumulonimbus.
Cm=Cumulonimbus mammatus.

HEIGHT LOW CLOUD.

Height above surface is given in hundreds of feet.

AMOUNT MIDDLE CLOUD.

Amount in tenths of middle cloud entered in following column. Additional amounts of other middle cloud are enteredin the remarks. *Note.*—Some instructions state that the total amounts of low, middle, and high clouds cannot exceed 10/10. Such instructions state that an overcast of middle clouds with 3/10 of low clouds must be reported as 7/10 middle clouds rather than 10/10 middle clouds. Later instructions state the same condition should be recorded as 3/10 low clouds and 10/10 middle clouds, making a total of 13/10 total sky cover. In preparing these records for printing it was thought unwise to change the observers' original figures as no satisfactory estimate can be made of the amounts of the cloud layers except as reported.

TYPE MIDDLE CLOUD.

These abbreviations give the predominant form of middle cloud. The meanings of the abbreviations are as follows:

(Middle Clouds)

Ac=Altocumulus.
Acc=Altocumulus castellatus.
As=Altostratus.

HEIGHT OF MIDDLE CLOUD.

Height above surface is given in hundreds of feet. "140" is 14,000 feet. Such heights are almost always estimated.

AMOUNT HIGH CLOUD.

See explanation of AMOUNT MIDDLE CLOUD above. Some observers recorded *10/10* high clouds, 3/10 middle clouds and 3/10 low clouds for a particular sky condition whereas others following existing instructions would record the same situation as *4/10* high clouds, 3/10 middle clouds and 3/10 low clouds in order that the total amount of clouds would not exceed 10/10. Again these figures are presented just as recorded.

TYPE HIGH CLOUD.

These abbreviations give the predominant form of low cloud. The meanings are as follows:

(High Cloud)

Ci=Cirrus.
Cs=Cirrostratus.
Cc=Cirrocumulus.

5. Abbreviations Used in Remarks

Ac	ALTOCUMULUS.
As	ALTOSTRATUS.
B	BEGAN.
BINOVC	BREAKS-IN-OVERCAST.
BRKS	BREAKS.
Cb	CUMULONIMBUS.
Cc	CIRROCUMULUS.
CLD	CLOUD.
Cu	CUMULUS.
DSTNT	DISTANT.
E	EAST.
E	ENDED.
EST	ESTIMATED.
Fc	FRACTOCUMULUS.
HI	HIGH.
HND	HUNDRED.
HVY	HEAVY.
INTMT	INTERMITTENT.
LGT	LIGHT.
LTNG	LIGHTNING.
MI	MILES.
N	NORTH.
NE	NORTHEAST.
NW	NORTHWEST.
OBSTN	OBSTRUCTION.
OCNL	OCCASIONAL.
OVC	OVERCAST.
PRECIP	PRECIPITATION.
QUADS	QUADRANTS.
R	RAIN.
RDCNG	REDUCING.
RW	RAIN SHOWERS.
Sc	STRATOCUMULUS.
SCTD	SCATTERED.
SE	SOUTHEAST.
SL	SLIGHT.
SQ	SQUALL.
SW	SOUTHWEST.
VSBY	VISIBILITY.
W	WEST.
—(minus)	LIGHT.

SURFACE OBSERVATIONS — JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. L-HR. PRES. CHANGE	AMT., LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0300	350	3	30		07.4	82	72	NNE	16	8	1.2	8	Sc	50						
	0500		8/8	30		08.5	82	73	E	16	3	0.9	1	Cu	10	2	As	250	7	Cs	
	0800		3/8	30		10.4	82	74	E	15	3	1.9	3	Cu	30				6	Cs	
	1100		3/8	30		10.4	82	74	E	15	0	0.0	4	Cu	30				6	Cs	
	1400																				
	1700		0/8	15		08.9	82	73	NE	14	-	-	4	Sc	20	4	As	150	2	Ci	RINGED
	2000		0/8	15		10.3	85	76	NNE	16	3	1.4	2	Cu	25	1	Ac	150	7	Cs	
	2300		0/8	15		09.5	87	76	E	15	8	0.8	4	Cu	25	1	Ac	150	5	Cs	
ENIWETOK	0000	R16	3	12		09.6	80	74	E	9	5	0.4	7	Cu	16						
	0200	R16	3	12		08.2	80	73	ENE	12	6	1.4	6	Cu	16						
	0800		0/8	25		09.4	81	74	ENE	10	2	1.2	2	Cu	18	10	As	100			
	1100		0/8	25		09.7	85	72	ENE	10	0	0.3	1	Cu	18	10	As	100			
	1400		0/8	20		08.5	85	73	ENE	10	6	1.2	1	Cu	18	10	As	100			
	1700		0/8	20		08.3	84	77	E	8	3	0.2	2	Cu	18	10	As	140			
	2000		0/8	12		10.1	82	73	E	22	3	1.8	3	Cu	18	10	As	140			
	2300		0/8	12		11.4	82	73	ENE	18	1	1.3	3	Cu	18	10	As	140			
KWAJALEIN	0000		3/8	15		07.5	80	76	NE	9	6	0.3	4	Cu	15	4	As		2	Cs	
	0300	R15	8/8	16	L	09.8	79	73	SE	25	-	-	8	Cu	15	2	As				
	1100		0	6		09.8	79	76	E	25	X	0.7	10	Sc	15						
	1400		3/8	6	RW-	08.1	81	75	ESE	25			4	Cu	15	6	As				
	1700		0	2	L	08.8	78	73	SE	30	X	0.3				10*	As				
	2000																				
	2300		8/8	6		11.0	79	73	SE	15	3	0.8	8	Cu	12	2	As				
MAJURO	0130	R18	0	3	RW	07.1	81	77	E	20	8	1.4	10	Sc	18						RWB 0030 E 01300 RWB 0230 E 0330
	0330	R18	0	5	R	07.1	77	76	NE	16	5	0.0	10	Sc	18						R B0330 E0930
	0730	R12	0	1	R	09.7	77	76	NE	16	3	2.6	10	Ns	12						
	1030		3/8	4	R-	10.6	77	74	NE	10	1	0.9	4	Sc	10	6	As				R-B0930 E1130 R/B1130 E1330
	1330	R6	0	1	R	09.8	76	75	E	20	7	0.8	10	Ns	6						R B1330 E1430 RWB1430 E1530
	1630	R60	R8	10		09.3	78	72	ESE	4	1	0.5	3	Cu	10	7	As	60			R-B1730 E1930
	1930	R60	R8	10		11.4	77	75	E	4	3	2.1	3	Sc	20	7	As	60			
	2230	R20	8/8	10		12.0	79	73	E	1	1	0.6	7	Sc	20	2	As				R-B2330 E2530
TARAWA	0500		8/8	15		06.1	83	76	ESE	15			3	Cu	15				1	Ci	
	1100		8/8	15		06.8	86	76	ENE	8	4	0.1	3	Cu	15	2	Ac		1	Ci	
	1700		8/8	15		09.8	82	72	ENE	9	2	0.5	3	Cu	15				1	Ci	
	2300																				
WAKE	0200		8	12		14.2	80	73	E	10	6	0.7	2	Cu	20						
	0500		8	12		13.5	79	73	E	10	8	0.7	2	Cu	20						
	0800		8	12		13.9	82	72	ENE	10	3	0.4	3	Cu	20						
	1100		8	12		14.2	85	71	ENE	8	1	0.3	2	Cu	20						
	1400		8	12		13.5	86	74	ENE	10	8	0.7	3	Cu	20						
	1700		8/8	12		12.9	84	71	E	10	6	0.6	2	Cu	20	2	As	150			
	2000		8	12		14.9	80	74	ENE	9	3	2.0	3	Cu	20						RW-B 1900 E 1910
	2300		8	12		16.3	80	74	ENE	10	3	1.4	3	Cu	20						
RED DOG 3																					
RED DOG 4																					

SURFACE OBSERVATIONS — 2 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000-1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. FREE. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/	15		12.1	81	74	ENE	20	8	0.9							4	Ci	
	0500		S/S	15		11.9	82	74	ENE	18	5	0.2	4	Cu	25				2	Ci	
	0800		S/S	15		12.6	84	74	ENE	18	5	0.7	2	Cu	25				2	Ci	
	1100		S/S	15		12.6	89	75	ENE	20	5	0.0	4	Cu	25				2	Ci	SCTD HV
	1400		S/S	15		11.2	85	74	E	18	8	1.4	5	Cu	25				4	Ci	
	1700		S/S	15		11.0	84	74	ESE	17	5	0.2	5	Cu	25				7	Cs	
	2000		S	15		11.9	82	72	E	18	5	0.9	2	Cu	25						
	2300		C	15		12.9	82	72	ENE	16	1	1.0									
ENIWETOK	0200		S/S	12		09.8	81	75	ESE	15	8	1.6	4	Cu	18	9	As	120			
	0500		S/S	12		08.6	80	75	ESE	10	8	1.2	4	Cu	18	6	As	100			
	0800		O/S	15		09.8	81	75	E	11	5	1.0	1	Cu	18	10	As	100			
	1100	R18	O/S	15		10.6	83	76	E	12	5	1.0	6	Cu	18	10	As	100			
	1400		O/S	20		09.1	85	73	E	12	6	1.5	4	Cu	18	10	As	100			
	1700		S/S	20		10.1	83	76	E	14	0	1.0	3	Cu	18	6	Ac	100			
	2000		S/S	20		10.5	82	77	E	18	4	0.4	5	Cu	18	7	As	100			
	2300		S/S	20		11.4	82	77	E	16	3	0.9	4	Cu	18	6	As	100			
KWAJALEIN	0500		S	15		09.1	78	75	NE	12	X	XX	4	Cu	15						
	0800																				
	1100		S/S	15		10.5	87	76	NE	15	5	0.3	3	Cu	15	7	As				
	1400		S/S	15		09.5	89	77	NE	15	8	0.6	3	Cu	15	2	As				
	1700		S/S	15		09.1	84	76	NE	20	6	0.1	4	Cu	15				2	Cs	
	2000		S	12		11.2	82	75	NE	24	5	0.9	3	Cu	15						
	2300		S	15		10.2	81	74	NE	25	2	0.2	2	Cu	15						
MAJURO	0130		S/S	12		10.4	78	75	N	4	9	1.6	4	Sc	20	4	As				
	0430		S/S	12		09.5	81	76	N	8	8	1.1	2	Sc	20	3	As				
	0730		S/S	12		10.7	82	77	NE	14	5	1.9	5	Cu	20	3	As				HV- E0940 E0942
	1030		S/S	12		11.1	85	79	NE	16	1	0.4	2	Cu	20	4	Ac		1	Cs	
	1330		S	12		08.8	85	77	NE	12	8	2.3	2	Cu	20						
	1630		S/S	12		08.6	83	76	NE	12	6	0.2	3	Cu	20				2	Cs	
	1930	R20	S	12		10.0	80	77	NE	12	5	1.4	7	Cu	20						
	2230		S	12		11.3	81	75	NNE	16	1	1.3	5	Sc	20						
TARAWA	0000		S/S			09.8	82	72	ENE	8	7	.3	3	Cu	25				1	Ci	
	0300		S			07.8	82	77	NE	8	7	0.2	3	Cu	25						
	0600		S			06.1	82	73	NNE	13	5	1.7	2	Cu	25						
	0900		S/S			10.2	89	73	NNE	6	1	4.1	2	Cu	25	3	As	150	2	Ci	AC 150
	1200		S/S			09.8	87	76	NE	10	7	0.4	3	Cu	30	2	As	160	2	Ci	AC 160
	1500		S/S			07.8	88	76	NE	8	7	2.0	2	Cu	30	2	As	160	3	Ci	AC 160
	1800		S/S			07.1	84	77	NE	9	6	0.7	3	Cu	25	5	As	160			AC 160
	2100		S			09.8	89	76	E	7	5	2.7	2	Cu	30						
WAKE	0200		S	12		15.6	80	73	ESE	10	6	0.7	3	Cu	20						
	0500		S	12		15.6	79	70	ESE	10	3	0.0	4	Cu	20						
	0800		S	12		16.9	82	71	ESE	10	5	1.3	3	Cu	20						
	1100		S	12		16.6	85	71	ESE	10	5	0.3	1	Cu	20						
	1400		S	12		14.2	86	72	E	5	8	2.4	1	Sc	80						
	1700		S/S	12		14.6	85	73	ENE	10	5	0.4	1	Cu	20	1	As	150			
	2000		S/S	12		15.6	81	74	ENE	8	5	1.0	1	Cu	20	1	As	150			
	2300		S/S	12		16.9	80	74	E	10	5	1.5	2	Cu	20	1	As	150			
BIRD DOG 3	0000		S	12		13.0	85	72	E	14	0	0.1	2	Cu	-						
	0300		S	12		12.1	80	73	E	18	8	0.9	4	Cu	-						
	0600		S	12		12.0	80	73	ENE	14	0	0.1	4	Cu	-						
	0900		S/S	12		13.5	82	73	ENE	20	5	1.5	2	Cu	-	3	As	-			
	1200		S/S	12		13.4	85	73	ESE	18	7	0.1	1	Cu	-	6	As	-			
	1500		S/S	12		12.0	85	73	E	16	3	1.4	4	Cu	-	3	As	-			
	1800	R20	O	6	HV-	12.6	81	77	E	17	5	0.6	10	Sc	20						HV- S 1800 E Not Reported
	2100		S	12		13.9	80	76	E	14	5	0.9	2	Cu							
BIRD DOG 4																					

SURFACE OBSERVATIONS

5 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		C	15		11.2	81	74	NNE	20	8	2.3									
	0900		8	12		11.6	81	74	NE	17	5	0.3	5	Cu	25						
	0800		8	15		12.2	84	76	NE	18	5	0.7	4	Cu	25						
	1100	BKN	8	10		12.3	82	77	ENE	16	8	0.0	6	Ns	25	4	As	80			RW to W RW B1005 E 1015
	1400		8/8	15		10.7	86	79	ENE	18	8	1.6	4	Cu	25	2	As	80	1	Ci	RW B1205 E1215
	1700		8/8	15		10.3	84	77	E	17	5	0.4	3	Cu	25				4	Cs	
	2000	BKN	8/8	15		12.0	83	77	E	22	2	1.7	6	Cu	25				1	Ci	
	2300		8	15		12.3	80	76	ENE	17	2	0.5	4	Cu	25						RW B2200 E2235 RW B1040 E1055
ENIWETOK	0300		8/8	12		11.1	81	75	E	16	6	0.3	3	Cu	18	4	As	100			
	0900		8/8	12		10.3	81	75	E	16	6	0.8	3	Cu	18	4	As	100			
	0800	BKN	8/8	30		11.0	82	75	E	12	3	0.7	6	Cu	18	1	Ac	100			
	1100	BKN	8/8	30		11.6	86	75	E	18	3	0.6	6	Cu	18	-	-	-	2	Cs	
	1400	BKN	8/8	30		09.9	85	75	E	12	6	1.7	6	Cu	18	-	-	-	3	Cs	
	1700		8/8	30		09.6	84	76	E	14	5	0.3	3	Cu	18	-	-	-	7	Cs	
	2000		8/8	20		10.5	82	77	E	11	3	0.9	4	Cu	18	-	-	-	6	Cs	
	2300		8/8	20		11.4	81	75	E	10	7	0.9	4	Cu	18	-	-	-	5	Cs	
KWAJALEIN	0300		8	15		09.8	XX	XX	NE	25	8	0.1	3	Cu	15						
	0800																				
	1100		8/8	15		11.2	88	76	E	15	4	0.2	3	Cu	15				2	Cs	
	1400		8/8	12		09.5	89	75	NE	14	8	0.6	4	Cu	15				1	Ci	
	1700		8/8	15		09.5	84	76	NE	15	5	0.2	3	Cu	15	4	As		3	Cs	
	2300		8/8	15		11.2	79	75	NE	15	5	0.9	3	Cu	15				5	Cs	
MAJURO	0130		8	12		10.1	81	75	NE	14	3	1.2	5	Sc	20						
	0430	BKN	8	12		09.2	81	76	NE	10	6	0.9	8	Sc	20						
	0730		8/8	12		10.4	83	77	NE	13	3	1.2	5	Cu	20	1	As				
	1030		8/8	12		10.8	83	78	NE	16	1	0.4	3	Cu	20	3	As				
	1330		8/8	12		09.0	86	80	E	20	7	1.8	2	Cu	20	5	As				
	1630		8/8	12		08.3	80	77	NE	12	6	0.7	4	Sc	18	4	Ac				R-B1518 E1529
	1930		8/8	12		09.7	81	78	NE	16	3	1.4	2	Cu	20	4	As				
	2230		8	12		10.3	81	78	E	14	3	0.6	3	Cu	20						
TARAWA	0000		C			10.5	82	74	E	7	9	0.3									
	0300		8/8			08.6	81	75	E	7	9	0.9	1	Cu	30				3	Ci	
	0600		8/8			08.3	81	74	E	6	5	0.1	1	Cu	30				2	Ci	
	0900		8/8			10.3	86	76	E	4	3	0.2	3	Cu	25				4	Ci	
	1200		8/8			10.2	88	77	E	7	9	0.3	2	Cu	30				4	Ci	
	1500		8/8			08.0	86	76	SE	8	8	1.4	3	Cu	30				2	Ci	
	1800		8/8			07.3	86	75	SE	8	5	2.3	2	Cu	30				3	Ci	
	2100		8			09.1	84	76	SE	7	2	1.6	3	Cu	25						
WAKE	0000		8/8	12		16.3	79	73	E	9	6	0.6	2	Cu	20	1	As	150			
	0300		8	12		15.6	80	73	E	10	6	0.7	3	Cu	20						
	0600		8	12		16.3	82	73	E	10	3	0.7	3	Cu	20						
	1100		8	12		16.3	84	73	E	10	3	0.0	2	Cu	20						
	1400		8	12		14.6	86	72	E	11	6	1.7	2	Cu	20						
	1700		8	12		14.6	84	70	ENE	11	3	0.0	3	Cu	20						
	2000		8	12		15.9	82	72	ENE	8	3	1.3	2	Cu	20						RW-B1935 E1945 RW-B2040 E2100
	2300		8	8		16.9	78	73	E	10	3	1.0	4	Cu	20						RW B2100 E2200 RW-B2200 E2210
BIRD DOG 3	0000		8/8	12		12.3	80	73	E	17	8	0.3	3	Cu	20						
	0300		8	12		11.3	79	72	E	17	8	1.0	3	Cu	20						
	0600		8	12		11.8	79	73	E	18	3	0.3	3	Cu	20						
	0900	BKN	0	8		12.6	80	76	E	15	3	0.8	10	Sc	20						
	1200		8/8	12		14.4	82	73	E	16	3	1.8	4	Cu	20	2	Ac	-			
	1500		8/8	12		12.3	83	77	E	18	8	1.9	3	Cu	20	2	As	-			
	1800		8/8	12		12.6	83	73	E	17	3	0.1	3	Cu	20	2	Ac	-			
	2100		8/8	12		14.6	80	73	E	16	3	2.0	2	Cu	20	3	Ac	-			
BIRD DOG 4																					

SURFACE OBSERVATIONS — 4 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	KEY 3-HR. PRES.-CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000	M25	0	6	BF	11.5	78	73	E	15	8	1.0	10	Sc	25						R- B2345 B0240
	0900	M25	8	8		11.0	80	74	NE	20	8	0.5	7	Sc	25	2	Ac	60			R- B0400 B0430
	0800		S/S	12		12.6	83	73	NE	21	3	1.6	3	Cu	25				3	Ci	
	1100		S/S	25		11.4	85	74	NE	22	9	1.2	3	Cu	25				4	Ci	
	1400		B/S	15		10.0	86	73	ENE	21	6	1.4	2	Cu	25				6	Cs	
	1700		S/S	15		10.0	84	71	E	21	3	0.0	3	Cu	25				4	Ci	
	2000	M25	B	12		11.0	83	75	ENE	19	3	1.0	6	Cu	25						
	2300		C	12		11.3	82	72	E	20	3	0.7									
ENIWETOK	0200		S	30		10.2	81	77	E	17	8	1.2	2	Cu	18						
	0500		S	30		10.3	81	75	E	18	4	0.1	1	Cu	18						
	0800		S/S	30		11.5	83	73	E	12	3	1.2	2	Cu	18	-	-	-	4	Cs	
	1100	M18	B	30		11.8	87	75	ENE	15	0	0.3	7	Cu	18						
	1400	M18	B	30		09.7	87	75	ENE	12	6	2.1	6	Cu	18	-	-	-			
	1700	M18	B	30		09.2	85	75	ENE	11	3	0.3	6	Cu	18						
	2000	M10	0	2	RW-	10.3	78	77	ENE	15	3	1.1	10	Cb	10						DSTNT LTNG RW-B1900 B2200
	2300	M15	0	2	RW-	11.4	79	76	ENE	14	3	1.1	10	Cb	15						DSTNT LTNG RW-B2200 B2300
KWAJALEIN	0500		S	15		08.5	80	77	NE	15	X	0.7	3	Cu	15						
	0800																				
	1100		S/S	15		10.2	86	76	NE	15	0	0.0	3	Cu	15	3	Ac				
	1400		S/S	12		08.1	86	73	E	12			3	Cu	15	2	Ac				
	1700		S/S	15		08.1	86	80	E	15	8	0.3	3	Cu	15	3	Ac				
	2000		S/S	12		10.2	81	M	E	14	X	XX	3	Cu	15	3	Ac				
	2300		S/S	15		10.3	81	77	E	15	2	0.3	3	Cu	15	2	As		1	Cs	
MAJURO	0130		S/S	12		09.4	81	77	E	20	8	0.9	4	Cu	30	3	As				
	0430		S/S	12		09.0	81	77	E	12	6	0.4	3	Cu	30	3	As				
	0730		S/S	12		10.8	82	78	NE	12	1	1.8	3	Cu	18	3	As				
	1050	M18	0	4		11.3	78	77	E	8	1	0.7	9	Sc	18						RW- B1000 B1015
	1330		B/S	12		09.5	82	75	E	4	6	3.0	2	Sc	20	7	Ac				
	1630		B/S	12		08.8	82	77	NE	9	2	0.3	1	Sc	10	8	As				
	1930		S/S	12		10.4	80	78	NE	10	1	1.6	4	Sc	20	3	Ac				
	2230	M25	B	12		11.4	80	77	NE	8	3	1.0	9	Sc	25						
YARAWA	0000	S	S			10.2	83	76	SE	8	3	0.3	3	Cu	20						
	0300		S/			08.3	82	73	S	9	9	1.7				2	As	110	2	Ci	AC 110
	0600		S			08.3	81	73		Calm	6	0.0	2	Cu	32						
	0900		B/S			10.2	84	78	SE	6	3	1.7	3	Cu	30	2	As	120	2	Ci	AC 120
	1200		S			09.8	88	77	NE	4	9	1.4	4	Cu	20						
	1500		B/S	12	RW-	07.8	83	79	SE	6	7	2.0	4	Cu	20				2	Ci	RW-B1500 E Not Reported
	1800		S/S			07.3	87	73		Calm	5	0.3	2	Cu	25				3	Ci	
	2100	M20	S/S	8	R-	06.4	82	76	NE	11	3	1.1	6	Cu	20	2	Ac	120			R- B2100 E Not Reported
WAKE	0200		S	12		15.6	79	72	E	5	6	1.7	2	Cu	20						RW-B0050 B0058 RW B0250 B0300
	0500		S	12		15.6	79	72	ENE	9	3	0.0	5	Cu	50						RW B0520 B0550 RW-B0545 B0655
	0800	M20	B/S	3	RW/	16.3	78	73	ESE	5	4	0.7	7	Sc	20	6	As	120			RW-B0710 B0850
	1100		S/S	12		15.9	84	74	E	5	8	0.4	2	Cu	20	1	As	150			
	1400		S/S	12		14.9	86	73	NE	5	8	1.0	1	Cu	20	1	As	180			
	1700		S	12		14.8	84	74	ENE	6	8	0.7	4	Cu	20						
	2000		S	12		15.2	82	72	ENE	6	3	1.0	5	Cu	20						
	2300		S	12		16.3	80	73	ENE	10	2	1.1	2	Cu	20						
SEED DOG 3	0000		S/S	12		15.2	80	75	E	15	3	0.6	2	Cu	20	3	Ac	-			
	0300		S	12		14.0	79	75	E	16	8	1.2	2	Cu	20						
	0600		S	12		13.6	79	75	E	16	8	0.4	4	Cu	20						
	0900		S/S	12		14.5	81	76	E	17	3	0.3	2	Cu	20	1	As	-			
	1200		S	12		13.9	83	75	E	16	8	0.6	3	Cu	20						
	1500		S	12		12.8	82	77	E	18	8	1.7	4	Cu	20						
	1800		S	12		13.9	82	77	E	15	3	1.7	2	Cu	20						
	2100		S	12		14.0	80	73	E	14	3	0.1	3	Cu	20						
SEED DOG 4																					

SURFACE OBSERVATIONS

5 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)		VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	CHAR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
		SKY																			
BIKINI	0800		C	12		10.6	81	71	E	19	8	0.7									
	0900		S/S	15		10.8	80	71	ENE	16	4	0.2	1	Cu	25				1	Cl	
	0800		S/S	15		11.7	82	71	ENE	20	3	0.9	4	Cu	25				1	Cl	SHARP DROP IN DEW POINT
	1100		S/S	15		11.0	85	71	E	21	8	0.7	1	Cu	20				1	Cl	
	1400		S/S	15		09.8	83	72	ENE	15	8	1.2	1	Cu	25				1	Cl	
	1700		S/S	15		09.8	83	71	ENE	16	5	0.0	1	Cu	25				2	Cl	
	2000		S/	15		11.4	85	72	E	14	3	1.6							3	Cl	
	2300		S/S	15		11.6	81	71	NE	18	0	0.2	2	Cu	20				2	Cl	
ENIWETOK	0000	K16	0	6		09.7	81	78	ENE	18	8	1.7	10	Cb	16						POINT LIMA B 0000 E 0100 RW B 0100 E 0200 RW B 0300 E 0400 RW B 0400 E 0500
	0300	K14	0	6		09.6	79	77	ENE	17	5	0.1	10	Cu	14						
	0600	K14	0/S	15		10.7	82	78	E	19	6	1.1	6	Cu	18	10	As	100			
	1100	K18	S/S	20		10.3	84	79	E	18	8	0.4	6	Cu	18	-	-	-	5	Cs	
	1400	K18	S/S	25		08.8	86	78	E	14	6	1.5	6	Cu	18	-	-	-	4	Cs	
	1700		S/S	25		10.0	84	77	E	18	4	1.2	4	Cu	18	-	-	-	6	Cs	
	2000		S/S	25		09.6	82	75	E	15	9	0.4	4	Cu	18	-	-	-	5	Cs	
	2300		S/S	25		10.4	81	74	E	12	3	0.8	3	Cu	18	-	-	-	2	Cs	
KWAJALEIN	0300		S/S	15		10.8	80	77	NE	12	5	0.2	4	Cu	15	2	As		1	Cs	
	0800																				
	1100		S/S	15		10.2	84	78	NE	15	8	0.8	5	Cu	15	2	As		1	Cs	
	1400	K15	S/S	12		08.1	86	75	NE	25	8	10	7	Cu	15	1	As				
	1700		S/S	15		10.2	84	78	NE	25	8	0.8	5	Cu	15	2	As		1	Cs	
	2000																				
	2300		S/S	15		07.1	84	75	NE	15	5	0.6	4	Cu	15	3	As		3	Cs	
MAJURO	0130	K18	S/S	12	R-	09.5	79	78	NE	12	0	1.9	9	Sc	18	1	Ac				R-R 0130 E0230
	0430	K18	S/S	8		09.1	80	77	NE	12	8	0.4	6	Sc	18	3	As				
	0730	K15	0	2	R-	11.4	76	76	NE	14	3	2.3	10	Sc	15						R E0605 E0620 R/ 0630-0637
	1030	K12	S/S	3	R-	10.8	78	76	E	12	0	0.6	8	Sc	12	2	As				
	1330		S/S	10		07.7	80	76	NE	8	8	3.1	5	Sc	18	5	As				
	1630	K20	S/S	10		07.7	81	78	N	8	6	0.0	7	Sc	20	4	As				RW/ B1640 E 1645
	1930		S/S	10		08.9	81	76	N	8	1	1.2	5	Sc	20	5	As				
	2230	K18	S/S	12		09.5	80	77	N	16	0	0.4	6	Sc	18	3	As				RW / B 2207 E 2250
TARAWA	0000		S/S			10.2	79	76		Calm	1	1.0	3	Cu	25	2	As	120			
	0300		S/S			08.1	82	77	NNE	6	8	2.1	3	Cu	25				2	Cl	
	0600		S			09.1	81	75	NW	8	6	1.0	4	Cu	25						
	0900		S/S			10.5	81	77	N	10	3	1.4	4	Cu	20	4	As	120			
	1200		S/S			09.5	83	77	N	3	7	1.0	2	Cu	20	3	As	120			AC 120
	1500		S/S			08.8	85	77	ENE	6	8	2.7	3	Cu	25				4	Cl	
	1800		S/S			08.4	86	75	NE	5	5	0.4	3	Cu	25				4	Cl	
	2100		S			07.8	82	78	ENE	6	3	1.4	3	Cu	25						
WAKE	0000		S	12		15.6	80	72	ENE	7	8	0.7	3	Cu	20						
	0300		S	12		14.9	79	73	ENE	6	8	0.7	1	Cu	20						
	0600		S/S	12		15.6	82	72	ENE	5	1	0.7	2	Cu	20				3	Cl	
	1100		S/S	12		14.9	86	71	ENE	9	8	1.5	3	Cu	20	1	As	130	1	Cl	
	1400		S	12		14.2	87	78	ENE	9	8	0.7	2	Cu	20						
	1700		S	12		13.2	84	71	NE	6	9	1.0	2	Cu	20						
	2000		S/S	12		13.9	80	72	NE	10	2	0.7	3	Cu	20				1	Cs	
	2300		S	12		14.2	80	73	ENE	5	3	0.3	2	Cu	20						
BIRD DOG 3	0000		S	12		14.5	79	75	E	14	3	0.1	2	Cu	20						
	0300		S	12		14.5	79	75	E	15	0	0.0	3	Cu	20						
	0600		S/S	12		13.0	80	75	E	13	8	1.5	3	Cu	20	2	As	-			
	0900		S	12		14.9	81	74	E	19	3	0.1	3	Cu	20	2	As	-			
	1200		S/S	12		13.6	82	75	E	18	8	1.3	3	Cu	20	4	As	-			
	1500		S/S	12		13.0	83	76	E	16	8	0.6	3	Cu	20	3	As	-			
	1800		S/S	12		14.4	81	74	E	15	3	1.4	3	Cu	20						
	2100		S/S	12		14.1	80	73	E	12	9	0.2	2	Cu	20	3	As	-			
BIRD DOG 4																					

SURFACE OBSERVATIONS — 6 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		8	15		10.3	81	71	ENE	13	8	1.5	1	Cu	20						
	0900		8	15		10.4	81	73	ENE	11	2	0.1	2	Cu	20						RW B 0456 E 0432
	0800		8/8	15		11.9	87	75	NE	10	5	1.5	5	Cu	25				1	Ci	
	2200		8	15		11.5	82	75	ENE	15	X	XX	3	Cu	25	2	Ac	40			
	1400		8	15		10.4	85	75	ENE	15	8	1.1	4	Cu	25	2	Ac	60			RW B1210 E1221
	1700	R25	8 8	10		09.8	82	77	E	18	6	0.6	6	Cu	25	3	Ac	80			SCTD RW RW B 1600 E 1620
	2000	R25	8	8		12.1	79	76	ENE	17	3	2.3	8	Fo	25						RW B1730 E1740 RW B1751 E1800 RW B1940 E 2000
	2300	R25	0	6	R -	12.3	79	78	ENE	22	0	0.2	10	St	25						RW B 2210 E 0600
ENIWETOK	0200		8/8	25		09.8	81	74	ENE	18	8	0.6	3	Cu	18	-	-	-	3	Cu	1
	0500		8/8	25		09.2	81	74	ENE	11	6	0.6	4	Cu	18	-	-	-	2	Cu	
	0800		8/8	30		10.3	83	76	ENE	14	3	1.1	4	Cu	18	-	-	-	6	Cu	
	1100	R18	8/8	30		10.3	85	75	ENE	17	0	0.2	6	Cu	18	-	-	-	4	Cu	
	1400	R18	8/8	35		09.8	86	78	E	13	6	1.7	6	Cu	18	-	-	-	3	Cu	
	1700		8	35		08.1	83	77	E	13	6	0.7	5	Cu	18						
	2000		8	30		10.0	82	75	E	12	3	1.9	4	Cu	18						
	2300		8	20		11.0	81	74	E	15	1	1.0	3	Cu	18						RWB 2100 E 2200
KWAJALEIN	0300		8/8	15		08.8	81	74	NE	15	2	0.3	4	Cu	15	3	As		3	Ca	
	0800																				
	1100		8	15		09.1	80	73	NE	15	0	0.7	5	Cu	15						
	1400		8	12		08.1	90	75	NE	15	8	0.7	5	Cu	15						
	1700		8	15		10.2	87	76	E	15	X	0.4	5	Cu	15	1	As				
	2000		8/8	12		09.8	82	75	ENE	25	8	0.9	4	Cu	15	1	As				
	2300		8	15		07.8	85	72	NE	15	8	0.2	2	Cu	15						
MAJURO	0130		8/8	12		08.2	81	77	NE	15	8	1.1	5	Sc	50	2	As				
	0430		8/8	12		07.6	81	75	NE	10	8	0.6	5	Sc	18	3	As				
	0730		8/8	12		09.6	83	76	NE	16	3	2.0	5	Cu	20	3	Ac				
	1030		8/8	8		09.3	83	79	E	12	1	0.3	5	Sc	18	4	As				RW - B 0950 E 1030 RW - 1150 E1230
	1330	R20	8/8	12		07.5	83	76	NE	12	8	1.8	6	Cu	20	2	Ac				RB 1401 E 1424 R-B 1545 E 1646
	1630	R15	0	5	R-	08.1	78	77	E	22	5	0.6	10	Cu	15						R-B 1750 E 1810
	1930	R15	0	6	R-	09.3	79	77	E	10	2	1.2	10	Cu	15						R-B 1925 E 2015
	2230	R18	0	8		10.1	77	77	NE	10	1	0.8	10	Ns	18						RW/ B 2200 E 2230
TARAWA	0000		8			08.5	81	77	E	16	2	0.2	7	Cu	25						
	0300		8			08.5	81	77	E	9	8	0.0	4	Cu	25						
	0600		8			07.9	81	76	E	6	8	1.0	3	Cu	30						
	0900		8/8			09.1	85	78	NE	11	3	1.6	3	Cu	30				4	Ci	
	1200	R20	8/8	10	R-	08.5	86	78	E	18	7	1.6	6	Cu	20				2	Ci	R - B 1200 E NOT REPORTED
	1500	R15	8	6	RW-	07.1	77	76	SE	2	7	1.4	7	Cb	15						RW - B 1500 E NOT REPORTED
	1800		0/8			07.5	78	76	E	5	4	0.4	1	Cu	25	9	As	110			
	2100		8/8			09.9	79	76		Calm	2	2.0	3	Cu	25	6	As	120			
WAKE	0200		8	12		13.5	80	71	ENE	4	8	0.7	2	Cu	20						
	0500		8/8	12		13.2	78	68	NE	3	6	0.3	2	Cu	20	3	As	180			RW - B 0625 E 0850
	0800		8/8	12	RW-	14.6	78	74	NE	5	1	1.4	3	Cu	20	6	As	180			
	1100		8/8	12		14.2	85	73	NE	5	6	0.4	1	Cu	20				4	Ca	
	1400		8	12		13.2	86	72	ENE	5	6	1.0	3	Cu	20						
	1700		8	12		12.9	86	74	ENE	5	6	0.3	3	Cu	20						
	2000		8/8	12		14.2	81	73	ENE	5	3	1.3	3	Cu	20				2	Ci	
	2300		8/8	12	RW-	14.6	79	75	NE	9	0	0.4	3	Cu	20	4	As	160			RW B 2125 E 2130 RW-B2150 E2155
BIRD DOG 3	0000		8/8	12		13.4	79	71	E	12	8	0.7	2	Cu	20	2	As				
	0300		8	12		12.1	79	75	E	18	8	1.3	3	Cu	20						
	0600		8/8	12		12.3	79	72	E	18	3	0.2	2	Cu	20	5	As				
	0900	R20	8	12		13.5	80	76	E	18	3	1.2	9	Sc	20						
	1200	R20	8	12		13.6	83	78	E	22	3	0.1	9	Cu	20						
	1500	R20	8	12		12.1	81	77	E	14	8	1.3	7	Cu	20						
	1800		8	12		12.1	80	75	E	14	0	0.0	3	Cu	20						
	2100		8	12		13.8	80	75	E	12	3	1.7	4	Cu	20	4	Cu	30			
BIRD DOG 4																					

SURFACE OBSERVATIONS

7 JUNE

1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800	E25	0	6	R-	11.5	76	75	ENE	16	8	0.9	10		25						RW B2210
	0900	F1	obsd	1	RW	12.7	77	76	ENE	15	4	1.2	0	-	-	0	-	-	0	-	RW/ L0700
	0800	E30	0	8		13.1	76	75	ENE	24	2	0.4	9/	So	30						B11/370
	1100	E20	E5	10		12.7	85	77	E	20	9	0.4	2	Cu	20	8	As	70			
	1400		B/S	10		11.1	85	74	ENE	18	8	1.6	2	Cu	20	1	Ac	50	7	Cs	
	1700	E10	E5	12		11.0	83	74	ENE	17	5	0.1	1	Cu	20	9	As	80			
	2000	E30	E6	12		12.6	82	76	ENE	18	3	1.6	1	Cu	20	9	As	80			
	2300	E20	E5	12		13.0	82	73	ENE	12	1	0.4	3	Cu	20	7	As	80			
ENIWETOK	0300		S	15		09.0	80	76	E	15	6	2.0	3	Cu	18						
	0500		S	15		08.6	80	76	E	12	6	0.4	3	Cu	18						
	0800	E18	S/E	30		10.7	81	73	ENE	18	3	2.1	6	Cu	18	1	Ac	100	1	Cs	
	1100		S/E	30		10.8	85	74	ENE	14	0	0.1	5	Cu	18	-	-	-	1	Cs	
	1400		S/E	30		09.2	86	75	ENE	10	8	1.6	4	Cu	18	-	-	-	1	Cs	
	1700		S/E	30		08.7	85	74	ENE	10	5	0.5	2	Cu	18	1	As	140			
	2000	E14	0	6		10.6	77	76	ENE	9	3	1.9	10	Sc	14						R B1900 L2000
	2300	E16	E	6		11.3	80	75	ENE	9	0	0.7	8	Cu	16						
KWAJALEIN	0300		S	15		08.5	79	77	ENE	15	5	0.5	3	Cu	15						
	0800																				
	1100		S/S	15		09.8	82	76	SE	15	0	0.0	3	Cu	15	2	As		1	Cs	
	1400		S/S	12		07.8	84	77	ENE	15			3	Cu	15	3	As				
	1700		S/S	15		08.1	83	75	SE	15	X	0.3	3	Cu	15	2	Ac				
	2000		S/S	12		10.2	82	77	E	35	X	XX	3	Cu	15	3	As				
	2300		S/S	15		10.8	77	75	ESE	15	2	0.3	2	Cu	15	2	Ac		2	Cs	
MAJURO	0130		S/S	10		08.6	80	76	E	12	7	1.5	2	Sc	20	6	Ac				R- B0240 L0340
	0430		S/S	12		08.5	77	75	ESE	12	6	0.1	4	Sc	20	3	Ac				
	0730		S/S	12		10.3	80	77	E	12	3	1.8	4	Sc	20	2	As				
	1030		S/S	12		10.5	83	78	NE	12	0	0.2	2	Cu	20	4	As				
	1330		S/S	12		08.4	84	79	E	10	8	2.1	3	Cu	20	5	As				RW B1446 L1522
	1630		S/S	8		08.5	80	77	E	12	6	0.1	2	Cu	20	5	Ac				
	1930		S/S	12		10.4	80	76	E	12	1	1.9	3	Sc	20	3	As		2	Cs	
	2230	E15	S/E	8		10.8	80	79	E	9	9	0.4	7	Sc	18	2	As				RW-B2122 L2210
TARAWA	0000		S/S			02.8	80	77	SE	8	9	0.0	1	Cu	18	2	Ac	110	5	Ci	
	0300		S			09.1	79	76	ENE	4	8	0.7	2	Cu	20						
	0600		S			08.8	79	76	E	5	5	0.3	2	Cu	20						
	0900		S/S			10.8	84	77	E	5	2	0.0	3	Cu	25	1	Ac	130	1	Ci	
	1200		S/S			09.8	88	79	ENE	9	9	0.2	4	Cu	25				2	Ci	
	1500		S/S			07.8	89	77	ENE	8	7	2.0	3	Cu	25				3	Ci	
	1800		S/S			08.5	78	76	SE	7	2	0.7	2	Cu	25	5	As	140	1	Ci	
	2100		O/S			09.8	80	76	E	5	2	1.3	2	Cu	20				10	Cs	
WAKE	0200		S	12		13.5	78	74	E	5	7	1.1	2	Cu	20						
	0500		S	12		12.9	77	73	E	5	8	1.6	2	Cu	20						
	0800		S/S	12		14.6	83	73	ENE	6	1	1.7	3	Sc	30	1	As	150			
	1100		S/S	12		14.6	85	72	E	6	3	0.0	2	So	30	3	As	150			
	1400		S/S	12		13.9	85	73	ESE	8	1	0.7	3	So	30	2	As	150			
	1700		S	12		13.5	85	71	E	9	8	0.4	2	Cu	20						
	2000		S	12		11.9	81	71	E	10	2	1.4	3	Cu	20						
	2300		S	12		13.6	81	71	ESE	10	8	0.7	2	Cu	20						
BIRD DOG 3	0000		S	12		13.6	80	75	E	15	8	0.2	2	Cu	20						
	0300		S	12		12.8	77	75	E	17	8	0.8	2	Cu	20						
	0600		S	12		13.6	80	75	E	18	3	0.8	4	Cu	20						
	0900		S/S	12		15.2	81	76	E	15	3	1.6	2	Cu	20	1	As	-			
	1200		S/S	12		14.1	81	76	E	12	8	1.1	3	Cu	20	1	As	-			
	1500		S/S	12		13.0	83	76	E	12	8	1.1	2	Cu	20	1	As	-			
	1800		S/S	12		13.6	81	74	E	14	3	0.6	2	Cu	20	1	As	-			
	2100		S	12		13.1	80	75	E	14	3	1.5	4	Cu	20						
BIRD DOG 4																					

SURFACE OBSERVATIONS — 8 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200	Z80	SE	12		11.4	82	75	ENE	17	8	1.6	4	Cu	20	2	As	80			
	0500		S/S	12		11.6	81	75	ENE	17	4	0.2	4	Cu	20	1	Ac	60	6	Ci	
	0800	E20	E	12		12.6	85	76	ENE	15	3	1.0	4	Cu	20	2	As	80			
	1100		S/S	15		12.0	85	74	ENE	17	8	0.6	5	Cu	20				3	Ci	
	1400		S/S	15		11.6	85	75	ENE	16	8	0.4	4	Cu	20				4	Cu	
	1700		S	15		10.2	85	75	E	15	4	1.4	4	Cu	25						
	2000		S	15		12.5	84	75	E	17	5	2.5	4	Cu	25						
	2300		S	15		13.3	81	74	ENE	15	3	0.8	4	Cu	25						
ENIWETOK	0200	E14	O	6	RW-	09.9	78	77	E	8	6	1.4	10	Sc	14						RW B0200 E0300
	0500	E14	O	12		09.4	79	76	E	8	6	0.5	10	Sc	14						
	0800	E16	O	6	RW	11.3	78	77	E	10	2	1.9	10	Sc	16						RW B0500 E0700 RW B0800 E1000
	1100	E15	O	1	R	12.5	75	75	ESE	20	3	1.2	10	Sc	15						R B1000 E1200
	1400	E14	OS	2		10.5	75	76	ESE	11	8	2.0	8	Sc	14	10	As	80			
	1700	E12	O	4		10.4	78	77	ESE	19	5	0.1	10	Sc	12						R B1600 E1700
	2000	E60	OS	12		10.6	79	76	E	9	4	0.2	2	Cu	16	10	As	60			
	2300	E18	SE	12		11.6	79	76	E	12	2	1.0	6	Cu	18	3	Ac	80			
KWAJALEIN	0500		S/S	15		08.1	80	74	NE	15	X	0.7	3	Cu	15	3	As				
	0800																				
	1100		S/S	15		11.2	86	76	NE	3	2	0.0	2	Cu	15	1	Ac		1	Cu	
	1400		S/S	15		08.8	88	78	NE	3	6	1.2	3	Cu	15	1	As				
	1700		S/S	15		08.5	83	76	NE	25	5	0.1	5	Cu	15	1	As		1	Cu	
	2000		S/S	15		11.2	8X	76	ENE	25	2	0.8	5	Cu	15	5	As				
	2300		E/S	15		11.2	81	78	NE	12	6	0.2	4	Cu	15	3	As		3	Cu	
MAJURO	0130	E20	O	10		09.1	79	76	N	6	8	1.7	10	Cu	20						
	0430		S/S	12		09.8	80	77	N	5	6	0.7	4	Cu	20	1	Ac				R B 0350 E0705
	0730	E20	E	12		11.4	80	77	N	3	2	1.6	8	Cu	20						R B 0845 E0855
	1030		S/S	12		11.2	84	79	NE	12	0	0.2	4	Cu	20	2	Ac				RW) 0945 E1015
	1330		S/S	12		09.1	84	79	NE	10	8	2.1	4	Cu	20	2	As		1	Cu	RWB 1150 E1205
	1630		S/S	12		09.1	83	78	NE	12	5	0.0	4	Cu	20	3	As				
	1930		S/S	12		11.1	81	77	NE	11	2	2.0	5	Cu	20	2	As				
	2230		S/S	12		11.4	80	77	NE	12	1	0.3	5	Cu	20	2	As				
TARAWA	0000		E/S			09.8	80	77	SE	8	9	0.0	1	Cu	18	2	Ac	110	5	Cu	
	0300		S			09.1	79	76	ENE	4	8	0.7	2	Cu	20						
	0600		S			08.8	79	76	E	5	5	1.3	2	Cu	20				7	Cu	
	0900		S/S			10.8	84	77	E	5	2	2.0	3	Cu	25	1	Ac	130	1	Ci	
	1200		E/S			09.8	88	79	ENE	4	9	1.0	4	Cu	25				2	Ci	
	1500		E/S			07.8	89	77	ENE	8	7	2.0	5	Cu	25				5	Ci	
	1800		E/S			08.5	78	76	SE	7	2	0.7	2	Cu	25	5	As	140	1	Ci	
	2100		O/S			09.8	80	76	E	5	2	1.3	2	Cu	20				10	Ci	
WAKE	0200		S	12		13.2	80	72	E	10	3	0.4	2	Cu	20						
	0500		S	12		14.9	79	72	ESE	3	6	0.3	2	Cu	20						
	0800		S/S	12		15.9	82	74	ENE	6	5	1.0	4	Sc	80	1	Ac	150			
	1100	E20	S/E	3	RW	16.3	82	77	ESE	9	1	0.4	7	Cu	20	1	As	150	3	Ci	RW B 1050 E1100
	1400		S/S	12		14.9	84	74	E	5	8	1.4	2	Cu	20	2	As	150			
	1700		E/S	12		14.2	81	73	ENE	10	6	0.7	1	Cu	20	6	As	130			
	2000		S/S	12		15.9	80	74	ENE	9	1	1.7	3	Cu	30	3	As	110			RW-E2010 E2050
	2300		S/S	12		16.6	79	73	E	10	3	0.7	1	Cu	20	1	As	150			
BIRD DOG 3	0000		S	12		15.0	80	75	E	13	8	0.1	3	Cu	20						
	0300		S	12		14.2	79	75	E	14	8	0.8	4	Cu	20						
	0600		S/S	12		14.4	79	75	E	14	3	0.[illegible]	3	Cu	20	1	Ac	-			
	0900		S	12		15.8	81	77	E	13	3	1.4	4	Cu	20						
	1200		S	12		15.1	82	75	E	14	8	0.7	4	Cu	20						
	1500		S	12		15.5	81	76	E	14	8	1.6	5	Cu	20						
	1800		S	12		15.9	80	76	E	14	3	0.4	3	Cu	20						
	2100		S	12		15.8	80	76	E	17	3	1.9	3	Cu	20						
BIRD DOG 4																					

SURFACE OBSERVATIONS 9 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 5-SEC. PREC. CHARGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		8	15		11.9	81	74	NNE	19	8	2.0	1	Cu	25						
	0900		8	15		11.6	81	74	NNE	20	5	0.3	2	Cu	20						
	0800		8/8	15		13.0	83	73	NNE	20	5	1.5	4	Cu	15				1	Ci	
	1100	K15	8	15		12.5	84	74	NNE	20	8	0.5	6	Cu	15						
	1400		8	15		10.9	85	76	E	20	8	1.5	4	Cu	15						HAZE AT 2000 FT
	1700	K20	8/8	15		10.7	85	74	E	18	7	0.2	6	Cu	20				1	Ci	
	2000		8/8	15		12.8	83	73	E	18	5	2.1	3	Cu	20				3	Ci	
	2300		8/8	15		13.2	82	76	ENE	15	0	0.4	4	Cu	20				1	Ci	
EBENEYE	0800		8/8	30		09.9	81	77	E	20	6	1.7	5	Cu	18	3	As	100			
	0900	K18	0	12		09.6	81	75	E	21	7	0.3	10	Cu	18						
	0800	K18	8	30		11.0	82	73	E	22	3	1.4	6	Cu	28						
	1100		8	30		11.3	83	75	E	15	0	0.5	5	Cu	18						
	1400	K18	8	30		10.0	86	76	E	9	8	4.3	6	Cu	18						
	1700		8/8	30		09.0	84	76	E	9	6	1.0	5	Cu	18	1	Ac	100			
	2000	K18	8	30		10.0	82	76	E	10	5	1.2	6	Cu	18						
	2300		8	30		11.8	81	73	ENE	10	3	0.9	5	Cu	18						
KWAJALEIN	0500		8/8	15		09.8	79	75	NE	25	8	0.0	5	Cu	15	2	As		2	Cs	
	0800																				
	1100		8/8	15		10.8	82	78	E	20	6	0.4	3	Cu	15	1	As		1	Cs	
	1400		8/8	12		08.5	88	78	NE	25	8	1.8	5	Cu	15	1	As				
	1700		[illegible]	12		10.8	81	75	NE	15	2	0.2	4	Cu	15						
	2000		8	12		10.5	80	76	NNE	15	5	1.2	4	Cu	15						
	2300		8/8	10		09.8	79	75	NE	25	X	XX	5	Cu	15	2	As		3	Cs	
MAJURO	0130	K18	8/8	12		10.0	80	77	NE	16	8	1.4	7	Sc	18	3	An				RW B0250 E0350
	0630	K18	8/8	4		09.7	78	76	NE	12	8	0.3	6	Sc	18	2	As				
	0730		8/8	12		10.4	81	77	NE	10	2	0.7	1	Cu	20	4	As		3	Cs	
	1050		8/8	12		10.4	84	79	NE	12	0	0.0	2	Cu	20	3	Ac		4	Cs	
	1350		8/8	12		08.0	95	78	NE	14	8	1.5	3	Cu	20				2	Cs	
	1650	K20	0	2	FW	08.9	76	75	NE	6	5	0.0	10	Ns	20						RW B1440 E1450 RW/1540 E1700
	1950	P20	8/8	6	R	10.2	78	75	NE	12	3	1.6	7	Sc	20	2	As				RW B1850 E1950 RE2030 E2110
	2250	P18	0	6		11.2	78	77	E	24	1	0.7	10	Ns	18						
TARAWA	0000	K20	8/8			10.5	80	74	SE	15	0	0.2	6	Cu	20				8	Cs	
	0300		8			08.8	82	78	SE	8	8	1.7	1	Cu	30						
	0600		8/8			07.8	81	75	NE	10	5	1.0	2	Cu	25				7	Cs	
	0900		8/8			09.8	84	77	NE	8	3	2.0	2	Cu	25				3	Ci	
	1200		8/8			09.8	87	78	NE	7	0	0.0	3	Cu	25				2	Ci	
	1500		8/8			07.8	98	80	NE	10	8	2.0	3	Cu	25				3	Ci	
	1800		8/8			07.8	84	77	SE	11	5	0.0	4	Cu	25				2	Ci	
	2100		8/8			09.8	30	77	SE	8	5	2.0	2	Cu	25	2	Ac	140	1	Ci	AS 140
WAKE	0300		8	12		14.0	79	73	ENE	10	8	1.7	3	Cu	20						RW B0037 E0050
	0500		8/8	10		14.[illegible]	79	74	E	13	6	0.0	3	Cu	20	3	As	180			RW B0536 E0550
	0800		8	12		16.3	80	72	E	12	5	1.4	4	Cu	20						
	1100		[illegible]	12		15.6	84	73	E	10	9	0.7	2	Cu	20						RW E1220 E1225
	1400	K30	8	12		14.0	82	75	E	10	6	0.7	7	Sc	30						
	1700		8/8	12		14.2	84	73	E	10	6	0.7	1	Cu	20	2	As	150			RW- E1830 E1840
	2000		8/8	12		15.6	81	74	E	16	3	1.4	2	Cu	20	1	Ac	150			
	2300		8	12		16.6	81	74	E	11	3	1.0	4	Cu	20						
BIG DOG 3	0000		8	12		15.1	80	76	E	15	8	0.7	3	Cu	20						
	0300		8	12		14.0	79	73	E	16	8	1.1	2	Cu	20						
	0600		8	12		14.5	80	73	E	16	5	0.5	4	Cu	20						
	0900		8	12		15.4	80	76	E	15	3	1.0	4	Cu	20						
	1200		8	12		14.1	82	74	E	17	0	1.3	5	Cu	20						
	1500		8	12		12.7	81	76	E	17	8	1.4	4	Cu	20						
	1800		8	12		13.7	80	79	E	16	5	1.0	5	Cu	20						
	2100	ENV	8	12		15.5	80	75	E	16	5	1.8	6	Cu	20						
BIG DOG 4																					

SURFACE OBSERVATIONS 10 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (DEG.)	DEW POINT (DEG.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	DET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S	15	RW-	12.0	79	78	WSW	19	7	0.6	4	Cu	20						SCTD RW- R 0120 R 0300
	0500		S/S	15		12.0	81	79	E	11	3	0.0	7	Cu	20				3	Ci	
	0800		S/S	15		13.4	84	74	E	15	3	1.4	2	Cu	20				4	Ci	
	1100		S	15		13.4	86	75	E	17	0	0.0	3	Cu	20						
	1400		S/S	15		11.7	80	75	ENE	6	7	1.7	2	Cu	20						
	1700		S/S	15		11.3	88	74	ENE	15	6	0.4	3	Cu	20				3	Ci	
	2000		S	15		13.3	84	74	ENE	17	3	2.0	4	Cu	20						
	2300		S	15		14.1	82	75	ENE	16	1	0.8	1	Cu	20						
ENIWETOK	0200		S	20		09.9	81	75	ENE	10	6	1.9	5	Cu	18						
	0500		S	20		10.0	80	74	E	14	0	0.1	3	Cu	18						
	0800	M16	S/B	20		11.2	82	74	E	14	1	1.2	6	Cu	16	2	As	100			
	1100		S/S	30		11.3	83	76	E	20	0	0.1	5	Cu	18	2	Ag	100			
	1400		S	30		09.5	83	76	ESE	22	8	1.8	5	Cu	18						
	1700		S/S	30		09.0	83	76	E	21	5	0.5	4	Cu	18	1	As	100			
	2000	M80	B/S	12		10.7	82	77	ESE	19	3	1.7	4	Cu	18	6	Ac	80			
	2300	M18	B	12		12.3	81	77	ESE	20	3	1.6	6	Cu	18						
KWAJALEIN	0500		S/S	15		09.3	79	75	NE	25	X	XX	5	Cu	15	2	As		3	Cs	
	0800		S	15			82	75	E	15			5	Cu	15	1	As				
	1100		S/S	15		11.5	88	74	NE	15	0	0.2	2	Cu	15	?	As		2	Cu	
	1400		S/S	12		09.8	89	75	E	25	8	1.2	3	Cu	15	1	Ac		1	Ac	
	1700		S/S	15		08.5	88	73	NE	25	0	0.2	2	Cu	15	3	As		6	Cs	
	2000		S/S	15		11.2	82	74	E	15	X	XX	3	Cu	15	2	As		1	Cs	
	2300		S/S	15		11.2	82	74	NE	15	X	0.1	3	Cu	15	2	As		2	Cs	
MAJURO	0130	M18	O	10		09.5	79	77	NE	10	7	1.7	10	Ns	18						RB 0130 R 0830 R/B0132 R 0145
	0430	M15	O	5	R	09.7	79	78	NE	10	6	0.2	10	Ns	15						
	0730	M18	O	4	R	10.8	79	76	NE	12	2	1.1	10	Ns	18						
	1030	M18	O	3	R	10.2	76	75	NE	16	2	0.6	10	Ns	18						RW/B 0945 R 1024 RB 1030 R 1330
	1330		S/S	5	R-	10.1	78	77	NE	18	7	0.1	2	Sc	15	4	As				R-B 1330 R 1430
	1630	M50	BS	12		09.9	80	74	NE	14	6	0.2	1	Sc	20	9	As	50			RB 1535 R 1621
	1930		B/S	12		10.8	80	76	NE	10	3	0.9	3	Cu	20	7	Ac				
	2230	M80	BS	12		12.0	81	75	E	10	0	1.2	3	Sc	20	7	Ac	80			
TARAWA	0000		B/S			10.5	80	75	E	15	1	0.2	2	Cu	30				6	Cs	
	0300		B/S			09.1	80	77	SE	6	7	1.4	5	Cu	20				1	Ci	
	0000		S			09.5	81	76	SE	12	6	0.4	2	Cu	20						
	0900		S			09.8	84	78	E	11	2	0.5	3	Cu	25						
	1200		S/S			10.5	86	79	SE	11	0	0.7	2	Cu	25	1	As	160	1	Ci	AC 160
	1500		S			09.5	86	80	SE	10	8	1.0	2	Cu	25				1	Ci	
	1800		S			08.5	86	79	SE	3	8	1.0	3	Cu	25				1	Ci	
	2100		S/S			10.8	82	73	ESE	6	3	2.3	1	Cu	25				1	Ci	
WAKE	0200		S	12		15.6	81	73	E	15	6	1.0	3	Cu	20						RW 0230 R 0235
	0500		S	12		14.9	81	73	E	10	6	0.7	4	Cu	20						
	0800		S/S	12		16.6	80	74	E	9	1	1.7	4	Sc	80	1	As	130			
	1100		S/S	12		16.9	85	75	ESE	10	0	0.3	3	Sc	80	1	As	130			RW R 1044 R 1050
	1400		S	12		15.6	86	73	E	12	8	1.3	4	Cu	20						
	1700		S/S	12		14.2	85	75	E	12	8	1.4	2	Cu	20	1	As	150			
	2000		S	12		15.6	82	74	E	13	3	1.4	4	Cu	20						
	2300		S	12		16.9	82	74	E	14	3	1.3	3	Cu	20						
BIRD DOG 3	0000		S	12		15.2	79	73	E	15	8	0.3	2	Cu	20						
	0300		S	12		13.7	79	73	E	15	8	1.5	2	Cu	20						
	0600		S/S	12		14.6	79	73	E	14	3	0.9	3	Cu	20	1	Ac	-			
	0900	M20	B	12		15.4	80	76	E	19	3	0.8	7	Cu	20						
	1200		B/S	12		15.5	82	77	E	20	3	0.1	4	Cu	20	1	As	-			
	Abandoned Station																				
BIRD DOG 4																					

SURFACE OBSERVATIONS

11 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (-1000 MB)	TEMPERATURE (DEG. F.)	DEW POINT (DEG. F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRESS. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		S	15		12.5	81	73	ENE	15	8	1.6	5	Cu	20				2	Ci	
	0900		S	15		13.1	82	74	E	18	5	0.4	4	Cu	15						
	0800		S/3	15		13.2	86	75	ENE	18	3	1.1	4	Cu	15				2	Ci	
	1100		B/S	15		13.3	85	74	ENE	17	0	0.1	4	Cu	15				6	Cs	
	1400	M80	BS	15		11.5	86	75	ENE	14	8	1.8	4	Cu	17	6	As	80			
	1700		B/S	15		10.7	86	75	E	9	6	0.8	2	Cu	20	8	As	-			
	2100		S/S	15		12.6	84	76	E	8	3	0.2	2	Cu	20				4	Cs	
	2300		B/S	15		13.6	82	77	E	10	3	1.0	4	Cu	15				6	Cs	
ENIWETOK	0200		S	15		10.9	82	75	E	10	6	1.	5	Cu	18						
	0500		S	15		10.0	82	75	E	10	6	0.9	4	Cu	18						
	0800		S/S	25		11.8	82	75	E	14	3	1.8	5	Cu	18	-	-	-	5	Cs	
	1100		B/S	30		12.3	86	78	ENE	18	0	0.5	4	Cu	20	-	-	-	8	Cs	
	1400		O/S	30		10.8	85	75	E	10	8	1.5	5	Cu	20	-	-	-	10	Cs	
	1700		B/S	30		09.9	85	77	ENE	12	7	0.9	3	Cu	18	6	As	100	2	Cs	
	2000		S/S	25		11.8	82	75	ENE	10	3	1.9	2	Cu	18	3	As	100			
	2300		S/S	25		12.9	82	75	ENE	12	1	1.1	3	Cu	18	3	As	100			
KWAJALEIN	0500		S/S	15		10.5	78	77	ENE	14	4	0.1	4	Cu	15	2	As				
	0800		S/B	15		10.8	80	74	NE	12			5	Cu	15	2	As				
	1100		S/S	15		11.5	86	78	NE	15	0	0.8	3	Cu	15	3	As				
	1400		S/S	15		09.5	85	78	ENE	12	7	0.5	4	Cu	15	2	As				
	1700	K15	O	15		09.5	82	74	NE	14	4	0.1	10	Cu	15						
	2000		S/S	15		11.5	80	74	NE	12	3	1.1	5	Cu	15	2	As				
	2300		S/S	15		11.2	82	74	NE	15	3	0.3	5	Cu	15	2	As				
MAJURO	0130	K80	BS	12		10.5	81	77	E	16	8	1.5	3	Cu	30	7	As	80			
	0430	K70	BS	12		10.5	81	77	NE	12	6	0.0	3	Cu	20	6	Ac	70			
	0730		S/S	12		11.6	81	76	NE	15	2	1.1	4	Cu	20	5	Ac				
	1030		S/S	12		11.7	85	78	E	12	1	0.1	3	Cu	20	4	Ac				RW B 1230 E 1330
	1330		S/S	12		10.0	86	79	NE	10	8	1.7	2	Cu	20	4	Ac		1	Cs	
	1630		S/S	8		09.5	82	79	N	12	6	0.5	2	Cu	20	4	Ac		2	Cs	
	1930	K20	S/B	8		11.3	79	78	N	4	3	1.8	6	Sc	20	3	Ac				RW B 1930 E 1830
	2230	K20	S/B	12		12.0	81	77	NE	6	1	0.7	6	Cu	20	3	Ac				
TARAWA	0000		S			09.8	80	75	ESE	5	0	0.4	3	Cu	25						
	0300	K20	B			09.8	82	77	SE	6	7	0.0	6	Cu	20						
	0602		S			09.5	81	77	SE	6	5	0.3	2	Cu	20						
	0900		B/S			10.5	85	78	ENE	6	3	1.0	3	Cu	25				4	Ci	
	1200		B/S			10.2	88	80	E	8	9	0.3	3	Cu	25				3	Ci	
	1500		B/S			08.1	87	78	SE	7	8	2.1	3	Cu	25				3	Ci	
	1800		B/S			08.5	80	76	ENE	3	4	0.4	5	Cu	20				2	Ci	
	2100		S			10.5	82	78	ENE	7	4	2.0	3	Cu	20						
WAKE	0200		S	12		16.3	81	73	ENE	10	6	0.6	3	Cu	20						
	0500		S	12		15.6	80	72	ESE	10	6	0.7	3	Cu	20						RW-B 0625 E 0650
	0800		S	12		17.3	81	73	E	10	3	1.7	4	Cu	20						
	1100		S	12		17.6	86	73	E	10	2	0.3	2	Cu	20						
	1400		S	12		15.6	87	75	E	10	8	2.0	2	Cu	20						
	1700		S	12		14.2	86	73	E	8	6	1.7	3	Cu	20						RW-B 1845 E 1850
	2000		S/S	12		15.6	80	76	E	10	3	0.7	3	Cu	20	2	As	150			
	2300		S	12		16.6	80	74	ESE	5	3	1.0	5	Cu	20						
BIRD DOG 2																					
BIRD DOG 4																					

SURFACE OBSERVATIONS

12 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 (600 MBS.))	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	DET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0900	M15	S/B	10		11.3	82	74	NE	13	8	2.3	7	Cu	15				2	Cs	
	0500		S/S	15		11.9	80	73	ENE	15	4	0.6	4	Cu	15	2	Ac	50	1	Ci	
	0800	M80	S/B	15		13.0	83	73	NE	16	3	2.1	2	Cu	15	4	As	80	4	Cs	
	1100		S/S	15		12.4	84	79	ENE	17	8	0.6	2	Cu	15	2	As	120	5	Cs	
	1400		B/S	15		10.5	86	70	ENE	16	8	1.9	2	Cu	20				8	Cs	
	1700		S/S	15		09.6	86	73	ENE	13	5	0.9	4	Cu	15				2	Cs	
	2000		S	15		10.9	82	74	ENE	15	3	1.3	4	Cu	15						
	2300		S	15		11.7	82	72	E	11	1	0.8	4	Cu	15						
ENIWETOK	0200		O/S	20		11.8	81	75	E	11	6	1.1	2	Cu	18	10	As	100			
	0500		S/S	20		10.8	80	76	E	10	6	1.0	3	Cu	18	2	As	100			
	0800		B/S	30		12.2	83	74	ENE	9	3	1.4	5	Cu	20	-	-	-	7	Cs	
	1100		O/S	30		11.6	85	77	E	9	9	1.6	3	Cu	20	3	As	100	7	Cs	
	1400		B/S	30		11.3	86	75	E	9	9	0.3	4	Cu	20	-	-	-	7	Cs	
	1700		S/S	30		09.9	85	75	ENE	6	6	1.4	3	Cu	20	-	-	-	5	Cs	
	2000		O/S	20		11.0	82	75	E	6	3	1.1	2	Cu	20	-	-	-	10	Cs	
	2300		B/S	20		12.3	82	75	E	6	3	1.3	2	Cu	20	-	-	-	8	Cs	
KWAJALEIN	0500		S/S	15		10.2	77	76	NE	14	0	0.0	5	Cu	15	2	As				
	0800		S/S	15		09.5	82	76	NE	14			3	Cu	15	3	As				
	1100		B/S	15	RW	11.2	86	78	NE	25	0	0.2	4	Cu	15	6	Ac				
	1400		S/S	12		08.5	88	77	ENE	25	8	1.4	4	Cu	15	2	As				
	1700		B/S	15		08.1	86	76	NE	14	6	0.1	3	Cu	15	3	Ac		4	Cs	
	2000		S/S	30		10.5	82	76	NE	12	3	1.2	3	Cu	15	1	Ac		1	Cs	
	2300		S/S	15		10.9	81	74	E	14	0	0.2	3	Cu	15	2	Ac		2	Cu	
MAJURO	0130		B/S	12		09.7	81	78	NE	8	8	2.3	3	Cu	20	6	As				
	0430		S/S	12		09.8	71	75	NE	6	6	0.1	1	Cu	20	3	As				
	0730		B/S	12		11.7	80	73	NE	12	1	1.9	3	Cu	20	6	As				
	1030		B/S	12		11.0	83	76	NE	8	8	0.7	1	Cu	20	7	As				
	1330		S/S	12		08.5	85	77	NE	7	8	2.5	2	Cu	20	3	Ac				
	1630		S/S	12		08.8	83	78	NE	9	6	0.3	4	Cu	20	4	As				R / B 1730 E 1830
	1930	M15	O	1	R	10.4	75	74	N	1	1	1.6	10	Ns	15						R - B 1830 E 2030
	2230		S/S	10		11.2	80	76	NE	12	1	0.8	5	Sc	20	4	Ac				
TARAWA	0000		S			10.8	82	75	E	11	9	0.0	3	Cu	20						
	0300	M20	B			08.8	77	76	SE	5	7	2.0	9	Cu	20						
	0600		S			07.5	81	75	E	13	5	1.3	2	Cu	25						
	1900		B/S			11.2	83	76	E	14	4	3.7	2	Cu	25	4	As	130			AC 130
	1200		B/S			10.5	85	78	ENE	10	9	0.7	3	Cu	25				4	Cl	
	1500		B/S			08.5	88	78	ENE	11	8	2.0	3	Cu	25				4	Cl	
	1800		B/S	10		07.8	82	78	ENE	6	6	0.7	1	Cu	25	3	As	120	3	Cl	
	2100		B/S			10.5	81	77	E	4	3	2.7	2	Cu	20				10	Cl	
WAKE	0200		S/S	12		15.9	80	74	ENE	9	9	0.7	3	Cu	20	2	As	150			
	0500		S/S	12		15.2	80	70	E	6	8	0.7	1	Cu	20	3	As	150			
	0800		S/S	12		15.6	82	71	E	8	1	0.4	1	Cu	20	4	As	150	2	Cl	
	1100		B/S	12		15.6	86	73	E	3	3	0.0	1	Cu	20				8	Cs	
	1400		S/S	12		14.2	87	73	ENE	7	8	1.4	3	Cu	20				2	Cs	
	1700		S	12		13.2	86	73	ENE	10	8	1.0	3	Cu	20						
	2000		S	12		14.9	81	72	ENE	10	3	1.7	2	Cu	20						
	2300		S	10		15.6	78	73	ENE	5	1	0.7	5	Cu	20						RW B 2240 E 2255
BIRD DOG 3																					
BIRD DOG 4																					

SURFACE OBSERVATIONS 13 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	KEY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000		S	15		09.8	80	72	ENE	12	8	1.9	3	Cu	15						RW - B 0120 E 0130
	0300		S	15		09.6	80	73	ENE	14	8	0.2	5	Cu	15						RW - B 0445 E 0455
	0600		S	15		11.4	84	73	ENE	15	3	1.8	3	Cu	18						
	1100		S	15		11.1	84	74	ENE	16	8	0.3	1	Cu	18						
	1400		S	15		08.7	90	73	E	14	8	2.4	2	Cu	15						
	1700		S/S	15		08.5	88	72	E	14	5	0.2	3	Cu	15				2	Ci	
	2000		S/S	15		10.7	83	72	E	15	3	2.2	4	Cu	15				2	Ci	
	2300		S/S	15		11.0	82	72	ENE	12	1	0.3	3	Cu	15				2	Ci	
ENIWETOK	0000		O/S	20		10.6	80	74	ENE	8	6	1.7	2	Cu	18	-	-	-	10	Cs	
	0300		O/S	20		10.1	80	74	ENE	10	6	0.3	3	Cu	18	-	-	-	10	Cs	
	0600		S/S	20		11.6	82	75	ENE	10	3	1.3	3	Cu	18	-	-	-	8	Cs	
	1100		O/S	30		11.9	87	73	ENE	12	0	0.3	4	Cu	18	-	-	-	3	Cs	
	1400		S/S	30		09.3	88	74	ENE	10	8	2.4	3	Cu	18	-	-	-	4	Cs	
	1700		S/S	30		08.0	85	74	ENE	10	6	1.3	3	Cu	18	-	-	-	2	Cs	
	2000		S	25		09.1	81	74	ENE	9	3	1.1	2	Cu	18						
	2300		S	25		10.3	81	73	E	10	1	1.2	4	Cu	18						
KWAJALEIN	0000	X15	S/S	15	RW-	09.8	77	74	E	15	4	0.2	8	Cu	15	1	Ac		1	Cs	
	0800																				
	1100		S/S	15		10.2	85	77	NE	14	7	0.3	3	Cu	15	3	Ac				
	1400		S/S	15		08.1	86	76	NE	12	8	1.1	4	Cu	15	2	Ac				
	1700		S/S	15		07.8	86	75	NE	15	8	0.2	3	Cu	15				1	Cs	
	2000		S	12		09.8	81	75	E	25	X	XX	3	Cu	15						
	2300		S/S	15		11.2	81	75	E	15	2	0.8	5	Cu	15				2	Cs	
MAJURO	0130	X18	O	5	RW	09.8	78	77	N	14	8	1.4	10	Sc	18						RW BD 110 E 0135
	0430		S/S	8		09.0	80	76	NE	12	6	0.8	3	Sc	20	3	Ac				
	0730		S/S	12		11.2	82	75	N	12	3	2.2	3	Cu	20	6	Ac				
	1030		S/S	12		10.6	85	75	NE	12	0	0.6	1	Cu	20	7	As		2	Cs	
	1330		S/S	12		08.9	86	78	NE	6	8	1.7	3	Cu	20	2	As				
	1630		S/S	12		08.4	82	77	NE	10	5	0.5	3	Cu	20	5	Ac				
	1930		S/S	12		09.3	81	75	NE	12	3	0.9	3	Cu	20	6	Ac				
	2230		S/S	12		10.2	81	75	NE	6	3	0.9	4	Cu	20	4	A				
TARAWA	0000		S			10.5	79	76		Calm	6	0.1	2	Cu	20						
	0300		S/S			08.5	79	76		Calm	7	2.0	2	Cu	20	5	As	160			AC 160
	0600		S			09.1	79	75	SE	7	4	0.6	3	Cu	20						
	0900		S/S			09.5	83	75	NNE	3	3	0.4	2	Cb	25	1	Ac	140	2	Ci	
	1200		S/S			07.1	87	80	NW	4	0	2.4	2	Cu	25	3	As	130			
	1500		S/S			08.5	84	73	N	5	0	1.4	5	Cu	25	2	As	120	1	Ci	
	1800		S/S			06.8	83	73	N	2	5	1.7	3	Cu	25	2	As	130			
	2100		S/S			09.8	80	77	N	1	1	3.0	4	Cu	25	3	As	130	1	Ci	AC 130
WAKE	0000		S	12		14.6	79	73	NE	5	8	1.0	3	Cu	20						
	0300		S	12		13.5	80	73	ENE	10	8	1.1	2	Cu	20						
	0800		S/S	12		14.9	82	72	NE	8	3	1.4	3	Cu	20				4	Cs	
	1100		S/S	12		15.2	85	72	E	10		0.3	3	Cu	20				2	Cs	RW - B 1140 E 1155
	1400		S/S	12		13.2	86	73	E	9	8	2.0	2	Cu	20	1	As	150	3	Ci	
	1700		S/S	12		11.9	84	72	ENE	7	8	2.3	1	Cu	20	2	As	150	1	Ci	
	2000		S	12		12.9	82	72	E	10	3	1.0	1	Cu	20						RW B 2145 E 2155
	2300		S/S	12		13.5	80	74	E	10	3	0.6	3	Cu	20				3	Ci	
BIRD DOG 3																					
BIRD DOG 4																					

SURFACE OBSERVATIONS

14 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 to 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/S	15		09.1	81	71	ENE	10	8	0.9	2	Cu	15				1	Ci	
	0500		S/S	15		09.2	81	73	ENE	16	3	0.1	2	Cu	15				1	Ci	
	0800		S	15		10.7	82	71	E	16	3	1.5	3	Cu	20						
	1100		S	15		10.7	86	71	E	16	9	0.0	3	Cu	20						
	1400		S/S	15		09.5	84	71	ESE	12	8	1.2	3	Cu	20				1	Ci	
	1700		S/S	15		09.7	86	72	E	15	3	0.2	4	Cu	20				1	Cs	
	2000		S	15		11.2	84	73	E	16	3	1.5	4	Cu	20						RWO R1855 R1900
	2300		Clear	15		12.1	81	73	ENE	14	0	1.9									
ENIWETOK	0200		S	30		09.1	80	73	ENE	13	8	0.8	4	Cu	18						
	0500		S	30		08.2	80	74	ENE	8	8	0.7	2	Cu	18						
	0800		S/S	30		11.2	82	74	E	10	2	3.0	3	Cu	20				2	Ci	
	1100		S/S	30		10.0	85	75	E	13	6	1.2	3	Cu	20				1	Ci	
	1400	K18	S	30		08.1	85	75	E	12	6	1.9	6	Cu	18						RW- R1600 R1700
	1700	K18	S/S	20		07.1	80	74	ENE	9	6	1.0	6	Cu	18				3	Ci	
	2000	K18	S/S	20		08.9	80	76	ENE	11	3	1.8	8	Cu	18				2	Ci	
	2300	K18	S	20		11.6	81	75	ENE	9	3	2.7	7	Cu	18						
KWAJALEIN	0500		S/S	15		07.8	80	74	NE	14	8	0.5	3	Cu	15	1	As		1	Cs	
	0800																				
	1100		S/S	15		09.1	88	75	NE	14	0	0.1	3	Cu	15	2	As		2	Cs	
	1400		S/S	15		06.8	90	76	NE	12	8	1.3	3	Cu	15	3	As				
	1700	K15	S/S	15		06.8	85	77	NE	15	3	0.0	8	Cu	15	1	As		1	Cs	
	2000		S/S	12		XXX	85	72	NE	15	3	0.4	5	Cu	15	1	As		1	Cs	
	2300		S/S	15		08.8	81	74	NE	14	3	0.1	4	Cu	15	2	As				
MAJURO	0130		S/S	12		08.3	80	76	NE	12	8	1.3	3	Cu	20	2	Ac				
	0430	K18	S/S	10	RW-	08.4	80	77	NE	12	6	0.1	7	Sc	18	2	As				RW- R0425 R0439
	0730		S/S	12		09.5	81	77	NE	12	3	1.1	3	Cu	20				2	Cs	
	1030		S/S	12		09.5	84	79	NE	12	1	0.0	3	Cu	20				1	Cs	
	1330		S/S	12		07.6	86	75	NE	10	8	1.9	2	Cu	20	1	Ac				
	1630		S/S	12		07.2	82	77	NE	10	5	0.4	3	Cu	20				3	Cs	
	1930		S/S	12		08.5	81	75	NE	12	1	1.3	4	Cu	20				3	Cs	
	2230		S/S	12		09.4	81	75	NE	14	1	0.9	4	Cu	20	4	Ac				
TARAWA	0000		S/S			10.2	79	76		Calm	1	0.0	3	Cu	25	3	As	130			Ac 150
	0300		S/S			08.5	80	77		Calm	7	1.7	4	Cu	20	1	Ac	140			
	0600		S/S			07.8	78	75		Calm	4	0.7	1	Cu	20	1	Ac	140			
	0900		S/S			09.5	82	80		Calm	3	1.7	3	Cu	25				2	Ci	
	1200		S/S			09.8	86	78	E	5	0	0.3	3	Cu	25				2	Ci	
	1500		S/S			07.1	86	78	ENE	4	9	2.7	3	Cu	25				1	Ci	
	1800		S/S			07.1	85	77		Calm	4	0.0	2	Ci	25				3	Ci	
	2100		S			09.1	82	73		Calm	4	2.0	3	Cu	25						
WAKE	0200		S	12		11.9	79	73	ESE	8	6	1.6	3	Cu	20						
	0500		S	12		11.9	79	73	E	5	6	0.0	1	Cu	20						
	0800		S/S	12		13.2	80	74	E	9	4	1.3	1	Cu	20	6	As	150	2	Ci	
	1100		S/S	12		13.5	84	71	ESE	5	1	0.3	1	Cu	20	5	As	150	2	Ci	
	1400		S/S	12		12.5	87	72	ENE	5	8	1.0	2	Cu	20	7	As	150	2	Ci	
	1700		S/S	12		11.2	84	71	ENE	9	6	1.3	2	Cu	20	3	As	150	3	Ci	
	2000		S/S	12		12.2	81	74	ENE	8	3	1.0	1	Cu	20	9	As	150			
	2300		S/S	12		12.3	81	73	E	5	0	0.3	2	Cu	20	3	As	150			
BIRD DOG 3																					
BIRD DOG 4																					

SURFACE OBSERVATIONS — 15 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		S	15		10.7	82	71	ENE	13	5	1.4	3	Cu	20									
	0500		S	15		10.1	81	71	E	18	8	0.6	2	Cu	20									
	0800		S	15		11.5	82	72	ENE	16	4	1.4	1	Cu	20									
	1100		Clear	15		11.0	86	72	ENE	12	5	0.5												
	1400		S	15		10.1	83	73	ENE	15	8	0.9	3	Cu	20									
	1700		S	15		10.4	86	74	ENE	17	4	0.5	2	Cb	20									SQ to S
	2000		S	15		11.5	82	73	E	22	3	1.1	2	Cu	20	1	Ac	80						
	2300		S	15		12.2	82	74	ENE	15	3	0.7	2	Cu	20									
ENIWETOK	0800	H20	S	25		08.7	80	76	ENE	8	8	2.1	6	Cu	20									
	0100	H20	S	25		07.7	80	76	E	8	8	1.0	6	Cu	20									
	0800	H20	S	30		10.8	83	73	E	13	3	3.1	7	Cu	20									
	1100	H18	S	30		11.4	86	73	E	14	0	0.6	6	Cu	18									
	1400		S	30		08.0	83	73	E	13	8	3.4	5	Cu	18									
	1700		S/S	30		07.9	84	74	E	12	5	0.1	4	Cu	18	-	-	-	1	Cs				
	2000		S/S	30		09.6	82	72	E	12	3	1.7	3	Cu	18	-	-	-	2	Ci				
	2300		S	30		10.6	81	73	E	12	1	1.0	2	Cu	18									
KWAJALEIN	0500		S/S	15		08.1	80	74	NE	14	6	0.1	3	Cu	15				2	Cs				
	1100		S/S	15		09.1	88	76	NE	14	0	0.1	2	Cu	15	4	Ac							
	1400		S/S	15		09.1	80	76	ENE	14			3	Cu	15	4	Ac		3	Cs				
	1700		S/S	15		07.1	88	77	NE	9	3	0.4	2	Cu	15	2	Ac		2	Cs				
	2300		S/S	15		09.8	81	75	NE	14	3	0.1	3	Cu	15	3	Ac		4	Cs				
MAJURO	0130		S/S	12		07.8	81	73	NE	14	8	1.3	3	Cu	20	5	Ac							R - B 0225 E 0255
	0830	H20	S/S	12		07.7	79	77	NE	8	5	0.1	6	Cu	20	3	Ac							
	0730		S/S	12		09.1	82	77	NE	10	2	1.4	4	Cu	20	3	As							R - B 0814 E 0835
	1050		S/S	12		09.6	84	76	NE	11	1	0.5	3	Cu	20	2	Ac							
	1330		S/S	12		07.9	84	79	NE	10	2	1.7	4	Sc	18	3	As							
	1630		S/S	12		07.4	82	78	NE	10	6	0.5	1	Cu	20	3	As							
	1930		S	12		09.6	81	77	NE	12	3	2.2	3	Cu	20									
	2230	H20	S/S	12		09.0	81	76	NE	14	9	0.6	8	Cu	20	1	As							
TARAWA	0000		S			09.5	81	75		Calm	1	0.2	3	Cu	25									
	0300		S/S			07.8	79	76	SE	9	8	1.7	2	Cu	25	2	As	130	2	Ci				AC 130
	0600		S/S			06.8	79	76	SE	5	3	1.0	1	Cu	25				4	Ci				
	0900		S/S			08.8	84	78	ESE	9	3	2.0	3	Cu	25				4	Ci				
	1200		S/S			08.1	88	79	ENE	13	9	0.7	3	Cu	25				5	Ci				
	1500		S/S			06.1	88	80	ENE	7	3	2.0	3	Cu	25				5	Ci				
	1800		S/S			09.8	87	76	NE	3	3	0.3	3	Cu	25				5	Ci				
	2100		S/S			08.1	82	75	NE	2	3	2.3	3	Cu	25				4	Ci				
WAKE	0800		S/S	12		11.5	80	73	ESE	4	6	1.0	2	Cu	20	2	Ac	150						
	0500		S	12		12.2	80	73	ENE	3	3	0.7	5	Sc	80									RW - B 0632 E 0636
	0800	H80	S/S	12		12.9	80	73	NE	3	1	0.7	6	Sc	80	6	As	110						
	1100	H90	S/S	6	R	13.5	79	73	ESE	3	3	0.6	7	Sc	80	8	As	110						R B 1000 E 1200 R-B 1200 E 1400
	1400		S/S	12	R-	13.2	80	74	NE	4	8	0.3	3	Sc	80	9	As	110						
	1700		S/S	12		11.5	81	73	ENE	5	8	1.7	2	Sc	80	6	As	110						
	2000		S	12		13.5	79	72	NE	6	3	2.0	5	Sc	80									
	2300		S	12		13.9	79	74	NE	5	3	0.4	4	Sc	20									
SRD DOG 3																								
SRD DOG 4																								

SURFACE OBSERVATIONS 16 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET 5-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
EKONI																					
0800	760	28	15		11.2	79	76	ENE	14	7	1.0	3	Cu	15	4	Ac	60			RW B 20100 E 0200
0900		8/8	15		11.2	80	74	ENE	14	4	0.0	2	Cu	15	1	Ac	-	2	Ci	
0800		8/8	15		12.5	83	76	E	19	2	1.3	2	Cu	15	4	Ac	120			
1100		8	15		12.4	86	75	E	18	7	0.1	1	Cu	15						CB to E
1400		8/8	15		10.9	85	74	ENE	15	3	1.2	2	Cu	15	3	Ac	-			
1700		8/8	12		10.4	86	75	E	15	6	0.5	6	Cu	20	2	Ac				
2000		8	10		11.2	82	73	NE	15	8	1.1	2	Cu	25						
2300		8/	15		12.0	81	74	ENE	16	1	0.5				2	Ac	140			
ENIWETOK																					
0800		8	30		09.6	81	73	E	15	8	1.0	2	Cu	18						
0900		8/8	30		08.7	80	74	E	9	8	0.9	4	Cu	18				2	Cs	
0800		8	30		09.6	83	73	E	13	3	0.9	2	Cu	20						
1100		8	30		10.5	82	72	E	14	0	0.9	1	Cu	20						
1400		8	35		08.6	83	72	E	11	8	1.9	1	Cu	20						
1700		8	30		08.8	85	74	E	9	3	0.2	1	Cu	20						
2000		8/8	25		10.6	81	74	E	12	3	1.8	3	Cu	18				4	Cs	
2300		8	20		11.3	81	74	E	12	3	0.7	3	Cu	18						
KWAJALEIN																					
0300		8/8	15		08.5	78	73	NE	14	9	0.3	3	Cu	15	3	As		4	Cs	
0800																					
1100		8/8	15		09.1	86	75	NE	14	6	1.5	3	Cu	15	2	As		2	Cs	
1400		8	15		07.5	88	76	ENE	25	7	0.5	4	Cu	15	1	As				
1700		8/8	15	RW	08.1	83	78	E	14	0	8.1	3	Cu	15	2	As		2	Cs	
2000		8/8	12		10.2	82	77	ENE	13	3	1.0	4	Cu	15	1	As				
2300		8/8	15		09.8	81	74	NE	9	9	0.1	4	Cu	15	3	As		3	Cs	
MAJURO																					
0130		8/8	12		08.2	79	73	NE	6	8	0.8	3	Cu	30	1	As		3	Cs	
0430		8/	12		08.1	80	74	NE	16	6	0.1				7	As		1	Cs	
0730		8/8	12		10.2	83	76	NE	20	2	2.1	3	Cu	20				1	Cs	
1030		8/8	12		10.0	85	77	NE	12	7	0.2	4	Cu	20	1	Ac				
1330		8/8	12		09.1	85	79	NE	12	7	0.9	4	Cu	20	2	As				
1630		8/8	12		07.9	85	76	NE	15	6	1.2	2	Cu	20	3	As				
1930		8/8	12		09.5	80	77	NE	10	2	1.6	3	Sc	20	2	As				
2230		8/8	12		09.7	81	75	NE	12	1	0.2	1	Cu	20	3	Ac				
TARAWA																					
0000		8/8			09.1	85	76	E	5	1	1.5	3	CB	25				2	Ci	
0300		8/8			07.8	81	75	ESE	8	9	1.3	2	Cu	25				3	Ci	
0600		8/8			08.1	81	74	ENE	12	4	0.3	2	Cu	28				6	Ci	
0900		8/8			09.5	85	76	ENE	7	2	1.4	3	Cu	25				4	Ci	
1200		8/8			09.1	89	78	E	8	9	0.4	3	Cu	25				3	Ci	
1500		8/8			08.8	88	79	E	8	7	2.3	3	Cu	25				4	Ci	
1800		8/8			08.4	87	76	E	5	5	0.4	3	Cu	25				5	Ci	
2100		8/8			08.5	85	78	ENE	5	3	2.1	2	Cu	25				1	Ci	
WAKE																					
0200	860	8	12		12.9	77	74	NNW	3	9	1.0	7	Sc	80						RW B 0000 E 0010
0500		8/8	12		12.9	78	74	SE	3	3	0.0	3	Cu	20	7	Ac	150			RW - B 0100 E 0115
0800	780	8/8	12		13.5	78	75	ENE	10	3	0.8	6	Sc	80	5	As	150			
1100	860	8/8	12		14.2	80	74	NE	2	1	0.7	6	Sc	80	7	As	150			RW - B 1015 E 1055
1400		8/8	12		12.9	83	73	ESE	2	8	1.3	2	Sc	80	3	As	150			
1700		8/8	12		12.9	84	74	ESE	3	3	0.0	1	Sc	80	1	As	150			
2000		8/8	12		14.2	81	74	E	3	3	1.3	1	Cu	20	1	As	150			
2300		8	12		14.9	80	73	ESE	9	4	0.7	2	Cu	20						
BIRD DOG 3																					
BIRD DOG 4																					

SURFACE OBSERVATIONS 17 JUNE 1946

STATION	TIME (LOCAL)	CEILING (UNLIMITED BY "UNL")	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000		1½ 15		10.4	81	74	ENE	11	8	1.6	1	Cu	20	7	Ac	100			
	0500		S/S 15		10.1	81	74	ENE	15	8	0.3	2	Sc	15	5	Ac	100			
	0800		S/S 12		11.9	82	76	ENE	19	3	1.8	3	Cu	15	2	As	80	4	Cs	
	1100	280	0 12		11.3	86	75	E	17	9	0.4				10	Ac	80			
	1400		S/S 12		10.6	88	77	ENE	15	7	0.9	2	Cu	15	5	As	120	5	Cs	RW B 1426 E 1431
	1700		S/S 10		10.6	84	77	ENE	17	4	0.0	3	Cu	15	7	As	150			RW B 1555 E 1600
	2000	315	S/S 10		12.0	78	74	ENE	18	3	1.4	7	Cb	15	3	As	150			RW B 1930 T RW- B 1945 E 2000
	2300	310	0 6	RW-	13.0	79	77	ESE	18	0	1.0	10	Cb	10						RW B 2100 E 2120 RW - B2300 E 2335
ENIWETOK	0000		S 30		10.3	81	74	ENE	10	6	0.7	2	Cu	20						
	0300		S 30		10.4	81	75	E	11	5	0.2	7	Cu	18						
	0600		S 30		10.4	84	77	ENE	11	1	0.0	6	Cu	18						
	1100		S 30		12.2	86	76	ENE	8	0	0.8	8	Cu	18						
	1400		S/S 30		10.1	87	75	ENE	12	8	2.1	4	Cu	18	2	As	100			
	1700		S/S 30		09.0	85	76	ENE	12	6	1.1	3	Cu	18	2	As	100			
	2000		S/S 20		09.8	82	75	ENE	20	4	0.8	2	Cu	18	4	As	100			
	2300		S 15		10.8	83	75	E	10	3	1.0	3	Cu	18						
KWAJALEIN	0000		S/S 15		09.8	81	75	NE	14	3	0.0	5	Cu	15	1	Ac		1	Cs	
	0300																			
	1100		S/S 15		09.8	86	77	NE	14	8	0.2	3	Cu	15	3	As				
	1400		S 15		07.8	89	78	NNE	14	8	1.0	3	Cu	15	2	As				
	1700		S/S 15		08.1	85	78	NE	14	3	0.3	2	Cu	1	4	As		4	Cs	
	2000	315	S/S 2	RW-	10.5	79	76	NE	12	5	1.2	7	Cu	15	2	As		1	Cs	
	2300		S/S 15		09.8	81	76	NE	3	2	0.4	2	Cu	15	4	Ac		4	Cs	
MAJURO	0130		S/S 12		08.9	81	75	NE	12	6	0.6	5	Cu	20	2	As				
	0430	320	S/S 12		08.6	81	77	NE	14	6	0.3	7	Cu	20	3	Ac				
	0730		S/S 12		09.8	82	77	NE	14	3	1.2	2	Cu	20	7	Ac				R B 1117 E 1330
	1030		S/S 12		09.8	85	77	NE	12	0	0.0	1	Cu	20	5	As		3	Cs	
	1330	320	0 10		08.7	90	76	NE	15	8	1.1	10	Ns	20						
	1630	320	S/S 10		07.7	82	77	NE	20	8	1.0	7	Sc	20	3	Ac				
	1930		S/S 12		09.0	82	77	NE	15	3	1.3	5	Sc	20	4	Ac				
	2230		S/S 12		09.0	80	76	NE	15	1	0.0	5	Sc	20	4	As				R B 2352 E 2400
TARAWA	0000	330	S		09.5	81	77	NE	6	3	0.7	6	Cu	20						
	0300		S/S		07.8	80	76	E	10	8	1.7	7	Cu	25	10	Ac	140	2	Ci	
	0600		S/S		07.5	80	76	ESE	5	5	0.3	2	Cu	25				3	Ci	
	0900		S/S		09.5	84	76	SE	2	2	2.0	3	Cu	25				4	Ci	
	1200	320	S/S		09.8	86	77		Calm	0	0.3	6	Cu	20				3	Ci	
	1500		S/S 10		07.8	83	78	S	3	7	2.0	3	Cu	20	5	As	110	1	Ci	
	1800	315	0 4	R	07.8	77	76		Calm	5	0.0	10	Sc	15						R B 1800 E Not Reported
	2100	315	0 10		09.1	77	67	SSE	2	3	1.3	10	Sc	15						
WAKE	0000		S 12		14.6	80	73	ESE	9	6	0.3	2	Sc	80						RW- B0300 E 0305
	0300		S 12		14.8	79	73	SE	6	8	0.4	1	Cu	20						
	0600		S/S 12		15.6	84	76	E	6	3	2.4	2	Cu	20	7	As	150			
	1100		S/S 12		13.6	83	73	E	10	3	0.0	5	Sc	80	7	As	150			
	1400		S/S 12		13.9	86	73	E	7	8	1.7	3	Cu	20	6	Ac	150	3	Cs	
	1700		S/S 12		13.9	85	74	ENE	6	9	0.4	4	Cu	20	7	Ac	150	3	Ci	
	2000		S/S 12		13.9	81	74	ENE	5	3	0.4	1	Cu	20	1	As	150			
	2300		S/S 12		14.9	77	74	Calm		3	1.0	2	Cu	20	2	As	150			
BIKI DOG 3	0000																			
	0300																			
	0600																			
	1100																			
	1400																			
	1700																			
	2000																			
	2300																			
BIKI DOG 4																				

SURFACE OBSERVATIONS

18 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200	E10	0	10		11.0	80	74	ENE	21	7	2.0	10	Cb	10						
	0500		B/S	10		11.0	81	75	E	6	3	0.0	1	Cu	15	9	As	100			RINOVC
	0800		B/S	12		11.8	85	75	ENE	18	5	0.8	1	Cu	15	5	As	150	4	Ca	
	1100	E18	B	12		11.1	88	74	E	20	9	0.7	6	Cu	15						KAZE ALOFT
	1400		S/S	15		09.9	83	73	ENE	20	8	0.6	4	Cu	20	3	As	120			
	1700		S/S	15		08.8	85	74	NE	19	8	0.7	2	Cu	20				2	Ci	
	2000		S	15		10.5	82	74	ENE	20	5	1.7	1	Cu	20						
	2300	E20	0	15		11.7	78	74	E	6	1	1.2	10	Sc	20						
ENIWETOK	0200		S/S	30		10.5	81	75	ENE	10	8	0.3	2	Cu	18	2	As	100			RW B2205 E 2250
	0500	E18	B	20		09.9	81	75	ENE	12	5	1.2	6	Cu	18						
	0800	E18	S/B	30		10.5	83	76	ENE	10	3	1.0	5	Cu	18	1	As	100			
	1100		S/S	30		10.9	87	77	ENE	15	2	0.4	4	Cu	18	3	As	100			
	1400	E18	B/B	30		10.1	88	77	ENE	12	7	0.8	6	Cu	18	5	As	100	1	Ci	
	1700	E20	B/S	20		09.4	84	76	ENE	8	6	0.7	3	Cu	18	9	As	80			
	2000		O/S	15		10.6	82	75	ENE	14	3	1.2	3	Cu	18	10	As	100			
	2300		O/S	15		11.2	82	75	ENE	15	3	0.6	3	Cu	18	10	As	100			
KWAJALEIN	0500		S/S	15		07.8	82	76	NE	15	6	0.3	5	Cu	15	5	As				
	1100		S/S	6		095	83	78	NE	14	0	0.3	5	Cu	15	5	As				
	1400		S	2	RW-	07.8	77	76	NE	25											
	1700	E10	S/B	2	RW-	08.8	80	79	NE	3	2	0.6	6	Cu	10	4	As				
	2000	E10	S/B	2	RW-	11.2	78	75	E	12	6	0.8	6	Cu	15	4	As				
	2300		S/S	2	RW-	10.8	76	76	ENE	3	8	0.4	5	Cu	10	5	As				
MAJURO	0130		S/S	12		08.3	81	77	NE	15	9	0.7	5	Sc	20	4	As				
	0430		S/S	12		07.8	81	78	NE	10	6	0.5	5	Sc	20	2	As				RB 0550 E 1050
	0730	E15	O	4	R	09.9	76	75	E	12	3	2.1	10	Sc	15						
	1050	E18	S/B	4	RW	09.8	79	76	E	2	1	0.1	9	Sc	18	1	As				RW B1050 E 1130
	1330	F15	O	1	R	09.0	79	75	NE	7	7	0.8	10	Ns	15						R B 1250 E 1450 R-B1450 E1750
	1650	E12	S B	4	R-	08.4	77	76	NE	12	6	0.6	6	Sc	12	2	As	50			
	1950	E18	S B	6	R-	10.0	78	76	NE	6	3	1.6	6	Sc	18	4	As	60			R- B 1950 B2130
	2230	E15	O	3	R	10.6	76	75	NE	6	1	0.6	10	Sc	15						R B2130 B2330
TARAWA	0000		B/S			09.5	76	75		Calm	1	0.1	1	Cu	25	6	As	140			
	0300		B/S			09.7	77	73		Calm	7	0.0	1	Cu	22	1	As	120	5	Ci	
	0600		B/S			07.8	79	77		Calm	5	1.7	1	Cu	25	1	As	120	4	Ci	
	0900		B/S			09.1	82	77		Calm	2	1.3	3	Cu	30				5	Ci	
	1200		B/S			09.1	86	76		Calm	9	0.0	3	Cu	30				4	Cu	
	1500		B/S			06.3	86	76	W	4	7	2.8	3	Cu	30				5	Ci	
	1800		B/S	10		07.1	83	76	W	8	4	0.3	4	Cu	25	4	As	120			
	2100		B/S			08.5	80	77	E	8	2	1.4	3	Cu	20	3	As	120			
WAKE	0200		S/S	10		13.9	79	74	SE	6	8	1.0	2	Cu	20	5	As	150			RW B 0220 E 0250
	0500		O/S	10		13.9	80	74	SSE	6	8	0.0	3	Cu	15	10	As	130			
	0800		O/S	12		14.9	81	66	E	6	3	1.0	4	Sc	30	10	As	130			
	1100		B/S	12		14.9	84	73	E	7	8	0.0	5	Sc	80	7	As	150			
	1400		B/S	12		14.9	84	77	E	6	3	0.0	2	Sc	80	2	As	150	7	Ca	
	1700	E20	S/B	4	RW	13.9	84	74	E	6	6	1.0	6	Sc	80	2	As	150	7	Ca	RW B 1650 E 1715
	2000		S/S	12		13.6	80	75	ESE	4	1	1.7	3	Cb	20	2	As	130	1	Ca	
	2300		S/S	12		16.6	81	74	SE	7	1	1.0	3	Cb	20	2	As	150			
BIRD DOG 3	0200																				
	0500																				
	0800																				
	1100		O/S	12		09.7	81	78	E	18	1	1.1	2	Cu	20	2	As	120	6	Ci	RW- B 1200 E 1300
	1400	E20	O/B	12		08.6	82	78	E	12	7	1.1	6	Cu	20	2	As	120	2	Ci	
	1700	E20	O	12	RW-	08.6	81	76	ESE	16	0	0.0	10	Cu	20						
	2000	E20	O	12		11.1	74	74	E	29	1	2.9	10	Cu	20						RW- B1700 E1800
	2300	E20	O/B	12	RW-	10.9	78	73	E	25	9	0.6	9	Cu	20	1	As	120			RW- B2300 E 2400
BIRD DOG																					

SURFACE OBSERVATIONS 19 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (MB 1000 MB+)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0400		8/8	15		09.7	83	76	E	16	8	2.0	5	Cu	20	2	Ac	100			
	0500		8/8	15		09.6	83	75	ENE	22	6	0.1	5	Sc	15	5	Ac	100			
	0800		8/	10		10.0	84	74	ENE	26	3	0.4							3	Cs	
	1100		8/8	10		11.2	84	74	ENE	22	0	1.2	5	Cu	20				2	Ci	
	1400		8/8	10		09.4	86	75	ENE	23	8	1.8	4	Cu	20				4	Cs	
	1700		8/8	10		10.0	85	76	E	21	5	0.6	5	Cu	20				7	Cs	
	2000		8/8	10		11.0	83	75	ENE	22	3	1.0	5	Cu	20				3	Cs	
	2300		8/8	10		11.6	80	74	ENE	24	3	0.6	2	Cu	20				3	Cs	
ENIWETOK	0000	M25	0 8	6	RW	11.2	75	74	ENE	30	6	0.0	7	Sc	05	10	Ac	60			OVC E 60 T PAST HOUR RWB 0000 E 9500
	0300	M10	0 8	6		09.8	79	75	ENE	15	8	1.4	7	St	10	10	Ac	60			OVC E 60 TR 0000 E 0200
	0600	M18	0 8	25		10.5	81	75	E	9	3	0.7	6	Cu	08	10	Ac	90			OVC E 90
	1100	M18	8/8	30		10.1	86	77	ENE	15	9	0.2	6	Cu	18	3	As	100			
	1400		8/8	30		08.6	86	77	ENE	15	6	1.7	4	Cu	18	7	Ac	100			
	1700		8/8	30		07.9	76	77	ENE	10	6	0.7	5	Cu	18	2	Ac	100			
	2000		8/8	20		09.8	82	75	ENE	10	3	1.9	3	Cu	18	5	As	100			
	2300		8/8	20		10.8	82	74	ENE	15	3	1.0	3	Cu	18	5	As	100			
KWAJALEIN	0300		8/8	15		08.8	80	75	NE	14	4	0.2	4	Cu	15	6	As				
	0800																				
	1100		8/8	15		08.8	84	76	NE	14	6	0.2	3	Cu	15	2	As		1	Cs	
	1400		8/8	12		06.8	83	75	ENE	14	8	1.0	3	Cu	15	7	As				
	1700		8/8	15		06.1	83	76	ENE	25	6	0.4	4	Cu	15	3	Ac		3	Cs	
	2000		8/8	12		08.5	82	74	NE	25	3	1.3	3	Cu	15	3	Ac		2	Cs	
	2300		8/8	15		09.1	80	76	NE	14	2	0.3	4	Cu	15	3	Ac		3	Cs	
MAJURO	0130	M18	0	5	R-	09.7	77	76	E	12	8	0.9	10	Sc	18						RB 0030 E 0050 R-0110 E 0200
	0430	M20	0	5	R	08.8	77	74	E	12	8	0.9	10	Sc	20						RW B0230 E0330 RB 0330 E 0430
	0730		8/8	12		09.9	78	75	E	6	1	1.1	4	Sc	20	5	As				R- B0530 E0630
	1030		8/8	12		09.0	82	75	E	6	9	0.9	1	Sc	20	7	As				
	1330		8/8	12		06.7	84	79	NE	14	8	2.3	2	Cu	20	3	As		1	Cs	
	1630		8/8	12		06.4	82	78	NE	12	6	0.3	3	Cu	20	7	As				
	1930		8/8	12		08.3	81	80	NE	20	3	1.9	4	Cu	18	2	As				
	2230	M20	8/8	12		08.3	80	77	NE	14	1	0.0	6	Cu	20	2	As				
TARAWA	0000	M18	0			09.1	76	74	NW	11	1	0.3	10	Sc	18						LWINT R-
	0300	M20	0 8			07.8	76	75	N	5	6	1.7	2	Cu	15	8	Ac	80			ASSO SCTD 15
	0600		0/			07.8	76	75		Calm	5	0.0				10	Ns	100			
	0900	M20	0 8	10	R-	09.5	77	76	SW	3	3	1.7	3	Sc	30						CB 15 R- B 0900 E Not Recorded
	1200	M20	0			07.3	80	77	ENE	9	6	2.0	10	Sc	20						
	1500		8/8			06.4	85	81	ENE	8	7	1.1	3	Cu	20	6	Ac	150			
	1800		8/8			06.4	84	80	ENE	9	2	0.0	3	Cu	20	6	Ac	100			
	2100	M20	8			08.3	81	79	E	6	2	2.1	6	Cu	20						
WAKE	0300		8/8	12		14.9	80	74	SE	8	8	1.7	1	Cu	20	5	As	130	3	Cs	
	0500		8/8	12		14.2	80	73	ESE	8	5	0.7	2	Cu	20	3	As	130	2	Cs	
	0800		8/8	12		15.6	83	73	ESE	8	3	1.4	2	Cu	20	2	As	180	2	Cs	
	1100		8/8	12		15.9	85	74	ESE	10	1	0.3	2	Cu	20	2	As	180	3	Cs	
	1400		8/8	12		14.9	86	73	ESE	8	1	1.0	2	Cu	20	3	As	180	2	Cs	
	1700		8/8	12		14.2	85	72	ESE	10	6	0.7	1	Cu	20	3	As	180	3	Cs	
	2000		8/8	12		15.2	82	72	ESE	8	3	1.0	2	Cu	20	5	As	180	2	Cs	
	2300		8/8	12		15.9	82	75	E	11	3	0.7	1	Cu	20	2	As	180			
BIRD DOG 3	0400	M20	0	6		09.2	79	76	E	18	1	1.0	10	Cu	20						
	0500	M20	0/8	12		09.0	80	77	E	21	1	0.5	7	Cu	20	2	As	120	1	Ci	
	0800		0/8	12		10.1	82	75	ESE	22	8	1.0	*	Cu	20	6	As	120	1	Ci	
	1100		0/8	12		10.8	82	x	ESE	20	3	0.7	2	Cu	20	7	As	120	1	Ci	
	1400		8/8	12		09.2	82	x	E	20	9	0.2	3	Cu	20	1	As	120	1	Ci	
	1700		0/8	12		08.1	80	x	E	22	6	1.4	4	Cu	20	2	As	120	4	Ci	
	2000		0/8	12		09.6	78	x	NE	30	3	1.2	5	Cu	20	2	As	120	3	Ci	
	2300		8/8	12		09.6	80	x	E	22	4	0.0	3	Cu	20				3	Ci	
BIRD DOG 4																					

SURFACE OBSERVATIONS 20 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	AMT	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		B/S	10		09.8	80	74	ENE	20	8	1.8	4	Cu	20	4	Ac	100	1	Cs	
	0500	E15	S/B	6	RW-	10.0	78	74	ENE	20	2	0.2	7	Cu	15	3	Ac				BINOVC RW- B 0450 E 0540
	0800		B/S	12		11.4	84	73	ENE	22	3	1.4	1	Cu	15	2	As	120	6	Cs	
	1100		B/S	10		11.0	87	73	ENE	19	1	0.6	1	Cu	18				9	Cs	
	1400		B/S	12		09.8	86	73	ENE	15	8	1.2	2	Cu	20				6	Cu	
	1700		S/S	15		08.9	84	73	ENE	19	8	0.9	1	Cu	20				2	Cs	
	2000		S	15		10.9	83	73	ENE	20	3	1.9	3	Cu	20						
	2300		S	10		10.8	84	79	ENE	21	0	0.1	4	Cu	20						
ENIWETOK	0200		S	25		09.4	81	74	ENE	16	8	1.4	5	Cu	20						
	0500	E15	D	20		08.8	81	73	E	10	6	0.6	6	Cu	18						
	0800		B/S	25		09.8	83	76	E	13	3	1.0	3	Cu	18	6	As	100			
	1100	E18	S/B	30		09.8	85	77	E	20	0	0.0	6	Cu	18	2	As	100			
	1400		S/S	25		08.8	85	77	E	20	5	1.0	4	Cu	18	3	As	100			
	1700		B/S	20		09.6	84	77	E	18	5	0.4	5	Cu	18	7	As	100			
	2000	E18	B/S	20		09.6	81	75	ENE	19	3	1.2	8	Cu	18	6	As	100			
	2300		B	25		10.3	82	77	E	12	1	0.7				8	As	100			
KWAJALEIN	0500		B	15		08.1	81	74	ENE	25	4	0.3	3	Cu	15	7	Ac				
	1100		S/S	15		08.5	87	76	NE	14	0	0.3	3	Cu	15	3	As				
	1400		S/	15		07.1	85	78	NE	25	8	0.6				7	As				
	1700		B/S	15		09.1	84	75	NE	25	5	0.3	2	Cu	15	8	As				
	2000		S/S	12		09.5	82	75	ENE	12	3	1.2	4	Sc	15	5	As				
	2300		S/S	15	RW-	09.8	77	75	ESE	25	0	0.3	5	Sc	15	5	Ac				
	0130		S/S	12		07.3	81	77	NE	20	8	1.0	2	Cu	20	5	Ac				
MAJURO	0130		S/S	12		07.3	81	77	NE	20	8	1.0	2	Cu	20	5	Ac				
	0430		S/S	12		07.5	81	77	NE	16	4	0.2	2	Cu	20	3	Ac				
	0730	E20	S/S	12		08.9	82	77	NE	16	2	1.4	7	Cu	20	3	Ac				RW B0820 E0830
	1030	E20	S/S	12		08.4	85	79	NE	16	7	0.5	6	Cu	20	3	Ac				
	1330		S/S	12		07.5	84	77	E	16	8	0.9	5	Sc	20	5	Ac				
	1630		S/S	12		07.5	82	78	NE	12	4	0.0	5	Sc	20	4	As				
	1930		S/S	12		08.7	81	78	N	5	2	1.2	4	Sc	20	3	Ac				R B2193 E2148
	2230	E18	O	6		09.5	79	78	NE	10	3	0.8	10	Sc	18						
TARAWA	0000		B/S			09.1	80	79	W	4	3	0.1	2	Cu	25	4	Cs				
	0300		S/S			07.1	80	75	ENE	6	8	2.0	3	Cu	28	2	Cl				
	0600		B/S			07.4	82	77	ENE	6	4	0.7	3	Cu	28	6	Cl				
	0900	E25	B/B	.9	R-	09.1	81	76	ENE	6	3	1.3	7	Cu	25	2	Ac	150			R-B 0900 E NOT RECORDED
	1200		B/S			09.1	88	72	NE	5	0	0.0	3	Cu	25	3	As	120	1	Cl	
	1500	E20	B/B	7		06.8	89	77		Calm	8	2.3	6	Sc	20	3	As	120			Cu 20
	1800	E20	B/B	8		07.1	83	76		Calm	4	0.3	6	Cu	20	2	As	110			SC 20
	2100			8	R-	08.1	87	72		Calm	5	1.0	6	Cu	20	4	As	100			R- B 2100 E NOT RECORDED
WAKE	0200		S/S	12		15.2	81	73	ESE	10	8	0.7	3	Cu	20	1	As	180			
	0500		S	12		14.6	81	73	E	9	5	0.6	3	Cu	20						
	0800		S/S	12		15.6	82	74	ESE	10	1	1.0	2	Cu	20	2	As	180			
	1100		S/S	12		15.9	85	74	E	11	0	0.3	2	Cu	20				1	Cl	
	1400		S/S	12		15.6	85	74	E	9	6	0.3	1	Cu	20	1	As	180			
	1700		S/S	12		14.2	85	74	ENE	11	8	1.4	2	Cu	20	3	As	180			
	2000		S/S	12		15.2	82	74	ENE	9	3	1.0	3	Cu	20	1	As	180			RW- B 2055 E 2110
	2300		S	12		16.3	81	75	ENE	14	3	1.1	5	Cu	20						
BIRD DOG 3	0200		B/S	12		09.6	80	77	ENE	20	5	0.0	3	Cu	20				4	Cl	
	0500		B/S	12		09.5	80	73	E	23	5	0.3	4	Cu	20				1	Cl	
	0800		B/S	12		10.4	80	76	E	23	3	0.9	3	Cu	20				2	Cl	
	1100		B/S	12		09.4	82	76	E	20	8	0.6	3	Cu	20		As	120	2	Cl	
	1400		B/S	12		08.5	81	75	E	15	8	1.3	3	Cu	20	2	As	120	4	Cl	
	1700		B/S	12		09.4	82	75	NE	18	4	0.9	5	Cu	20				4	Cl	
	2000																				
	2300				POWER FAILURE - NO LIGHTS NEITHER OF DAY																
BIRD DOG 4																					

SURFACE OBSERVATIONS

22 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	WEATHER	VISIBILITY (MILES)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
KWAJ	0800		S	12		80.4	82	74	ENE	20	8	1.4	2	Cu	20						
	0900		S/E	15		80.2	81	75	ENE	17	5	0.8	1	Cu	20			7	Cs		FW-E0820 ▲0830 FW-0855 ▲0910
	0800	▲15	S/E	15		10.6	82	75	ENE	21	3	1.4	6	Cu	15			4	Cl		F&M CC Reported FW E0610 E0700
	1100		S/E	15		09.9	85	75	E	20	0	0.7	2	Cu	20	6	As	100			FW B 0820 ▲ 0855
	1400		E/S	15		09.4	90	76	ENE	15	8	0.9	1	Cu	20	3	As	140	6	Cs	Lunar Halo
	1700	▲13	S/E	12		09.0	84	75	E	24	3	0.0	8	Cu	15	2	Ac	120			FW To ▲ Vsbl 2 Mi
	2000	▲15	E/S	10		10.6	82	74	E	15	2	1.2	6	Cu	15	2	Ac	100			FW B 1815 ▲ 1900
	2300		S/E	10		10.6	82	77	ENE	21	0	0.0	5	Cu	15	3	Ac	100			FW-E 2152 ▲ 2200
ENIWETOK	0800	▲20	E	20		08.2	82	76	ENE	17	8	2.1	6	Cu	20						
	0900	▲30	E	20		08.6	82	75	ENE	18	3	2.3	8	Cu	20						
	0800	▲18	E/S	25		10.0	82	76	ENE	20	3	1.4	7	Cu	18	2	As	100			
	1100		E/S	30		09.6	85	75	E	18	0	0.4	3	Cu	18	2	As	100			
	1400		E/S	30		08.5	86	75	E	18	6	1.1	4	Cu	18				6	Cl	
	1700		E/S	25		07.3	84	76	ENE	22	6	1.0	5	Cu	18	3	As	100			
	2000		E/S	20		08.7	82	75	ENE	20	1	1.2	4	Cu	18	3	As	100			
	2300		E/S	20		07.9	82	76	E	18	0	1.2	5	Cu	18	3	As	100			
KWAJALEIN	0500		E/S	15		08.1	79	76	ENE	12	3	0.3	5	Sc	15	5	As				
	0800																				
	1100		E/S	15		08.8	84	77	NE	15	8	0.8	7	Cu	15	4	As		5	Cs	
	1400																				
	1700		E/S	15		08.1	84	79	NE	25	8	0.1	4	Cu	15	2	As				
	2000		E/S	12		08.4	82	75	NE	25	3	1.3	4	Cu	15	6	Ac				
	2300		E/S	15		08.4	80	77	NE	25	3	0.3	4	Cu	15	2	As				
MAJURO	0130	▲15	E	8	TS	08.1	80	72	E	15	0	1.4	10	Cb	18						LTNG and Heavy THUNDER B/B0130
	0430	▲15	E/S	8		07.3	77	74	E	12	8	0.4	6	Sc	18	2	Ac				FW ▲ B 0430 E 0330 RAB 0.30 E 0430
	0730		E/S	12		07.1	81	77	E	8	3	0.7	1	Cu	30	4	As		2	Cs	
	1030		E/S	12		07.5	82	78	ENE	8	1	0.4	2	Cu	30	5	As		4	Cs	
	1330		E/S	15		07.6	82	78	E	8	8	1.4	4	Cu	30	6	Ac				
	1630	▲20	E/S	12		07.6	81	77	E	16	6	0.5	6	Cu	30	6	Ac				
	1930		E/S	12		07.9	80	77	E	12	3	1.6	5	Sc	20	4	As				
	2230	▲15	E/S	8		10.0	80	78	E	9	3	0.8	7	Sc	18	3	As				
FARAWA	0000		E/S			10.2	78	76		Calm	0	0.0	1	Fe	30	5	As	150			
	0300		E/S		FW	08.5	76	75	ESE	18	6	1.7	2	Fe	12	6	Ac	120			AS 120 - FW B 0300 E NOT RECORDED
	0600	▲60	S			08.5	78	75	E	5	5	0.9				10	Ns	60			
	0900	▲30	S/E	10		09.8	79	76	SE	8	7	1.3	6	Cu	30	4	As	120			Sc 30
	1200		S/E		R-	09.8	79	76	SE	9	8	0.9	5	Cu	25	5	As	120			F - B 1200 ▲ NOT RECORDED
	1500		S/E		R-	08.5	79	73	SE	12	6	1.3	5	Cu	25	5	As	120			F - B 1500 ▲ NOT RECORDED
	1800	▲30	S E		R-	08.1	77	75	ENE	9	8	0.4	8	Sc	30						Cu 10 R- B 1800 ▲ NOT RECORDED
	2100	▲20	E			08.1	79	75	E	10	4	0.0	8	Sc	30						
WAKE	0200		S	12		14.2	81	75	ENE	15	6	1.7	2	Sc	80						FW B 0019 ▲ 0029
	0500		S	12		13.5	81	75	ENE	16	6	0.7	1	Cu	20						
	0800	▲70	S	12		15.6	79	73	ENE	12	3	1.7	9	Sc	70						
	1100		S/E	12		15.6	84	73	E	9	0	0.0	4	Cu	20	2	As	110			
	1400		E	12		14.9	87	76	E	11	6	0.7	4	Cu	20						
	1700		S/E	12		13.5	85	74	E	11	8	1.4	1	Cu	20	1	As	140			
	2000		S/E	12		14.2	81	76	E	15	1	0.7	2	Sc	80	1	As	140			FW B 1745 E 1755 RAB 1845 E 1852
	2300		S	12		14.9	81	74	E	19	1	0.7	2	Sc	80						FW B 2050 ▲ 2059
BIRD DOG 3	0000					Power failure - No Lights															
	0500		S/E	12	FW-	09.7	81	78	E	25	2	1.1	2	Cu	20	8	As	120			FW - B 0500 ▲ 0600
	0900		S/E	8		11.6	80	77	E	25	4	1.0	3	Cu	20	7	As	120			
	1200	▲20	S/E	12		10.6	82	77	E	23	8	1.0	6	Cu	20	4	As	120			R - B 1300 ▲ 1500
	1500		S/E	12		09.1	80	76	E	20	8	1.3	4	Sc	15	6	As	120			F - B 1540 ▲ 1700
	1800		S/E	10		09.6	80	76	E	18	4	0.5	5	Sc	15	5	As	120			
	2100		S/E	12		10.8	80	75	E	15	1	1.2	4	Sc	20	6	As	120			
	2400		E/S	12		11.1	80	76	E	15	0	0.5	4	Cu	20	5	As	120			
BIRD DOG 4																					

SURFACE OBSERVATIONS — 22 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET) SKY	VISIBILITY (MILES) WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET CHAR. PAST CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. M-DDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		s/s 10	09.5	82	75	E	22	6	1.1	2	Cu	15	4	As	100			
	0900		s/s 10	08.7	82	75	E	21	7	0.8	2	Cu	15	4	As	130			
	0800		s/s 10	08.9	84	76	ENE	23	0	0.2	4	Cu	15	3	As	120	2	Ci	80 To N vsby 2 MI
	1100		s/s 12	09.4	86	75	ENE	24	0	0.4	3	Cu	15	2	As	120	2	Ci	
	1400		s/s 12	08.1	87	75	E	20	8	1.2	4	Cu	15	3	As	120			
	1700		s/s 12	08.2	84	74	E	20	4	0.1	2	Cu	15	2	As		6	Ca	
	2000		s 12	09.3	83	75	E	16	3	1.2	2	Cu	15						
	2300		s 15	09.8	82	75	ENE	13	3	0.3	2	Cu	15						
ENIWETOK	0800		s/s 20	08.6	82	75	ENE	13	8	1.1	2	Cu	18	6	As	100			
	0900		s 20	07.8	82	75	ENE	11	9	1.0	5	Cu	18						
	0800		o/s 25	09.2	83	76	ENE	20	3	1.4	4	Cu	18	10	As	100			
	1100		s/s 25	08.8	85	75	ENE	19	9	0.4	4	Cu	18	9	As	100			
	1400		s/s 25	07.2	87	76	ENE	10	6	1.6	4	Cu	18	9	As	100			
	1700		o/s 20	06.3	84	77	E	11	5	0.8	4	Cu	20	10	As	100			
	2000		s/s 25	07.8	82	77	E	20	3	1.5	3	Cu	20	7	As	100			
	2300		s/s 20	08.3	81	77	E	19	2	0.9	3	Cu	20	5	As	100			
KWAJALEIN	0500		s/s 2	07.8	80	75	ENE	15	6	0.4	3	Sc	15	3	As				
	0800		s/s 12	07.9	82	75	NE	15			4	Cu	15	3	As		3	Ca	
	1100		s/s 15	07.3	87	76	ENE	25	X	XX	3	Cu	15	2	As		1	Ca	
	1400		s/s 15	07.1	80	76	E	25			2	Cu	15	2	As				
	1700		s/s 15	06.4	85	80	E	14	3	0.4	4	Cu	15	1	As		1	Ca	
	2000		s/s 15	09.5	82	74	ENE	12	3	1.2	4	Cu	15	6	As				
	2300		s/s 15	08.1	83	76	ENE	25	3	0.0	2	Ca	15	3	As				
MAJURO	0130		s/s 12	08.5	80	77	NE	10	6	1.7	2	Sc	20	6	As				
	0430		s/s 12	08.3	80	76	NE	12	4	0.0	4	Sc	20	6	As				
	0730	820	s/s 12	09.6	81	77	NE	16	3	1.3	7	Sc	20	1	As				
	1030		s/s 12	08.4	84	79	NE	16	1	0.9	5	Cu	20	3	As				
	1330		s/s 12	06.3	84	79	NE	16	8	2.4	3	Cu	20	6	As				
	1630		s/s 12	06.6	80	76	NE	16	4	0.3	4	Cu	20	5	As		1	Ca	
	1930		s/s 12	08.1	81	75	NE	16	3	1.2	4	Cu	20	2	As				
	2230		s/s 12	08.4	81	76	NE	16	0	0.3	4	Cu	20	2	As				
TARAWA	0000		o/	07.9	81	78	E	13	6	0.2				6	As	120	4	Ca	As 120
	0300	825	o/s	05.8	81	75	ENE	16	9	1.1	9	Sc	45						8/8 LOW NE ACTD 18
	0600		s/s	05.8	79	74	ENE	15	5	0.0	5	Cu	20	4	As	140	3	Ca	As 140
	0900		s/	07.5	82	77	E	11	4	1.7				7	As	110			As 110
	1200	825	s/s	09.5	87	75	E	11	1	1.6	6	Cu	25				3	Ca	
	1500	820	s/s 12	05.3	82	78	ENE	16	8	4.0	6	Cu	20	4	As	100			
	1800		s/s	06.1	85	75	ENE	16	6	1.0	4	Cu	25				4	Ca	
	2100		s/s 10	07.1	80	77	ESE	9	2	1.0	3	Cu	20				2	Ci	
WAKE	0200		s 12	13.5	80	73	ENE	14	9	1.0	1	Cu	30						
	0500		s 12	13.5	80	71	ESE	10	9	0.5	2	Cu	30						
	0800		s/s 12	14.9	83	73	ENE	13	8	1.4	1	Cu	20	1	As	150			
	1100		s 12	14.6	95	71	ESE	11	8	0.5	3	Sc	80						
	1400		s 12	13.5	86	73	E	12	5	1.1	3	Cu	20						
	1700		s 12	12.5	86	73	E	11	6	1.0	1	Cu	20						
	2000		s/s 12	13.9	82	74	E	12	3	1.4	3	Cu	20	3	As	150			
	2300		s 12	13.6	82	74	E	16	3	0.7	2	Cu	20						
BIRD DOG 3	0300		s/s 12	09.8	80	76	E	20	7	1.5	4	Cu	20	3	As	120			
	0600		s/s 12	10.3	79	76	E	19	2	0.7	3	Cu	20	1	As	120	2	Ci	
	0900		s/s 12	12.1	80	75	E	20	X	1.8	5	Cu	20				3	Ci	
	1200		s/s 12	10.8	82	75	E	22	8	1.2	2	Cu	20	2	As	120	4	Ci	
	1500		s/s 12	09.1	80	75	E	20	8	1.1	2	Cu	20	2	As	120	4	Ci	
	1800		s/s 12	08.7	80	75	E	24	5	0.6	2	Cu	20				3	Ci	
	2100		s 12	10.8	80	72	E	24	1	1.1	2	Cu	20						
	2400	820	s 12	10.4	78	72	E	25	0	0.4	6	Cu	20						
BIRD DOG 4																			

SURFACE OBSERVATIONS

25 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 (000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
ENIWETOK	0200		S	15		08.6	82	75	ENE	16	8	1.2	3	Cu	15						
	0500		S/S	15		08.4	81	74	ENE	18	5	0.2	3	Cu	15	3	Ac	100			
	0800		S/S	15		09.6	82	74	E	22	3	1.2	4	Cu	15	2	Ac	100	1	Ci	
	1100		S/S	15		09.2	87	73	ENE	19	9	0.4	1	Cu	15				2	Cs	
	1400		S/S	15		08.5	86	72	E	20	8	0.7	2	Cu	15				3	Cs	
	1700		S/	15		08.8	82	74	E	14	2	0.3							8	Cs	
	2000		S/S	15		10.4	82	74	ENE	17	5	1.6	3	Cu	15				6	Cs	
	2300		S/S	15		10.9	82	75	ENE	20	2	0.3	2	Cu	15				6	Cs	RW- B2215 E 2300
ENIWETOK	0200		S/S	20		07.2	81	75	E	19	8	0.9	2	Cu	20	3	As	100			
	0500		S	20		06.5	81	75	ENE	15	6	0.7	3	Cu	20						
	0800		S/S	5	RW	07.6	81	77	E	13	3	1.1	4	Cu	20	6	Ac	100	2	Cs	RW- B0800 E 0900
	1100	R18	O	10		07.8	80	78	E	11	0	0.2	10	Sc	18						RW- B100 E 1100
	1400	R18	O	12		07.2	79	76	ESE	18	6	0.6	10	Sc	18						RW- B1200 E 1300
	1700	R18	O	10		06.8	80	76	ESE	12	6	0.4	10	Sc	18						
	2000		C/S	12		08.6	81	77	E	13	2	1.8	4	Sc	18	10	As	100			
	2300		O/S	20		08.8	82	75	E	14	3	0.2	3	Cu	18	10	As	100			
KWAJALEIN	0500		S	15		06.4	80	74	ENE	25	4	0.1	2	Cu	15						
	0800		S/S	15		06.8	82	74	NE	14			2	Cu	15	4	Ac				
	1100		S/S	15		08.1	86	78	ENE	14	0	0.0	4	Cu	15	1	As				
	1400		S/S	15		06.8	80	73													
	1700		S/S	15		05.4	84	74	NE	12	3	0.0	2	Cu	15	4	Ac				
	2000		S/S	15		07.5	81	XX	NE	12	3	0.9	3	Cu	15	2	Ac				
	2300		S/S	15		07.5	81	73	ENE	14	3	0.0	3	Cu	15	3	Ac				
MAJURO	0500		B/S	12		06.1	81	77	ENE	15	8	0.3	4	Cu	15	6	As				
	1100		S/S	12		07.7	85	77	ENE	15	2	0.1	3	Cu	15	3	As				
	1700		S/S	12		05.1	82	78	NE	14	0	0.1	4	St	15	2	Ac		2	Cs	
	2300		B/S	12		07.3	80	77	NE	12	8	0.2	4	St	15	6	As				
TARAWA	0000		S/S			06.4	80	73	E	6	1	0.3	2	Cu	20				1	Ci	
	0300		S/S			05.8	79	75	E	9	8	0.8	3	Cu	25	1	Ac	150			As 130
	0600					05.4	80	77	NE	9	6	0.4	3	Cu	25	3	Ac	130			
	0900					06.4	81	75	NE	6	4	1.0	3	Cu	25	4	Ac	120			As 120
	1200					06.4	87	80	ENE	9	2	0.0	3	Cu	30	3	Ac	150	1	Ci	As 150
	1500	20	O			05.1	79	76	SE	12	8	1.3	10	Cb	20						Sc 20
	1800		O/S			02.7	80	76	SSE	11	6	2.4	10	Cu	25	9	As	120			
	2100		S			07.1	80	76	SSE	12	3	4.4	4	Cu	20						
WAKE	0200		S	12		13.2	81	74	E	14	8	1.4	2	Cu	20						RW B 0058 E 0610
	0500		S	12		12.2	81	74	E	11	8	1.0	3	Cu	20						
	0800		S/S	12		13.5	83	73	E	9	3	1.3	4	Sc	80	3	As	130			
	1100		S/S	12		13.5	85	74	ESE	10	3	0.0	3	Sc	80	2	As	130	1	Ci	RW B 1000 E 1015
	1400		S/S	12		12.2	88	76	ENE	10	8	1.3	3	Cu	20	3	As	130	4	Cs	
	1700		S/S	12		11.3	85	74	E	11	6	0.7	4	Cu	20	4	Ac	180			
	2000		B/S	12		13.2	81	71	ENE	10	3	1.7	4	Cu	20	6	As	180			RW B 1855 E 1915 RW/ B2055 E 2200
	2300	K20	B/S	10	RW-	13.5	79	74	ESE	9	3	0.3	7	Cu	20	6	As	180			RW B 2200 E 2300 RW- B2300 E 2400
BIRD DOG 3	0300		B/S	12		09.5	80	75	E	21	7	0.9	3	Cu	20	1	As	120	2	Ci	
	0600		B/S	12		09.3	79	73	ENE	20	0	0.0	3	Cu	20	2	As	120	4	Ci	
	0900		S/S	12		10.1	85	73	E	15	2	0.6	3	Cu	20	2	As	120			
	1200		S/S	12		09.1	85	73	E	15	8	1.0	2	Cu	20	1	As	120			
	1500		B/S	12		07.0	85	74	E	14	8	2.1	2	Cu	20	1	As	120	5	Ci	
	1800		B/S	12		07.4	83	73	E	18	4	0.4	1	Cu	20	7	Ac	120	1	Ci	
	2100		S	12		09.2	80	75	E	10	3	1.8	3	Cu	20						
	2400		S	12		09.3	80	75	E	12	1	0.1	3	Cu	20						
BIRD DOG 4																					

SURFACE OBSERVATIONS 24 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200	E15	S/B	15		09.3	80	74	E	8	7	1.6	7	Cu	15				2	Ci	
	0500		B/S	15		09.4	81	74	ENE	18	4	0.1	3	Cu	15	3	Ac	150	3	Ci	
	0800		B/S	15		11.0	83	75	E	23	3	1.6	3	Cu	15				6	Cs	
	1100		B/S	15		11.0	86	78	ENE	21	3	0.0	3	Cu	15				6	Cs	
	1400		S/S	15		09.1	84	74	ENE	18	9	1.9	3	Cu	15				5	Cs	
	1700		S/S	15		09.2	84	76	ENE	19	5	0.1	4	Cu	15				1	Cs	
	2000		S	15		10.6	82	75	E	21	3	1.4	2	Cu	15						
	2300		S	15		10.0	82	75	ENE	22	3	0.3	3	Cu	15						
ENIWETOK	0200		O/S	20		07.8	82	76	ENE	9	8	1.0	4	Cu	18	10	As	100			
	0500		S	20		07.0	81	76	ENE	10	6	0.8	4	Cu	18						RW B 0300 & 0400
	0800	E18	S/B	25		08.3	82	75	E	12	3	1.5	6	Cu	18	5	Ac	100			
	1100	E18	S/B	15		08.3	82	75	E	10	6	0.2	6	Cu	18	1	As	100	2	Ci	
	1400		S/S	25		07.5	85	77	E	18	6	0.8	3	Cu	18	3	As	100	2	Ci	
	1700		S/S	25		06.0	84	76	ENE	12	8	0.6	5	Cu	18	3	As	100	2	Ci	
	2000	E18	S/B	20		08.7	82	75	E	20	2	1.8	7	Cu	18	3	As	100			
	2300		S	25		09.5	81	74	E	13	2	0.8	4	Cu	18						
KWAJALEIN	0500		S/S	15		05.8	80	73	ENE	25	8	0.6	3	Cu	15	3	Ac				
	0800		S/S	15		07.8	87	84	E	14			5	Sc	15	5	Ac				
	1100		B/S	15		08.1	87	78	NE	14	2	0.5	3	Cu	15	7	As				
	1400																				
	1700	E10	B	6	RW-	07.1	78	74	ESE	12	8	0.1	6	Sc	10						
	2000		O	6		08.5	XX	74	ENE	12	3	0.5	-	Sc	-	-	Ac				
	2300		S/S	15		08.5	79	75	ENE	14	9	0.1	5	Sc	15	5	As				
MAJURO	0500		B/S	6	R	05.7	79	76	NE	12	6	0.2	4	St	15	6	As				
	1100		B/S	12		07.8	84	77	NE	14	0	0.1	4	St	20	6	Ac				
	1700		B/S	12		06.3	81	78	NE	14	8	0.0	4	St	15	6	As				
	2300		S/S	12		08.7	81	78	NE	14	3	0.4	4	St	20	1	As				
TARAWA	0000		S			07.1	81	77	S	10	0	0.1	3	Cu	18						
	0300	E90	O/S			07.1	75	75	NE	4	4	0.0	4	Fc	12	6	As	90			
	0600		O/S			05.8	76	75	NNW	4	6	1.3	2	Fc	10	8	As	100			
	0900		B/S			06.1	79	75		Calm	2	0.3	1	Cu	20	7	As	120			
	1200		B/S			06.1	81	79	E	3	0	0.0	3	Cu	20	5	As	130			
	1500		O/S			05.1	83	78	SE	7	8	1.0	2	Cu	25	8	As	150			
	1800		B/S			04.7	79	77	ENE	7	5	0.4	3	Cu	20	5	As	130			SC 20 AC 130
	2100		B/S			07.5	79	77	E	5	3	2.8	2	Cu	25	2	As	130	2	Ci	
WAKE	0200		B/S	10	RW-	12.5	78	75	E	9	6	1.0	5	Cu	20	6	As	180			RW - % 0100 & 0245
	0500		S/S	12		11.5	80	74	ENE	10	6	1.0	3	Cu	20	3	As	180			
	0800	E80	O/B	12	RW-	12.9	82	74	ENE	10	3	1.4	8	Sc	80				10	Cs	RW % 0750 & 0815
	1100	E80	S/B	12		12.9	82	77	E	13	3	0.0	9	Sc	80	3	Ac	180	3	Cs	RW B 0950 & 1000
	1400		S/S	12		12.2	85	75	E	12	8	0.7	2	Cb	20	4	Ac	180			
	1700		B/S	12		12.2	85	75	E	10	3	0.0	2	Cb	20	7	Ac	180			RW B 1715 & 1730 RW B 1855 & 1915
	2000		S/S	12		13.9	80	73	E	13	1	1.7	3	Sc	80	3	As	180			LGT NW To E CLD To CLD
	2300		S/S	12		14.6	82	75	E	10	1	0.7	2	Cb	20	2	As	180			LGT W To E CLD To CLD
BIRD DOG 3	0300		S	12		07.7	83	74	E	19	7	1.3	3	Cu	20						
	0600		B/S	12		07.7	80	77	E	22	0	0.0	3	Cu	20	2	Ac	120	1	Ci	
	0900		S/S	12		09.1	82	76	E	23	0	1.4	3	Cu	20				2	Ci	
	1100	E20	B/B	12		08.6	83	76	E	23	9	0.5	6	Cu	20				2	Ci	
	1400	E20	B/B	12		07.6	84	76	ESE	15	8	1.0	8	Cu	20				1	Ci	
	1700		B/S	12		08.4	82	77	E	15	1	0.8	1	Cu	20	4	As	120	3	Ci	
	2000		B/S	12		09.4	80	77	ENE	15	0	1.0	1	Cu	20	4	As	120			
	2300		B/S	12		09.5	79	76	ENE	12	1	0.1	3	Cu	20	2	As	120	3	Ci	
BIRD DOG 4																					

SURFACE OBSERVATIONS — 25 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		4	15		09.7	81	74	ENE	22	8	1.2	1	Cu	15						
	0900		3	15		09.6	80	72	ENE	15	8	0.1	1	Cu	15						
	0800		8/8	15		11.1	84	74	ENE	19	3	1.5	4	Cu	15				3	Ca	
	1100		8/8	15		11.4	86	75	ENE	18	1	0.3	2	Cu	15	4	As	100	4	Ca	
	1400		0/	15		09.6	86	76	E	15	8	1.8				2	As	120	8	Ca	
	1700		8/8	15		09.7	84	74	NE	21	4	0.1	3	Cu	15	2	As	100	5	Ca	
	2000		8/8	15		11.2	82	77	ENE	25	3	1.5	6	Cu	15				2	Ca	INTMT RW - RW- B 1910 E 2000
	2300		0/8	15		11.4	82	77	ENE	22	0	0.2	4	Cu	15				3	Ca	
ENIWETOK	0800		8	20		08.3	81	74	E	12	8	1.2	2	Cu	18						
	0500		8	20		07.9	81	74	ENE	12	5	0.4	3	Cu	18						
	0800		8/8	30		08.9	82	76	E	18	3	1.0	4	Cu	18	2	As	100			
	1100		8/8	30		09.6	86	77	E	18	1	0.7	4	Cu	18	2	As	100			
	1400	E 18	8/8	30		08.0	86	79	E	15	6	1.6	6	Cu	18	2	As	100			
	1700		8/8	25		07.6	84	78	ENE	18	6	0.4	4	Cu	18				2	Ci	
	2000		8	20		08.0	82	76	ENE	18	3	1.0	5	Cu	18						
	2300	E 18	8/8	18		09.6	80	76	ENE	14	1	1.0	6	Cu	18	4	As	100			
KWAJALEIN	0500		8/8	6	RW-	07.8	80	76	E	25	4	0.7	4	Cu	15	2	As				
	0800		8/8	12		08.1	82	76	NE	25			5	Cu	15	7	As				
	1100		8/8	15		07.8	84	77	ENE	25	9	1.1	3	Cu	15	2	As		1	Ca	
	1400		8/8	15		07.7	84	76	ENE	15	8	1.0	4	Cu	15	2	As				
	1700		8/8	15		06.4	83	76	ENE	27	3	0.2	4	Cu	15	6	As				
	2000		8/8	12		05.1	82	76	NE	25	3	0.8	3	Cu	15	7	As				
	2300		8/8	15		08.8	82	75	ENE	25	2	0.3	3	Cu	15	7	As				
MAJURO	0300		8/8	12		07.8	81	78	NE	14	6	0.2	5	St	15	1	As				
	1100		8/8	6	R	08.6	74	78	NE	12	9	0.0	5	St	15	2	As		1	Ca	
	1700		8/8	12		07.1	82	79	NE	12	5	0.1	5	Cu	15	5	Ac				
	2300		8/8	6		08.5	79	77	NE	14	0	0.1	5	St	10	5	As				
TARAWA	0000		8/8			07.8	80	79	E	4	4	0.1	5	Cu	25				2	Ci	
	0500		0/8			06.4	79	76	ENE	7	9	1.4	1	Cu	20	9	As	140			
	0600		8/8			06.1	76	75		Calm	6	0.3	1	Fo	14	8	As	140			As 140
	0900		8/8			06.4	79	75		Calm	4	0.3	3	Fo	20				4	Ca	
	1200		8/8			07.5	85	80	ENE	9	9	1.1	3	Cu	25	3	As	140	2	Ci	
	1500	E 25	8/8			05.4	84	75	NE	4	8	2.1	2	Cu	25				2	Ca	4 CB 25
	1800		8/8			05.4	82	74	ENE	8	6	0.0	3	Cu	25	3	As				As 120
	2100		8/8			09.5	79	78	E	6	3	4.1	2	Cu	25	2	As	120			
WAKE	0800		8	12		14.9	80	75	E	11	4	0.3	4	Cb	20						LYRG CLD TO CLD RW-B0400 E 0500
	0900	E 20	8	12	R	14.9	78	74	ENE	2	3	0.0	9	Cb	20						LYRG CLD TO CLD RW-B 0921 E 1030
	0800		8/8	12		15.2	80	74	ENE	10	4	0.3	2	Cb	20	7	As	110			
	1100	E 30	8/8	12		14.9	79	75	E	8	3	0.3	6	Ns	50	6	As	110			
	1500		8/8	12	RT	13.9	84	75	E	10	8	1.0	3	Ns	80	4	As	110			RT B 1347 E 1420 B B1420 E 1434
	1700		8/8	12		13.5	78	75	E	15	9	0.4	3	Cb	20	4	As	110			RW B 1545 E 1555
	2000	E 30	8/8	12		14.6	80	75	ENE	13	4	1.1	6	Sc	50	7	As	150			R B 2050 E 2200 R-B 2200 E 2300
	2300		8/8	10	RW-	14.6	76	72	ENE	15	3	0.0	4	Cu	20	6	As	110			RW- B 2300 E 2359
RED DOG 3	0800		8/8	12		07.5	80	75	E	10	8	2.0	3	Cu	20	2	As	120	3	Ci	R - B 0500 E 0400
	0900		8/8	12	R-	07.9	81	75	E	10	4	0.4	3	Cu	20	4	As	120	2	Ci	R - B 0500 E 0600
	0800	E 20	8/8	12		09.7	82	77	E	14	3	1.8	6	Cu	20	2	As	120	1	Ci	
	1100		8/8	12		09.1	84	76	E	20	0	0.6	3	Cu	20	2	As	120	3	Ci	
	1400		0/8	12		07.2	82	76	E	22	8	1.9	3	Cu	20	3	As	120	4	Ci	
	1700		8/8	12		07.1	82	76	ENE	16	6	0.1	5	Cu	20	4	As	120	1	Ci	
	2000		8/8	12		08.6	82	76	ENE	16	4	1.5	2	Cu	20	3	As	120	2	Ci	
	2300		8/8	12		08.0	82	76	ENE	26	8	0.6	3	Cu	20	4	As	120	2	Ci	
RED DOG 4																					

SURFACE OBSERVATIONS — 26 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (ADD 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		8/8	15		09.4	82	77	E	21	8	2.0	2	Cu	15				4	Cs	
	0500	K14	8/8	15		09.6	81	77	ENE	21	2	0.2	6	Cu	14	5	Ac	120	1	Cs	RW- B0400 E0500
	0800		8/8	15		11.4	82	75	ENE	15	3	1.8	5	Cu	15	5	Ac	100	2	Cs	
	1100	K15	8/8	12		11.5	84	75	ENE	12	0	0.1	7	Cu	15	2	Ac	100	1	Cs	RW To SE
	1400	K70	8/8	15		09.8	84	75	ENE	16	8	1.7	2	Cu	15	7	Ac	70			RW - B1125 E1134
	1700		8/8	15		09.5	86	75	ENE	22	5	0.3	2	Cu	15	3	Ac	100	2	Ci	
	2000		8	15		11.7	82	74	ENE	18	3	2.2	1	Cu	15						RWO-B1930 E1940
	2300	K80	8	15		11.6	82	74	ENE	11	9	0.1	2	Cu	15	8	As	80			
ENIWETOK	0200		8	20		08.6	81	76	ENE	14	8	1.0	5	Cu	18						
	0500		8	20		07.6	82	76	E	14	8	1.0	5	Cu	18						
	0800		8/8	30		10.2	84	75	E	14	3	2.6	3	Cu	18	2	As	100	5	Ci	
	1100		8/8	30		10.5	86	75	E	11	1	0.3	4	Cu	18	2	As	100	8	Ci	
	1400		8/8	20		09.0	85	74	E	18	9	1.5	2	Cu	18	8	As	100			
	1700		8/8	20		07.9	83	76	E	10	6	1.1	4	Cu	18	10	As	100			
	2000		8/8	20		09.6	82	75	ENE	13	3	1.7	4	Cu	18	9	As	100			
	2300	K18	8/8	25		10.6	82	76	ENE	18	2	1.0	6	Cu	18	4	As	100			
KWAJALEIN	0500		8/8	15		06.1	81	80	ENE	15	5	0.8	5	Cu	15	7	As				
	0800	K18	8/8	6		07.8	81	75	ENE	14			8	Cb	18	2	As				
	1100	K18	8/8	15		08.8	86	80	ENE	25	8	0.3	2	Cu	15	4	Ac				
	1400		8/8	15		05.1	88	78	E	25	6	1.9	5	Cu	15	2	Ac				
	1700		8/8	15		06.4	83	76	ENE	25	5	0.7	2	Cu	15	2	Ac		1	Cs	
	2000		8/8	15		08.8	81	75	ENE	15	3	1.2	4	Cu	15	2	As				
	2300		8/8	6	RW-	09.5	78	75	E	14	2	0.2	5	Cu	15	5	As				
MAJURO	0500		8/8	12		06.5	81	77	NE	25	9	0.3	3	St	15	2	As				
	1100		8/8	12		08.3	84	80	E	14	2	0.0	4	Cu	15	1	Ac		1	Cs	
	1700		8/8	12	T	06.3	82	78	NE	12	3	0.1	4	Cu	15	1	As		1	Cs	
	2300		8/8	12	T	09.3	81	78	NE	14	2	0.7	4	Cu	15	6	Ac				
TARAWA	0000		8/			07.1	80	76	ENE	10	0	0.0				7	As	130			AS 130
	0300		8/			05.8	80	74	ENE	10	8	1.3				3	Ac	130	4	Ci	AS 130
	0600		8/8			06.1	80	76	ENE	8		0.3	1	Cu	18				7	Ci	
	0900		8/8			06.4	83	76	ENE	8	2	0.7	2	Cu	25	1	As	130	2	Cs	5 FC 25
	1200		0/8			06.4	87	74	ENE	11	0	0.0	2	Cu	25	3	As	130	3	Ci	
	1500		8/8	10		05.8	81	78	ESE	13	7	0.6	3	Cu	20	3	As	130			
	1800		8/8			05.1	81	77	SE	11	6	0.7	2	Cu	20	2	As	130	2	Ci	
	2100		8			06.4	80	78	E	11	3	1.3	2	Cu	20						
WAKE	0200		8	12		13.9	80	72	E	11	8	0.7	5	Cu	20						
	0500		8/8	12		13.9	78	72	E	9	3	0.0	2	Cu	20	2	As	110			
	0800		8/8	12		14.9	82	74	E	11	1	1.0	2	Cu	20	2	Ac	110			RW-B0825 E0837
	1100		8/8	12		15.6	82	73	E	11	1	0.7	3	Cu	80	4	As	120			RW B1125 E1135
	1400		8/8	12		14.2	82	73	E	10	8	1.3	2	Cu	20	7	As	120			
	1700		8/8	12		14.2	79	73	E	10	3	0.0	3	Sc	50	2	As	150			RW-B1625 E1750
	2000		8	12		15.6	87	73	E	14	1	1.3	2	Cu	20						
	2300		8/8	12		14.2	79	73	E	10	3	1.4	3	Sc	50	2	As	150			
BIRD DOG 3	0200																				
	0500																				
	0800																				
	1100																				
	1400																				
	1700																				
	2000																				
	2300	K20	8/8	12		11.3	80	77	E	24			6	Cu	20				2	Ci	
BIRD DOG 4																					

SURFACE OBSERVATIONS — 27 JUNE — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	OBT	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	OBT 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800	W80	20	15		09.6	82	77	E	20	8	2.0	3	Cu	15	6	As	80			
	0900		s/c	15		09.8	81	75	ENE	15	4	0.2	4	Cu	15	3	Ac	70			
	0800		s/c	15		11.5	85	76	ENE	16	3	1.7	5	Cu	15	3	Ac	120			
	1100		s/c	15		11.4	87	76	ENE	16	8	0.1	5	Cu	15	4	Ac	120			RW TO S
	1400		s/c	15		09.7	86	76	ENE	15	8	1.7	2	Cu	15	5	As	120	1	Ci	
	1700		s/c	15		09.0	86	75	E	14	2	0.7	2	Cu	15	6	Ac	120	1	Ci	
	2000		s/c	15		11.0	80	75	NE	12	3	2.0	1	Cu	15	2	Ac	120			
	2300		s	15		11.9	82	77	ENE	8	1	0.5	1	Cu	15						
ENIWETOK	0200	W18	s	6	RW	06.4	82	76	ENE	14	8	1.7	7	Cu	18						RW B 0200 E 0300
	0500	W18	c	6	R	08.8	78	77	ENE	22	5	0.1	10	Cu	18						R B 0400 E 0700
	0800	W50	OS	6	RW	10.3	80	76	ENE	14	3	1.5	2	Cu	18	10	As	80			RW B 0800 E 1000
	1100	W80	OS	12		09.9	81	75	E	15	7	0.4	2	Cu	18	10	As	80			
	1400	W80	ws	20		08.7	82	74	ENE	8	6	1.2	2	Cu	18	8	Ac	80			
	1700		s/c	25		08.4	84	74	E	10	6	0.3	2	Cu	18	9	Ac	100			
	2000		s/c	20		09.4	81	77	ENE	11	1	1.0	3	Cu	18	9	Ac	100			
	2300		o/c	12		10.4	81	76	ESE	22	1	1.0	4	Cu	18	10	Ac	100			
KWAJALEIN	0500		s/c	15		06.1	80	76	E	12	8	0.8	5	Cu	10	2	As				
	0800		c	15	R	08.3		80	-	-	-	-	-	-	-	-	-					
	1100		s	15	RW-	10.2	85	74	ESE	25	4	0.9	4	Cu	15						
	1400		s	6	RW-	08.5	78	75	-NE	25	3	0.9	8	Sc	15						
	1700		s/c	15		07.5	80	74	ENE	25	6	0.5	2	Cu	15	8	As				
	2000		s/c	15		09.5	80	75	ENE	15	3	1.0	3	Cu	15	5	As				
	2300		s/c	15		11.5	78	74	ENE	15	0	1.0	3	Cu	15	4	As		3	Cs	
MAJURO	0500		s/c	12	RW-	07.1	80	77	E	12	5	0.3	5	St	10	5	Ac				
	1100		s/c	12		09.7	83	78	ENE	12	0	0.2	3	St	15	4	Ac				
	1700		s/c			07.5	82	77	ENE	14	5	0.3	5	St		5	Ac				
	2300		s/c	12		09.7	80	77	NE	14	3	0.1	4	Cu	15	3	As				
TARAWA	0000		s			07.8	80	79	E	6	3	0.3	2	Cu	20						
	0300		s/			06.4	80	75	ENE	7	9	1.4							2	Ci	
	0600		s/s		R-	07.5	76	75	NE	8	5	1.1	2	Fo	25	7	As	110			R- B 0600 E Not Recorded
	0900		s/s			07.1	82	77	E	3	4	0.4	2	Cu	25	4	As	110	1	Ci	
	1200		s/s			08.5	87	75	E	14	3	1.4	2	Cu	25	2	As	120	1	Ci	
	1500		s/s			06.4	88	79	E	9	8	2.1	2	Cu	25				2	Ci	
	1800		s/s			05.4	85	77	E	10	6	1.0	2	Cu	25				2	Ci	
	2100		s			06.8	81	76	E	5	3	1.4	2	Cu	20						
WAKE	0000		s/s	6	RW/	14.6	79	75	E	21	6	1.0	4	Sc	80	4	As	110			RW B0100 E 0200 RW/ B 0200 E 0202
	0500		s	12		13.9	78	73	E	10	6	0.7	3	Cu	20						RW- B0615 E0630
	0800		s/s	12		14.6	81	73	E	10	4	0.7	3	Cu	20	1	As	110			
	1100		s	12		14.2	85	75	E	9	9	0.4	3	Cu	20						
	1400		s	12		13.9	86	73	ENE	11	8	0.3	2	Cu	20						
	1700		s	12		12.9	85	74	ENE	10	6	1.0	1	Cu	20						
	2000		s	12		13.5	81	73	E	10	1	0.6	2	Cu	20						RW- B 2100 E 2130
	2300		s	12		14.6	81	73	E	11	1	0.9	2	Cu	20						
BIRD DOG 3	0000	W20	s/s	6		10.3	81	78	E	20	9	1.0	7	Cu	20				1	Ci	
	0500		s/s	12		09.7	79	76	E	16	9	0.6	4	Cu	20				1	Ci	
	0800	W20	s/s	12		11.7	81	78	ENE	6	3	2.0	7	Cu	20	3	As	120			
	1100	W16	o	1	RW-	12.6	78	78	E	32	1	0.9	10	Sc	16						
	1400	W80	o	8	R-	10.7	78	74	E	4	8	1.9				10	As	60			
BIRD DOG 4																					

SURFACE OBSERVATIONS 28 JUNE 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 to 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000		B	15		10.0	81	74	ENE	9	8	1.5	6	Cu	15					
	0300		B	15		10.4	82	74	ENE	10	4	0.4	4	Cu	15	4	Ac	70		
	0600		B/S	15		11.5	85	75	E	12	3	1.1	1	Cu	15	6	Ac	120		
	1100		S/	15		11.5	86	78	E	15	3	0.0				2	Ac	120		
	1400		S/S	15		10.1	90	75	E	9	8	1.4	2	Cu	15	1	Ac	120		
	1700		B/S	15		09.9	88	74	E	7	8	0.2	1	Cu	15	6	Ac	120		
	2000		B/S	15		11.6	84	74	E	3	3	1.7	1	Cu	15	6	Ac	120		
	2300		B/	15		12.6	83	75	E	3	6	1.0				6	Ac	120		
ENIWETOK	0000		O/S	10		08.5	81	73	ESE	15	6	1.9	3	Cu	18	10	As	100		
	0300		O/S	12		08.2	80	74	ESE	12	9	0.3	3	Cu	18	10	As	100		
	0600		B/S	20		10.1	81	76	E	8	3	1.9	3	Cu	18	9	Ac	100		
	1100		B/S	15		10.4	86	73	ESE	7	0	0.3	4	Cu	18	8	As	100		
	1400		B/S	25		08.9	85	77	E	8	6	1.5	3	Cu	18	4	As	100	6	Ci
	1700	#18	B/S	20		07.9	81	73	ESE	8	8	1.0	8	Cu	18	9	As	100		
	2000	#18	O	6		09.9	80	70	E	15	4	2.0	10	Cu	18					RW B 1900 E 2000
	2300	#18	O	12		10.6	80	77	NE	8	1	0.7	10	Cu	18					
KWAJALEIN	0300		S/S	15		08.1	80	73	ENE	12	9	0.8	4	Cu	15	1	As		1	Cs
	0600		S/S	15		08.1	87	75	NE	9			4	Cu	15	1	As		1	Cs
	1100		S/S	15	RW-	09.5	82	77	E	12	3	0.0	3	Cu	15	2	As		1	Cs
	1400		S/S	12		05.8	89	78	ENE	14	8	1.9	4	Cu	15	2	As			
	1700		S/S	15		06.8	85	78	NE	14	4	0.3	4	Cu	15	2	As		1	Cs
	2000		S/S	15		08.8	82	75	NE	15	3	1.2	4	Cu	15	1	As		1	Cs
	2300		S/S	15		09.8	81	75	ENE	14	0	0.4	4	Cu	15	2	As		1	Cs
MAJURO	0300		S/S	12		07.7	80	77	NE	12	8	0.3	2	Cu	15	1	As		1	Cs
	0900																			
	1100		S/S	12		09.3	85	78	NE	12	0	0.2	4	Cu	15	1	Ac		1	Cs
	1700		S/S	12		07.0	83	77	NE	12	6	0.4	4	Cu	15	1	Ac			
	2300		S/S	12		10.2	80	76	NE	12	2	0.4	3	Cu	15	2	Ac			
TARAWA	0000		S			06.0	82	78	E	7	3	0.4	2	Cu	20					
	0300		S			07.1	80	76	ENE	3	9	1.1	2	Cu	28					
	0600		S			07.5	81	78	E	10	4	0.4	2	Cu	25					
	0900		S			07.1	84	74	NE	5	4	0.4	2	Cu	20					
	1200		S			09.1	87	79	NE	5	1	0.2	2	Cu	20					
	1500		S/S			06.4	88	77	ENE	7	7	2.7	2	Cu	25				1	Ci
	1800		S/S			05.8	86	88	NE	1	6	0.4	1	Cu	25				4	Cs
	2100		S			08.5	81	76			3	2.7	2	Cu	20					
WAKE	0000		S	12		13.2	79	72	E	10	8	1.4	2	Cu	20					RW - B 0100 E 0150
	0300		S	6	RW/	12.2	80	73	E	30	8	1.0	3	Cu	20					RW/ B 0455 E 0459
	0600		S/S	12		13.5	81	73	E	10	3	1.3	2	Cu	20	1	As	140		
	1100		S	12		14.2	85	72	E	10	1	0.7	1	Cu	20					RW / B 1155 E 1220
	1400		S	12		12.9	85	72	E	11	8	1.3	2	Cu	20					
	1700		S	12		11.5	85	72	E	9	8	1.4	1	Cu	20					
	2000		S	12		12.5	81	71	ENE	9	3	1.0	2	Cu	20					
	2300		S	12		13.5	80	73	E	10	3	1.0	1	Cu	20					
BIRD DOG 3																				
BIRD DOG 4																				

SURFACE OBSERVATIONS 1 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FT.)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 1500 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000		8	15		12.6	82	74	E	15		1	Cu	15						
	0100		8	15		11.9	82	74	E	17		1	Cu	15						
	0200		8	15		11.4	82	74	E	15	6	1.7	1	Cu	15						
	0300		8	15		11.7	82	74	E	17			2	Cu	15						
	0400		8	15		11.1	82	74	E	17			2	Cu	15						
	0500		8/8	15		11.6	81	74	E	15	7	0.2	5	Cu	15	2	Ac	120			
	0600		8/8	15		11.9	82	74	E	14			2	Cu	15	1	Ac	120	7	Cs	
	0700		8/8	15		11.2	84	74	E	11			2		15				7	Cs	
ENIWETOK	0800		8/	15		12.2	86	74	ENE	9	2	0.6	1		15	1	Ac	120	7	Cs	
	0900		8/	15		12.2	86	74	ENE	8			1		15	2	Ac	120	6	Cs	
	1000		8/8	15		12.1	84	74	ENE	8			1	Cu	15	2	Ac	120	6	Cs	
	1100		8/8	15		11.6	86	74	ENE	9	7	0.6	4	Cu	15	1	Ac	120	4	Cs	
	1200		8/8	15		11.3	88	74	ENE	11			2	Cu	15	2	Ac	120	5	Cs	
	1300	K15	8/8	15		11.1	89	74	ENE	11			5	Cu	15	1	Ac	120	3	Cs	
	1400	K15	8/8	15		11.3	88	74	NE	9	7	0.6	7	Cu	15	1	Ac	120	2	Cs	
	1500	K15	8/8	15		11.3	88	74	NE	8			7	Cu	15	1	Ac	120	2	Cs	
KWAJALEIN	1600	K15	8/8	10		11.2	88	74	ENE	9			7	Cu	15				2	Cs	RV E
	1700	K15	8/8	10		11.2	88	74	E	14	3	0.0	9	Cu	15				1	Cs	RW RDCED VSBY 5 MI TO E
	1800	K15	8/8	10		11.3	83	76	ENE	8			3	Cu	15				6	Cs	RV E 1730
	1900		8/8	10		11.5	85	75	ENE	11			1	Cu	15	1	Ac	80	7	Cs	SCTD CU 15 END
	2000		8/8	10		11.6	83	76	ENE	14	3	0.0	1	Cu	15	3	Ac	80	3	Cs	SCTD CU 15 END
	2100		8/8	10		11.2	82	75	E	19			1	Cu	15	3	Ac	60		Cs	
	2200		8	10		12.6	82	75	E	15			1	Cu	15	1	Ac	60	1	Cs	
	2300		8	10		12.6	82	77	E	18	3	0.6							2	Cs	
MAJURO																					
TARAWA																					
WAKE																					
RED DOG 3																					
RED DOG 4																					

SURFACE OBSERVATIONS

1 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET X-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		8	15		11.4	82	74	E	13	8	1.7	1	Cu	15						
	0900		8/8	15		11.6	84	74	E	15	7	0.2	3	Cu	15	2	Ac	120			
	0800		8/	15		12.2	86	74	ENE	9	2	0.6							7	Cu	
	1100		8/8	15		11.6	86	74	ENE	9	7	0.6	4	Cu	15	1	Ac	120	4	Cu	
	1400	R15	8/8	15		11.3	88	74	NE	9	7	0.3	7	Cu	15				2	Cu	
	1700		8/8	10		11.3	85	76	ENE	8	5	0.0	3	Cu	15				6	Cu	RW E B 1600 E 1630
	2000		8	10		11.2	82	75	E	19	3	0.1				3	Ac	60			
	2300		8	10		13.0	82	77	E	13	3	0.8							2	Cu	
ENIWETOK	0200		8/8	20		09.8	81	73	ENE	6	6	5.2	3	Cu	18	3	Ac	100			
	0500		8/8	20		09.1	80	73	NE	6	6	0.7	2	Cu	18	1	Ac	100			
	0800		8/8	30		10.6	83	75	E	9	3	1.3	3	Cu	18	1	Ac	100			
	1100		8/8	30		10.0	86	75	E	7	4	0.6	3	Cu	18	2	Ac	100			
	1400		8/8	30		09.8	86	76	E	8	8	0.2	3	Cu	18	3	Ac	100			
	1700		8/8	30		09.1	86	77	E	6	5	0.7	4	Cu	18	1	Ac	100			
	2000		8	20		10.4	82	76	E	5	1	1.3	3	Cu	18						
	2300		8	20		10.9	83	77	ENE	9	1	0.5	2	Cu	18						
KWAJALEIN	0800		0/8	15		08.8	80	75	ENE	14	8	0.3	3	Cu	20	10	Ac	110			AB 110
	0500		0/8	15		08.8	82	75	ENE	12	0	0.0	3	Cu	20	10	Ac	110			AB 110
	0800		3/8	15		09.5	82	77	E	4	3	1.3	3	Cu	20	8	Ac	110			AB 110
	1100		8/8	15		10.2	88	77	E	13	4	0.7	3	Cu	20	5	Ac	110	3	Ci	
	1400		8/8	15		08.5	88	79	NE	11	8	1.7	4	Cu	20	3	Ac	110	3	Ci	
	1700		8/8	15		08.5	86	76	E	15	5	0.0	3	Cu	20				2	Ci	
	2000		8/8	15		09.8	89	75	ENE	13	4	1.3	4	Cu	20	3	Ac	110	1	Ci	
	2300		8/8	15		10.8	81	74	ENE	10	1	1.0	3	Cu	20	1	Ac	110	1	Ci	
MAJURO	0500		8/8	12		09.0	81	75	NE	12	5	0.1	3	Cu	15	1	Ac				
	1100		8/8	12		08.7	85	77	NE	12	2	0.8	3	Cu	15	1	Ac		1	Cu	
	1700		8/8	12	?	08.4	88	76	NE	14	5	0.2	5	Cb	30	5	Ac				
	2300		8/8	6	R /			78	ENE	25			5	St	15	5	Ac				
TARAWA	0000	R20	8	10		10.8	78	73	Calm		0	1.4	6	Cu	20						
	0300	R60	0 8	10		09.8	74	73	ENE	3	5	1.0	2	Fc	20	10	Ac	60			
	0600		0/8	10		09.1	77	76	SE	4	8	0.7	4	Cu	20				8	Cu	
	0900		8/8	10		10.5	80	79	Calm	4	4	1.4	4	Cu	20	2	Ac	120	1	Cu	RAT 12000 RY ACFT
	1200		8	10		09.1	84	78	Calm		0	1.4	4	Cu							
	1500		8	10		07.8	86	79	Calm		8	1.3	3	Cu	25						
	1800		8	10		08.3	84	74	NE	5	4	0.3	3	Cu	25						
	2100		8	10		10.2	81	80	E	6	3	2.1	2	Cu	25						
WAKE	0300		8	12		12.5	79	73	SE	3	9	1.4	1	Cu	20						
	0500		8	12		12.2	76	72	Calm		6	0.5	1	Cu	20						
	08		0/8	12		13.5	82	72	Calm		3	1.3	1	Cu	20				10	Cs	
	1100		0/8	12		12.9	86	70	NE	8	9	0.6	1	Cu	20				9	Cs	
	1400		0/8	12		12.9	87	73	E	8	0	0.0	4	Cu	20				10	Cs	RINOVC
	1700		8/8	12		11.9	86	70	E	3	1	1.0	2	Cu	20	3	Ac	160	5	Cs	
	2000		8/8	12		13.5	80	71	ENE	8	3	1.4	2	Cu	20	9	Ac	150			
	2300		8/8	12		13.5	82	73	ENE	2	0	0.0	3	Cu	20	3	Ac	150			
BIRD DOG 3	0000		8/8	12		11.4	81	77	E	19	8	1.7	1	Cu	20	1	Ac	120			
	0500		8/8	12		11.5	81	77	E	17	3	0.1	1	Cu	20	2	Ac	120			
	0800		8/8	12		12.5	85	79	ENE	12	4	1.2	2	Cu	20	3	Ac	120			
	1100		8/8	12		13.1	84	80	E	14	4	0.4	2	Cu	20	1	Ac	120			
	1400		8/8	12		112.0	84	76	E	15	7	1.1	1	Cu	20	1	Ac	120	1	Ci	
	1700		8/8	12		11.4	85	78	ENE	14	5	0.6	1	Cu	20	4	Ac	120	3	Ci	
	2000		8/8	12		13.7	80	76	ENE	23	1	2.3	5	Cu	20	2	Ac	120			
	2300		8/8	12		12.3	79	76	ENE	15	6	1.4	2	Cu	20	3	Ac	120			
BIRD DOG 4	0100																				
	0400																				
	0700																				
	1000																				
	1300		8/8	12		10.3	84	76	NE	7	8	1.1	3	Cu	15				3	Ci	
	1600		8/8	12		09.8	84	76	ENE	5	6	0.5	3	Cu	15				4	Cs	
	1900		8/8	15		11.1	82	75	ENE	7	2	1.3	4	Cu	15				4	Cs	
	2200		8/8	12		10.8	83	76	ENE	7	7	0.3	4	Cu	15				4	Cs	

SURFACE OBSERVATIONS — 2 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 8-TH. PREC. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		s/s	10		11.2	81	77	E	14	7	1.5	4	Cu	15				2	Cs	RW- B2325 E 2543
	0900		s/s	10		11.2	80	76	ENE	6	6	0.0	1	Cu	15	6	Ac	100			
	0800		s/s	15		12.1	83	75	ENE	13	3	0.6	1	Cu	15	4	Ac	120	3	Cs	
	1100		s/s	15		12.0	87	76	ENE	10	9	0.1	2	Cu	15	4	Ac	120	1	Cs	
	1400		s/s	15		10.7	84	77	ENE	10	8	1.3	1	Cu	15	4	Ac	120	4	Cs	RW- B 1315 E 13 30
	1700		s/s	15		10.4	89	76	E	15	5	0.3	2	Cu	15				5	Ci	
	2000	KB5	s/s	15		12.6	82	77	ENE	13	3	2.2	6	Cu	15				2	Ci	
	2300	K/s	s/s	15		12.8	82	75	NE	16	0	0.2	1	Cu	15				2	Ci	
BUNNETOK	0800		s	20		09.8	81	76	E	8	6	1.1	5	Cu	18						RW B0140 E 0150
	0900		s	20		09.8	80	75	ENE	7	0	0.0	3	Cu	18						RW B0625 E 0643
	0800	KB	s/s	20		11.5	80	73	E	15	3	1.5	7	Cu	18	3	Ac	100	1	Ci	
	1100		s/s	30		11.5	86	76	ENE	7	3	0.2	2	Cu	18	-	-	-	5	Ci	
	1400		s/s	30		10.2	86	77	E	7	8	1.3	2	Cu	18	-	-	-	4	Cs	
	1700		s/s	30		09.2	85	75	E	5	6	1.0	3	Cu	18	-	-	-	5	Ci	
	2100	KB	E	20		10.1	82	73	E	12	1	0.9	6	Cu	18	3	Ac	100			
	2300		o/s	20		11.5	82	77	E	10	1	1.4	3	Cu	18	10	As				
KWAJALEIN	0800		s/s	12		10.5	81	75	ENE	13	9	0.1	3	Cu	20	2	As	120			
	0900		o/s	10	R-	08.5	80	76	ENE	15	0	2.0	4	Cu	20	10	Ac	100			AS100
	0800		o/s	12		09.5	82	77	ENE	9	3	1.0	2	Cu	20	9	As	110			AC110
	1100		s/s	12		10.8	86	77	ENE	7	4	1.3	2	Cu	20	6	As	120			
	1400		s/s	12		09.1	88	77	NE	11	6	1.7	3	Cu	20	4	Ac	120	1	Ci	AS 120
	1700		s/s	12		08.4	87	78	NE	12	5	0.6	2	Cu	20	1	As	120	1	Ci	
	2000		o/s	9	RW-	10.5	82	75	NE	19	3	2.0	3	Cu	20	10	As	120			AS 120
	2300	KB0	o	8	RW-	10.8	79	74	ENE	23	0	0.5	10	Cu	20						
MAJURO	0800		s/s	12		08.0	80	77	NE	12	6	0.4	2	Cu	15	2	As				
	1100		s/s	12		10.0	84	81	NE	12	3	0.0	2	Cu	15	1	As		1	Cs	
	1700		s/s	12		09.2	83	76	NE	12	8	0.1	3	Cu	15	2	As		1	Cs	
	2300		s/s	12		09.8	80	78	NE	12	2	0.6	2	Cu	15	3	As				
TARAWA	0000		s	10		10.5	82	79	E	6	1	1.4	3	Cu	25						
	0300		s	10		09.1	79	77	NE	3	8	1.4	2	Cu	25						
	0600		s	10		07.5	78	77	E	3	7	1.6	2	Cu	25						
	0900		s	10		09.8	83	78	ENE	4	3	2.3	4	Cu	20						
	1200		s	10		09.1	88	80	SE	2	9	0.7	3	Cu	20						
	1503		s	10		07.8	86	76	Calm		8	1.3	3	Cu	30						
	1800		s	10		08.1	89	80	SE	2	4	0.3	3	Cu	30						
	2100		s	10	R-	10.5	78	77	ENE	3	3	2.4	3	Cu	30						
WAKE	0000		s	12		12.9	78	72	SSE	2	8	0.6	2	Cu	20						LINE TO SE CLD TO CLD
	0300		s/s	12		12.9	78	73	SSE	1	3	0.0	1	Cu	20	1	As	140	4	Cs	
	0800		s/s	12		13.9	82	74	SE	2	3	1.0	2	Cu	20	4	As	140	4	Cs	RW B0347
	1100		s/s	12		13.9	82	75	SSE	2	0	0.0	2	Cu	20	5	As	140	3	Cs	
	1400		s/s	12		12.2	86	72	SSE	8	7	1.7	2	Cu	20				5	Ci	
	1700		s/s	12		11.5	87	75	SW	5	3	0.7	3	Cu	20				8	Ci	RW I 2120
	2000		s/s	12		13.5	80	74	SSE	6	3	2.0	2	Cu	20				4	Cs	
	2300	K20	s	12		13.5	79	74	ESE	8	0	0.0	7	Cu	20						RW E 2253
BIRD DOG 3	0300		s/s	12		11.0	79	75	E	13	3	0.0	3	Cu	20	2	As	120			
	0600		s/s	12		11.7	81	77	E	16	3	0.7	3	Cu	20	4	As	120			
	0900		s/s	12		13.4	83	76	E	19	1	1.7	2	Cu	20	3	As	120			
	1200	K20	s/s	12		13.2	82	77	ENE	18	9	0.2	7	Cu	20	2	As	120			
	1500		s/s	12		12.3	82	78	E	18	9	0.9	4	Cu	20	6	As	120			
	1800		s/s	12		12.7	82	78	E	22	3	0.4	3	Cu	20	4	As	120			
	2100		s/s	12		13.7	81	78	E	17	3	1.0	4	Cu	20	6	As	120			
	2400		s	12		13.6	81	78	E	20	8	0.1	3	Cu	20						
BIRD DOG 4	0100		s/s	10		10.5	83	76	E	7	8	0.3	2	Cu	15				3	Ci	
	0400		s/s	5	RW	10.5	81	76	E	8	0	0.0	5	Cu	15				4	Ci	RW B0402 E0412
	0700		s/s	12		11.3	82	77	E	7	3	0.8	4	Cu	15	3	As	150			
	1000		s/s	20		12.1	85	75	ENE	5	3	0.8	3	Cu	15	3	As	150			
	1300		s/s	20		11.4	87	73	ENE	12	8	0.7	5	Cu	15				2	Ci	
	1600		s/s	20		10.9	86	75	E	9	8	0.5	3	Cu	15	2	As	150	1	Ci	
	1900		s/s	20		11.7	83	74	ENE	9	4	0.8	2	Cu	15				2	Ci	
	2200		s/s	20		12.4	82	74	ENE	8	3	0.7	2	Cu	15	2	As	150			

SURFACE OBSERVATIONS — 3 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200	E15	B	15		11.4	81	74	NE	14	7	1.4	6	Cu	15				3	Ci	
	0500		S/S	15		10.6	82	74	ENE	16	5	0.8	3	Cu	15				3	Ci	
	0800		B/S	15		11.5	83	75	E	15	3	0.9	3	Cu	15				6	Cs	
	1100		S/S	15		11.4	86	75	E	12	3	0.1	3	Cu	15				2	Cs	
	1400		S/S	15		10.3	87	75	E	10	8	0.1	3	Cu	15				4	Cs	
	1700		B/	15		09.5	84	71	E	6	6	0.8							8	Cs	
	2000		S/S	15		11.6	82	72	ENE	6	3	2.1	1	Cu	15				4	Cs	
	2300		S/S	15		11.6	83	75	NE	6	0	0.0	2	Cu	15				2	Cs	
ENIWETOK	0200		S	15		10.6	82	77	E	12	6	0.3	4	Cu	18						RW - B 0315 E 0319
	0500		S	15		09.8	82	78	E	10	6	0.8	4	Cu	18						RW - B 1305 E 1307
	0800		B/S	20		10.6	83	76	ESE	9	3	0.8	3	Cu	18	7	Ac	100	2	Ci	
	1100		S/S	30		10.0	86	77	E	7	1	0.3	4	Cu	18	4	Ac	100	1	Ci	
	1400	E18	S/B	20		09.9	84	77	ESE	10	8	1.0	6	Cu	18	-	-	-	2	Ci	
	1700		B/S	25		08.9	85	76	ESE	5	8	1.0	2	Cu	18	-	-	-	8	Cs	
	2000		B/S	20		11.6	83	76	E	8	3	2.7	4	Cu	18	-	-	-	9	Cs	
	2300		S/S	20		12.0	82	77	ENE	8	1	0.4	3	Cu	18	-	-	-	4	Cs	
KWAJALEIN	0200		B/S	12		09.1	80	75	E	17	8	0.3	4	Cu	20	3	As	110	2	Ci	
	0500		S/S	12		08.1	80	76	NE	15	8	1.0	4	Cu	20				2	Ci	
	0800		B/S	12		09.5	82	78	E	18	1	1.4	4	Cu	20	3	As	120	4	Ci	
	1100	E20	B/B	12		10.5	88	79	ENE	15	4	1.0	6	Cu	20				2	Ci	
	1400		B/S	12		08.5	85	77	ENE	18	8	2.0	5	Cu	20	6	As	110	2	Ci	
	1700	E20	O/B	8		08.8	82	75	ENE	4	5	0.3	7	Cn	20	4	As	110			
	2000		B/S	12		09.1	81	74	ENE	10	1	0.3	2	Cu	20	5	Ac	120	2	Ci	AS 120
	2300		S/S	15		10.2	80	73	E	14	1	1.1	2	Cu	20	3	Ac	120			
MAJURO	0900		S/S	12		09.3	79	76	NE	3	6	0.1	3	Cu	15	1	As				
	1100		S/S	12		10.2	82	77	E	14	2	0.5	2	St	15	3	Ac				
	1700		S/S	12		08.3	82	78	NE	12	6	0.2	3	Cu	15	2	As				
	2300		S/S	12		10.8	79	78	NE	3	3	0.1	4	St	15	1	As				
TARAWA	0000		S	10		09.1	80	75	Calm		3	0.0	1	Cu	35						
	0300		S/	10		09.5	77	76	Calm		9	0.4				3	Ac	100			
	0600		B/	10		08.5	79	76	SW	6	8	1.0				6	Ac	100			
	0900		S/S	10		10.5	83	77	SSW	8	3	2.0	3	Cu	35	1	Ac	120			
	1200		S/S	10		09.8	85	79	SSW	9	1	0.7	1	Cu	25	1	Ac	120			
	1500		S/S	10		07.8	86	78	SSW	8	8	2.0	3	Cu	35	1	As	140			
	1800		B	10		08.1	80	78	SW	7	4	0.3	6	Cu	25						
	2100		S	10		09.8	81	79	SW	7	3	1.7	2	Cu	25						
WAKE	0200	E80	B	6	RW	12.9	76	72	SSE	5	8	0.6	6	Sc	80						RW - B 0030 E 0150
	0500		S	12		12.5	81	74	S	11	6	0.4	4	Cu	20						
	0800		B/S	12		12.9	84	76	SSE	16	2	0.4	3	Cu	20				6	Ci	
	1100		B/S	12		12.9	85	75	S	12	0	0.0	3	Cu	20				7	Ci	
	1400		B/S	12		12.5	85	74	SSW	11	6	0.4	3	Sc	30				7	Cs	
	1700		O/S	12		12.2	84	74	S	7	5	0.3	3	Cu	20				10	Cs	
	2000		S/S	12		13.5	82	75	S	7	1	1.3	2	Cu	20				5	Cs	
	2300		S/S	12		14.2	82	75	S	10	1	0.7	2	Cu	20				2	Cs	
BIRD DOG 3	0300		S/S	12		12.4	81	77	E	17	8	1.2	2	Cu	20	2	As	120			
	0600		S	12		12.7	82	76	E	20	3	0.3	3	Cu	20						
	0900		S	12		13.5	82	77	E	20	4	1.2	5	Cu	20						
	1200		S	12		14.3	84	81	E	19	3	0.8	5	Cu	20						
	1500	E20	B	12		12.2	85	78	ENE	18	6	2.1	8	Cu	20						
	1800		S	12		12.2	84	76	E	19	4	0.0	4	Cu	20						
	2100		S	12		13.9	81	78	E	18	1	1.7	3	Cu	20						
	2400		S	12		13.9	81	78	E	19	3	0.0	3	Cu	20						
BIRD DOG 4	0100		S	20		11.5	81	76	ESE	11	8	0.9	2	Cu	15						
	0400		S/S	20		10.5	81	76	ESE	8	5	1.0	2	Cu	15	2	As	150			
	0700		B/S	18		12.2	82	75	ESE	10	3	1.7	3	Cu	15	6	As	150			
	1000	E15	O	15		13.0	84	77	ESE	8	3	0.8	10	Cu	15						RW - B 1015 E 1026
	1300	E15	O	10		11.8	82	76	ESE	12	8	1.2	9	Sc	15						
	1600		B/S	14		10.8	85	77	ESE	12	8	1.0	1	Cu	15	5	As	150	4	Cs	PRECIP IN SIGHT
	1900		B/S	20		12.1	84	76	ESE	11	3	1.3	2	Cu	15	5	As	150	1	Ci	
	2200		B/S	15		12.0	82	75	ESE	12	0	0.1	1	Sc	15	4	As	150	3	Cs	

SURFACE OBSERVATIONS — 4 JULY — 1946

STATION	TIME (LOCAL)	CEILING (UNLESS GIVEN IN FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	PAST 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000		8	15		10.3	81	74	ENE	6	8	1.3	2	Cu	15						
	0300		8/8	15		09.9	80	76	NE	4	5	0.4	2	Cu	15	3	As	100			RV - R0340 R0355
	0600		8/8	15		11.4	83	73	E	12	5	1.3	3	Cu	15				4	Cl	
	0900	W15	8/8	12		10.9	82	76	E	23	9	0.5	7	Cu	15				3	Cu	RV To E AND V
	1200	W20	8/8	15		09.7	87	73	E	15	8	1.2	2	Cu	15	6	As	80			RV - R 1111 R 1124
	1500	W20	8/8	15		09.6	84	74	ENE	12	7	0.1	3	Cu	15	4	As	80	2	Cu	
	2000		8/8	15		11.4	84	76	E	10	2	1.8	1	Cu					2	Cu	
	2302		8/8	15		11.0	83	75	ENE	11	7	0.4	2	Cu					2	Cu	
ENIWETOK	0000		8	15		10.2	82	77	ENE	9	6	1.8	4	Cu	18						
	0300		8/8	20		08.7	80	77	E	9	6	1.5	4	Cu	18	2	As	100			RV- R 0302 R 0310
	0600	W18	8/8	30		10.6	82	77	ENE	8	3	1.9	6	Cu	18	2	As	100	2	Cu	RV- R 0845 R 0902
	1100	W18	8/8	12		10.8	82	78	E	8	0	0.2	7	Cu	18	2	As	100			RV- R 1005 R 1010
	1400		8/8	12		09.4	84	77	E	7	8	1.4	2	Cu	18	8	As	100			
	1700		8/8	15		08.3	84	77	E	6	9	1.1	2	Cu	18	10	As	100			
	2000		8/8	12		09.7	81	75	ENE	7	3	1.4	3	Cu	18	7	As	100			
	2300		8/8	12		10.3	81	75	ENE	8	2	0.8	3	Cu	18	3	As	100			
KWAJALEIN	0000		8/8	15		09.1	80	77	ENE	13	8	0.4	3	Cu	20	2	As	120			AS 120
	0300		8/8	15		08.1	81	77	ENE	13	8	1.0	3	Cu	20	2	As	120			AS 120
	0600	W20	8/8	12	RW-	09.1	81	74	NE	15	4	1.0	8	Cu	20	1	As	120	1	Cl	
	1100	W20	8	8	RW-	09.5	84	79	ENE	10	6	0.4	10	Cu	20						
	1400		8/8	12		06.8	89	77	ENE	12	6	2.7	5	Cu	20	2	As	120	1	Cl	
	1700		8/8	15		07.1	88	79	NE	14	6	0.3	2	Cu	20	1	As	120	1	Cl	
	2000		8/8	15		08.8	87	75	ENE	8	5	1.7	2	Cu	20	6	As	120	1	Cl	
	2300		8/8	15		08.8	80	76	NE	8	1	0.0	3	Cu	20	3	As	120	1	Cl	
MAJURO	0300		8/8	12		08.9	77	76	NE	12	4	0.1	3	St	15	3	As				
	1100		8/8	12		09.8	82	78	NE	3	0	0.5	4	Cu	15	6	As				
	1700		8/8	6	R	08.0	89	76	NE	12	8	0.1	2	St	15	8	As				
	2300	W10	8/8	6		08.7	79	77	NE	12	6	0.1	6	St	10	4	As				
TARAWA	0000		8/8	10		09.8	80	79	Calm		3	0.0	4	Cu	25	2	As	140	2	Cu	
	0300	W20	0	10		10.2	76		NNW	4	6	0.4				10	As	80			
	0600	W15	0	10		09.3	77	75	SSW	3	4	0.7				10	As	75			
	0900	W10		10	R	10.3	77	75	Calm		2	1.0				10	As	70			
	1200		8/8	10		10.2	83	75	SW	6	6	0.3	4	Cu	25	5	As	120			
	1500		0/8	10		08.8	78	75	SW	14	9	1.4	3	Cu	20	7	As	100			
	1800		8/8	10		07.1	80	76	WSW	10	6	1.7	2	Cu	20	3	As	120			
	2100		8	10		09.8	80	75	SW	11	3	2.7	3	Cu	20						
WAKE	0000		8	12		12.2	81	74	S	11	8	2.0	3	Cu	20						
	0300		8/8	12		12.2	80	73	S	9	3	0.0	4	Cu	20	2	As	150			
	0600		0/8	12		13.2	84	74	SSE	10	3	1.0	2	Cu	20	1	As	150	10	Cu	
	1100		8/8	12		12.9	85	74	S	10	6	0.3	4	Cu	20				7	Cu	
	1400		0/8	12		12.2	86	74	SSW	10	6	0.7	1	Cu	20				10	Cu	
	1700		0/8	12		11.5	85	74	S	10	8	0.7	2	Cu	20				10	Cu	RV- R1825
	2000		0/8	12		12.8	82	73	S	6	3	1.3	4	Cu	20				10	Cu	
	2300		8/8	12		12.9	80	72	S	3	0	0.1	4	Cu	20				8	Cu	
BIRD DOG 3	0300		8	12		11.5	81	78	E	20	8	2.1	4	Cu	20						
	0600		8/8	12		13.1	80	76	E	16	3	1.6	2	Cu	20	2	As	120			
	0900		8/8	12		13.6	82	73	E	20	1	0.5	4	Cu	20				1	Cl	
	1200		8/8	12		13.1	81	73	E	14	6	0.5	1	Cu	20	2	As	120	7	Cu	
	1500		8/8	12		11.3	82	77	ENE	20	9	1.8	3	Cu	20	4	As	120			
	1800	W20	8	12		11.8	80	76	E	20	3	0.5	7	Cu	20						
	2100		8	12		14.3	80	73	E	21	3	2.7	3	Cu	20						
	2400		8	12		13.3	80	73	E	19	8	1.2	1	Cu	20						
BIRD DOG 4	0100		8/8	15		11.9	82	73	ESE	9	0	0.3	3	Cu	15		As	150	1	Cl	
	0400		8/8	15		10.8	82	73	ESE	4	8	1.1	3	Cu	15				2	Cl	
	0700		8/8	15		11.7	84	76	ESE	6	3	0.9	3	Cu	15	5	As	150			
	1000		8/8	15		12.3	87	76	ESE	4	0	0.6	2	Cu	15				6	Cu	RV- R1015 R1026
	1300		8/8	15		11.1	88	76	ESE	4	8	1.2	3	Cu	15				3	Cl	
	1600		8/8	15		10.8	88	74	ESE	3	0	0.3	3	Cu	15	3	As	150	2	Cl	PRECIP IN SIGHT 1200
	1900		8/8	15		11.7	84	74	Calm		3	.09	3	Cu	15	3	As	150	1	Cl	PRECIP IN SIGHT 1600
	2200		8/8	15		11.3	84	74	ESE	16	4	0.6	4	Cu	15	3	As	150	3	Cl	

SURFACE OBSERVATIONS — 5 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/S	15		09.4	82	74	ENE	12	7	1.4	5	Cu	15				2	Cs	
	0500		S/S	15		09.1	82	77	NE	17	6	0.3	5	Cu	15	2	Ac	120	5	Cs	
	0800	R15	S/S	15		11.0	84	76	ENE	17	3	1.9	6	Cu	15				3	Cs	
	1100		S/S	15		10.5	85	75	ENE	19	9	0.5	2	Cu	15				2	Ci	
	1400		S/S	15		09.5	84	76	E	20	8	1.0	2	Cu	15				1	Ci	
	1700		B/S	15		09.4	84	76	ENE	18	7	0.1	1	Cu	15				7	Ci	
	2000		S/S	15		11.2	82	74	ENE	18	3	1.8	3	Cu	15				4	Ci	
	2300	L13	S/S	15		10.6	82	75	NE	18	9	0.6	6	Cu	15				2	Ci	
ENIWETOK	0200		S/	25		09.7	80	74	ENE	7	8	0.8	5	Cu	18						
	0500		S/	25		08.5	80	74	ENE	8	6	1.2	4	Cu	18						
	0800		S/S	25		09.6	82	75	ENE	9	3	1.1	1	Cu	18	2	As	100	5	Cs	
	1100		S/S	30		10.0	87	75	ENE	9	2	0.4	5	Cu	18	-	-	-	3	Cs	
	1400		B/S	30		09.1	86	75	E	6	8	0.9	2	Cu	18	-	-	-	6	Cs	
	1700		B/S	30		08.6	83	74	SE	8	9	0.5	2	Cu	18	7	Ac	100			RW - B 1715 A 1734
	2000		B/S	15		09.7	80	74	E	6	3	1.1	2	Cu	18	6	Ac	100			
	2300		S/S	15		09.9	80	76	NE	8	3	0.2	1	Cu	18	3	As	100			
KWAJALEIN	0200		B/S	12		08.1	80	76	ENE	14	9	0.2	4	Cu	20	3	As	120	2	Ci	
	0500		B/S	12		07.5	80	76	ENE	11	5	0.4	4	Cu	20	3	As	120			
	0800		B/S	12		08.1	84	77	ENE	15	-	0.6	5	Cu	20	3	As	120	1	Ci	
	1100		B/S	12		10.5	89	77	E	20	-	2.4	3	Cu	20	8	As	120			
	1400	R20	O/S	12		09.1	82	77	SSE	10	8	1.4	7	Cu	20	10	As	120			
	1700		O/S	12		09.1	80	73	WSW	17	5	0.0	2	Cu	20	10	As	120			
	2000		O/S	12		10.5	80	73	WNW	14	3	1.4	3	Cu	20	10	As	120			As 120
	2300		O/S	12		08.5	81	74	WNW	7	1	2.0	5	Cu	20	10	Ac	120			
MAJURO	0500																				
	1100		S/S	6		09.9	78	75	NW	25	0	0.1	5	St	15	2	As				
	1700		S/S	12		08.7	79	76	W	14	6	0.0	5	St	15	2	As				
	2300		S/S	12		10.2	82	77	NW	14	2	0.2	3	St	15	4	As				
TARAWA	0000	R20	B/R	10		09.8	80	77	SW	9	4	0.0	6	Cu	20	3	Ac	160			
	0300		S	10		08.5	79	74	NW	3	0	1.3	3	Cu	25						
	0600		S	10		08.8	78	75	WSW	10	5	0.3	3	Cu	25						
	0900		O/S	10		09.5	80	71	NW	5	2	0.7	5	Cu	25	10	As	120			
	1200		O/S	10		10.2	82	74	NW	5	8	0.7	3	Cu	25	10	As	120			
	1500		O/S	10	R-	08.1	77	75	SW	9	9	2.3	3	Cu	20	7	As	100			
	1800		O/S	10		08.8	80	75	SW	4	4	0.7	3	Cu	20	4	As	140			
	2100		B/	10		10.2	78	75	W	10	3	1.4				6	Ac	100			
WAKE	0200		S	12		12.2	80	74	SSE	2	8	0.7	2	Cu	20						
	0500		S/S	12		11.5	80	76	SSW	8	8	0.7	2	Cu	20				3	Cs	
	0800		B/S	12		12.9	81	75	SE	9	1	1.4	2	Cu	20	1	As	130	5	Cs	
	1100		S/S	12		12.9	84	76	SSE	9	0	0.0	3	Sc	80	4	As	130	2	Cs	800
	1400		O/S	12		11.2	85	77	SSW	2	8	1.7	2	Cu	20	4	As	130	6	Cs	
	1700		O/S	12		11.5	85	75	SE	5	1	0.3	3	Cu	20	3	As	130	8	Cs	RW - B1755 A 1758
	2000		O/S	12		12.9	81	75	SSW	7	3	1.4	4	Cu	20				10	Cs	RW - B2210 A 2225
	2300		S/S	12		12.5	81	75	SSE	8	9	0.4	2	Cu	20				8	Cs	
BIRD DOG 3	0300		S	12		12.5	80	74	E	14	8	0.8	1	Cu	20						
	0600		S	12		13.5	80	73	E	14	3	0.8	3	Cu	20						
	0900		S/S	12		14.5	83	75	ENE	21	3	1.2	4	Cu	20	3	As	120			
	1200		S/S	12		13.7	83	79	ENE	21	8	0.8	4	Cu	20	3	As	120			
	1500		S/S	12		12.4	84	76	E	21	8	1.3	4	Cu	20				5	Cs	
	1800		S	12		13.0	82	75	E	17	3	0.6	3	Cu	20						
	2100		S	12		14.8	80	75	E	17	3	1.8	3	Cu	20						
	2400		S	12		14.3	80	73	E	11	9	0.3	2	Cu	20						
BIRD DOG 4	0100		S/S	8		10.6	83	75	ESE	6	8	0.3	4	St	10				3	Ci	
	0400		S/S	10		10.2	83	75	ESE	2	8	0.4	2	Cu	15				1	Ci	
	0700		B/S	10		10.7	84	74	Calm		3	0.3	3	Cu	15	7	As	150			
	1000		S/S	10		11.5	86	76	Calm		3	0.8	5	Cu	15	5	As	150			RW B1225 A 1235
	1300	R15	S/R	12		10.2	85	75	E	5	8	1.3	6	Cu	15	2	As	150			
	1600		S/S	15		10.2	83	75	ESE	6	0	0.0	4	Cu	15	3	As	150	2	Ci	PRECIP IN SIGHT 1800
	1900		S/S	15		11.0	82	75	ESE	4	3	0.8	5	Cu	15	2	As	150	1	Ci	
	2200		S/S	15		12.0	83	75	SE	5	0	1.0	2	Cu	15	3	As	150	1	Ci	

SURFACE OBSERVATIONS

6 JULY

1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BROWN	0800	M15	s/s	10	HW-	09.0	81	74	NE	18	7	1.0	6	Cu	15				2	Ci	HW- B 0040 E 0200
	0900	M15	s/s	15		09.0	80	73	E	16	7	0.0	7	Cu	15				2	Ci	HW- B 0340 E 0400
	0800		s/s	15		09.8	82	72	E	19	2	0.8	3	Cu	15				6	Ci	
	1100		s/s	15		09.0	86	76	E	16	8	0.8	3	Cu	15				4	Cs	
	1300		s/s	15		08.0	88	77	ENE	16	8	1.0	4	Cu	15				2	Cs	
	1700		s/s	15		08.6	86	79	ENE	16	4	0.6	4	Cu	15				1	Cs	HW To SE
	2000		s	15		09.5	82	72	E	19	3	0.9	2	Cu	15						HW- B 1915 E 1920
	2300		s	15		09.9	82	77	E	18	1	0.4	4	Cu	15						
ENIWETOK	0800		s	30		08.6	80	76	NE	7	8	1.3	2	Cu	18						
	0900		s/s	30		07.7	80	75	NE	8	8	0.9	3	Cu	18	2	As	100			
	0800	M18	s/s	30		09.6	83	76	ENE	7	3	1.9	6	Cu	18	-	-	-	4	Ci	
	1100		s/s	30		09.7	86	76	E	9	0	0.1	4	Cu	18	3	As	100	1	Ci	HW- B 1137 E 1216
	1400	M18	s/s	30		08.7	87	78	E	10	6	1.0	6	Cu	18	3	As	100			HW- B 1714 E 1717
	1700		s/s	25		08.2	85	75	E	10	6	0.5	4	Cu	18	-	-	-	2	Cs	HW- B 1720 E 1801
	2000	M16	0	4		09.9	76	72	E	10	3	1.7	10	Sc	16						HW- B 1815 E 1823
	2300		s	10		09.8	82	77	E	10	9	0.1	4	Cu	18						
KWAJALEIN	0800		s/s	12		07.5	80	76	NW	8	3	0.4	3	Cu	20	4	As	120	2	Ci	
	0900		s/s	12		07.5	79	73	NE	5	6	0.0	3	Cu	20	3	As	120	2	Ci	
	0800	M20	o/s	12		08.5	82	74	ENE	3	3	1.0	8	Cu	20	1	As	120	9	Cs	
	1100		s/s	12		09.1	85	75	S	3	4	0.6	4	Cu	20	4	As	120			
	1400	M20	s/s	12		07.5	87	76	S	5	8	1.6	6	Cu	20	3	As	120			
	1700		s/s	12		05.4	85	77	SSE	11	5	2.1	3	Cu	20	4	As	120			
	2000		s/s	12		06.8	82	75	SSE	17	3	1.4	3	Cu	20	4	As	120	1	Ci	
	2300		s/s	12		09.1	81	74	SSE	8	1	2.3	1	Cu	20	1	As	120	1	Ci	
MAJURO	0900	M10	s	2	F	08.8	77	76	W	12	3	0.1	8	St	10						
	1100		s/s	12	s	11.2	80	77	NE	3	9	0.1	3	St	15	7	As				
	1700		s/s	6	s	09.0	77	74	SE	12	6	0.6	4	St	10	6	As				
	2300		s/s	12		08.9	81	77	W	12	8	0.2	3	St	15	1	As				
TARAWA	0000		s/s	10		10.5	78	71	SSW	9	9	0.3	2	Cu	25				1	Ci	
	0300		s	10		09.1	78	74	WSW	6	8	1.4	2	Cu	25						
	0600		s	10		08.5	77	74	Calm		8	0.6	3	Cu	20						
	0900		s/s	10		10.8	81	72	Calm		5	2.5	2	Cu	25	1	As	110	2	Cs	
	1200		s/s	10		09.1	85	75	Calm		0	1.7	5	Cu	25				3	Cs	
	1500		s/s	10		13.2	87	68	E	3	8	4.1	2	Cu	25				4	Cs	
	1800		s/s	10		08.8	83	77	E	7	6	4.4	4	Cu	25				3	Cs	
	2100	M25	s/s	10		13.2	80	77	E	3	3	4.4	6	Cu	25				3	Cs	
WAKE	0000		s/s	12		12.5	81	75	S	7	3	0.0	2	Cu	20				3	Cs	
	0300		s/s	12		12.2	80	74	S	2	8	0.3	3	Cu	20				3	Cs	
	0600		s/s	12		13.9	83	75	SE	5	3	1.7	4	Cu	20	7	Ac	230			
	1100		s/s	12		13.5	85	75	SSE	9	9	0.4	4	Cu	20	9	Ac	230			
	1400		s/s	12		12.9	88	73	SSE	6	8	0.6	2	Cu	20	8	Ac	240			
	1700		s/s	12		13.2	84	73	ESE	6	2	0.3	2	Cu	20	7	Ac	240			
	2000		s/s	12		13.9	82	73	ESE	8	1	0.7	2	Cu	20	6	Ac	240			
	2300		s/s	12		14.2	81	74	ESE	9	1	0.3	1	Cu	20	4	Ac	240			
BIRD DOG 3	0300		s	12		13.3	81	75	E	16	8	1.0	3	Cu	20						
	0600	M20	s	12		14.0	80	76	E	16	4	0.7	7	Cu	20						
	0900		s/s	12		15.2	83	75	E	18	3	1.2	2	Cu	20	1	As	120			
	1200		s/s	12		13.9	81	74	E	16	8	1.3	1	Cu	20	1	As	120			
	1500		s	12		12.8	85	75	E	20	8	1.1	4	Cu	20						
	1800		s	12		12.0	84	79	E	18	6	0.8	4	Cu	20						
	2100		s	12		14.5	80	75	E	20	3	2.5	4	Cu	20						
	2300		s	12		14.0	80	75	E	20	9	0.9	5	Cu	20						
BIRD DOG 4	0100		s/s	15		10.2	82	77	SE	5	8	1.8	2	Cu	15	4	As	150			
	0400		s/s	15		11.0	82	77	SE	5	2	0.8	2	Cu	15	5	As	150			
	0700		s/s	15		10.8	83	76	SSE	5	7	0.2	3	Cu	15	7	As	150			
	1000		s/s	15		10.9	90	78	SW	7	0	0.1	2	Cu	15	4	As	150	4	Cs	
	1300		s/s	15		09.8	88	78	SW	5	8	1.1	3	Cu	15	5	As	150	2	Ci	
	1600		s/s	15		09.1	85	75	Calm		6	0.7	2	Cu	15	3	As	150	4	Cs	
	1900		s/s	15		10.4	83	75	NE	11	3	1.3	2	Cu	15	6	As	150	2	Cs	
	2200		s/s	15		11.3	80	68	ENE	12	3	0.5	3	Cu	15	3	As	150	2	Cs	

SURFACE OBSERVATIONS

7 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 IS SUBTRACTED)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY & AMT. PAST CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800	K12	B	8		09.3	80	76	ENE	18	9	0.6	7	Cu	12						LYNG OVHD AND TO NW
	0500	K12	0	5	RW	09.2	78	77	SE	12	5	0.1	10	Cu	12						RW B 0500 E0700
	0800	K10	0	12		10.6	82	75	ENE	19	3	1.4	9	Cu	10						RW TO S
	1100		S/B	15		10.5	84	73	ENE	19	9	0.1	1	Cu	15				5	Cs	RW E2340 E0000
	1400		S/B	15		09.5	84	73	ENE	17	8	1.2	4	Cu	20				5	Cs	
	1700		S/B	15		09.0	86	75	ENE	14	7	0.5	1	Cu	20				7	Cs	
	2000		S/B	15		10.5	83	73	ENE	16	5	1.5	2	Cu	15				5	Cs	
	2300		S/B	15		11.5	81	74	ENE	14	8	1.0	2	Cu	15				5	Cs	
ENIWETOK	0800		S/B	15		08.5	81	75	E	10	8	1.5	5	Cu	18	4	As	100			RW- B 1630 E 1636
	0500		S/B	20		07.8	81	75	ENE	14	8	0.7	3	Cu	18	2	As	100			RW- B 1745 E 1750
	0800		S/B	20		09.1	83	73	ENE	10	5	1.3	2	Cu	18	2	As	100	7	Ci	RW- B 1900 E 1915
	1100	K18	S/B	30		08.6	86	77	ENE	15	8	0.5	6	Cu	18	1	As	100			RW- B 7945 E 1950
	1400	K18	B	30		07.2	86	76	ENE	12	8	1.4	7	Cu	18						RW- B 7110 E 2112
	1700		S/B	30		06.5	85	77	E	18	5	0.9	4	Cu	18	-	-	-	2	Cs	RW- B 2130 E 2132
	2000	K16	B	6		08.2	82	78	ENE	17	5	1.9	7	Sc	16						
	2300		S	12		08.4	82	78	ENE	15	1	0.2	5	Cu	18						
KWAJALEIN	0800		O/S	12	RW-	07.5	80	76	ESE	5	8	0.4	4	Cu	20	10	As	120			
	0500		S/B	12		07.5	80	76	ENE	5	5	0.0	3	Cu	20	2	As	120			
	0800		S/B	12		08.1	84	76	SE	5	1	0.6	2	Cu	20	4	As	120	1	Ci	
	1100		S/B	12		08.5	87	76	ENE	8	2	0.4	1	Cu	20				5	Ci	
	1400		S/B	12		06.1	89	78	ENE	8	7	2.4	3	Cu	20				5	Ci	
	1700		S/B	12		07.1	87	75	E	8	6	1.0	3	Cu	20				4	Ci	
	2000		S/B	12		08.5	82	75	ENE	7	1	1.4	3	Cu	20				2	Ci	
	2300		S/B	12		08.8	81	75	E	8	3	0.3	2	Cu	20				2	Ci	
MAJURO	0130		S/B	8	R-	09.1	79	77	ENE	2	8	0.2	5	Sc	20	1	As				
	0430		S/B	8		08.4	78	77	NW	1	5	0.9	5	Sc	18	1	As				
	0730		S/B	12		09.5	80	76	ENE	4	2	1.1	4	Cu	20	1	As				
	1030		S	12		09.6	84	79	NE	6	0	0.1	5	Cu	20						
	1330		S	12		07.8	86	81	ENE	7	8	1.8	4	Cu	20						
	1630		S	12		07.2	85	79	E	8	5	0.6	3	Cu	20						
	1930		S	12		08.9	81	76	E	6	2	1.7	5	Cu	20						
	2230		S	12		09.7	80	77	E	8	9	0.8	4	Cu	20						
TARAWA	0000		S/B	10		10.2	81	77	E	8	5	1.4	5	Cu	25				1	Cs	
	0300		S	10		08.5	80	75	E	8	8	1.7	5	Cu	20						
	0600		S	10		09.1	80	79	E	3	4	0.6	2	Cu	20						
	0900		B/S	10		09.1	83	76	E	5	5	0.0	3	Cu	25				5	Cs	
	1200		B/S	10		09.1	86	77	ENE	6	9	0.0	3	Cu	25				5	Cs	
	1500		B/S	10		07.1	84	76	ENE	7	8	2.0	4	Cu	25				5	Cs	
	1800		B/S	10		07.1	84	76	E	5	4	0.0	3	Cu	25				4	Ci	
	2100		B/S	10		09.1	81	76	E	7	3	2.0	4	Cu	25				4	Ci	
WAKE	0300		S/B	12		12.9	81	73	ENE	8	8	1.0	5	Cu	20	3	As	240			
	0500		S/B	12		13.9	81	73	ENE	12	8	0.0	1	Cu	20	4	As	240			
	0800		S	12		13.5	83	75	ENE	12	5	0.6	4	Cu	20						
	1100		S/B	12		13.5	86	76	ENE	10	5	0.0	3	Cu	20	3	As	140			
	1400		S/B	12		12.9	86	75	ENE	9	8	0.6	2	Cu	20	4	As	140			
	1700		S	12		12.2	86	74	E	9	6	0.7	2	Cu	20						
	2000		S	12		13.5	82	75	E	8	5	1.5	2	Cu	20						RW E2100 E2125
	2300	K20	B	12		14.2	80	76	E	8	8	0.7	6	Cu	20						RW E2315 E2325
BIRD DOG 3	0300		S	12		11.8	80	75	ENE	19	8	2.2	4	Cu	20						
	0600		S	12		12.8	80	77	E	19	5	1.0	5	Cu	20						
	0900		S	12		13.8	85	76	E	21	5	1.0	4	Cu	20						
	1200		S/B	12		12.8	82	78	E	22	9	1.0	5	Cu	20	2	As	120			
	1500		S/B	12		10.8	82	74	E	23	8	2.0	3	Cu	20	1	As	120			
	1800		S	12		12.1	85	73	E	23	5	1.5	5	Cu	20						
	2100		S	12		13.4	80	76	E	24	5	1.5	4	Cu	20						
	2400		S	12		12.6	80	76	E	19	8	0.8	5	Cu	20						
BIRD DOG 4	0100		S/B	15		10.2	82	77	ENE	4	8	1.4	5	Cu	15	2	As	150	2	Ci	
	0400		S/B	15		10.0	82	75	SE	2	6	0.2	2	Cu	15	2	As	150	2	Ci	
	0700		S/B	15		10.5	83	73	SE	8	5	0.5	5	Cu	15	2	As	150	2	Ci	RW E093 E0945
	1000		S/B	15		10.5	83	78	ENE	8	0	0.2	5	Cu	15	2	As	150	2	Ci	
	1300		S/B	18		09.2	83	73	ENE	11	9	1.1	2	Cu	15	2	As	150	3	Ci	
	1600		S/B	18		08.5	83	73	ENE	10	8	0.7	1	Cu	15	1	As	150	3	Ci	
	1900		S/B	20		09.6	84	77	ENE	11	5	1.1	2	Cu	15	1	As	150	1	Ci	
	2200		S/B	20		10.6	84	77	ENE	9	5	1.0	4	Cu	15	3	As	150			

SURFACE OBSERVATIONS

6 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800	M15	B/B	10		09.7	80	76	NE	14	8	1.8	6	Cu	15	2	Ac				RW B0000 M0111
	0900		B/S	12		09.4	81	77	NE	16	5	0.3	4	Cu	15	5	Ac	12			
	0800	M15	B/B	10	RW-	10.5	82	75	ENE	17	2	1.1	6	Cu	15				2	Cs	RW B0800 M0900
	1100	M15	B/B	15		10.0	85	75	ENE	21	7	0.5	6	Cu	15				½	Cs	
	1400	M15	0	15		08.9	84	75	ENE	17	8	1.1	9	Cu	15						RW TO E AND S
	1700		S/S	15		08.8	84	77	ENE	19	5	0.1	4	Cu	15	2	Ac	100	2	Ci	
	2000		S/S	15		10.7	85	76	ENE	17	3	1.9	2	Cu	15	5	Ac	100	1	Ci	
	2300		S/S	15		10.8	82	76	ENE	19	0	0.1	3	Cu	15	2	Ac	100	3	Ci	
ENIWETOK	0200	M16	B	20		07.6	81	76	ESE	10	8	0.8	6	Cu	18						RW- B2310 E2326 RW- B0105 E0115
	0500	M07	B	6		07.2	78	76	E	12	9	0.4	8	Cu	07						RW- B0400 E0421 RW- B0640 E0710
	0800	M18	O/B	6	RW	08.7	81	78	E	9	1	1.5	8	Cu	18	10	As	100			RW B0735 E0800 TRW B0845 E0905
	1100		B/S	8		09.0	78	75	E	10	0	0.3	5	Cu	15	9	As	100			RW B0930 E0955 RW B2034 E2045
	1400		B/B	18		07.8	82	78	E	10	8	1.2	5	Cu	18	8	As	100			RW B2145 E2150 RW B2205 E2230
	1700		B/S	20		09.1	82	76	E	10	4	1.3	3	Cu	18	5	As	100	1	Ci	
	2000		B/S	15		08.9	82	77	E	12	4	0.2	5	Cu	18	5	As	100			
	2300	M16	O	6		10.4	79	76	E	6	4	1.5	10	Sc	16						
KWAJALEIN	0200		B/S	8	RW-	07.5	79	75	E	4	9	0.4	5	Cu	20				6	Ci	
	0500		B/S	12		07.5	87	75	E	7	5	0.0	3	Cu	20				6	Ci	
	0800		S/S	12		08.8	84	71	ENE	5	3	1.3		Cu	20	4	As	120			
	1100		B/S	12		09.1	86	77	ENE	10	4	0.3	5	Cu	20	1	As	120			
	1400		B/S	12		07.5	84	75	N	10	8	1.6	5	Cu	20	1	As	120			
	1700	M20	B/B	12	RW-	07.1	83	76	ENE	7	5	0.4	6	Cu	20	8	As	120	1	Ci	
	2000	M20	O/B	7		07.8	80	75	ENE	4	3	0.7	8	Cu	20	10	As	120			
	2300	M20	O/B	12		08.8	80	76	NE	9	1	1.0	7	Cu	20	10	As	120			
MAJURO	0130		S/S	12		07.3	79	75	ENE	6	8	1.4	3	Cu	20	2	As				
	0430		S/S	12		07.1	78	76	ENE	5	6	0.2	1	Cu	20	4	As				
	0730		S/S	12		08.7	81	77	ENE	3	2	1.6	3	Cu	20	2	As				
	1030		S/S	12		08.5	85	78	W	4	9	0.2	4	Cu	20	4	As				
	1330		S/S	12		07.0	86	77	SW	5	7	1.5	5	Cu	20	3	As				
	1630	M20	O	5	R-	07.1	77	76	W	10	3	0.1	10	Sc	10						INTMT R- RINOVC
	1930	M18	S/B	10		09.4	78	74	NE	3	2	2.3	6	Sc	18	2	As				
	2230		S/S	10		09.8	78	75	E	5	2	0.4	3	Cu	20	4	As/Ac				
TARAWA	0000	M25	O/B	10		08.5	80	78	E	10	8	0.7	6	Cu	25				10	Ci	
	0300		B/B	10		10.4	80	75	Calm		6	1.9	2	Cu	25				6	Ci	
	0600		B/S	10		08.5	74	74	NE	9	5	1.9	2	Cb	20				6	Ci	
	0900	M20	O	10		10.5	78	76	Calm		2	2.0	10	Cb	20						
	1200	M20	B/B	10		09.8	79	78	E	2	9	0.7	6	Cb		3	As	120			
	1500		O/B	10		06.4	81	78	NE	8	7	1.4	3	Cu	20	7	As	110			
	1800		B/B	10		07.8	81	75	NE	5	4	1.4	2	Cu	20	4	As	130	2	Ci	
	2100		B/B	10		07.1	80	75	NW	3	9	0.7	2	Cu	20				9	Cs	
WAKE	0000		B	12		12.5	81	75	ENE	11	8	1.3	3	Cu	20						RW- B0054 E0125
	0300		B	12		12.9	80	74	E	10	4	0.4	3	Cu	20						
	0600		B/B	12		14.2	82	74	E	9	3	1.3	3	Cu	20	1	As	140			RW/ B0630 E0645
	1100		B	12		13.5	85	77	E	10	3	0.7	3	Cu	20						RW B1035 E1044
	1400	M20	B	12		12.9	86	76	E	9	8	0.6	6	Cu	20						
	1700		B/B	12		12.5	83	75	E	10	5	0.4	3	Cu	20	6	As	140			
	2000		B/B	12		14.2	82	74	E	10	2	1.7	1	Cu	20	2	As	140			
	2300		B/B	12		14.6	82	74	E	11	3	0.4	1	Cu	20	2	As	140			
BIRD ISL 3	0500		B/B	12		11.9	84	81	E	20	8	0.7	3	Cu	20	1	As	120			
	0800		B/B	12		12.4	80	74	ENE	19	3	0.5	3	Cu	20	6	As	120			
	0900		B/B	12		13.6	83	75	ENE	18	3	1.2	3	Cu	20	3	As	120	3	Cs	
	1200		B/B	12		12.2	82	73	E	20	8	1.4	3	Cu	20	1	As	120	2	Ci	
	1500		B/B	12		10.7	83	72	ENE	17	8	1.4	3	Cu	20	3	As	120			
	1800		B/B	12		10.9	82	78	ENE	20	3	0.2	3	Cu	20	1	As	120			
	2100		B	12		13.5	80	73	ENE	18	3	2.6	3	Cu	20						
	2400		B	12		13.4	80	73	ENE	17	8	0.1	4	Cu	20						
BIRD ISL 4	0100		B/B	18		09.7	83	76	ENE	9	8	0.9	3	Cu	15				2	Ci	
	0400		B	18		10.2	83	76	ENE	11	3	0.5	2	Cu	15						
	0700		B/B	18		10.2	84	76	ENE	12	0	0.0	3	Cu	15				3	Ci	
	1000		B	20		10.6	84	74	ENE	14	3	0.4	3	Cu	15						
	1300		B	20		09.9	88	77	ENE	20	8	1.6	3	Cu	15						
	1600		B/B	15		08.1	85	75	ENE	20	8	0.9	2	Sc	15	8	As	100			
	1900		B/B	15		09.4	82	77	ENE	18	3	1.3	4	Sc	20	3	As	100	1	Ci	
	2200		B/B	15		09.5	83	75	ENE	18	9	0.1	3	Cu	20	1	As	100	2	Ci	

SURFACE OBSERVATIONS

9 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		B/S	15		09.5	81	75	E	18	8	1.3	3	Sc	10				6	Cs	
	0900		B/S	15		09.9	81	74	E	16	4	0.4	2	Cu	15	1	Ac	120	6	Cs	
	0900		B/S	15		11.2	82	75	E	17	3	1.3	2	Cu	15	7	As	120	1	Cs	
	1100		B/S	15		10.6	86	75	E	16	9	0.4	2	Cu	15	1	As	150	7	Cs	
	1400		S/S	15		09.5	89	75	E	10	9	2.1	1	Cu	15	2	As	150	5	Cs	
	1700		S/S	15		09.4	86	75	ENE	12	9	0.1	4	Cu	10				3	Ci	
	2000		S/S	15		11.4	82	77	ENE	10	3	2.0	2	Cu	15	2	Ac	120			
	2300		S/S	15		11.3	82	75	ENE	12	1	0.1	2	Cu	15				1	Cs	
ENIWETOK	0200		B/S	20		08.8	81	75	E	10	8	1.6	5	Cu	15	7	As	100			RW B 1005 E 1025
	0500		S	20		08.8	81	75	E	18	8	0.6	4	Cu	18						RW B 1638 E 1650
	0800	K18	S/B	30		08.7	82	75	ENE	13	3	0.5	6	Cu	18	2	As	100			RW B 1900 E 1905
	1100	K18	S/B	20		09.1	78	77	E	14	1	0.4	6	Cu	18	1	As	100			RW B 2016 E 2018
	1400	K18	B	25		07.9	84	78	E	10	6	1.2	7	Cu	18						RW B 2117 E 2120
	1700	K18	S/B	20		07.1	84	78	E	18	6	0.8	8	Cu	18	-	-	-	2	Ci	
	2000	K16	O	10		09.2	79	77	ENE	15	3	1.9	10	Sc	16						
	2300		B/S	20		09.6	81	78	NE	17	1	0.4	3	Cu	18	6	As	100			
KWAJALEIN	0200		B/S	12		07.1	80	75	NE	12	9	0.4	4	Cu	20	7	Ac	120	2	Ci	AS 120
	0500		S/S	12		06.1	80	76	ENE	18	3	1.0	3	Cu	20	2	As	120	2	Ci	
	0800		B/S	12		07.3	83	76	E	13	4	1.4	4	Cu	20	7	Ac	120			AS 120
	1100	K20	B/B	12		08.6	85	77	ESE	17	4	1.3	6	Cu	20	7	Ac	120			AS 120
	1400		B/S	12		07.1	85	77	ENE	17	8	1.7	5	Cu	20	2	As	120			
	1700		B/S	12		07.1	84	75	E	15	8	0.0	3	Cu	20	6	Ac	120	1	Ci	AS 120
	2000		S/S	12		09.3	81	77	E	13	1	2.4	2	Cu	20	3	As	120			
	2300	K20	O/B	8	RW-	10.8	80	74	E	25	-	1.3	7	Cu	20	10	As	120			
MAJURO	0130		S/S	12		08.2	79	77	NE	5	8	1.6	5	Sc	20	3	As				
	0430		S/S	12		07.3	78	75	E	8	8	0.9	1	Cu	20	2	As				
	0730	K20	S/B	12		07.8	79	76	NE	6	3	0.3	6	Cu	60	2	AS				
	1030		B/S	12		09.6	84	78	SE	8	0	1.8	3	Cu	20	8	Auto	1	Cs		
	1330	K20	S/B	12	RW	07.8	81	79	SE	6	8	1.6	8	Cu	20	1	As	1	Cs		
	1630		S/S	10	R	07.6	81	77	E	18	3	0.2	4	Cu	20	3	As/Ac	2	Cs		
	1930	K18	S/B	6		09.3	78	76	E	6	3	1.9	7	Sc	18	3	As				
	2230		S/S	12		10.2	80	77	E	8	0	0.7	4	Sc	20	3	As				
TARAWA	0000		B/S	10		08.4	80	74	SW	3	3	2.7	2	Cu	20	8	As	120			
	0300		B/S	10		08.3	80	76	S	7	3	2.1	2	Cu	20	3	As	120	1	Cs	
	0600		B/S	10		08.3	79	76	SW	3	3	0.0	3	Cu	20				6	Ci	
	0900	K20	B/B	10		09.8	79	77	SSW	15	3	1.3	6	Cu	20	2	As	120			
	1200		B/S	10		10.2	84	81	NW	6	0	0.4	5	Cu	25				3	Cs	
	1500		B/S	10		07.8	84	78	ESE	5	8	2.4	2	Cu	25				5	Cs	
	1800		B/S	10		06.8	83	76	ESE	5	5	1.0	3	Cu	30				4	Cs	
	2100		S S	10		05.5	80	78	Calm		3	1.7	1	Cu	25	4	As				
WAKE	0800		S/S	12		13.2	81	74	E	10	8	1.4	2	Cu	20	2	Ac	140			
	0900		S	12		12.9	81	74	E	8	8	0.3	3	Cu	20						
	0900		S/S	12		13.9	84	76	E	10	0	1.0	4	Cu	20	1	As	140			RW - B 1000 E 1003
	1100		B/S	12		13.9	86	76	ENE	10	-	-	4	Cu	20	3	As	140	3	Cs	
	1400		B/S	12		12.9	85	74	ESE	6	-	-	3	Cu	20	4	Ac	140	2	Cs	RW - B 1551 E 1559
	1700	K20	S/B	12		12.9	84	76	E	10	-	-	5	Cu	30	2	Ac	140	1	Cs	
	2000		S/S	12		13.2	81	78	E	9	3	0.3	3	Cu	20	1	As	140	4	Cs	
	2300		S/S	12		13.3	80	75	ESE	10	3	0.3	3	Cu	20	1	As	140	3	Cs	
BIRD DOG 3	0300		S/S	12		11.[illegible]	80	76	NE	10	8	1.7	5	Cu	20	2	As	120			
	0600	K20	S/B	12	RW-	11.4	81	75	NE	14	8	0.3	7	Cu	20	3	As	120			
	0900	K20	S/B	12		12.3	81	77	ENE	21	3	1.1	7	Cu	20	2	As	120			
	1200		S/S	12		11.7	81	75	E	20	9	0.8	5	Cu	20	3	Ac	120			
	1500	K20	S/B	10		10.6	81	77	ENE	17	8	1.1	6	Cu	20	3	As	120			
	1800	K70	BS	12		11.7	82	77	ENE	22	3	1.1	3	Cu	20	7	As	70			
	2100	K20	B	12		13.3	80	75	ENE	19	3	1.6	1	Cu	20	5	As	70			
	2400	K20	B	12		13.3	80	75	E	18	3	0.2	2	Cu	20	6	As	70			
BIRD DOG 4	0100	K20	B	15		08.3	83	78	ENE	16	6	1.0	8	Cu	20						RW B 0238 E 0335
	0400	K20	B	10		07.8	82	77	ENE	20	8	0.7	7	Cu	20						
	0700		S/S	10		09.6	81	76	E	20	3	1.8	3	Sc	20	5	As	100			
	1000		S/S	10		10.3	84	78	E	16	1	0.8	5	Sc	30	5	As	100			
	1300		B/S	10		09.7	80	76	E	18	5	0.8	4	Cu	20	6	As	100			
	1600		B/S	10		08.7	82	77	ENE	15	8	1.0	4	Cu	20	6	As				
	1900		S/S	12		09.6	83	76	E	17	4	0.9	3	Cu	20	3	As	100			
	2200		B/S	12		10.3	83	75	NE	15	3	0.7	2	Cu	20	6	As	100			

SURFACE OBSERVATIONS — 10 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
EBON	0800		S/S	15		10.0	82	75	ENE	16	6	1.3	1	Cu	15				3	Cs	
	0900		S/S	15		09.5	81	74	E	12	7	0.5	2	Cu	15				3	Cs	
	0000		S/S	15		10.6	84	76	ENE	18	3	1.1	2	Cu	15				7	Cs	
	1100	A15	S/S	15		10.8	85	75	E	19	0	0.2	6	Cu	15				3	Cs	
	1400		S/S	15		08.9	84	75	E	16	3	1.9	3	Cu	15				4	Cs	
	1700		S/S	15		08.7	84	75	ENE	17	6	0.2	1	Cu	15	1	Ac	120	1	Cs	
	2000	A15	S/S	15	RW-	11.3	81	74	ENE	15	3	2.6	8	Cu	15				3	Cs	RW - B 1955 E 2010
	2300	A15	S/S	15		11.3	81	75	E	16	0	0.0	7	Sc	15				3	Cs	R - B 2045 E 2115
ENIWETOK	0800		S/S	20		08.3	81	77	E	15	8	1.3	5	Cu	18	8	As	100			RW B 2340 E 2355
	0500	A18	0	12		08.1	77	75	ESE	15	5	0.2	10	Sc	18						RW B 0322 E 0410
	0800		S/S	15		09.5	78	75	E	23	3	1.4	8	St	18	9	As	100			RW B 0610 E 0625
	1100		S/S	20		09.1	82	75	ESE	15	6	0.4	2	Cu	18	7	As	100	4	Cs	RW B 0820 E 0825
	1400		S/	25		07.8	83	76	ESE	10	6	1.3	-	-	-	4	Ac	100	7	Cs	RW B 1613 E 1618
	1700	A16	0	4		07.8	77	76	ESE	12	5	0.0	10	Sc	16						
	2000		S/S	20		08.7	81	77	ESE	10	3	0.9	2	Cu	18	7	Ac	100			
	2300		S/S	20		09.2	82	78	E	15	1	0.5	5	Cu	18	4	As	100			
KWAJALEIN	0200		S/S	12		09.1	80	74	E	13	9	0.1	9	Cu	20	7	Ac	120	2	Ci	
	0500		S/S	12		07.8	80	74	ENE	13	5	1.3	3	Cu	20	6	As	120	2	Ci	
	0800		S/S	12		08.3	82	76	ENE	16	1	0.7	3	Cu	20	3	Ac	120	1	Ci	AS 120
	1100		S/S	12		09.5	86	76	ESE	15	4	1.0	4	Cu	20	3	Ac	120			
	1400		S/S	12		07.5	86	75	SE	4	8	2.9	2	Cu	20	7	As	120			
	1700		S/S	12		07.5	88	76	E	4	6	0.0	3	Cu	20	6	Ac	120	2	Ci	
	2000	A20	S/S	12		09.1	86	72	SE	8	3	1.6	6	Cu	20	7	Ac	120	1	Ci	
	2300		S/S	15		10.2	80	74	ENE	7	1	1.1	1	Cu	20	1	As	120			
MAJURO	0130	A20	S/S	10		08.6	76	74	E	6	8	1.6	7	Cu	20	2	As				RW - B 0236 E 0247
	0430		S/S	10		07.9	77	74	Calm		6	0.7	2	Cu	20	3	As				RW - B 0326 E 0331
	0730	A20	S/S	8		09.5	80	76	N	6	3	1.6	6	Sc	20	2	As	Ac			RW B 0720 E 0734
	1030		S/S	12		09.1	83	77	ENE	4	9	0.4	2	Cu	20	3	As		2	Cs	RW B 1828 E 1839
	1330		S/S	12		07.6	87	77	NNE	2	8	1.5	2	Cu	20	3	As				RW B 1945 E 2000
	1630		S/S	12		06.9	84	76	N	2	5	0.7	3	Cu	20	4	As				
	1930	A20	S/S	10		09.0	79	75	NNE	10	3	2.1	8	Cu	20	1	As				
	2230		S/S	12		09.7	79	75	NNE	6	1	0.7	2	Cu	40	4	As		1	Cs	
TARAWA	0000		S	10		09.5	79	75	Calm		1	0.7	2	Cu	20						
	0300		S/S	10		07.5	79	76	ESE	4	8	2.0	2	Cu	20				3	Cs	
	0600		S	10		06.4	79	77	ENE	6	8	1.1	2	Cu	25						
	0900		S/S	10		09.8	81	79	Calm		1	3.4	3	Cu	25	2	As	140	1	Ci	
	1200		S/S	10		10.2	83	80	Calm		1	0.4	3	Cu	25	2	As	140	4	Cs	
	1500		S/S	10		07.1	86	82	S	1	8	3.1	1	Cu	25				8	Cs	
	1800		S/S	10		06.4	84	76	Calm		5	0.7	3	Cu	25				3	Cs	
	2100	A25	S	5	R-	09.8	82	78	Calm		3	3.4	7	Cb	25						
WAKE	0200		S/S	12		12.5	81	74	E	9	8	1.0	1	Cu	20	1	As	140	4	Ci	
	0500		S/S	12		12.2	80	76	SE	6	2	0.3	2	Cu	20	1	As	150			
	0800		S/S	12		13.5	84	71	SSE	5	3	1.3	3	Cu	20	2	As	150	9	Cs	R B 1030 E 1235
	1100	A30	0	10	R-	14.2	75	72	SSE	9	1	0.7	10	Sc	30						
	1400	A30	S/S	12		13.5	79	73	ENE	5	6	0.7	8	Sc	30	2	As	150			
	1700		S/S	12		11.5	81	74	SSE	5	8	2.0	2	Cu	20	6	As	150	1	Cs	
	2000		S/S	12		13.5	80	73	E	5	1	2.0	2	Cu	20	6	As	150	4	Cs	
	2300		S/S	12		13.5	81	74	ENE	11	1	0.0	3	Cu	20	2	As	150	6	Cs	
BIRD ISLAND 3	0100	A70	SE	12		11.7	79	77	E	12	8	1.3	1	Cu	20	6	As	70			
	0600		S/S	12		12.5	80	77	ENE	20	3	0.8	3	Cu	20	4	As	120	3	Ci	
	0900		S/S	12		13.4	83	76	ENE	21	3	0.8	1	Cu	20	5	As	120	4	Ci	
	1200	A20	S/S	10		13.0	79	76	E	16	9	0.4	7	Sc	20	3	As	120			
	1500		S/S	12		11.7	82	75	E	20	8	1.3	4	Cu	20	6	As	120			
	1800		S/S	12		12.2	82	75	E	20	3	0.5	3	Cu	20	4	As	120			
	2100		S/S	12		13.3	80	76	E	12	3	1.1	1	Cu	20	8	As	120			
	2400		S/S	12		12.9	80	76	E	15	8	0.4	2	Cu	20	7	As	120			
BIRD ISLAND 4	0100	A15	S/S	12		09.4	82	75	E	17	8	0.9	6	Cu	15	3	As	100			
	0400		S/S	12		09.0	82	75	E	20	6	0.4	2	Cu	15	3	As	100			
	0700		S/S	12		09.3	83	75	E	19	3	0.3	3	Cu	15	7	As	100			
	1000		S/S	12		10.3	85	76	E	15	3	0.8	3	Cu	15	6	As	100			
	1300		S/S	12		07.6	86	76	E	19	8	2.7	4	Cu	15	6	As	100			
	1600		S/S	12		06.6	85	76	E	18	6	1.0	3	Cu	15	5	Ac	100	1	Ci	
	1900		S/S	13		08.5	85	76	E	18	3	1.3	4	Cu	15	5	Ac	100	2	Ci	
	2200		S/S	12		08.7	83	75	E	18	1	0.2	3	Cu	15	6	Ac	100			

SURFACE OBSERVATIONS

13 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (ADD 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200	M15	s/c	8	RW-	09.6	78	75	E	19	7	1.7	7	Cu	15	3	As	100			RW- B 0120 E 0300
	0500	M15	s/c	15		09.3	80	77	ENE	15	5	0.3	6	Cu	15	2	As	100	1	Cu	RW TO E RW- B0600 E0700
	0800	M15	c	6	RW	11.1	80	76	NE	20	3	1.8	9	Cu	15						RW TO W RW B0750 E0800
	1100	M15	s/c	15		11.2	79	75	ENE	10	0	0.1	8	Sc	15	2	As	100			RW TO E RW B0857 E0930
	1400	M15	s/c	12	RW-	09.7	82	77	E	16	6	1.5	8	Sc	15	2	As	80			RW - B1400 E 1410
	1700		s/c	10		09.4	81	76	E	8	5	0.3	4	Cu	12	6	As	100			RW TO W RW- B1620 E1700
	2000	M10	s/c	6	RW-	11.1	79	77	E	15	2	1.7	7	Cu	10	3	As	100			SCTD RW B1740 E2230
	2300		s/c	10		11.4	81	76	E	19	0	0.3	5	Cu	10	5	As	110			
ENIWETOK	0200		s/c	25		08.3	81	76	E	15	8		3	Cu	18	7	As	100			RW B 0325 E0554
	0500	M18	c	12		07.9	81	76	E	12	8	0.4	8	Sc	18						RW B 0555 E0608
	0800		s/c	15		06.7	82	75	E	12	5	1.2	4	Cu	18	9	As	100			RW B 2255 E2305
	1100		o/	20		10.4	84	76	E	10	3	3.7	-	-	-	7	As	100	5	Cs	
	1400		s/c	20		09.0	84	74	E	8	8	1.4	-	-	-	1	As	100	8	Cs	
	1700		s/c	20		08.7	84	75	E	5	8	0.3	2	Cu	18	7	As	100			
	2000		o/	15		09.7	82	75	E	6	3	1.0	-	-	-	10	As	100			
	2300		s/c	12	RW-	10.5	82	79	ENE	7	1	0.8	4	Cu	18	4	As	100			
KWAJALEIN	0200		s/c	12		08.8	80	74	NE	6	3	0.2	2	Cu	20	1	As	120			
	0500		s/c	12		07.1	80	74	NNE	15	6	1.7	2	Cu	20	2	As	120	2	Cs	
	0800		s/c	12		08.5	85	76	NNE	10	2	1.4	3	Cu	20				1	Cl	
	1100		s/c	12		09.8	87	77	NE	11	4	1.3	3	Cu	20	1	As	120	1	Cl	
	1400		s/c	12		06.8	91	77	E	9	8	3.0	3	Cu	20	1	As	120	1	Cl	
	1700	M20	s/c	12	RW-	06.8	88	77	ENE	13	5	0.0	6	Cu	20	7	As	120	1	Cl	
	2000		s/c	12		08.8	82	77	ENE	14	3	2.0	5	Cu	20	5	As	120			
	2300		s/c	12		09.5	82	76	ENE	8	0	1.3	4	Cu	20	1	As	120			
MAJURO	0130		s/c	12		08.0	80	76	N	4	8	1.7	4	Cu	20	1	As				
	0430		s/c	12		07.8	81	76	N	4	6	0.2	4	Cu	20	3	As				
	0730		s/c	12		08.5	83	79	ENE	4	4	0.7	4	Cu	20	1	As		2	Cs	
	1030		s/c	12		09.1	84	77	ESE	3	1	0.6	1	Cu	20	2	As		4	Cs	
	1330		s	12		07.6	85	78	E	1	8	1.5	5	Cu	50						
	1630	M20	s/c	12		07.1	84	79	SE	3	4	0.5	6	Cu	20	1	As		1	Cs	
	1930		s/c	12		09.3	82	76	E	5	2	2.2	4	Cu	20	1	As				
	2230		s/c	12		10.0	82	79	E	6	9	0.7	4	Cu	20	1	Ac/As				
TARAWA	0000		s/c	10		10.5	77	74	Calm		0	0.7	2	Cu	20	1	Ac	160			
	0300		s/c	10		09.1	77	76	Calm		9	1.4	2	Cu	25				1	Cl	
	0600		s/c	10		07.1	78	75	Calm		4	2.0	1	Cu	20	2	As	130	1	Cl	
	0900		s/c	10		09.8	82	78	E	3	3	2.7	1	Cu	25	3	As	150	1	Cl	
	1200		s/c	10		09.1	86	77	Calm		9	0.7	3	Cu	25				3	Cl	
	1500		s/c	10		07.8	87	78	Calm		8	1.3	3	Cu	25				3	Cl	
	1800		s/c	10		07.8	85	78	E	5	5	0.0	2	Cu	25	2	As	140	1	Cl	
	2100		s/c	10		11.2	81	78	E	4	3	3.4	2	Cu	25	7	Ac	120			
WAKE	0200		s/c	12		13.5	80	75	ESE	14	3	0.0	3	Cu	20				2	Cl	
	0500		s	12		13.5	81	75	ESE	15	8	0.0	3	Cu	20						
	0800		s/c	12		14.2	85	75	ESE	12	3	0.7	2	Cu	20	2	As	15	4	Cs	
	1100		s/c	12		14.2	85	75	ESE	12	1	0.0	2	Cu	20				7	Cs	
	1400		o/c	12		13.5	86	76	E	10	7	0.7	3	Cb	20	1	Ac	18	9	Cs	
	1700		o/c	12		13.5	84	76	ESE	14	4	0.0	4	Cu	20				10	Cs	
	2000		o/c	12		13.9	82	74	E	13	3	0.4	2	Cu	20	10	As	24			RJEWC
	2300		s/c	12		14.9	82	78	E	11	1	1.0	3	Cu	20	8	As	24			
BIRD DOG 3	0300	M16	o	6	RW-	12.0	79	78	SE	8	8	0.9	10	Sc	16						
	0600	M20	s/c	6		12.5	80	76	E	12	3	0.5	6	Cu	20	3	As	120			
	0900	M20	s/c	12		13.7	82	77	ENE	15	3	1.2	6	Cu	20	4	As	120			
	1200		s/c	12		13.5	82	78	E	14	3	0.2	4	Cu	20	3	As	120			
	1500		s/c	12		12.4	84	76	E	13	8	1.1	2	Cu	20	6	As	120			
	1800		s/c	12		12.8	82	75	E	13	4	0.4	1	Cu	20	9	Ac	120			
	2100		s	12		13.8	80	77	E	14	3	1.0	4	Cu	20						
	2400		s	12		14.7	80	77	E	13	3	0.9	3	Cu	20						
BIRD DOG 4	0100		s/c	12		09.0	83	69	ESE	8	1	0.3	4	Cu	15	3	As	150			
	0400		s/c	12		08.5	83	71	SE	14	8	0.3	4	Cu	15	4	As	150			
	0700	M15	s/c	12		08.5	83	75	E	15	3	0.0	8	Cu	15	2	As	150			
	1000		s/c	12		08.6	85	77	ESE	17	0	0.1	3	Cu	15	5	As	150	2	Cs	
	1300		s/c	15		07.8	84	78	SE	15	8	0.8	4	Cu	15	5	As	100	1	Cl	RW B1453 E 1529
	1700		s/c	15		07.3	79	74	SE	15	8	0.3	3	Cu	15	7	As	100			
	2000		s/c	15		08.8	81	77	E	12	3	1.5	4	Cu	15	6	As	100			RW B2130 E 0130
	2300	M15	o	8		10.5	78	75	SE	13	3	1.7	10	Cu	15						

SURFACE OBSERVATIONS — 12 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (ADD 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		S/S	10		09.4	81	77	ENE	21	8	2.0	5	Cu	15	2	As	120			
	0900		S/S	12		09.1	82	77	ENE	21	5	0.3	4	Cu	15	3	Ac	120			RW - B 0500 E 0400
	0800		S/S	15		10.5	83	75	ENE	21	3	1.4	1	Cu	15	2	As	120	7	Cs	
	1100		S/S	15		10.5	85	74	E	21	3	0.0	3	Cu	15	1	As	120	3	Cs	
	1400	K15	S/S	15		08.9	86	75	ENE	17	8	1.6	7	Cu	15	1	As	120	1	Ci	
	1700		S/S	15		08.9	84	73	ENE	18	4	0.0	2	Cu	15	3	Ac	100	2	Cs	RW To E
	2000		SS	15		10.4	82	77	E	18	3	1.3	4	Cu	15	3	Ac	70			RW To E
	2300	K15	S/S	12		09.8	83	76	ENE	15	9	0.6	6	Cu	15				3	Cs	RW - B 2020 E 2100
ENIWETOK	0200	K16	S/S	12		09.1	81	77	NE	10	8	1.4	7	Cu	16	8	As	100			RW - B 2322 E 2328
	0500	K16	S/S	15		08.2	80	76	ENE	13	7	0.9	8	Cu	16	10	As	100			RW - B 0052 E 0058
	0800	K16	S/S	15		09.6	82	78	E	18	3	1.4	6	Cu	16	4	As	100			RW - B 0326 E 0338
	1100		S/S	12		09.8	80	78	E	10	0	0.2	5	Cu	16	6	As	100			RW - B 0846 E 0853
	1400		S/S	14		08.9	82	77	ENE	11	8	0.9	3	Cu	18	6	As	100			RW / B 0914 E 0924
	1700		S/S	15		07.8	81	77	ENE	17	8	1.1	4	Cu	12	8	As	100			
	2000		O/S	15		09.2	81	77	ENE	13	3	1.4	4	Cu	14	10	As	100			
	2300		S/S	20		10.3	81	76	E	15	1	1.1	5	Cu	18	7	As	100			
KWAJALEIN	0200		S/S	12		08.1	80	76	ENE	10	8	0.5	5	Cu	20	5	As	120			
	0500		S/S	12		07.8	81	77	ENE	10	5	0.3	5	Cu	20	2	As	120			
	0800		S/S	12		09.1	84	77	ENE	9	1	1.3	5	Cu	20				3	Ci	
	1100		S/S	12		09.8	87	76	E	10	4	0.7	4	Cu	20	6	As	120	1	Ci	
	1400		S/S	12		08.1	85	78	E	10	6	1.7	4	Cu	20	7	As	120			
	1700		S/S	12		06.8	82	75	E	5	6	1.3	4	Cu	20	9	As	120			
	2000	K20	S/S	12		08.8	79	76	E	13	3	2.0	7	Cu	20	8	As	120			
	2300		S/S	12		09.8	80	76	E	13	1	1.0	5	Cu	20	7	Ac	120			
MAJURO	0130		S/S	12		08.4	81	78	E	3	8	0.9	3	Cu	20	2	As/Ac				
	0430		S/S	12		07.9	81	77	E	6	5	0.5	2	Cu	20	2	As/Ac				RW B 0450 E 0502
	0730		S/S	12		09.8	82	79	E	6	3	1.9	4	Cu	20	3	Ac				RW B 0532 E 0545
	1030		S/S	12		10.2	84	79	E	4	2	0.4	3	Cu	20	1	As				RW - B 1903 E 1906
	1330		S/S	12		08.1	84	79	ESE	4	8	2.1	5	Cu	20	1	As				RW - B 2100 E 2104
	1630		S/S	12		07.0	84	77	ENE	3	6	1.1	4	Cu	20	1	As				
	1930	K20	O	3/4	RW/	09.7	81	79	N	13	3	2.7	10	Cu	20						
	2230		S/S	10		10.3	80	77	Calm		2	0.6	4	Cu	20	4	Ac/Ac				
TARAWA	0000		S/S	10		11.2	82	79	ENE	5	1	0.0	4	Cu	25	8	Ac				
	0300		O/S	10		06.4	80	77	Calm		8	4.7	4	Cu	25	6	Ac	120			
	0600		S	10		06.8	81	77	ESE	6	4	0.4	4	Cu	25						
	0900		S/S	10		10.8	84	80	E	6	3	4.0	4	Cu	25	2	Ac	120			
	1200		S/S	10		10.2	88	83	E	5	8	0.6	2	Cu	25	3	Ac	120	1	Ci	
	1500		S/S	10		07.8	87	80	E	6	8	2.4	3	Cu	25				2	Ci	
	1800		S/S	10		06.4	85	77	E	11	6	1.4	3	Cu	25				2	Ci	
	2100		S/S	10		08.8	82	77	E	3	3	2.4	3	Cu	25						
WAKE	0200		O/S	12		13.9	82	78	E	14	8	1.0	2	Cb	20	10	As	240			
	0500		S/S	12		13.5	82	75	E	12	6	0.4	2	Cu	20	8	As	240			
	0800		O/S	12		14.9	84	76	ESE	14	3	1.4	2	Cu	20	10	As	240			
	1100		O/S	12		14.6	86	75	E	10	7	0.3	3	Cu	20/	9	As	240			BINOVC
	1400		O/S	12		13.9	86	75	E	13	8	0.7	3	Cu	20	10	As	240			
	1700		O/S	12		13.5	85	75	E	10	6	0.4	3	Cu	20	10	As	240			BINOVC
	2000		S/S	12		14.9	83	76	E	8	3	1.4	3	Cu	20	6	As	240			
	2300		S/S	12		15.9	83	76	ESE	14	3	1.0	2	Cu	20	3	As	240			
BIRD ISLAND 3	0300		S	12		12.5	79	78	E	12	8	2.4	3	Cu	20						
	0600		S	12		12.6	80	74	ENE	13	4	0.3	5	Cu	20						
	0900	K60	S	12		14.1	81	74	ENE	16	3	1.5	8	Sc	60						
	1200		S	12		13.6	82	74	ENE	13	9	0.5	1	Cu	20						
	1500		S/S	12		12.4	85	74	E	12	8	0.2	3	Cu	20	3	As	120			
	1800		S/S	12		12.2	81	77	E	8	5	0.2	4	Cu	20	3	As	120			
	2100		S/S	12		14.4	80	73	E	15	3	2.2	3	Cu	20	3	As	120			
	2400		S/S	12		14.0	80	73	E	14	8	0.4	2	Cu	20	8	As	120			
BIRD ISLAND 4	0100	K15	S/S	10		10.0	78	75	ESE	14	8	0.5	6	Cu	15	4	As	100			
	0400		S/S	10		09.1	78	75	ESE	14	8	0.9	4	Cu	15	6	As	100			
	0700		S/S	12		08.6	81	75	S	15	8	0.5	1	Cu	15	9	As	100			
	1000		S/S	12		10.0	82	76	S	15	3	1.4	3	Cu	15	3	As	100			R B 1245 E 1325
	1300		S/S	2		10.0	80	77	S	11	0	0.0	1	Cu	15	9	As				
	1600	K8	O	2		09.5	76	76	S	17	4	0.5	10	St	8						
	1900	K10	O	3		11.8	75	74	S	10	3	2.3	10	St	10						
	2200		S/S	6		12.5	78	75	ENE	17	3	0.7	1	Cu	15	9	As	10?			

SURFACE OBSERVATIONS — 15 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S	15		08.3	81	75	ENE	15	8	1.5	5	Cu	12						RW- R0030 R0040
	0500		S/	15		07.9	81	74	ENE	20	8	0.8						6	Cs		
	0800		S/S	15		09.0	84	76	ENE	17	3	1.5	5	Cu	15			5	Cs		
	1100		S/S	15		08.9	85	76	ENE	19	9	0.1	4	Cu	15	1	Ac	100	2	Cs	
	1400		S/S	15		07.1	85	75	E	20	7	1.8	3	Cu	15				3	Cs	
	1700		S/S	15		06.7	84	74	E	18	6	0.4	4	Cu	15				1	Cs	
	2000		S	15		08.9	82	75	E	20	3	2.2	4	Cu	15						
	2300		S	15		09.3	82	77	E	19	0	0.4	4	Cu	15						
ENIWETOK	0200	K18	S/S	7		08.8	80	77	ENE	14	8	1.5	7	Cu	18	6	As	100			RW- R0054 R 0105 RW R1842 R1851
	0500	K16	S	20		08.1	82	76	ENE	12	5	0.7	7	Cu	16						RW R0627 R0635
	0800		S/S	20		09.6	80	76	E	13	3	1.4	4	Cu	16	5	As	100			RW- R0825 R0851
	1100	K16	S/S	12		09.5	80	75	ENE	10	9	0.1	7	Sc	16	3	As	100			RW- R0947 R 0959
	1400	K16	S/S	12		08.4	80	78	ENE	14	5	1.1	8	Sc	16	2	As	100			RW/ R1030 R 1040
	1700	K60	SE	12		08.0	82	75	ENE	10	6	0.4	4	Cu	16	9	As	60			RW- R1123 R 1126
	2000	K80	SE	12		08.0	81	76	E	10	1	0.0	3	Cu	18	7	As	80			RW- R1205 R 1220
	2100		S/S	20		08.0	81	75	ENE	20	1	0.0	4	Cu	16	10	As	100			RW/ R1331 R 1339
KWAJALEIN	0200		S/S	12		08.8	79	75	E	9	8	0.3	5	Cu	20	1	As	120	4	Cl	
	0500	K20	S/S	12	RW-	07.1	80	75	E	11	3	1.7	8	Cu	20	2	As	120			
	0800	K20	S/S	12	RW-	08.8	81	76	SE	11	4	1.7	7	Cu	20	2	As	120			
	1100		S/S	12		09.1	85	75	ESE	7	4	0.3	2	Cu	20	1	As	120	10	Cl	
	1400		S/S	12		07.1	89	77	SSE	8	9	2.0	5	Cu	20	1	As	120	7	Cl	
	1700		S/S	2	RW/	06.1	88	77	S	3	5	1.0	1	Cu	20	7	As	120			
	2000		S/S	5/8	R	08.2	77	76	E	5	3	2.1	1	Cu	10	10	As	120			
	2300		S/S	8	R	08.5	77	74	SSW	4	7	0.3	2	Cu	20	10	As	120			
MAJURO	0130		S/S	12		08.9	80	76	NE	2	8	1.4	5	Cu	20	3	As				
	0430		S/S	12		07.7	79	76	ENE	1	8	1.2	2	Cu	20	5	As				
	0730		S/S	12		09.0	82	77	Calm		4	1.3	3	Cu	20	4	As				RW/ R1422 R 1430
	1030	K20	S/S	12		09.3	84	79	NW	6	0	0.3	6	Cu	20	1	As		2	Cs	R R 1450 R 1515
	1330	K20	S/S	12		07.9	85	80	W	2	8	1.8	6	Cu	20	4	As				R R 1914 R 1952
	1630		S/S	8		06.7	79	76	W	8	8	0.8	3	Cu	20	5	As				
	1950	K18	S/S	6	R	08.4	80	77	NW	3	3	1.7	6	Cu	18	4	As				
	2230		S/S	12		08.6	80	77	W	5	0	0.2	3	Sc	20	6	As				
TARAWA	0000		S	10		10.2	81	77	E	6	0	1.0	1	Cu	25						
	0300		S	10		09.3	81	79	E	7	9	1.1	3	Cu	25						
	0600		S	10		07.3	81	76	SE	7	6	1.6	2	Cu	25						
	0900		S/S	10		09.8	85	79	E	6	3	2.3	3	Cu	25				2	Cl	
	1200		S/S	10		09.4	86	83	E	3	6	0.3	5	Cu	25	1	As	130			
	1500		S/S	10		06.8	84	79	E	4	8	2.7	3	Cu	25				2	Cl	
	1800		S	10		06.1	85	78	SE	8	6	0.7	3	Cu	25						
	2100		S	10		08.3	81	78	SE	10	3	2.4	3	Cu	25						
WAKE	0200		S	12		14.9	81	74	E	12	8	1.0	2	Cu	20						
	0500		S	12		15.3	82	75	E	12	8	1.4	2	Cu	20						
	0800		S	12		14.6	84	76	ENE	12	1	0.9	2	Cu	20						
	1100		S	12		14.2	87	76	ENE	12	8	0.4	3	Cu	20						
	1400		S/S	12	RW-	12.3	87	76	ENE	11	8	1.7	3	Cu	20				3	Cs	RW- R 1357 R 1359
	1700		S/S	12		12.2	86	76	ENE	15	6	0.3	4	Cu	20				7	Cs	
	2000		S/S	12		13.3	83	74	ENE	14	3	1.3	2	Cu	20				6	Cs	
	2300		S	12		13.9	82	77	E	14	3	0.4	4	Cu	20						
BIRD DOG 3	0300		S/S	12		12.0	80	73	ENE	14	3	2.0	4	Cu	20	10	As	120			
	0600		S/S	12		11.6	79	78	E	6	6	0.4	4	Cu	20	1	As	120			
	0900		S/S	12		12.8	84	71	ENE	15	3	1.2	1	Cu	20	3	As	120			
	1200		S/S	12		12.3	84	74	E	12	9	0.5	3	Cu	20	3	As	120			
	1500		S/S	12		10.2	89	74	ENE	15	8	2.1	1	Cu	20	7	As	120			
	1800		S/S	12		10.0	84	75	ENE	12	3	0.2	2	Cu	20	7	As	120			
	2100		S/S	12		11.3	80	74	ENE	17	3	1.3	2	Cu	20	7	As	120			
	2400		S/S	12		10.7	80	76	E	17	8	0.6	3	Cu	20	6	As	120			
BIRD DOG 4	0100	K10	S	10		11.8	78	75	SE	13	8	0.7	7	St	10	3	As	90			
	0400	K10	S	10		09.3	78	72	SE	10	8	2.5	5	St	10	3	As	90			
	0700		S/S	15		11.3	80	74	Calm		3	2.2	3	Cu	15	4	As	100			
	1000		S/S	12		12.2	84	76	E	6	3	0.7	1	Cu	15	7	As	100			
	1300		S/S	15		10.7	88	77	E	8	8	1.5	2	Cu	15	5	As	100			
	1600		S/S	15		09.3	87	74	E	2	8	1.6	1	Cu	15	7	As	100			
	1900		S/S	10		10.3	83	73	NE	5	3	1.2	3	Cu	15	3	As	100			
	2200		S/S	10		11.3	83	76	NE	3	3	1.0	4	Cu	15	3	As	100			

SURFACE OBSERVATIONS — 14 JULY — 1946

STATION	TIME (GMT)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
DEMS	0800		8	15		07.6	81	74	E	12	7	1.7	1	Cu	15				2	Cs	
	0900		8/8	15		07.6	81	74	E	10	5	0.0	1	Cu	15				2	Cs	
	0850		3/8	15		09.8	85	75	E	10	5	1.8	2	Cu	15				2	Cs	
	1100	7315	8/8	15		07.2	88	76	E	11	9	0.8	5	Cu	15				3	Cs	
	1400		8/8	15		07.6	92	73	E	12	8	1.6	2	Cu	15				4	Cs	
	1700		8/8	15		07.4	88	74	ENE	16	8	0.8	1	Cu	20				6	Cs	
	2000		8/8	15		09.2	82	72	ENE	16	5	1.7	1	Cu	20	1	As	140	4	Cs	
	2300		8/8	15		09.4	81	73	E	14	0	0.3	1	Cu	15				2	Cs	
ENIWETOK	0800		0/8	15		06.8	82	76	ENE	20	8	1.2	4	Cu	18	10	As	100			RW- B0502 E0507 RW B1712 E1728
	0900		0/8	15		06.1	81	76	ENE	16	6	0.7	5	Cu	18	10	As	100			RW- B0731 E0736 RW B1745 E1749
	0800	W18	3/8	20		07.1	83	79	E	17	3	1.0	7	Cu	18	-	-	-	2	Cs	RW- B1016 E1018 RW B2001 E2007
	1100	W16	8	6		07.7	84	79	E	10	1	0.6	8	Sc	16						RW- B1114 E1120 RW B2146 E2211
	1400		8	20		06.0	89	78	E	18	8	1.7	5	Cu	18						RW- B1405 E1411 RW B2233 F2244
	1700	W16	8	12		05.1	80	77	ENE	17	8	0.9	9	Sc	16						RW- B1604 E1614
	2000	W16	8	6		06.4	79	76	ENE	18	1	1.3	8	Cu	16						RW- B1655 E1641
	2300	W14	0	6		07.5	78	77	ENE	21	3	1.3	10	Sc	14						
KWAJALEIN	0800		8/8	12		07.9	79	75		Calm	7	0.3	3	Cu	30	1	As	120	2	Cl	
	0900		8/8	12		06.1	78	75		Calm	8	1.4	5	Cu	20	4	As	120	1	Cs	
	0800	W20	8/8	12	RW-	07.5	79	75		Calm	3	1.4	3	Cu	20	7	As	70	1	Cl	
	1100	W20	8/8	12		07.8	86	77	ENE	5	4	0.5	6	Cu	20	7	As	120	1	Cl	
	1400	W20	0/8	12		06.4	82	73	ESE	14	8	1.4	6	Cu	20	4	As	120			
	1700	W20	0/8	12		05.8	82	73	ESE	7	8	0.6	6	Cu	20	9	As	120			
	2000		0/8	12		07.8	80	74	ENE	13	5	2.0	4	Cu	20	9	As	120			
	2300		8/8	12		07.9	80	74	ENE	11	9	0.5	5	Cu	20	4	As	120			AS 320
MAJURO	0430		8/8	12		06.4	80	77	ENE	8	8	2.2	2	Cu	20	6	As/Ac		1	Cs	
	0830		8/8	12		06.1	81	75	NW	8	6	0.3	4	Cu	20	6	Ac				R/ B0530 E0730
	0930	W10	0	5	R	08.2	76	76	NW	3	3	2.3	10	St	10						R B0730 E1430
	1050	W10	0	5	R	09.3	76	75	SW	2	3	1.3	10	St	10						R- B1430 E2030
	1330	W10	0	4	R	07.7	75	74	NW	3	8	1.6	10	St	10						
	1630	W20	0	10	R-	06.2	77	75	E	3	6	1.5	10	St	20						
	1970		8/8	8	R-	08.4	76	74	NW	2	3	2.4	4	Sc	20	6	As	80			
	2330		8/8	10		07.5	77	74	Calm		7	0.9	1	Sc	20	6	As				
TARAWA	0000	W25	8	10		08.1	80	74	E	4	3	1.4	7	Cu	25						
	0300		8/8	10		07.1	79	76	Calm		8	2.0	3	Cu	25	1	Ac	140			
	0600	W25	8	10		06.4	81	75	E	4	8	0.7	6	Cu	25						
	0900	W25	8	10		08.5	82	77	ESE	4	3	2.1	6	Cu	25						
	1200		8/8	10		08.3	87	80	E	1	9	0.0	5	Cu	25	1	As	130			
	1500		8/8	10		05.8	84	80	ESE	6	7	2.7	5	Cu	25				1	Cs	
	1800		8/8	10		05.1	84	78	ESE	8	5	0.7	4	Cu	20				2	Cl	
	2100	W20	8/8	10		07.8	81	77	ESE	3	3	2.7	7	Cu	20	1	As	150			
WAKE	0800		8	15		12.9	81	73	E	-	8	1.0	2	Cu	20						
	0900		8	15		12.8	81	73	E	-	8	0.7	2	Cu	20						
	0800		8/8	15		13.2	84	76	E	-	3	1.0	2	Cu	20						
	1100		8	15		12.9	85	73	ENE	-	9	0.3	2	Cu	20						
	1400		8/8	15		11.3	83	77	E	-	7	1.4	5	Cu	20				1	Cs	
	1700		8	12		10.8	84	76	ENE	-	6	0.7	5	Cu	20						RW B1732 E1738
	2000		8	15		12.2	82	74	ENE	-	3	1.4	5	Cu	20						
	2300		8	15		12.9	84	74	E	-	1	0.7	2	Cu	20						
SHIP DOG 3																					
SHIP DOG 4	[illegible]		8/8	10		[illegible]	80	75	ENE	7	8	1.4	3	Cu	15	6	As	100			
	0500		8/8	15		08.5	79	76	E	6	8	1.0	8	Cu	15	8	As	100			
	0700		8/8	15		09.9	80	75	E	4	3	1.4	8	Cu	15	5	As	100			
	1000		8/8	15		09.8	82	73	E	17	9	0.3	5	Cu	15	5	As	100			
	1300		8/8	15		08.6	85	75	ENE	18	8	1.0	4	Cu	15	5	As	100			
	1600		8/8	15		06.8	86	77	E	8	8	2.8	8	Cu	15	6	As	100	1	Cs	
	1900		8/8	15		07.6	83	73	E	10	3	0.8	5	Cu	15	2	As	100			
	2200		8/8	15		08.6	83	76	ENE	10	3	1.0	5	Cu	15	2	As	100			

SURFACE OBSERVATIONS — 15 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/S	15		07.6	81	75	E	16	8	1.8	3	Cu	15				3	Cs	
	0500		S/S	15		07.6	80	73	ENE	17	4	0.0	3	Cu	15				4	Cs	
	0800		S/S	15		09.7	83	73	E	18	3	2.1	4	Cu	15				3	Cs	
	1100	M15	S/S	15	RW-	09.6	85	77	E	15	9	0.1	7	Cu	15				3	Cs	RW - B 1000 E 1005
	1400		S/S	15		08.8	90	76	ESE	11	8	0.8	4	Cu	15				3	Cs	RW - To SE
	1700	8	S/S	15		08.2	79	76	E	19	7	0.6	3	Cu	15	3	Ac	120	1	Cs	RW - B 1300 E 1305
	2000		S/S	15		09.9	81	74	ESE	14	3	1.7	3	Cu	15	3	Ac	-	1	Cs	RW B 1625 E 1630
	2300	M10	S/S	10		10.5	81	73	ESE	5	1	0.6	6	Cu	10	3	As	-			RW - B 2220 E 2300
ENIWETOK	0200	M18	S/S	10		06.8	80	77	SSE	18	8	0.7	8	Cu	18	3	As	100			RW - B 0036 E 0040
	0500		S/S	15		06.2	82	75	E	18	3	0.6	2	Cu	18	9	As	100			RW B 0201 E 0212
	0800		S/S	20		07.2	82	75	E	12	3	1.0	3	Cu	18	1	As	100	4	Cs	RW B 0859 E 0903
	1100		S/S	30		07.3	85	77	E	10	0	0.1	2	Cu	18	2	As	100	6	Cs	
	1400	M18	S/S	30		05.9	85	77	E	10	8	1.4	6	Cu	18	8	As	100			
	1700		S/S	25		05.2	83	76	E	10	8	0.7	4	Cu	18	7	As	100			
	2000		S/S	20		06.7	81	75	E	13	1	1.5	4	Cu	18	5	As	100	4	Ci	
	2300		S/S	20		07.6	82	75	E	18	1	0.9	3	Cu	18	7	As	100			
KWAJALEIN	0200		S/S	12		06.1	79	73	ESE	5	8	0.7	2	Cu	20	7	As	120			
	0500		S/S	12		05.8	79	73	SE	4	3	0.3	3	Cu	20	2	As	120			
	0800		S/S	12		06.8	82	71	SE	7	4	1.0	2	Cu	20	1	As	120	3	Ci	
	11000		S/S	12		08.5	87	74	E	7	4	1.7	2	Cu	20	1	As	120	3	Ci	
	1400		S/S	12		06.4	86	76	SE	6	8	2.1	2	Cu	20				3	Ci	
	1700		S/S	12		06.8	80	73	S	7	1	0.4	2	Cu	20	7	As	120	8	Ci	
	2000		S/S	12		07.8	80	74	SE	3	1	1.0	4	Cu	20	6	As	120	7	Ci	
	2300		S/S	12		07.8	80	74	SE	8	1	0.0	2	Cu	20	4	As	120	7	Ci	
MAJURO	0130		S/S	12		06.1	78	75	NE	3	7	1.4	2	Cu	20	6	Ac	/As			
	0430		S/S	12		06.3	79	73	NE	8	4	0.2	3	Sc	20	3	Ac	/As			
	0730	M20	S/S	12		08.8	78	75	SE	3	2	2.3	6	Sc	20	3	Ac	/As			
	1030		S/S	12		08.7	84	77	SW	2	0	0.1	2	Cu	20	6	Ac	/As	1	Cs	
	1330		S/S	12		06.1	83	75	W	8	8	2.6	1	Cu	20	4	As		2	Cs	
	1630		S/S	12		06.3	82	75	W	10	4	0.2	1	CB	20	8	Ac	/As	1	Cs	CB IN DEPT SSE
	1930		S/S	12		08.4	81	77	W	8	3	2.1	2	Sc	20	8	Ac	/As			
	2230		S/S	12		09.0	81	75	W	12	1	0.6	1	Cu	20	4	Ac				
TARAWA	0000	M20	S	10		08.5	81	75	NW	7	1	0.7	9	Sc	20						
	0300	M25	S/S	10		06.1	79	76	NW	3	8	2.4	6	Cu	25				7	Cs	
	0600		S/S	10		07.5	80	78	W	5	4	1.4	1	Cu	25	3	Ac	90	4	Cs	
	0900	M25	S/S	10		09.1	80	78	Calm		3	1.6	6	Cu	25	3	As	100			
	1200		S/S	10		08.8	85	78	NE	2	9	0.3	3	Cu	25				6	Cs	
	1500		S/S	10		06.1	86	76	Calm		7	2.7	3	Cu	25				4	Ci	
	1800		S/S	10		05.4	83	78	Calm		5	0.7	2	Cu	25	4	As	130	2	Ci	
	2100		S/S	10		07.1	87	76	Calm		5	1.7	1	Cu	25	2	As	120	6	Ci	
WAKE	0200		S	12		11.2	81	74	E	18	7	1.7	2	Cu	20						
	0500		S	12		10.5	81	74	ENE	15	6	0.7	2	Cu	20						
	0800		S	12		12.2	95	74	ENE	10	2	1.7	1	Cu	20						
	1100		S	12		12.9	86	73	ENE	14	2	0.7	2	Cu	20						
	1400		S	12		10.8	86	74	E	15	8	2.1	2	Cu	20						
	1700		S	12		10.5	86	74	E	12	6	0.3	2	Cu	20						
	2000		S	12		11.9	82	74	E	15	3	1.4	3	Cu	20						
	2300		S	12		12.2	81	74	E	12	0	0.3	2	Cu	20						
BIRD DOG 3																					
BIRD DOG 4	0100		S/S	15		07.0	82	77	ENE	10	8	1.6	4	Cu	15	3	Ac	100			
	0400		S/S	15		06.3	82	77	NE	8	8	0.7	3	Cu	15	3	Ac	100			
	0700		S/S	15		07.6	84	75	NE	14	3	1.3	3	Cu	15				1	Cs	
	1000		S/S	15		07.8	85	77	ENE	12	0	0.2	3	Cu	15	2	As	100			
	1300		S/S	15		06.7	85	77	E	12	8	1.1	3	Cu	15	3	As	100			RW B 1518 E 1525
	1600		S/S	15		05.4	81	77	E	10	8	1.3	4	Cu	15	1	As	100			
	1900		S/S	15		07.3	83	78	NE	8	3	1.8	3	Cu	15	3	As	100			
	2200		S/S	15		08.7	81	76	E	16	3	1.4	2	Cu	15	3	As	100			RW B 2002 E 2010

SURFACE OBSERVATIONS — 16 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BROWN	0200		s/s	6		10.1	81	75	ENE	5	9	0.4	3	Cu	12	5	Ac	-			RW- B0119 E 0125
	0500		s/s	8		10.8	78	75	ESE	8	6	0.1	3	Cu	12	7	As	-			
	0800		s/s	15		11.6	80	74	N	9	8	1.4	1	Cu	15	7	Ac	120	1	Cs	
	1100		s/s	15		10.8	82	77	NNE	11	0	0.8	2	Cu	15		Ac	140	2	Cs	
	1400		s/s	15		09.5	82	79	NNE	8	8	1.3	1	Cu	12	8	As	120			
	1700		s/s	15		09.5	81	75	ENE	9	4	0.0	4	Cu	15				6	Cs	
	2000		s/s	15		11.2	82	79	ENE	10	3	1.7	2	Cu	15				4	Cs	
	2300		s/s	15		11.3	82	75	ENE	8	0	0.1	3	Cu	15				4	Cs	RW B 2100 E 2300
ENIWETOK	0200		s/	20		06.5	81	75	E	12	8	1.1				3	As	100			RW B0601 B0604 R B2130 E2136
	0500		s/s	20		06.4	81	75	E	13	5	0.1	5	Cu	18	2	As	100			RW B0843 E0848
	0800	W18	o/s	20		07.2	80	76	E	14	3	0.8	7	Cu	18	10	As	120			RW B1027 E1033
	1100	W16	s/s	15		08.6	81	77	E	22	1	1.4	6	Sc	16	6	As	100			RW B1449 E1450
	1400	W6	s/s	12		07.9	80	77	E	19	5	0.5	8	Sc	16	2	As	100			RW B1806 E1814
	1700		s/s	12		06.5	82	76	E	10	8	1.4	5	Cu	16	6	As	100	3	Ci	RW B1854 E1919
	2000	W6	o/s	1/4	R/	08.2	76	75	SW	12	5	2.3	8	Sc	16	10	As	100			RW B1934 E1943
	2300	W6	o	6		09.9	75	74	SSW	10	3	1.7	10	Sc	14						RW B1958 E2130
KWAJALEIN	0200		s/s	12		06.8	79	75	ESE	5	8	0.4	3	Cu	20	7	Ac	120	1	As	
	0500		s/s	12		06.8	80	74	E	7	5	0.9	3	Cu	20	5	Ac	120			As 120
	0800		s/s	12		08.5	83	75	E	11	3	1.7	2	Cu	20	1	Ac	120			
	1100		s/s	15		09.1	87	75	SE	9	4	0.6	2	Cu	20				2	Ci	
	1400		s/s	15		06.8	89	77	E	10	8	2.3	2	Cu	20	1	Ac	120	4	Ci	
	1700		s/s	12		06.4	84	75	SE	6	6	0.4	4	Cu	20				8	Ci	
	2000		s/s	12		08.8	80	74	SSW	7	3	1.4	3	Cu	20	4	As	120	8	Ci	
	2300		s/s	12		09.1	80	74	WNW	5	1	0.3	3	Cu	20	4	Ac	120	4	Cs	
MAJURO	0130		s/s	12		07.4	82	76	NW	3	8	1.6	2	Sc	20	6	Ac				
	0430		s/s	12		07.7	79	75	NW	6	2	0.3	1	Cu	20	7	Ac/As				
	0730		s/s	12		08.6	84	77	NE	4	3	0.9	2	Cu	20	7	Ac				
	1030		s/s	12		08.5	85	79	NE	6	9	0.1	3	Cu	20	2	Ac				
	1330		s/s	12		07.2	90	76	N	1	8	1.3	1	Cu	20	2	Ac				
	1630		s/s	12		07.4	89	77	N	4	4	0.2	4	Cu	20	1	Ac				
	1930		s/s	12		09.0	82	75	NE	4	3	1.6	5	Cu	20	1	As				
	2230		s/s	12		09.3	81	75	N	3	0	0.3	1	Cu	20	2	Ac				
TARAWA	0000		s/s	10		08.8	80	77	Calm		3	1.0	1	Cu	25				3	Ci	
	0300		s/s	10		07.8	80	76	Calm		5	1.0	1	Cu	25	1	Ac	90	4	Cs	
	0600		s	10		07.1	80	74	Calm		8	0.7	2	Cu	20						
	0900		s	10		08.5	85	79	Calm		4	1.4	3	Cu	25						
	1200		s/s	10		09.1	87	80	E	6	3	0.6	4	Cu	25	1	Ac	140			
	1500		s/s	10		06.8	87	77	ENE	5	7	2.3	3	Cu	25	5	Ac	160			
	1800		s/s	10		06.4	78	75	NE	4	7	0.4	3	Cu	20	6	Ac	140			
	2100		s/s	10		09.1	82	74	NE	4	3	2.7	3	Cu	20	6	Ac	140			
WAKE	0200		s	12		11.2	80	73	E	7	8	1.0	1	Cu	20						
	0500		s	12		10.2	80	73	E	8	8	1.0	2	Cu	20						
	0800		s/s	12		12	82	75	ESE	12	3	2.3	2	Cu	20	1	As	150			
	1100		s/s	12		12.5	84	74	E	5	1	0.0	2	Cu	20	2	As	150			RW B 1325 E 1335
	1400		s	12		11.5	83	76	NE	5	7	1.0	4	Cb	20						
	1700		s	12		11.9	84	76	E	10	5	0.4	5	Cb	20						
	2000	W20	s	12		12.2	82	76	E	8	1	0.5	6	Cu	20						
	2300		s	12		13.2	81	75	E	10	3	1.0	3	Cu	20						
BIRD DOG 3																					
BIRD DOG 4	0100		s/s	15		06.8	83	76	ENE	16	8	1.9	5	Cu	15	2	As	150			
	0400	W5	s/s	12		05.8	82	75	E	20	8	1.0	6	Cu	15	4	As	150			
	0700		s	10		08.0	82	75	E	20	3	2.2	1	Cu	15						
	1000		s/s	10		08.0	82	75	E	20	8	0.0	1	Cu	15	9	As	150			
	1300	W5	s/s	10		05.8	85	75	E	20	8	2.2	8	Cu	15	2	As	150			
	1600		s/s	15		05.0	84	78	ENE	18	8	0.8	5	Cu	15	5	Ac	150			
	1900		s/s	15		07.5	83	75	E	18	3	2.5	4	Cu	15	3	Ac	150			
	2200		s/s	15		08.8	82	74	E	20	3	1.3	5	Cu	15	3	Ac	150			

SURFACE OBSERVATIONS — 27 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	KEY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400-1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0900		s/s	15		09.6	81	75	E	2	8	1.7	2	Cu	15				2	Cs	
	0500	M15	s/s	15		09.5	79	76	ENE	4	5	0.1	7	Sc	15	2	As	120	2	Ci	RW- B0455 E0445
	0800		s/s	15		10.8	82	77	ENE	12	2	1.3	6	Cu	15	2	As	120	1	Ci	RW- To W VSBY 3 MI
	1100		s/s	15		10.4	86	76	ENE	5	1	0.4	4	Cu	15	3	As	120	2	Ci	RW- B0728 E0730
	1400		s/s	15		09.0	90	76	ENE	6	7	1.4	2	Cu	15	1	As	120	3	Cs	
	1700	M10	s/s	10	RW	08.8	82	76	NE	12	6	0.2	6	Cu	10				3	Cs	RW B1700 E1730
	2000		s	15		10.5	82	74	E	3	3	1.7	3	Cu	15						OCNL LTNG RW B1836 E1900
	2300		s	15		10.9	82	78	ENE	10	4	0.4	3	Cu	15						OCNL LTNG
ENIWETOK	0800		c/s	15		09.1	78	74	NE	8	9	0.8	5	Sc	16	10	As	100			RW- B 0004 E 0014
	0500	E80	os	10		08.6	78	75	ENE	6	6	0.5	2	Sc	18	10	As				RW- B 0514 E 0540
	0800		s/s	15		08.8	80	75	ENE	10	1	0.2	4	Cu	18	9	As	100			RW- B 0552 E 0435
	1100		s/s	15		09.6	82	77	E	9	3	0.8	3	Fa	16	8	As	100			RW- B 0520 E 0535
	1400	E16	s/s	15		09.1	83	76	ENE	7	9	0.5	6	Cu	16	5	As	100			
	1700	E18	s/s	15		08.5	83	76	ENE	6	6	0.8	6	Cu	18	8	As	100			
	2000		s/s	15		09.3	81	76	NE	7	6	1.0	5	Cu	18	9	As	100			
	2300		s/s	15		10.5	81	75	ENE	6	6	1.2	3	Cu	18	8	As	100			
KWAJALEIN	0300		s/s	12		10.2	80	74	WSW	15	8	0.2	4	Cu	20	2	As	120	1	Ci	
	0500		s/s	12		08.1	79	75	WSW	11	8	2.1	4	Cu	20	1	As	120	1	Ci	
	0800		s/s	12		09.5	81	74	W	11	3	1.4	4	Cu	20	3	As	120	3	Ci	
	1100		s/s	12		09.5	85	76	W	6	3	0.0	2	Cu	20	2	As	120	8	Ci	
	1400		s/s	12		07.5	85	77	W	3	8	2.0	2	Cu	20	1	As	120	7	Ci	
	1700		s/s	12		07.5	80	76	WNW	8	6	0.0	4	Cu	20	2	As	120	7	Ci	
	2000		s	12		09.8	80	75	W	3	3	2.3	3	Cu	20						
	2300		s/s	12	RW-	09.5	79	76	W	8	1	0.3	3	Cu	20	3	As	120	1	Ci	
MAJURO	0130		s/s	12		08.6	80	74	N	4	7	0.7	2	Cu	20	1	As				
	0430		s/s	12		08.3	80	75	N	2	5	0.3	2	Cu	20	2	As				
	0730		s/s	12		09.8	83	78	N	4	3	1.3	1	Cu	20	1	As				
	1030		s/s	12		10.0	85	77	NW	10	1	0.8	4	Cu	20	1	Ac		2	Ci	
	1330		s/s	12		08.7	85	78	NW	6	7	1.3	4	Cu	20	2	As				
	1630		s/s	12		07.8	84	79	NW	8	6	0.9	5	Cu	20	3	Ac	As			
	1930	M20	s/s	12		09.1	82	78	NW	12	3	1.3	6	Cu	20	2	Ac				
	2230		s/s	12		10.0	81	78	N	12	3	0.9	3	Cu	20	6	Ac	As			
TARAWA	0000	M25	s	10		08.1	80	76	NE	4	8	0.7	6	Cu	25						
	0300		s	10		07.8	79	76	NE	2	8	0.3	3	Cb	20						
	0600	M25	s	10		08.8	78	77	Calm		4	1.0	9	Cb	25						
	0900	M20	s/s	10		10.3	78	75	S	4	3	1.7	7	Cb	20	3	Ac	120			
	1200		s/s	10		09.8	83	79	Calm		9	0.7	2	Cu	20	5	Ac	130			
	1500		s/s	10		07.8	86	80	S	2	8	2.0	3	Cu	25	2	Ac	130			
	1800		s/s	10		08.1	82	77	SSE	9	4	0.3	3	Cu	25	1	Ac	130			
	2100		s/s	10		09.6	78	75	Calm		4	1.3	2	Cu	25				1	Ci	
WAKE	0000		s/s	12		12.2	80	74	ESE	12	8	1.0	1	Cu	20	1	As	150			
	0300		s/s	12		11.5	80	74	ESE	8	7	0.7	1	Cu	30	2	As	150			
	0600		c/s	12		13.5	82	75	E	10	3	2.0	2	Cu	20	3	Ac	150	8	Cs	
	1100		s/s	12		13.9	85	73	ESE	8	1	0.4	2	Cb	20	2	As	150	3	Cs	
	1400		c/s	12		13.2	86	76	ESE	10	5	0.7	1	Cu	20	1	As	150	10	Cs	
	1700		c/s	12		12.9	86	75	ESE	6	3	0.3	1	Cu	20	1	As	150	10	Cs	
	2000		c/s	12		13.3	82	75	ESE	4	3	1.4	2	Cb	20				10	Cs	
	2300		c/s	12		14.2	82	75	E	8	8	0.7	1	Cb	20				10	Cs	
BIRD DOG 3																					
BIRD DOG 4	0100		s/s	15		07.7	82	77	NE	16	8	1.1	4	Cu	15	3	As	150			
	0400		s/s	15		06.6	82	77	NE	14	8	1.1	4	Cu	15	3	As	150			
	0700		s/s	15		08.3	86	77	NE	12	3	2.3	3	Cu	15	3	Ac	150	1	Ci	
	1000		s/s	15		08.8	85	77	E	8	4	0.5	3	Cu	15	3	Ac	150	1	Cs	
	1300		s/s	10		08.6	80	70	E	10	9	0.8	1	Cu	15	9	As	150			
	1600		s/s	10		08.7	88	75	E	14	4	0.1	1	Cu	15	8	As	150			
	1900		s/s	8		09.6	78	75	ESE	12	3	0.5	2	Cu	15	7	As	150			
	2200		s/s	8		09.7	80	76	E	18	3	0.1	2	Cu	15	6	As	150			

SURFACE OBSERVATIONS — 18 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 to 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	PRESSURE CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/S	15		08.9	81	77	NE	10	8	2.0	3	Cu	15	1	Ac	150	4	Cs	Lunar Halo
	0500		S/S	15		08.2	81	77	NE	10	6	0.7	4	Cu	12	1	Ac	120	3	Cs	OCNL LTNG E - SE
	0800	R5	S/S	12		10.1	80	74	E	12	3	1.9	8	Cu	10	1	Ac	120	1	Cs	RW ALL QUADS CB
	1100		B/S	12	RW-	09.6	82	77	E	17	8	0.5	4	Cu	12	6	Ac	120			RW - B 0705 E 0800
	1400		T/S	12		08.2	82	76	ENE	9	8	1.4	4	Cu	10	6	Ac	100			RW - B 0821 E 0900
	1700	R12	S/S	15		07.7	82	76	E	14	5	0.5	6	Sc	12	4	Ac	100			RW - B 0925 E 1000
	2000		B/S	15		09.4	82	76	E	7	3	1.7	4	Cu	12	6	As	100			RW B 1150
	2300		S/S	15		10.0	82	77	ENE	7	1	0.6	2	Cu	12				2	Ci	
ENIWETOK	0200		S/S	15		09.3	80	76	E	6	8	1.2	2	Cu	18	2	As	100			
	0500		S/S	20		09.1	80	75	NE	6	8	1.2	1	Cu	18	3	As	100			
	0800		S/S	25		09.9	84	75	NE	7	3	1.8	4	Cu	18	1	As	100			
	1100		S/S	30		10.3	86	79	NE	7	2	1.4	5	Sc	18	3	As	100			
	1400		S/S	30		08.3	85	77	NE	7	8	2.0	5	Cu	18				4	Ci	
	1700	R18	S/R	25		08.7	85	77	NE	7	8	0.4	7	Cu	18	2	Ac	100	3	Ci	
	2000		B/S	25		09.8	81	75	NE	7	3	1.1	4	Cu	18				7	Ci	
	2300		B/S	25		09.8	81	76	NE	8	8	0.0	4	Cu	18	5	Ac	100	6	Ci	
KWAJALEIN	0200		S/S	12		08.5	79	74	WNW	7	8	2.7	3	Cu	20	3	As	120			
	0500		B/S	12		07.8	77	75	WNW	6	5	0.7	5	Cu	26	3	As	120			
	0800		B/S	12		09.5	80	74	NW	7	3	1.7	4	Cu	20	1	As	120	3	Ci	
	1100		S/S	12		09.5	84	76	NW	3	0	0.0	2	Cu	20	1	As	120	2	Ci	
	1400		S/S	12		07.5	86	75	NW	7	8	2.0	2	Cu	20	1	As	120	3	Ci	
	1700		S/S	12		07.1	87	75	WNW	7	5	0.4	1	Cu	20	2	As	120	1	Ci	
	2000		S/S	12		09.1	82	75	WNW	5	1	2.0	3	Cu	20	4	As	120			
	2300		O/S	12		09.1	81	75	SW	5	1	0.0	3	Cu	20	7	As	120	1	Ci	
MAJURO	0130		B/S	12		08.7	82	77	N	5	8	1.3	4	Cu	20	6	Ac	As			R - B 0230 E 0325
	0430		B/S	12		07.8	79	76	N	5	6	0.9	2	Cu	20	6	As				RW - B 0630
	0730		S/S	12		08.9	82	78	N	5	3	1.1	4	Cu	18	5	As				R B 2130 E 2330
	1030		S/S	12		09.5	84	79	N	6	0	0.6	3	Cu	20	3	Ac	As	2	Cs	
	1330		B/S	12		07.5	86	78	NE	8	2	2.0	4	Cu	20	5	As		1	Cs	
	1630		B/S	12		06.5	84	76	E	6	6	1.0	4	Cu	20	1	As		5	Cs	
	1930		S/S	12		08.5	83	78	SE	5	3	2.0	2	Cu	20	2	As				
	2230	R16	B/R	1/2	R	10.6	76	75	S	24	1	2.1	8	Sc	16	2	As				
TARAWA	0000		B/S	10		10.2	78	77	Calm		1	0.7	2	Cu	25	6	Ac	150			
	0300		S/S	10		08.8	78	77	Calm		8	1.4	1	Cu	25	3	As	120			
	0600		O/S	10		07.8	78	75	Calm		5	1.0	2	Cu	25	10	Ac	100			
	0900		O/S	10		10.2	78	75	SE	3	3	2.4	2	Cu	25	10	Ac	100			
	1200		S/S	10		09.8	85	80	Calm		6	0.4	3	Cu	25	4	Ac	110			
	1500		S/S	10		07.8	85	81	WSW	5	8	2.0	3	Cu	35				4	Ci	
	1800		S/S	10		08.1	83	78	WSW	10	4	0.3	4	Cu	25	2	As	150	2	Ci	
	2100		S	10		09.5	81	77	W	9	3	1.4	5	Cu	20						
WAKE	0200		O/S	12		12.2	81	76	ENE	9	8	2.0	2	Cu	20				10	Cs	
	0500		B/S	12		11.2	81	75	ENE	10	7	1.0	2	Cu	20				6	Cs	
	0800		B/S	12		13.2	86	75	ENE	9	8	2.0	2	Cu	20				9	Cs	
	1100		S/S	12		12.9	88	76	ENE	11	9	0.3	2	Cu	20				2	Cs	
	1400		B/S	12		12.2	86	73	E	10	6	0.7	2	Cu	20	2	As	140	7	Cs	
	1700		O/S	12		11.2	85	77	ENE	10	6	1.0	2	Cu	20				10	Cs	RW B 1751 E 1810
	2000		O/S	12		12.2	82	75	E	11	3	1.0	2	Cb	20				10	Cs	
	2300		S/S	12		12.9	82	75	E	5	1	0.7	2	Cu	20				5	Cs	
BIRD DOG 3																					
BIRD DOG 4	0100		S/S	10		08.4	81	76	ESE	20	8	1.3	2	Cu	15	5	As	150			
	0400		S/S	12		09.1	82	77	SE	16	3	0.7	3	Cu	15	5	As	150			
	0700		B/S	10		10.0	82	76	SE	19	3	0.9	1	Cu	15	9	Ac	150			
	1000		B/S	15		10.0	85	77	SE	8	3	0.0	1	Cu		8	As				
	1300		S/S	15		09.2	84	76	S	7	8	0.8	3	Cu	15	5	As	100			
	1600		S/S	15		09.0	84	77	SW	6	8	0.2	4	Cu	15	5	Ac	150			
	1900		S/S	15		10.4	82	77	SE	8	3	1.4	2	Cu	15	4	As	150			
	2200		S/S	15		11.2	82	77	SE	7	3	0.8	2	Cu	15	2	As	150			

SURFACE OBSERVATIONS — 19 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 9-HR. PREC. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/S	15		08.5	81	75	E	5	8	1.5	4	Cu	15				1	Ci	
	0500		S/S	15		08.4	81	75	ENE	14	5	0.1	3	Cu	15				3	Ca	RW IN SIGHT
	0800		S/S	15		09.4	82	75	E	13	3	1.0	3	Cu	12	2	Ac	150	4	Ci	RW TO SW
	1100		S/S	15		09.9	84	76	SE	10	0	0.5	2	Cu	15	6	Ac	150	1	Ci	RW TO SW
	1400		S/S	15		08.4	93	73	ESE	12	8	1.5	3	Cu	15	3	Ac	100	3	Ca	
	1700		S/S	15		08.4	99	79	SSE	4	2	0.0	3	Cu	15	1	Ac	120	5	Ca	RW- B1645 E 1700
	2000		S/S	15		10.2	84	74	SE	6	3	1.8	2	Cu	15	1	Ac	120	4	Ca	
	2300		S/S	15		11.0	84	76	ESE	6	3	0.8	3	Cu	15				3	Ca	
ENIWETOK	0200		B/S	15		08.9	81	76	NE	8	6	0.9	2	Cu	18	3	Ac	100	3	Ci	RW- B0505 E 0530
	0500		S/S	12		07.2	81	77	NE	6	8	1.7	2	Cu	18	4	Ac	100			RW- B1930 E 1935
	0800		B/S	15		08.5	82	78	E	8	3	1.3	3	Cu	18	3	Ac	100	7	Ca	
	1100		B/S	18		09.1	86	76	E	7	6	0.6	4	Cu	18	7	Ac	100	6	Ca	
	1400	E18	B/B	30		07.8	86	77	E	7	8	1.3	6	Cu	18	4	Ac	100	6	Ca	
	1700		B/S	30		07.1	86	75	E	7	6	0.7	4	Cu	18	3	Ac	100	7	Ca	
	2000	E18	S/B	20		08.4	82	76	ENE	7	3	1.3	6	Cu	18	2	Ac	100			
	2300		S	15		08.6	82	77	E	7	0	0.2	3	Cu	18						
KWAJALEIN	0200		O/S	12		08.1	81	77	SSW	7	8	0.5	5	Cu	20	8	As	120			
	0500	E12	O/B	6	TR-	07.1	79	76	WSW	5	3	1.0	6	Cb	20	6	As	120			
	0800		B/S	12		08.5	80	73	SW	4	4	1.4	2	Cu	20	5	Ac	120	8	Ci	
	1100		B/S	12		09.5	84	76	WSW	8	4	1.0	3	Cu	20	4	Ac	120	8	Ci	
	1400		B/S	12		07.8	85	75	NW	3	8	1.7	2	Cu	20	5	As	120	8	Ci	
	1700		B/S	12		08.5	83	75	N	6	6	0.7	2	Cu	20	4	Ac	120	8	Ci	
	2000		B/S	12		08.5	81	75	E	5	1	0.0	4	Cu	20	5	Ac	120	7	Ci	
	2300		B/S	12		09.8	80	76	SE	6	3	1.3	4	Cu	20	5	Ac	120	6	Ci	
MAJURO	0130	E10	O	1	R	09.1	76	75	SW	20	8	1.5	10	Sc	10						R B0030 E0250
	0430	E15	S/B	6		08.0	80	76	SW	14	7	1.1	9	Sc	15	1	As				R-B0230 E0250
	0730	E30	B/S	6	R-	09.9	80	77	SW	2	3	1.9	4	Sc	18	6	As	50			R- B0700 E0730
	1030	E80	O	7		09.3	81	77	NW	3	9	0.4				10	As	80			
	1330		B/S	12		07.8	82	75	W	4	7	1.7	1	Cu	20	7	As				
	1630		S/S	12		08.1	82	74	W	7	3	0.3	2	Cu	20	4	Ac/As				
	1930		S/S	12		09.8	79	76	W	2	3	1.7	5	Sc	20	4	As				
	2230		S/S	12		10.5	79	76	W	2	3	0.7	2	As	20	3	Ac/As	160			
TARAWA	0000		B/S	10		10.2	80	76	WSW	5	1	1.0	2	Cu	20	8	Ac/As				
	0300		B/S	10		08.5	79	76	Calm		9	1.7	2	Cu	25				6	Ci	
	0600	E25	B	10		08.1	79	76	NNW	11	5	0.4	8	Cu	25						
	0900		S/S	10		09.8	80	75	N	7	3	1.7	3	Cu	20	1	Ac	160	4	Ca	
	1200		S/S	10		10.2	86	76	W	9	0	0.4	3	Cu	20	2	As	150	4	Ci	
	1500		S/S	10		08.8	86	78	SW	4	8	1.4	2	Cu	25	1	As	140	3	Ci	
	1800		S/S	10		07.8	85	75	WSW	4	5	1.0	3	Cu	25	4	Ci				
	2100	E20	S/B	10		09.8	80	77	WSW	10	3	2.0	6	Cb	20	3	Ac	1600			
WAKE	0200		S/S	12		11.5	81	73	E	8	8	1.4	1	Cu	20				2	Ca	
	0500		S/S	12		10.8	81	73	E	6	8	0.7	2	Cu	20	3	Ac	150	3	Ca	
	0800		S/S	12		11.5	83	78	ENE	5	1	0.7	4	Cu	20	3	Ac	150	2	Ca	
	1100		B/S	12		11.5	86	76	E	10	0	0.0	2	Cu	20	8	As	180			
	1400		B/S	12		10.2	85	75	ESE	10	8	1.3	3	Cu	20	7	As	180			
	1700		B/S	12	RW	10.2	83	75	E	11	5	0.0	3	Cb	20	7	Ac	180			RW B1658
	2000	E20	S/B	12	RW	11.5	76	74	E	9	3	1.3	9	Cu	20	4	Ac	180			RW- B 1758 E 1800
	2300	E20	O	10		12.2	78	75	Calm		2	0.7	10	Cu	20						RINGYO
BIRD DOG 3																					
BIRD DOG 4	0100		S/S			09.7	82	75	ENE	6	8	0.2	2	Cu	15	2	Ac	150			
	0400		S/S			09.7	82	77	NE	9	3	0.0	3	Cu	15	2	Ac	150			
	0700		S/S			10.6	83	75	ESE	4	3	0.9	2	Cu	15				2	Ca	
	1000		S/S			11.6	85	77	S	5	3	1.0	1	Cu	15				1	Ca	
	1300		S/S			10.3	87	76	S	4	8	1.3	2	Cu	15				1	Ci	
	1600		S/S			08.4	86	77	S	4	3	1.9	3	Cu	15				1	Ci	
	1900		S/S			10.2	82	76	S	4	3	1.8	2	Cu	15				2	Ca	
	2200		S/S			11.3	82	77	S	4	3	1.1	2	Cu	15				2	Ca	

SURFACE OBSERVATIONS — 20 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MID CLOUD	TYPE HIGH CLOUD	REMARKS
BROWN	0800		s/c	15		08.7	82	75	ENE	10	8	2.5	2	Cu	15	5	As	120			
	0900		s/c	15		08.6	80	75	ENE	11	5	0.1	2	Cu	10	6	As	120			
	0800		s/c	15		09.6	84	76	ESE	9	5	1.0	3	Cu	15	1	As	120	5	Cs	
	1100		s/c	15		09.6	89	77	ESE	10	2	0.0	3	Cu	15	1	As	120	2	Cs	RW- ENE
	1300		s/c	15		08.6	97	78	ESE	9	7	1.0	3	Cu	15	2	As	120	3	Cs	RW- SW
	1700		s/c	10		09.2	85	75	ESE	7	3	0.6	4	Cu	15	4	As	100	2	Cs	RW ALL QUADS
	2000		s/c	12		10.2	89	77	ESE	10	0	1.0	3	Cu	15	1	As	100	3	Cs	RW- R1600 R1700
	2300	W15	s/c	15		10.5	81	76	ESE	12	0	0.4	6	Cu	15				4	Cs	
ENIWETOK	0800		s/c	30		07.2	81	76	ENE	7	8	0.4	4	Cu	18				3	Cs	
	0900		s/c	30		07.1	81	75	ENE	7	6	0.1	5	Cu	18				6	Cs	
	0800		s/c	30		08.8	83	76	ENE	7	3	1.7	4	Cu	18	4	As		4	Cl	
	1100		s/c	25		08.6	86	76	NE	7	8	0.2	2	Cu	18	3	As		3	Cl	
	1400	W18	s/c	25		07.5	85	77	ENE	7	8	1.1	6	Cu	18	4	As		3	Cl	
	1700		s/c	25		06.6	86	77	ENE	7	6	0.9	3	Cu	18	8	As				
	2000		s/c	15		07.7	83	76	E	7	1	1.1	1	Cu	18	6	As				RW- R2015 R2020
	2300		s/c	15		09.0	82	76	ENE	7	3	1.3	3	Cu	18	3	As				
KWAJALEIN	0800		s/c	12		08.8	80	76	ESE	3	8	0.3	2	Cu	20	3	As	120	4	Cl	
	0900		s/c	12		07.1	80	76	SE	3	8	1.7	3	Cu	20	3	As	120	4	Cl	AS 120
	0800	W20	s/c	12		09.5	79	73	SW	7	4	2.4	6	Cu	20	4	As	120	6	Cl	
	1100		s/c	12		09.8	82	73	SW	3	1	0.3	4	Cu	20	4	As	120	3	Cl	
	1400		s/c	12		07.3	84	73	S	3	8	2.3	2	Cu	20	4	As	120	6	Cl	
	1700		s/c	12		08.3	82	73	S	6	6	1.0	2	Cu	20	6	As	120	8	Cl	
	2000	W20	s/c	12		09.8	80	74	ESE	10	3	1.3	8	Cu	20	6	As	120	9	Cl	
	2300		s/c	12		10.2	80	74	ESE	7	1	0.4	5	Cu	20	6	As	120	7	Cl	
MAJURO	0130		s/c	12		09.2	80	75	W	1	8	1.3	1	Cu	20	1	As				
	0430		s/c	12		08.6	81	75	W	4	5	0.6	3	Cu	20				1	Cs	
	0730		s	12		10.0	82	77	ENE	3	3	1.4	3	Cu	20						
	1030		s/c	12		10.1	84	77	ENE	4	3	0.1	2	Cu	20	1	As				
	1330		s/c	12		08.9	85	76	E	3	7	1.2	4	Cu	20	2	As		1		
	1630		s/c	12		08.6	85	75	E	4	6	0.3	4	Cu	20	2	As		2	Cs	
	1930		s/c	12		09.8	81	75	E	6	3	1.2	3	Cu	20	3	As				
	2230		s/c	12		10.6	80	75	E	4	0	0.8	3	Cu	20	6	As				
TARAWA	0000		s/c	10		10.3	79	76	W	13	1	0.7	2	Cu	20				2	Cl	
	0300		s/c	10		09.8	79	76	WSW	12	9	0.7	2	Cu	25				7	Cs	
	0600		s/c	10		08.3	79	75	E	10	6	1.3	2	Cu	25				1	Cs	
	0900		s/c	10		10.3	80	75	W	4	4	2.0	3	Cu	20	3	As	100			
	1200		sq	10	R-	10.8	77	75	ENE	13	1	0.3	6	Cu	20	4	As	70			
	1500		s/c	10		08.3	92	77	ENE	8	7	2.3	7	Cu	20	2	As	10			
	1800		s/c	6		08.8	81	75	ENE	7	4	0.3	6	Cb	20	1	As	160	2	Cs	
	2100		s	10		09.8	78	75	Calm		3	1.0	3	Cu	25						
WAKE	0000	W15	o	10	R-	10.3	78	74	E	3	8	1.7	10	Cu	15						
	0300	W20	s	12		09.3	79	73	ENE	4	8	1.0	8	Cu	20						
	0600		s/c	12		10.8	81	74	E	3	1	1.3	3	Cu	20	9	As	180			
	1100		s/c	12		11.3	82	75	ENE	3	1	0.7	3	Cu	20	9	As	180			
	1400		s/c	12		09.3	83	75	ESE	2	6	2.0	1	Cb	20	8	As				RW R1557 R1610
	1700	W20	s/c	12		09.3	79	73	E	4	3	0.0	6	Sc	80	8	As	150			20q
	2000	W20	s/c	10	RW	10.3	78	74	E	2	3	1.0	7	Sc	80	1	As	150			20q RW R1751 R2300
	2300	W20	o	12		11.9	76	73	ENE	3	3	1.4	10	Sc	80						20q
BIRD DOG 3	0300	W18	s/c	10		07.6	81	76	ENE	8	8	0.8	7	Cu	18	3	As	100			
	0600		s/c	12		08.3	81	74	E	8	3	0.7	4	Cu	18	1	As	100			
	0900	W18	s/c	12		09.3	82	73	E	9	3	1.0	6	Cu	18	1	As	100			
	1200	W18	s/c	12		08.6	85	75	E	8	9	0.7	6	Cu	18	2	As	100			
	1500	W18	s	12		07.3	83	75	E	7	6	1.1	9	Cu	18						
	1800	W18	s/c	12		09.4	83	75	E	11	6	1.9	6	Cu	18				3	Cs	
	2100		s/c	12		09.8	81	76	E	10	3	0.4	5	Cu	18				1	Cl	
	2400		s	12		09.3	81	76	E	8	0	0.3	3	Cu	18						
BIRD DOG 4	0100		s	15		09.7	82	75	Calm		8	1.4	3	Cu	15						
	0400		s	15		09.0	83	78	s	3	8	0.2	3	Cu	15						
	0700		s/c	15		09.8	85	79	ESE	4	3	0.4	2	Cu	15	3	As	150	3	Cl	
	1000		s/c	15		10.7	88	79	Calm		3	0.6	2	Cu	15	4	As	150	2	Cl	
	1300		s/c	15		09.4	86	82	SE	4	8	0.7	4	Cu	15	4	As	150	1	Cl	
	1600		s/c	15		08.2	85	82	WSW	4	8	0.7	3	Cu	15	3	As	150	1	Cl	
	1900		s/c	15		09.8	82	79	SE	10	3	1.6	3	Cu	15	3	As	150	2	Cs	
	2200		s/c	15		11.3	82	79	S	6	3	0.3	4	Cu	15	6	As	150			

SURFACE OBSERVATIONS — 21 JULY — 1946

STATION	TIME (L.M.T.)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY (LAST 3-HR. PRES. CHANGE)	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI																				
	0800		B/S	15		08.8	81	75	SE	12	8	1.8	4	Cu	15				6	Cs	
	0900		B/S	15		09.6	82	75	ESE	10	3	0.8	3	Cu	15	1	Ac	120	5	Cs	
	0900	E15	S/B	15		11.6	84	77	E	7	3	2.0	6	Cu	15	1	Ac	100	8	Cs	
	1100	E15	S/B	15		11.8	87	77	SE	20	9	0.4	6	Cu	15	1	Ac	100	2	Cs	
	1400		S/S	15		09.9	86	75	ESE	16			4	Cb	15	3	Ac	120	1	Cs	RW- B1125 E1200
	1700		S/S	15		10.0	87	76	ESE	14	4	0.1	3	Cu	15	3	Ac	120	2	Cs	
	2000		S/S	15		11.8	83	76	SE	8	3	1.5	3	Cu	15	1	Ac	120			
	2300		S	15		12.1	82	76	ENE	8	0	0.6	3	Cu	15						
ENIWETOK																				
	0200	E18	S/B	15		07.8	81	78	SE	7	8	1.2	6	Cu	18	3	Ac	100			
	0500		S/S	15		07.7	81	78	S	7	1	0.1	6	Cu	18				4	Cs	
	0800	E18	S/B	15		08.8	88	76	SSW	7	3	0.5	6	Cu	18	3	Ac	100	5	Ci	
	1100		B/S	20		07.8	94	77	S	7	8	0.4	4	Cu	18				6	Ci	
	1400		B/S	20		07.2	84	77	S	7	8	0.6	6	Cu	18	6	As	100	3	Ci	
	1700		B/S	20		01.7	86	76	SSW	8	5	5.5	4	Cu	18	2	As	100	6	Ci	
	2000	E18	B/S	12		09.2	82	77	S	7	1	6.5	7	Cu	18	2	As	100	5	Ci	
	2300		S/S	15		09.0	82	77	SE	8	3	0.8	3	Cu	18	4	As	100			
KWAJALEIN																				
	0200		B/S	12		08.8	80	76	SSE	10	8	0.3	3	Cu	20	7	As	120	6	Ci	
	0500		S/	12		07.8	[illegible]	75	SSE	5	5	1.0							3	Ci	
	0800		B/S	12		08.8	93	75	SSE	6	3	1.0	2	Cu	20				6	Ci	
	1100		S/S	12		08.8	87	78	SSE	8	4	0.0	4	Cu	20				4	Ci	
	1400		S/S	12		06.8	89	77	SE	10	8	2.0	3	Cu	20				1	Ci	
	1700		S/S	12		07.8	88	77	SE	7	1	1.0	4	Cu	20				4	Ci	
	2000		S/S	12		09.8	82	76	ESE	6	3	2.0	4	Cu	20				2	Ci	
	2300		S/	12		10.8	82	75	ESE	7	1	0.4							1	Ci	
MAJURO																				
	0130		S/S	12		09.3	79	75	S	1	8	1.3	2	Cu	20	2	As				
	0430		S	12		08.6	77	76	S	2	7	0.7	1	Cu	20						
	0730		S/S	12		10.1	84	77	NE	6	2	1.5	2	Cu	20	1	As				
	1030		S/S	12		10.3	85	77	E	5	0	0.2	2	Cu	20	1	As				
	1330	E25	S/B	12		08.5	86	75	E	6	8	1.8	6	Cu	25				2	Cs	
	1630		B/S	12		08.5	84	74	NE	8	4	0.0	2	Cu	20	7	As		1	Cs	
	1930		S/S	12		09.8	81	74	NE	4	1	1.3	2	Cu	20	2	As				R B1130 E2145
	2230		S/S	12		10.1	79	75	NE	4	3	0.3	2	Cu	20	2	As				
TARAWA																				
	0000		S	10		10.8	78	77	CALM		5	0.7	3	Cu	25						
	0300		S	10		09.8	77	75	W	3	8	1.0	2	Cu	25						
	0600		S	10		09.8	78	74	W	4	6	0.0	4	Cu	25						
	0900		S/S	10		10.5	81	77	SW	15	3	0.7	5	Cu	40	2	Ac	160	2	Ci	
	1200	E20	S/B	10		10.5	82	76	NW	7	9	0.0	6	Sc	30	2	Ac	160	1	Ci	
	1500		B/S	10		08.5	92	76	WSW	4	9	2.0	2	Cu	30	6	As	130			
	1800		B/S	10		08.8	81	75	WSW	4	4	0.3	2	Cu	20	8	As	120			
	2100		B/S	10		10.5	78	76	WNW	5	1	1.7	2	Cu	20	6	As	120			
WAKE																				
	0200	E20	O	12	R-	10.8	75	72	E	7	7	1.1	10	Sc	30						30 O
	0500	E20	O	12		10.6	76	78	SSW	7	3	0.0	10	Sc	30						30 O
	0800		B/S	12		11.5	77	73	SE	5	3	0.7	2	Sc	30	8	As	140			20 O
	1100		B/S	12		10.6	83	74	ESE	5	7	0.7	3	Cu	20	7	As	140			
	1400		B/S	12		10.8	83	73	SE	6	8	0.7	3	Cu	20	8	As	180			
	1700		B/S	12		09.8	82	74	SSW	9	6	0.4	4	Cu	30	8	As	180			
	2000		B/S	12		10.5	80	73	SE	10	4	0.7	1	Cb	30	9	As	180			
	2300		B/S	12		10.8	80	73	SE	8	3	0.3	1	Cu	20	6	As	180			
BIRD DOG 3																				
	0300		S	12		08.2	81	76	E	13	6	1.0	4	Cu	18						
	0600		S	12		08.6	80	74	E	13	4	0.4	4	Cu	18						
	0900		S/S	12		09.6	82	74	E	12	3	1.0	2	Cu	18	5	As	100	1	Ci	
	1200		S/S	12		10.2	82	71	E	12	3	0.6	3	Cu	18	4	As	100	1	Ci	
	1500	E20	S/S	12		08.8	84	69	E	16	8	1.7	1	Cu	18	6	As	100	1	Ci	
	1800	E20	S/S	12		09.1	81	74	E	16	3	0.6	1	Cu	18	7	As	100	1	Ci	
	2100	E20	S/S	12		10.5	80	73	E	16	3	1.4	1	Cu	18	7	As	100	1	Ci	
	2400		S/S	12		10.9	80	73	E	16	2	0.4	1	Cu	18	4	As	100	1	Ci	
BIRD DOG 4																				
	0100		B/S	15		10.3	82	79	SW	10	8	0.9	2	Cu	15	6	Ac	150			
	0400		B/S	15		09.0	80	79	SW	10	8	1.3	3	Cu	15	7	Ac	150			
	0700		S/S	15		09.9	85	78	N	7	3	0.5	1	Cu	15	3	Ac	150	1	Ci	
	1000		S/S	15		09.4	88	76	NW	7	6	0.1	1	Cu	15				4	Ci	
	1300		B/S	15		09.1	87	77	SW	8	8	0.3	2	Cu	15	5	Ac	150	1	Ci	
	1600		S/S	15		08.1	85	77	W	12	8	1.0	4	Cu	15	2	Ac	150	2	Ci	
	1900		S/S	15		08.2	83	77	W	16	3	0.1	4	Cu	15	2	Ac	150	1	Ci	
	2200		S/S	15		09.0	80	77	W	12	3	0.8	5	Cu	15	3	Ac	150			

SURFACE OBSERVATIONS — 22 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 8-TH. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
EBON	0800		8	15		11.4	82	76	E	9	7	1.1	2	Cu	15						
	0900		8/8	15		11.4	82	75	E	6	2	0.2	3	Cu	15	6	As	120			
	0958		8/8	15	RW-	12.6	84	76	ENE	15	5	1.0	4	Cu	15	5	As	140	1	Cu	NO CHNGE TO VRBY RW-B0800
	1100		8/8	15		11.7	85	76	E	19	9	0.9	5	Cu	15	1	As	140	1	Cu	RW CU
	1400	K15	8/8	15		09.5	84	76	E	15	8	2.2	6	Cu	15				2	Cu	
	1700		8/8	15		09.5	85	77	E	16	4	0.0	3	Cu	15				7	Cu	
	2000		8/8	15		11.5	82	76	E	20	5	1.0	5	Cu	15				6	Cu	OCNL LTNG To W RW-B1923 E1930
	2400	K15	8	15		11.6	80	77	E	28	0	0.1	7	Cu	15						CHNTR TO SE RW: B2245 E2245
ENIWETOK	0800	K15	8/8	25		07.0	82	78	ESE	7	8	0.4	6	Cu	18	2	As	100			
	0900	K15	8/8	25		07.5	81	75	E	10	7	0.5	6	Cu	18				3	Ci	
	0800		8/8	20		08.2	80	77	ESE	8	3	1.7	4	Cu	18	8	As	100	4	Ci	
	1100		8/8	20		09.4	83	76	ENE	8	8	0.2	3	Cu	18	7	As	100	4	Ci	
	1400		8/8	20		08.4	84	77	ENE	8	8	1.0	4	Cu	18	-	-	-	8	Ca	
	1700		8/8	20		07.8	82	75	ESE	8	6	0.6	3	Cu	18	7	As	100	5	Ca	
	2000		8/8	15		09.2	82	78	ESE	8	3	1.4	3	Cu	18	6	As	100			
	2300		8/8	15		10.5	82	78	ESE	9	3	1.3	3	Cu	18	6	As	100			
KWAJALEIN	0800		8/8	12		09.1	81	74	ENE	9	0	0.4	3	Cu	20	1	As	120	1	Ci	
	0900		8/8	12	RW-	08.8	79	74	ESE	8	5	0.3	3	Cu	20	8	As	120			
	0800		8/8	12		10.2	80	75	ENE	7	3	1.4	3	Cu	20	2	As	120	2	Ci	
	1100		8/8	12		10.8	87	75	ESE	8	4	0.6	3	Cu	20	2	As	120	4	Ci	
	1400		8/8	12		09.5	86	75	ESE	15	8	1.3	5	Cu	20	2	As	120	6	Ci	
	1700	K20	8/8	12	RW-	08.5	85	74	E	10	6	1.0	8	Cu	20	2	As	120	9	Ci	
	2000		8/8	12		09.5	81	74	ESE	9	3	1.0	4	Cu	20	3	As	120	8	Ci	
	2300	K20	8/8	12		10.6	81	74	E	6	-	1.3	8	Cu	20	4	As	120	10	Ci	
MAJURO	0830		8/8	12		08.0	81	75	ESE	6	7	1.1	5	Sc	20	6	As/Ns				R - B0401 B0503
	0830	K20	8/8	10	R-	09.7	81	77	E	9	2	0.7	6	Sc	20	4	As				R - B0503 B0630
	0730	K30	8/8	5	R-	10.3	77	76	ENE	3	0	1.0	2	Sc	18	8	As				R - B0630 B0850
	1050	K20	8/8	8		10.9	79	75	E	6	2	0.2	2	Sc	18	8	As	80			RW - B2230
	1350	K20	8/8	12		09.5	84	76	E	12	7	1.4	2	Cu	20	7	As	80			R - B2400
	1650		8/8	12		08.0	84	77	E	3	8	1.5	2	Cu	20	3	As				
	1950		8/8	12		10.1	81	78	E	3	3	2.1	3	Cu	20	3	As				
	2250		8/8	12	RW-	10.7	80	77	E	4	1	0.6	5	Cu	20	3	As				
TARAWA	0000		8/8	10		10.5	78	77	Calm		0	0.0	2	Cu	20	10	As	100			
	0300	K20	8	10	R-	09.8	78	77	NW	7	9	0.7				10	As	80			
	0600	K40	8	10		10.3	79	76	N	2	4	1.3	9	Cu							
	0900	K25	8	10		10.8	76	75	Calm		1	0.3	10	Cb	25						
	1200		8/8	10		11.2	83	79	Calm		0	1.6	4	Cu	20	3	As	160			
	1500	K20	8/8	10		09.8	81	75	NW	3	8	1.4	8	Cb	20	1	As	160			
	1800	K20	8/8	10		09.8	81	75	Calm		6	0.0	6	Cu	20	4	As	160			
	2100	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WAKE	0800		8/8	12		09.8	80	76	ENE	8	9	1.0	2	Cu	20	8	As	15			R B0400 R- B0600
	0900	K20	8/8	6	R	09.6	75	72	E	10	4	0.0	8	Ns	80	8	As	15			20 SCTD RWT B0630 R- B0645
	0800	K30	0/8	10	R-	12.2	78	73	WSW	3	3	2.4	6	Ns	30	10	As	15			20 SCTD R- 0700 R B0735
	1100	K5	0	1/2	R	12.9	73	73	WSW	3	1	0.7	10	Ns	5						R B0800 R/ B0900 R B1000
	1400	F10	0	2	R	11.5	75	74	E	3	7	1.4	10	Ns	10						R B1100 R- B1127 R- B1200
	1700	K15	0s	8	R-	11.2	77	74	E	3	3	0.3	7	Sc	15	10	Ac	60			R B1300 R 1500
	2000	K60	0s	12		12.9	77	73	ESE	4	3	1.7	5	Sc	15	10	As	60			R- B 1550 E1800
	2300	K6	0	10		13.5	76	73	ESE	20	1	1.6	10	Ns	6						
BIRD DOG 3	0900		8/8	12		09.6	80	73	E	12	5	0.6	4	Cu	18	1	As	100			
	0600		8/8	12		08.5	80	73	E	14	3	0.1	4	Cu	18	2	As	100			
	1000		8/8	12		10.9	89	75	E	13	3	1.4	5	Cu	18	4	As	100			
	1300	K18	8/8	12		10.7	82	75	E	16	9	0.2	6	Cu	18	5	As	100			
	1500	K18	8/8	12	RW	09.7	84	77	E	12	8	1.0	6	Cu	18	5	As	100			
	1800		8/8	12		09.6	82	78	E	14	2	0.1	3	Cu	18	2	As	100			
	2100		8	12		11.5	80	76	E	14	3	1.9	4	Cu	18						
	2400		8	12		11.5	81	76	E	14	2	0.0	4	Cu	18						
BIRD DOG 4	0100		8/8	12		07.7	82	77	W	8	8	1.4	2	Cu	15	4	As	150			
	0400		8/8	10		06.5	82	77	ENE	12	8	1.2	1	Cu	15	8	As	150			
	0700		8/8	10		07.5	83	77	W	13	3	1.0	3	Cu	15	7	As	150			
	1000		8/8	8		07.6	86	77	NW	14	2	0.1	3	Cu	15	2	As	150			
	1300	K15	8/8	7		06.1	85	77	E	10	8	1.3	6	Cu	15	3	As	150			
	1600	K15	8/8	8		05.0	84	77	WNW	15	8	1.1	6	Cu	15	4	As	150			
	1900		8/8	9		05.8	84	77	W	15	8	1.2	3	Cu	15	6	As	150			
	2200		8/8	4		05.8	82	78	W	23	0	0.0	3	Cu	15	6	As	150			

SURFACE OBSERVATIONS 23 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/S	15	RW-	10.1	81	77	ENE	10	8	1.5	3	Cu	15	4	Ac	150			RW - B 0000 ± 0100 RW-B0200 ±0400
	0500	±15	B/S	15		10.1	78	73	±NE	19	4	0.0	5	Cu	15	4	Ac	100			RWRW RW-
	0800	±15	O/B	10		11.6	79	78	±NE	15	3	1.5	6	Sd	15	4	As	90			RW ALL QUADS RW B0650 ± 0800
	1100		B/S	15		11.5	85	77	±NE	11	2	0.2	2	Cu	15	2	Ac	120	6	Cs	RW IN SIGHT
	1400		B/S	15		10.0	91	75	SE	4	8	1.3	2	Cu	15	3	Ac	120	2	Cs	RW - B 1300 ± 1305
	1700		S/S	15		09.4	86	78	SE	14	7	0.6	4	Cu	15	2	Ac	120	3	Cs	
	2000		S/S	15		11.1	83	76	SE	3	3	1.7	2	Cu	15	2	Ac	140	1	Cs	LTNG TO W
	2300		S/S	15		11.0	82	77	SE	3	1	0.8	2	Cu	15				2	Cs	LGHT LTNG
ENIWETOK	0200		S/S	20		09.3	82	78	SE	9	7	1.2	5	Cu	18	3	As	10			RW - B 0306 ± 0317
	0500		B/S	15		09.1	82	78	SE	8	5	0.2	4	Cu	18	7	As	10			
	0800		B/S	25		10.0	82	79	±SE	12	1	0.0	4	Cu	18	-	-	-	6	Ci	
	1100		B/S	25		10.0	84	77	±SE	12	0	0.0	5	Cu	18	-	-	-	7	Ci	RW - B 1148 ± 1156
	1400		S/S	25		08.5	84	77	±SE	13	8	1.5	4	Cu	18	-	-	-	4	Ci	
	1700		S/S	25		07.8	84	76	±SE	8	6	0.7	1	Cu	18	-	-	-	4	Ci	RW - B 1854 ± 1904
	2000	±18	B	20		09.7	83	78	±	8	3	0.9	6	Cu	18						
	2300		S	20		10.[illegible]	82	78	±SE	7	1	1.3	3	Cu	18						
KWAJALEIN	0200		O/S	12		10.5	79	74	ENE	4	7	0.2	4	Cu	20	10	As	120			
	0500		B/	12		09.5	80	74	±NE	5	7	1.0				7	As	120	2	Ci	
	0800		B/S	12		10.8	81	75	±NE	8	4	1.5	2	Cu	20	5	Ac	120	6	Ci	
	1100		O/S	12	R-	09.8	91	74	±NE	6	2	1.0	3	Cu	20	10	As	120			
	1400		B/S	12		07.1	87	77	±NE	10	2	2.8	5	Cu	20	2	As	120	6	Ci	
	1700		B/S	12		08.1	84	76	±NE	10	1	1.0	4	Cu	20	3	As	120	8	Ci	
	2000		S/S	12		08.5	80	77	±NE	10	1	0.4	3	Cu	20	4	As	120			
	2300		S/S	12		08.8	80	77	SE	10	2	0.3	2	Cu	20	3	As	120			
MAJURO	0130		B/S	8		09.0	78	75	SW	4	3	1.7	3	Cu	20	6	Ac				R - B 0000
	0430		B/S	12		09.4	79	76	SW	3	4	0.4	3	Sc	20	6	As				
	0730		S/S	12		11.1	81	77	NW	8	3	1.7	2	Cu	20	4	As				
	1030	±20	B	12		10.7	85	78	NW	4	0	0.4	7	Cu	20						
	1330		S/S	12		09.0	84	76	±	4	8	1.7	5	Cu	20	2	As				
	1630		S/S	12		09.0	84	76	±SE	6	4	0.0	4	Cu	20	5	As				
	1930		S/S	12		10.2	80	75	S	3	1	1.2	3	Sc	20	2	As				
	2230		S/S	12		10.[illegible]	79	74	±	12	0	0.7	3	Cu	20	4	As				
TARAWA	0000	±20	B/S	10		10.8	77	74	NW	6	0	0.3	2	Cu	25	9	Ag	30			
	0300		S/S	10		10.2	76	74	Calm		8	0.6	2	Cu	20	2	Ac	100			
	0600		S/	10		10.2	76	73	Calm		4	0.0	-	-	-	-	-	-	3	Cs	
	0900		S/S	10		10.5	80	77	Calm		1	0.3	1	Cu	20	2	Ac	160	1	Cs	
	1200		S/S	10		11.2	84	79	SE	5	0	0.7	5	Cu	22				2	Ci	
	1500		S	10		09.[illegible]	87	78	SE	2	8	1.7	5	Cu	20						
	1800		S/S	10		09.1	84	77	SE	6	6	0.4	4	Cu	20				1	Ci	
	2100		S	10		11.2	79	76	ENE	5	3	2.1	1	Cu	20						
WAKE	0200	±6	O	4	R	12.0	77	73	SSE	15	6	0.6	10	Ns	6						
	0500	±7	OB	10		11.9	78	74	SSE	10	5	1.0	7	Sc	7	10	As	60			RW - B 0610
	0800		B/S	12		19.2	80	76	S	9	3	1.7	2	Cu	20	9	As	90			
	1100		B/S	12		13.2	84	77	±E	10	2	1.0	2	Cu	20	6	As	12	2	Cs	
	1400		B/S	12		12.2	85	72	S	9	7	1.0	2	Cu	20	7	As	15	3	Cs	RW - B 1150 ± 1159
	1700		B/S	12		12.3	83	76	Sc	9	3	0.0	4	Cu	20	7	As	14	2	Ci	
	2000		B/S	12		13.5	81	74	SE	10	3	1.3	3	Cu	20	8	As	15	2	Ci	
	2300		B/S	12		14.2	81	75	ESE	9	2	0.7	2	Cu	20	6	As	15			
BIRD DOG 3	0300		S	12		10.0	80	76	±	14	6	0.2	3	Cu	18						
	0600		S/S	10		10.7	79	75	±	14	3	0.7	3	Cu	18	3	As	100			
	0200		S	12		12.2	85	75	±	16	3	1.5	3	Cu	18						
	1200	±18	B	8	RW	11.0	80	76	±	10	9	1.2	6	Cu	18						
	1500		S	12		10.0	85	75	±	9	8	1.0	3	Cu	18						
	1800		S	12		10.4	82	75	±	9	3	0.4	3	Cu	18						
	2100		S	12		11.4	80	75	±	9	3	1.0	3	Cu	18						
	2400		S	12		11.3	80	73	±	14	0	0.1	3	Cu	18						
BIRD DOG 4																					

SURFACE OBSERVATIONS — 24 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	BOV	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE H'GH CLOUD	REMARKS
BIKINI	0800		s/s	10		10.1	82	75	NE	5	7	1.8	2	Cu	15				3	Cu	RW - B0125 E0200
	0900		s/s	15		09.6	81	74	ENE	5	8	0.5	2	Cu	10	1	As	120			
	0800		s/s	15		11.0	84	77	ENE	6	1	1.4	2	Cu	15				1	Cu	
	1100		s/s	15		11.0	86	78	ENE	8	5	0.0	3	Cu	15				2	Cu	
	1400		s/s	15		08.9	95	74	NE	9	8	2.1	3	Cu	15				2	Cu	RW IN AREA
	1700		s/s	15		09.1	84	76	ENE	5	4	0.2	3	Cu	15				2	Cl	
	2000		s/s	15	RW-	11.0	84	76	ENE	5	3	1.9	3	Cu	15				2	Cl	RW - B2000 E2100
	2300		s/s	15		11.4	82	76	ENE	7	0	0.4	2	Cu	15				2	Cl	
ENIWETOK	0800	K16	o	12		09.4	79	78	ENE	10	8	1.3	10	Sc	16						RW- E0029 E0044 RW-B1636 E1710
	0500	K16	s/s	6	RW-	08.2	80	77	ENE	8	8	1.2	6	Cu	16	7	As	100			RW- B0110 E0147
	0800	K16	s/s	6		09.7	78	75	ENE	10	3	1.3	6	Sc	16	5	As	100			RW- B0202 E0206
	1100	K16	s	5		10.4	80	75	ENE	14	0	0.7	9	Sc	16						RW- B0454 E0515
	1400	K18	s	6		10.3	83	76	ENE	9	3	0.1	8	Sc	18						RW- B0509 E0543
	1700	K16	o	6	RW	08.1	80	77	SW	8	8	2.4	10	Cu	16						RW- B0651 E0658
	2000		s/s	15		09.5	80	77	W	8	3	1.4	4	Cu	18	9	As	100			RW- B0927 E0948
	2300		s/s	15		10.3	79	77	E	8	1	1.0	4	Cu	18	8	As	100			RW- B1545 E1613
KWAJALEIN	0800		s/s	12		08.8	81	75	SE	15	8	0.4	2	Cu	20	3	As	120			
	0700		s	12		08.1	81	75	SE	17	8	0.7	2	Cu	20						
	0800		s/s	12		09.8	84	75	SE	13	3	1.7	3	Cu	20				7	Cl	
	1100		s/s	12		10.2	87	75	SE	13	4	0.4	3	Cu	20				2	Cl	
	1400		s/s	12		08.1	89	75	SE	13	8	2.7	3	Cu	20	1	As	120	1	Cl	
	1700		s/s	12		08.1	86	76	SSE	9	6	0.0	4	Cu	20	1	As	120			
	2000		s	12		09.5	82	76	S	8	1	1.4	3	Cu	20						
	2300		s/s	12		10.5	81	75	S	5	1	1.0	4	Cu	20	2	As	120			
MAJURO	0150		s/s	12		09.4	82	77	E	10	8	1.5	2	Cu	20	1	As				RW- B0435 E0445
	0450		s/s	12		09.5	81	75	ENE	16	6	0.1	3	Cu	20	1	As				R B0505 E0538
	0750		s/s	12		11.3	82	75	SE	6	3	1.8	3	Cu	20	4	As				R- B0650
	1050		s	12		10.7	84	76	SE	8	9	0.6	4	Cu	20						
	1350		s	12		08.5	86	76	SSE	7	8	2.2	3	Cu	20						
	1650		s	12		08.4	82	75	SE	4	3	0.1	3	Cu	20						
	1950		s	12		09.9	81	75	S	1	4	1.5	2	Cu	20						
	2250	K20	s	12		10.8	80	76	S	1	3	0.9	8	Cu	20						
TARAWA	0000		s	10		11.2	79	76	SE	7	0	0.0	1	Cu	20						
	0300		s/s	10		10.2	78	73	E	6	8	1.0	1	Cu	20				1	Cl	
	0600		s	10		09.1	78	73	E	6	6	1.1	2	Cu	25						
	0900		s	10		11.2	83	77	ENE	5	3	2.1	3	Cu	25						
	1200		s	10		10.8	89	80	ENE	7	9	1.4	5	Cu	22						
	1500		s	10		08.5	84	79	SE	11	8	2.3	4	Cu	25						
	1800		s/s	10		08.1	86	76	Calm		6	0.4	3	Cu	25				3	Cl	
	2100		s	10		09.8	81	75	SE	2	3	1.7	3	Cu	25						
WAKE	0800		s/s	12		13.2	80	75	E	10	8	1.0	3	Cu	20	6	As	15			
	0700		s/s	12		12.5	80	77	ENE	9	6	0.7	3	Cu	20	6	As	15			
	0900		s/s	12		13.2	82	77	ENE	9	2	0.7	2	Cu	20	7	As	15			
	1100		s/s	12		12.9	89	78	ENE	8	9	0.3	2	Cu	20	6	As	15			
	1400		s/s	12		12.2	85	74	ENE	2	5	0.7	2	Cu	20	8	As	15			
	1700		s/s	12		11.5	83	75	ENE	2	8	0.7	1	Cb	20	9	As	15			
	2000		o/s	12		12.2	81	75	E	3	4	0.3	1	Cu	20	10	As	15			
	2300		o/s	12		13.2	81	75	ENE	3	1	1.0	1	Cu	20	10	As	15			
BIRD DOG 3	0300		s	12		09.3	80	72	E	12	6	0.7	2	Cu	18						
	0600		s	12		10.0	80	73	E	10	3	0.1	1	Cu	18						
	0900		s	12		11.4	85	79	E	12	3	1.4	4	Cu	18						
	1200		s	12		10.6	84	76	E	10	9	0.8	3	Cu	18						
	1500		s	12		08.5	86	74	E	10	8	2.1	3	Cu	18						
	1800		s	12		08.4	81	74	E	12	6	0.1	3	Cu	18						
	2100		s	12		10.5	80	73	E	10	3	2.1	3	Cu	18						
	2400		s	12		10.8	80	73	E	10	8	0.3	3	Cu	18						
BIRD DOG 4																					

SURFACE OBSERVATIONS — 25 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 + MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	HGT 2-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0000	S/S	15			11.1	82	77	SSW	3			2	Cu	15				1	Cs	
	0100	S/S	15			10.6	83	78	SW	3			2	Cu	15				2	Cs	
	0125	S/S	6	RW-		10.4	83	78	WSW	6			2	Cu	15				2	Cs	
	0200	S/S	10			10.1	82	75	SW	5	7	1.0	2	Cu	15				2	Cs	
	0300	S	15			09.7	82	75	SW	5			2	Cu	15						
	0400	S/S	15			09.8	81	74	SSW	5			2	Cu	15	1	Ac	120			
	0500	S/S	15			09.6	81	74	WSW	5	8	0.5	2	Cu	15	1	As	120			
	0600	S/S	15			10.2	82	77	SSW	7			2	Cu	15	2	As	120	2	Cs	
ENIWETOK	0700	S/S	15			10.7	82	77	SW	7			3	Cu	15				2	Cs	
	0800	S/S	15			11.0	84	77	SSW	6	1	1.4	2	Cu	15				1	Cs	
	0900	S/S	15			11.0	89	77	SSW	8			3	Cu	15				1	Cs	
	1000	S/S	15			11.0	86	78	SSW	6			4	Cu	15				2	Cs	
	1100	S/S	15			11.0	86	78	SSW	8	3	0.0	3	Cu	15				2	Cs	RW IN VICINITY
	1200	S	15			10.5	88	76	SSW	8			4	Cu	15						RW - TO W
	1300	S	15			09.9	82	77	SW	6			4	Cu	15						
	1400	S/S	15			08.9	75	74	SSE	2	8	2.1	3	Cu	15				2	Cs	RW IN AREA
KWAJALEIN	1500	S/S	15			08.5	81	76	SW	8			3	Cu	15				2	Cs	RW IN AREA
	1600	S/S	15			08.6	83	76	SW	8			3	Cu	15				2	Cs	RW IN AREA
	1700	S/S	15			09.1	84	76	SSW	5	4	0.2	3	Cu	15				2	Ci	
	1800	S/S	15			09.8	84	76	SW	6			3	Cu	15				2	Ci	RW - IN AREA
	1900	S/S	15			10.5	84	76	SSW	4			3	Cu	15				2	Ci	RW - IN AREA
	2000	S/S	15	RW-		11.0	84	76	SSW	5	3	1.9	3	Cu	15				3	Ci	
	2100	S/S	15			11.4	84	76	SSW	6			3	Cu	15				2	Ci	RW - IN AREA
	2200	S/S	15			11.7	83	76	SSW	8			3	Cu	15				2	Ci	
MAJURO	2300	S/S	15			11.4	82	76	SSW	7	0	0.4	2	Cu	15				2	Ci	
TARAWA																					
WAKE																					
BIRD DOG 3																					
BIRD DOG 4																					

SURFACE OBSERVATIONS — 25 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		8	15		09.8	80	76	SSW	3	8	1.6	2	Cu	15				3	Cs	RW - B 0235 A 0240
	0500		8/8	15		09.7	81	75	S	6	6	0.1	2	Cu	15				3	Cs	
	0800		8/8	15		11.8	84	77	SSW	3	3	2.1	3	Cu	15				6	Cs	
	1100		8/8	15		12.8	86	76	S	3	3	0.4	4	Cu	15	2	Ac	120	2	Cs	
	1400	K15	8/8	15	RW-	10.4	90	76	Calm		7	1.8	6	Cu	15				3	Cs	RW - B 1230 RW - B 1400 A 1500
	1700		8/8	15		09.6	93	76	S	4	5	0.8	1	Cu	15				7	Cs	
	2000		8/8	15		11.5	84	76	S	7	3	1.9	1	Cu	15				7	Cs	
	2300		8/	15		11.8	84	76	S	10	2	0.3							7	Cs	
ENIWETOK	0200		8	20		08.9	80	77	S	9	8	1.6	4	Cu	18						
	0500		8/8	20		07.8	80	76	SE	9	8	1.1	4	Cu	18	-	-	-	3	Cs	RW- B 0503 A 0515
	0800	K18	8/8	20		09.3	81	77	SE	8	3	1.5	6	Cu	18	-	-	-	7	Cs	RW- B 1852 A 1915
	1100		8/8	20		09.5	82	76	S	8	1	0.2	4	Cu	18	-	-	-	5	Ci	
	1400	K18	8/8	20		07.9	84	77	SSE	8	8	1.6	6	Cu	18	-	-	-	6	Ci	
	1700		8/8	20		07.1	85	77	S	8	6	0.8	4	Cu	18	-	-	-	1	Ci	
	2000	K18	8/8	15		08.9	80	77	S	9	3	1.8	8	Cu	18	2	Ac	100			
	2300		8	20		10.4	82	76	S	6	3	1.5	3	Cu	18						
KWAJALEIN	0200		8/	12		10.3	80	74	S	4	8	0.2							1	Ci	
	0500		8/8	12		08.8	78	73	S	4	5	1.4	4	Cu	20	4	As	120			
	0800	K20	8/8	12		10.2	80	74	NNW	2	3	1.4	6	Cu	20	2	As	120	1	Ci	
	1100		8/8	12		10.5	86	76		Calm	0	0.3	3	Cu	20				1	Ci	
	1400		8/8	12		07.5	87	74	SSE	4	-	3.0	4	Cu	20	1	As	120			
	1700		8/8	12		08.1	85	75	NW	5	3	0.6	3	Cu	20	4	As	120			
	2000		8	12		09.8	81	73		Calm	1	1.7	3	Cu	20						
	2300		8/8	12		10.8	80	74	NE	2	-	1.0	3	Cu	20	1	As	120			
MAJURO	0130		8/8	12		09.5	80	76	N	3	8	1.3	4	Sc	20	1	As				
	0430		8/8	12		09.3	79	75	N	4	5	0.2	4	Sc	20	5	As				
	0730		8/8	12		11.1	83	76	N	4	3	1.8	1	Cu	20	4	As		2	Cs	
	1030		8/8	12		10.8	86	76	N	5	9	0.9	3	Cu	20	2	As		3	Cs	RW - B 1039 A 0214
	1330	K20	8/8	8		08.6	87	78	N	10	6	1.6	7	Cu	20	1	As				RW - B 0232 A 0244
	1630		8/8	12		08.0	85	78	N	10	2	0.6	2	Cu	20	7	As				
	1930		8/8	12		09.6	82	78	N	5	3	1.6	4	Cu	20	5	As				
	2230		8/8	12		10.3	81	79	NE	8	0	0.7	3	Cu	20	6	As				
TARAWA	0000		8	10		10.5	79	75	Calm		3	0.7	3	Cu	25						
	0300		8	10		08.3	80	76	Calm		8	2.0	3	Cu	25						
	0600		8	10		09.3	78	76	Calm		4	1.0	3	Cu	25						
	0900	K25	8	10		10.5	81	75	Calm		3	1.0	6	Cu	25						
	1200	K20	0	10		11.2	81	73	Calm		1	0.7	10	Cb	20						
	1500	K20	8/8	10		08.8	80	76	Calm		8	2.4	6	Sc	20	4	As	150			
	1800	K25	0	10		09.1	76	73	NW	9	4	0.3	10	Cb	25						
	2100	K20	0	10		11.2	76	73	Calm		3	2.1	10	Sc	25						
WAKE	0200		8/8	12		11.5	80	74	SSE	5	8	1.7	1	Cu	20	5	As	15			
	0500		8/8	12		09.8	80	74	S	5	8	1.7	3	Cu	20	8	As	15			
	0800		0/8	12		10.8	82	74	S	11	1	1.0	2	Cu	20	10	As	15			BINOVD
	1100		0/8	12		10.5	83	75	S	5	6	0.3	5	Cu	20	10	As	15			
	1400		8/8	12		08.8	84	74	S	12	8	1.7	4	Cu	20	9	As	15			
	1700		0/8	12		08.8	82	77	S	8	4	0.0	3	Cu	20	10	As	15			RW - B 1735 A 1758
	2000	K20	0/8	10	RW-	08.8	79	78	S	8	2	0.0	8	Sc	20	10	As	15			RW B 2000
	2300	K20	0	12		10.3	78	76	SSW	10	1	1.4	10	Sc	20						
RED DOG 3	0300		8	12		09.3	81	76	E	14	8	0.6	4	Cu	18						
	0600		8	12		09.5	81	76	E	10	2	0.3	3	Cu	18						
	0200		8	12		10.7	82	77	E	13	3	1.2	3	Cu	18						
	1200		8	12		10.3	84	79	E	14	9	0.4	4	Cu	18						
	1500		8/8	12		07.9	86	78	E	12	8	2.4	5	Cu	18	1	Ac	100			
	1800		8	8	RW	08.5	83	76	E	12	3	0.6	5	Cu	18						
	2100		8	12		09.9	81	77	E	14	5	1.4	4	Cu	18						
	2400		8	12		10.5	80	77	E	14	3	0.6	4	Cu	18						
RED DOG 4																					

SURFACE OBSERVATIONS 26 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S/	15		09.4	82	77	ESE	9	8 2.4							5	Cs	
	0500		S/S	15		09.6	81	71	E	9	2 0.8	1	Cu	15	1	Ac	100	5	Cs	
	0800		B/S	15		11.4	84	76	E	8	3 1.8	3	Cu	15				6	Cs	
	1100		B/S	15		11.6	86	76	E	11	0 0.2	3	Cu	15				6	Cs	
	1400		B/S	15		09.9	93	75	E	11	8 1.7	3	Cu	15				6	Cs	
	1700		B/S	15		09.6	86	74	E	8	5 0.3	2	Cu	15	1	Ac	140	6	Cs	
	2000		S/S	15		11.0	82	74	NE	5	3 1.4	2	Cu	15				4	Cs	
	2300		S	15		11.4	83	75	ENE	7	0 0.4	2	Cu	15						
ENIWETOK	0200		S/S	20		08.8	82	76	S	6	8 1.6	3	Cu	18	-	-	-	2	Cs	
	0500		S/S	20		08.1	81	76	S	4	6 0.7	4	Cu	19	-	-	-	4	Cs	
	0800		B/S	25		09.7	82	77	SSE	4	3 1.6	4	Cu	18	-	-	-	8	Cs	
	1100		B/S	25		10.6	85	77	SE	4	0 0.0	2	Cu	18	3	As	10	7	Cs	
	1400		B/S	25		08.8	85	78	SSW	6	8 1.8	3	Cu	18	-	-	-	8	Cs	
	1700		B/S	25		07.6	85	77	SW	3	8 1.2	3	Cu	18	-	-	-	8	Cs	
	2000		S/S	25		09.1	83	79	SW	3	3 1.3	3	Cu	18	-	-	-	4	Ci	
	2300		S	25		09.5	82	77	SW	2	0 0.4	3	Cu	18						
KWAJALEIN	0200		S/	12		09.1	79	73	NE	3	8 0.5							1	Ci	
	0500		S/S	12		08.5	79	73	NNW	7	4 0.6	3	Cu	20	3	As	120	1	Ci	
	0800		B/S	12		09.5	82	74	N	4	0 1.0	4	Cu	20	3	As	120	2	Ci	
	1100		B/S	12		10.5	86	75	NNE	3	4 1.0	4	Cu	20	1	As	120	6	Ci	
	1400		B/S	12		08.1	85	78	N	14	8 2.4	2	Cu	20	1	As	120	8	Ci	
	1700		B/S	12		08.5	85	77	NE	9	6 0.4	3	Cu	20	7	Ac	120	8	Ci	
	2000		S	12		09.8	82	74	NE	11	3 1.3	4	Cu	20						
	2300		B/S	12		10.8	82	75	NNE	12	1 1.0	3	Cu	20	6	As	120			
MAJURO	0130		S/S	12		08.1	79	75	NE	5	3 1.5	3	Cu	20	2	As				RW- B0305 ⌀0315
	0430		S/S	12		08.5	81	75	NE	6	4 0.4	3	Cu	20	3	As				RW- B0710 ⌀0715
	0730	⌀20	S/B	12		10.0	81	75	ESE	4	3 1.5	7	Cu	20	2	As				RW- B1050 ⌀1057
	1050		S/S	12		10.0	85	79	E	8	1 0.0	3	Cu	20	4	As				RW B1205 ⌀1217
	1330	⌀20	S/B	8	RW-	08.7	82	78	S	9	7 1.3	7	Cu	20	1	As				RW B1518 ⌀1532
	1630	⌀20	S/B	12		08.0	82	76	E	3	6 0.7	6	Cu	20	3	As				RW - B1706 ⌀1718
	1930	⌀18	S/B	10	R-	10.2	80	77	ENE	5	3 2.2	8	Cu	18	1	As				
	2230	⌀18	S/B	6		11.0	78	76	N	10	3 0.8	6	Sc	18	3	As				
TARAWA	0000	⌀25	O	10		10.5	77	74	Calm		6 0.7	10	Sc	25						
	0300		S	10		08.5	77	76	Calm		8 2.0	4	Sc	25						
	0600		S	10		07.8	79	74	Calm		6 0.7	3	Cu	25						
	0900		S/S	10		10.2	82	75	Calm		3 2.4	2	Cu	25	1	Ac	140	1	Ci	
	1200		S	10		09.8	86	78	ENE	6	6 0.4	2	Cu	25						
	1500		S	10		08.5	87	78	NE	1	8 1.3	3	Cu	25						
	1800		S/S	10		07.8	84	79	Calm		6 0.7	3	Cu	25	2	Ac	140	1	Ci	
	2100		B/S	10		09.5	81	75	Calm		3 1.7	1	Cu	25	8	Ac	140			
WAKE	0200	⌀20	O	10	RW-	08.8	77	74	SSW	9	7 1.3	10	Sc	20						RW- B0200
	0500	⌀20	O	12		08.1	78	75	S	5	6 0.7	10	Sc	20						R- B0810 ⌀0900
	0800		O/S	12		10.2	80	74	S	9	3 2.1	5	Sc	80	10	As	15			80 SCTD
	1100	⌀50	O	6	R	10.8	77	70	S	12	1 0.6	10	Sc	50						20 SCTD
	1400	⌀20	O/B	12	R-	09.5	79	75	S	9	7 1.3	7	Sc	20	10	As	16			R- B0915 ⌀1000
	1700		O/S	12		09.5	80	76	WSW	7	5 0.0	2	Cu	20	10	As	16			R B1100
	2000		O/S	12		10.2	79	75	WSW	4	3 0.7	1	Cu	20	10	As	16			R/ B1200
	2300		S/S	12		11.2	80	75	S	9	1 1.0	2	Cu	20	3	As	16			R B1300 ⌀1400
BIRD DOG 3	0300		S	8	RW	08.9	81	76	E	14	5 0.7	4	Cu	18						
	0600	⌀18	S/B	12		09.5	79	76	E	16	4 0.6	6	Cu	18	3	As	100			
	0900	⌀18	S/B	8		10.7	82	75	E	15	3 1.2	8	Cu	18	3	Ac	100			
	1200	⌀18	S/B	12		10.0	84	78	E	13	9 0.7	8	Cu	18	3	Ac	100			
	1500		S	12		07.6	85	73	E	18	8 2.4	4	Cu	18						
	1800		S	12		08.2	83	73	E	16	3 0.6	3	Cu	18						
	2100		S	12		10.9	81	76	E	16	3 2.7	3	Cu	18						
	2400		S	12		11.3	81	76	E	16	3 0.4	3	Cu	18						
BIRD DOG 4																				

SURFACE OBSERVATIONS 27 JULY 1946

STATION	TIME (LOCAL)	CEILING (THOUSANDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (400 1000 MB.)	TEMPERATURE (DEG.)	DEW POINT (DEG.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	SKY 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0800		s/s	15		09.7	80	75	E	9	7	1.7	8	Cu	15	2	Ac	-			
	0900		s/s	15		09.1	80	74	ENE	8	8	0.6	3	Cu	15	2	Ac	-			RW- B0540 R0547
	0800		s/s	15		10.5	86	76	ENE	7	3	1.4	3	Cu	15	2	Ac	120	5	Cs	
	1100		s/s	15		10.5	88	77	ENE	7	3	0.0	2	Cu	15	2			5	Cs	RW- B2135 E2215
	1400		s/s	10		09.5	87	76	ENE	5	8	1.0	4	Cu	15				4	Cs	TOWERING CU SSW
	1700		s/s	12		08.4	84	76	E	8	6	1.1	3	Cu	15	1	Ac	120	4	Cs	RW ALL QUADS RW- B160 E1610
	2000		s/s	12		10.8	89	77	E	11	3	2.4	5	Cu	15				4	Cs	RW AND LTGN TO S AND SE
	2300	E13	s	10		10.8	81	75	E	12	2	0.0	7	Cu	15						LTNG TO S RW- B2045 E2100
ENIWETOK	0800		s	25		08.9	81	76	S	5	8	0.6	4	Cu	18						
	0900		s	25		08.3	82	77	SE	6	8	0.4	4	Cu	18						
	0800		s/s	25		09.7	84	77	SE	5	3	1.4	3	Cu	18	-	-	-	8	Ci	
	1100		s/s	25		10.6	87	77	E	4	1	0.9	4	Cu	18	-	-	-	3	Ci	
	1400	W8	s/s	25		09.1	87	77	E	4	3	1.5	6	Cu	18	-	-	-	2	Ci	RW IN SIGHT
	1700		s/s	25		07.8	85	76	E	3	8	1.3	5	Cu	18	-	-	-	7	Cs	RW IN SIGHT
	2000		s/s	25		09.1	83	77		4	3	1.3	3	Cu	18	-	-	-	3	Cs	
	2300		s	25		09.6	82			4	1	0.5	3	Cu	18						
KWAJALEIN	0800		s	12		08.2	80	74	NE	8	8	0.7	4	Cu	20						
	0900		s/s	12		07.8	81	75	ENE	14	4	0.4	2	Cu	20	3	Ac	120			
	0800		s/s	12		09.5	84	76	ENE	11	4	1.7	2	Cu	20				4	Ci	
	1100		s/s	12		09.5	86	75	ENE	11	9	0.0	3	Cu	20	1	Ac	120	2	Ci	RW- B1200 E1215
	1400	W20	s/s	2	R-	07.1	87	76	ENE	12	8	2.4	8	Cb	20	1	Ac	120	1	Ci	RW- B1305 R- E1400
	1700		s/s	12		08.1	85	76	ENE	6	6	1.0	4	Cu	20	7	Ac	120	8	Ci	RW B1815 E1900
	2000	E20	o/s	8		09.1	78	76	ENE	9	3	1.0	8	Cu	20	10	As	120			RW- B1505 E1600
	2300	E20	s/s	8		09.8	79	77	ENE	5	6	0.7	6	Cu	20	7	As	120			RW- B2210 E2300 RW B2315
MAJURO	0130		s/s	12		08.8	79	74	N	8	7	2.2	4	Cu	20	1	As				RW - B0100
	0430		s/s	12		08.0	80	75	NE	10	6	0.8	2	Cu	20	1	As				
	0730		s/s	12		10.1	83	78	E	6	3	2.1	4	Cu	20	3	As				
	1030		s/s	12		09.4	85	77	E	4	8	0.7	2	Cu	20	7	As				
	1330		s/s	12		07.9	85	75	ENE	10	6	1.5	4	Cu	20	4	As		2	Cs	RW- B 1525 E 1528
	1630	E20	s/s	12		07.6	82	77	E	10	3	0.3	6	Cu	20	3	As				
	1930		s/s	12		09.5	81	73	ENE	8	3	1.9	5	Sc	30	4	As				
	2230		s/s	12		10.0	8		NW	6	1	0.5	3	Cu	20	1	As				
TARAWA	0000	E25	s	10		10.0	80	74	SE	6	3	1.4	9	Cu	25						
	0300		s	10		08.8	81	75	E	10	8	1.7	4	Cu	25						
	0600		s	10		08.2	79	76	E	7	5	0.3	2	Cu	25						
	0900	E25	s/s	10		10.5	90	76	Calm		3	2.0	6	Sc	25				3	Ci	
	1200	E25	o	10	R-	11.2	75	74	WSW	4	0	0.7	10	Sc	25						
	1500		s/s	10		08.8	81	75	Calm		8	2.4	3	Cu	25	9	Ac	140			
	1800		s/s	10		07.5	84	75	Calm		8	1.3	2	Cu	20	7	As	180	3	Ci	
	2100		s/s	10		09.1	79	75	Calm		3	2.4	2	Cu	20	2	As	160	4	Cs	
WAKE	0300		s/s	12		09.8	80	75	S	10	7	1.4	1	Cu	20	5	As	16			
	0600		s/s	12		12.2	80	78	SSW	8	3	2.4	3	Cu	30	5	As	16			RW B0753 R 0856
	0800	K13	s/s	10	RW	12.2	74	74	WSW	12	3	0.0	9	Sc	15	6	As	16			R B0856 E 1300
	1100	K15	OB	4	R	12.2	72	73	W	9	0	0.0	9	St	15	10	As	70			T SCTD
	1400		o/s	10		10.8	79	73	W	2	8	1.4	5	St	15	10	As	80			R- B1300 E 1517
	1700		s/s	12		10.5	78	72	SSW	5	6	0.3	5	Sc	30	9	As	10			30 SCTD
	2000		s/s	12		11.2	78	74	S	4	4	0.7	1	Cu	20	7	As	10			
	2300		o/s	12		11.5	78	73	SSW	3	2	0.3	1	Cu	20	10	As	10			
BIG DOG 3	0500		s	12		09.4	81	73	E	18	8	0.6	1	Cu	18						
	0600		s	12		09.4	81	73	E	16	5	0.0	4	Cu	18						
	0900		s	12		10.4	82	74	E	17	5	1.0	5	Cu	18						
	1200		s/s	12		09.9	85	74	E	18	6	0.5	3	Cu	18	4	Ac	100			
	1500		s	12		07.3	83	73	E	16	8	2.1	4	Cu	18						
	1800		/s	12		09.8	81	72	E	15	3	2.0	4	Cu	18	1	Ac	100			
	2100		s	12		08.3	79	77	E	19	3	1.5	4	Cu	18						
	2400		s	12		10.0	78	76	E	14	3	1.7	4	Cu	18						
BIG DOG 4																					

SURFACE OBSERVATIONS 28 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	REF	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	NET 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S	12		09.4	83	76	E	15	8	1.4	3	Cu	15						HAZE ALOFT
	0500		S	12		09.3	82	77	ENE	13	5	0.1	2	Cu	15						RW B0015 E0020
	0800		S/S	15		11.3	85	77	ENE	10	3	2.0	2	Cu	15				3	Cs	
	1100		S/S	15		11.3	84	76	ENE	10	1	0.0	2	Cu	15				2	Cs	
	1400		S/S	15		09.6	91	76	SE	7	7	1.7	1	Cu	15				1	Cs	
	1700		S/S	15		09.0	97	77	SE	4	7	0.6	2	Cu	15				2	Cs	
	2000		S/S	15		10.6	85	75	SE	9	3	1.6	1	Cu	15				1	Cs	RW - B 1900 E 1905
	2300		Clear	15		11.0	83	75	E	10	0	0.4									
ENIWETOK	0200		S	25		08.1	82	77	E	7	8	1.5	4	Cu	18						
	0500		S	25		08.2	81	77	E	8	7	0.1	4	Cu	18						
	0800		S/S	30		09.1	82	75	E	10	3	0.9	2	Cu	18				1	Cs	
	1100		S/S	30		09.2	85	75	E	6	2	0.1	1	Cu	18				2	Cs	
	1400		S/S	30		09.1	87	73	NE	5	8	1.1	1	Cu	18				1	Cs	
	1700		S/S	30		07.1	86	75	NE	4	7	1.0	2	Cu	18				4	Cs	
	2000		S/S	30		08.4	83	74	NE	3	3	1.3	1	Cu	18				3	Cs	
	2300		S	25		09.2	82	75	E	5	3	0.8	5	Cu	18						
KWAJALEIN	0200	E20	S/S	12		09.8	77	74	ENE	7	4	0.9	6	Cu	20	7	As	120			RW/ B0205 E0400
	0500	E20	S/S	12		07.1	78	74	SE	8	8	2.7	2	Cu	20	6	As	120			
	0800		S/S	12		07.8	81	74	S	8	3	0.7	2	Cu	20	7	Ac	120	2	Ci	AS 120
	1100		S/S	12		10.2	87	78	SSE	6	3	2.4	4	Cu	20	2	As	120	1	Ci	
	1400		S/S	12		07.3	90	78	SE	8	8	2.7	4	Cu	20	1	As	120	3	Ci	
	1700		S/S	12		07.5	89	76	NE	7	3	0.0	4	Cu	20	3	Ac	120	3	Ci	
	2000	E20	S/S	12		09.8	83	75	SE	9	3	2.3	6	Cu	20	3	As	120	2	Ci	
	2300	E20	S/S	8		09.8	76	75	SSW	3	3	0.0	7	Cu	20	6	As	110			RW - 2215 E 2300
MAJURO	0130		S/S	12		08.0	81	77	E	2	8	3.0	3	Cu	20	3	As				
	0430		S/S	12		08.4	79	73	E	8	4	0.4	3	Cu	20	3	As				RW - B0725 E 0738
	0730	E20	S/S	12		09.7	81	74	SW	9	3	1.3	8	Sc	20	1	As				RW - B0806 E 0846
	1030		S/S	12		09.8	82	75	E	1	0	0.1	3	Cu	20	3	As		1	Cs	RW - B2036 E 2112
	1330		S/S	12		08.5	84	76	Calm		8	1.3	2	Cu	20	6	As				
	1630		S/S	12		07.6	84	77	S	2	6	0.9	3	Cu	20	2	As				
	1930		S/S	12		09.3	82	76	S	1	2	1.7	2	Cu	20	3	As				
	2230		S/S	12		10.3	78	76	E	2	1	1.0	2	Cu	20	2	As				
TARAWA	0000		S	10		10.5	78	74	SW	3	3	1.0	1	Cu	25						
	0300		S	10		09.1	78	75	Calm		9	1.4	4	Cu	25						
	0600		S	10		08.1	79	74	SW	5	8	1.0	4	Cu	25						
	0900		S	10		09.1	82	76	SW	9	3	1.0	4	Cu	25						
	1200		S	10		09.8	85	76	WSW	10	1	0.7	5	Cu	25						
	1500		S/S	10		08.5	88	79	W	6	8	1.3	4	Cu	25				2	Cs	
	1800		O/S	10		07.8	85	75	W	1	8	0.7	4	Cu	25				10	Cs	
	2100		S/S	10		07.5	80	77	Calm		9	0.3	4	Cu	25				7	Cs	
WAKE	0200		O/S	12		10.8	79	73	S	2	9	0.7	2	Cu	20	10	As	10			
	0500		O/S	12		10.5	79	75	S	3	6	0.3	2	Cu	20	10	As	10			
	0800		O/S	12		11.2	82	74	SSE	8	3	0.7	1	Cu	20	10	As	14			
	1100		O/S	12		12.2	85	75	SSE	8	0	1.0	3	Cu	20	9	As	14			
	1400		S/S	12		10.5	85	77	SSE	7	8	1.7	3	Cu	20	9	As	18			
	1700		S/S	12		09.3	84	77	SSE	4	6	1.0	2	Cu	20	9	As	23			
	2000		O/S	12		10.8	80	75	SSE	3	3	1.3	3	Cu	20	10	As	23			
	2300		O/S	12		12.2	80	76	SE	5	3	1.4	4	Cu	20	10	As	23			
BIRD DOG 3	0300	R18	S	8	RW	06.8	80	76	E	10	8	2.1	6	Cu	18						
	0600		S	12		08.3	80	76	E	10	3	1.5	5	Cu	18						
	0900		S/S	12		09.0	83	75	E	18	1	0.7	4	Cu	18	1	Ac	100			
	1200		S/S	8		09.2	84	76	E	14	0	0.2	5	Cu	18	1	Ac	100			
	1500		S	10		07.6	86	75	E	18	8	1.6	5	Cu	18						
	1800		S/S	12		08.0	83	75	E	19	4	0.4	4	Cu	18	3	Ac	100	2	Ci	
	2100		S	12		09.3	81	74	E	16	3	1.5	3	Cu	18						
	2400		S	12		09.3	80	75	E	16	3	0.0	3	Cu	18						
BIRD DOG 4																					

SURFACE OBSERVATIONS

29 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MB.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	PAST 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		C	15		10.0	83	75	E	11	8	1.0									
	0900		S	15		10.2	88	75	ENE	8	4	0.2	1	Cu	15						
	0800		S	15		11.6	84	76	ENE	15	3	1.4	3	Cu	15						
	1100		S	15		10.9	84	76	E	15	9	0.7	4	Cu	15						
	1400		S	15		09.3	90	75	E	13	8	1.6	3	Cu	15						
	1700		S	15		09.4	86	76	E	11	0	0.1	4	Cu	15						
	2000		S	15		11.0	82	75	ENE	14	3	1.6	1	Cu	15						
	2300		C	15		12.2	83	76	ENE	14	3	1.2									
ENIWETOK	0800		S/8	6		08.5	82	77	E	9	5	1.2	4	Cu	18	5	Ac	100			RW - B0120 E0130
	0900	W16	O	6	RW-	08.1	78	77	E	13	5	0.4	10	Sc	16						RW - B0350 E0415
	0800	W14	S/8	8		09.2	81	77	E	9	3	1.1	8	Cu	14	6	As	100			RW - B0455 E0522
	1100		S/8	20		09.6	84	77	E	12	2	0.4	2	Cu	18	6	Ac	100			RW - B0611 E0618
	1400		S/8	20		08.6	84	77	SE	10	8	1.0	5	Cu	18	6	Ac	100			RW - B0739 E0750
	1700		S/8	25		09.0	84	76	E	10	8	3.6	4	Cu	18	7	Ac	100	2	Ci	
	2000		S/8	20		08.6	83	76	SE	10	3	3.6	4	Cu	18	2	As	100	5	Cs	
	2300		S	20		09.9	82	77	SE	10	2	1.3	3	Cu	18						
KWAJALEIN	0800		S/8	12		09.8	77	74	E	6	8	0.1	4	Cu	20	6	As	120			RW/ B0100 E0200
	0900		S/8	12		08.1	79	75	ENE	15	3	1.7	2	Cu	20	2	As	120			RW -B0210 E0400
	0800		S/8	12		09.8	80	75	E	10	3	1.7	3	Cu	20	1	As	120	2	Ci	
	1100		S/8	12		10.2	86	76	ENE	6	0	0.4	3	Cb	20	2	As	120	3	Ci	RW - B0900 E0915
	1400		S/8	12		07.5	88	79	ENE	4	8	2.7	3	Cu	20	1	As	120	3	Ci	
	1700		S/8	12		09.1	87	76	E	4	1	0.6	4	Cu	20	3	As	120			RW - B1800 E1900
	2000		S/8	8		09.5	80	75	E	3	2	1.4	3	Cu	20	1	As	120			
	2300		S/8	8		10.8	80	75	NE	6	1	0.3	2	Cu	20	3	As	120			
MAJURO	0130		S/8	12		08.7	78	75	E	1	8	1.6	2	Cb	20	2	As				
	0430		S/8	12		08.4	78	75	Calm		5	0.3	2	Cu	20	3	As				
	0730		S/8	12		10.2	84	78	Calm		3	1.8	4	Cu	20	1	As				
	1030		S/8	12		09.7	85	75	Calm		6	0.3	3	Cu	20	2	Ac				
	1330		S/8	12		08.3	85	80	NE	4	7	1.2	3	Cu	20	1	As				
	1630		S/8	12		07.9	83	78	S	3	3	0.6	3	Cu	20	2	As				
	1930		S/8	12		09.7	81	77	NW	2	3	1.8	3	Cu	20	3	As				
	2230		S/8	12		10.4	80	76	N	2	1	0.7	1	Cu	20	1	As				
TARAWA	0000		S	10		09.8	79	75	Calm		2	2.0	2	Cu	25						
	0300		S	10		09.1	80	75	Calm		8	0.7	3	Cu	25						
	0600		S	10		09.1	78	75	Calm		4	0.0	3	Cu	25						
	0900		S/8	10		10.2	81	77	Calm		3	1.1	3	Cu	25				8	Cs	
	1200		S/8	10		10.5	86	77	ENE	2	1	0.3	3	Cu	25	4	Ac	160	4	Ci	
	1500		S/8	10		08.1	88	78	NW	7	8	2.4	3	Cu	25	4	Ac	160	1	Ci	
	1800		S/8	10		06.8	83	76	N	4	8	1.3	3	Cu	25	5	Ac	160	3	Ci	
	2100		S	10		09.5	82	78	NW	6	1	2.7	2	Cu	25						
WAKE	0200		S/8	12		11.5	80	76	S	3	6	0.7	4	Cu	20	8	As	230			
	0500		S/8	12		10.8	78	74	ESE	9	6	0.7	2	Cb	20	4	As	230			DSTNT LTNG To W
	0800		O/8	12		12.5	83	76	SE	3	3	1.7	1	Cb	20				10	Ci	
	1100		O/8	12		12.9	85	77	SSE	4	1	0.4	3	Cu	20				10	Ci	
	1400		S/8	12		10.8	86	75	SSE	5	8	2.1	2	Cu	20				9	Ci	
	1700		S/8	12		10.2	84	78	SE	9	6	0.6	2	Cu	20				3	Ci	
	2000		S/8	12		12.2	82	77	ENE	3	2	2.0	2	Cu	20				3	Ci	
	2300		S/8	12		13.2	81	77	ENE	7	1	1.0	2	Cu	20				1	Ci	
BIRD DOG 3	0300		S	12		07.6	80	75	E	12	8	1.3	3	Cu	18						
	0600	W18	S	8		08.5	80	75	E	12	3	0.7	6	Cu	18						
	0900		S	10		09.4	82	78	E	18	3	1.1	3	Cu	18						
	1200	W18	S	8	RW	09.4	82	73	E	16	3	0.9	6	Cu	18						
	1500		S	10		09.2	83	73	E	15	8	0.2	3	Cu	18						
	1800		S/8	12		08.4	82	72	E	17	4	0.8	3	Cu	18	1	Ac	100			
	2100		S	12		10.4	81	77	E	18	3	2.0	3	Cu	18						
	2400		S	12		10.2	81	77	E	18	3	0.2	3	Cu	18						
BIRD DOG 4																					

SURFACE OBSERVATIONS 30 JULY 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (AND 1000 MBS.)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	KEY 3-HR. PRES. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
BIKINI	0200		S	15		10.5	83	76	E	14	7	1.9	3	Cu	20						
	0500		S	15		10.0	82	75	E	14	7	0.3	3	Cu	20						
	0800		S	15		11.5	85	77	E	15	3	1.5	3	Cu	20						
	1100		S	15		11.6	85	77	E	15	0	0.1	2	Cu	15						
	1400		S	15		09.7	21	78	ENE	8	8	1.0	3	Cu	20						
	1700		S/S	15		10.2	88	76	ENE	5	3	0.5	2	Cu	15	2	Ac	140			
	2000		S	15		11.7	85	78	ENE	3	2	1.5	3	Cu	15						
	2300		S	12		12.6	86	75	ESE	2	9	1.1	5	Cu	15						
ENIWETOK	0200		S	25		09.0	82	76	E	8	8	0.9	3	Cu	18						IW - B 0420 - 0430
	0500	-16	B	20		08.9	80	73	E	9	6	0.1	7	Sc	16						
	0800	-18	B	20		09.5	83	76	E	8	3	0.6	5	Cu	18						
	1100		S	30		09.3	86	77	E	12	0	0.4	4	Cu	18						
	1400		S	30		08.7	86	77	E	11	6	1.2	2	Cu	18						
	1700		S/S	30		08.1	85	75	E	10	5	0.6	4	Cu	18				2	Ci	
	2000		S/S	30		09.2	83	76	E	9	3	1.1	3	Cu	18				2	Ci	
	2300		S	30		09.8	82	78	E	12	3	0.6	3	Cu	18						
KWAJALEIN	0200		S/S	12		10.2	80	74	ENE	3	0	0.2	3	Cu	20	1	Ac	120			
	0500		S/S	12		08.5	80	74	ENE	9	4	1.7	1	Cu	20	1	Ac	120			
	0800		S/S	12		09.3	84	74	NE	7	4	1.3	2	Cu	20				1	Ci	
	1100		S	12		09.8	90	76	ENE	10	4	0.0	4	Cu	20						
	1400		S	12		07.5	91	79	ENE	10	8	2.3	3	Cu	20						
	1700		S/S	12		08.3	88	75	E	9	6	0.6	3	Cu	20	1	Ac	120			
	2000		S	8		09.3	82	75	E	10	2	1.0	3	Cu	20						
	2300		S/S	8		10.2	82	74	ENE	9	1	1.1	3	Cu	20	1	Ac	120			
MAJURO	0130		S	12		09.3	81	74	N	12	8	1.2	3	Cu	20						IW - B 0719 - 0725
	0430		S	12		08.6	80	74	N	8	8	0.6	3	Cu	20						IW - B 0849 - 0855
	0730	-20	B	12		10.2	81	78	NE	6	3	1.6	6	Cu	20						IW B 0911 - 0920
	1030		S/S	12		10.7	83	78	N	15	1	0.5	5	Cu	20	1	Ac				IW B 1125 - 1138
	1330	-20	S/B	10		08.3	85	78	NE	14	8	2.4	6	Cu	20	2	Ac		1	Cm	IW B 2033 - 2042
	1630		S/S	12		07.7	85	75	NE	12	6	0.6	3	Cu	20				3	Ci	
	1930		S/S	12		09.3	83	76	E	12	3	1.6	3	Cu	20	1	Ac				
	2230		S	12		10.1	82	75	NE	14	1	0.8	5	Cu	20						
TARAWA	0000		S	10		10.2	82	77	NE	6	1	0.7	2	Cu	25						
	0300		S	10		09.1	81	77	N	7	7	1.1	2	Cu	25						
	0600		S	10		08.5	80	76	S	6	8	0.6	3	Cu	25						
	0900		S	10		10.5	83	76	N	4	3	2.0	3	Cu	25						
	1200		S/S	10		10.0	84	77	NNW	3	1	0.3	4	Sc	30				1	Ci	
	1500		S	10		08.5	87	78	NNE	8	8	2.3	5	Cu	25						
	1800		S/S	10		07.8	85	75	NNE	5	5	0.7	3	Cu	25				1	Ci	
	2100		S/S	10		09.1	81	77	E	4	3	1.3	2	Cu	25	3	Ac	120			
WAKE	0200		S	12		12.2	80	76	ESE	9	7	1.0	2	Cu	20						
	0500		B/S	12		12.2	81	75	ESE	10	3	0.0	2	Cu	20				6	Ci	
	0800		B/S	12		13.5	83	78	ESE	9	3	1.3	3	Cu	20				6	Ci	IW B 0820 - 0830
	1100		O/S	12		13.7	85	77	ESE	10	2	0.0	2	Cu	20				10	Ci	
	1400		B/S	12		12.2	86	76	ESE	10	8	1.3	2	Cu	20				2	Ci	
	1700		B/S	12		12.2	84	76	ESE	8	3	0.0	5	Cu	20				9	Ci	
	2000		S/S	12		12.9	82	77	E	6	4	0.7	1	Cb	20				4	Cm	
	2300		S	12		13.5	82	77	E	5	1	0.6	1	Cu	20						
BIRD DOG 3	0300		S	12		06.9	81	76	E	12	8	1.3	3	Cu	18						
	0600		S/S	10		09.9	81	74	E	12	3	1.0	2	Cu	18	3	As	100			
	0900		S/S	10		11.2	85	75	E	14	3	1.3	4	Cu	18	2	As	100			
	1200		S/S	10		10.4	85	75	E	12	8	0.8	4	Cu	18	3	As	100			
	1500		O/S	10		09.6	84	75	E	16	8	0.6	4	Cu	18	10	As	100			
	1800		B/S	12		09.8	82	77	E	14	4	0.0	4	Cu	18	9	As	100			
	2100		B/S	12		10.6	82	75	E	14	9	0.8	3	Cu	18	6	As	100			
	2400		S	12		11.0	82	75	E	14	3	0.4	3	Cu	18						
BIRD DOG 4																					

SURFACE OBSERVATIONS — 31 JULY — 1946

STATION	TIME (LOCAL)	CEILING (HUNDREDS OF FEET)	SKY	VISIBILITY (MILES)	WEATHER	SEA LEVEL PRESSURE (1000 MB+)	TEMPERATURE (°F.)	DEW POINT (°F.)	WIND DIRECTION	WIND VELOCITY	PRESSURE TENDENCY	3-HR. PRESS. CHANGE	AMT. LOW CLOUD	TYPE LOW CLOUD	HEIGHT LOW CLOUD	AMT. MIDDLE CLOUD	TYPE MIDDLE CLOUD	HEIGHT MIDDLE CLOUD	AMT. HIGH CLOUD	TYPE HIGH CLOUD	REMARKS
ENIWETOK	0800	E15	B	15		11.1	81	75	Calm		16	1.5	6	Cu	15						
	0900		B	15		11.3	82	77	ENE	3	8	0.2	4	Cu	15						
	0800		B/H	15		12.0	86	76	E	2	3	0.7	1	Cu	15				6	Cu	
	1100		B/H	15		12.0	88	76	E	3	3	0.9	3	Cu	15				4	Cu	
	1400																				
	1700																				
	2000																				
	2300																				
KWAJALEIN	0800		B	12		09.1	82	77	E	13	8	0.7	5	Cu	18						RW - B1045 E1047
	0900		B	20		08.4	82	77	E	15	8	0.7	5	Cu	18						
	0800		B/H	20		09.5	83	79	E	13	2	1.1	4	Cu	18	1	As	100			
	1100		B	25		10.8	85	78	E	10	3	1.3	5	Cu	18						
	1400		B	25		09.2	85	76	E	12	8	1.6	5	Cu	18						
	1700		B/H	30		08.7	85	78	E	8	3	1.5	5	Cu	18				3	Ci	
	2000		B/H	30		09.6	85	78	E	10	3	0.9	4	Cu	18				2	Ci	
	2300		B/H	30		11.3	82	78	E	8	3	1.7	4	Cu	18				2	Ci	
KWAJALEIN	0800		B/H	12		09.1	82	74	ENE	15	7	0.4	1	Cu	20	1	As	120			
	0500		B/H	12		08.1	81	74	ENE	10	4	1.0	3	Cu	20	2	As	120			
	0800		B/H	12		09.8	84	77	E	17	1	1.7	5	Cu	20	1	As	120	1	Ci	
	1100		B/H	12		10.2	90	76	E	15	1	0.4	2	Cu	20				3	Ci	
	1400		B/H	12		08.5	91	79	ENE	10	6	1.7	3	Cu	20				1	Ci	RW B1505 E1605
	1700		B/H	12		08.5	87	76	NE	10	1	0.0	3	Cu	20	1	As	120			
	2000		B/H	8		09.1	85	76	NE	8	-	0.6	3	Cu	20	1	As	120			
	2300		B/H	8		10.5	82	75	ENE	8	-	1.4	2	Cu	20	1	As	120			
MAJURO	0130		B/H	12		08.8	82	77	NE	12	8	1.3	3	Cu	20	1	As				RW - B0330 E0342
	0430		B/H	12		08.9	81	78	NE	12	3	0.1	2	Cu	20	1	As				RW - B0714 E0720
	0730		B/S	12		10.6	83	76	NE	12	3	1.7	5	Cu	20	1	As				
	1080	E20	B/H	12		10.4	86	77	NE	12	9	0.2	7	Cu	20	1	As		4	Cu	
	1330		B/H	12		08.5	87	78	NE	12	8	1.9	2	Cu	20	7	As				
	1630		B/H	12		08.4	83	76	NE	10	6	0.3	3	Cu	20	5	As				
	1950		B/H	12		09.8	82	76	E	6	2	1.4	4	Cu	20	2	As				
	2230		B/H	12		10.4	82	79	NE	6	1	0.6	3	Cu	20	5	As				
TARAWA	0000		B/H	10		09.5	79	75	Calm		0	0.5	2	Cu	25	1	Ac	130			
	0300		B/H	10		09.1	82	77	NE	7	8	0.4	3	Cu	25				6	Cu	
	0600		B/H	10		09.1	76	75	NE	6	4	0.0	2	Cu	25	7	As	110			
	0900	W35	O	10	R -	10.8	77	76	E	9	3	1.7	10	Ns	35						
	1200		B/H	10		11.2	80	77	E	10	4	0.4	3	Sc	25	6	Ac	160	1	Ci	
	1500		B/H	10		08.8	83	79	ESE	2	8	1.4	2	Cu	25	6	Ac	160	2	Ci	
	1800		B/H	10		08.5	82	77	Calm		3	0.5	2	Cu	25	8	Ac	160	2	Ci	
	2100		B/H	10		09.1	80	75	E	5	3	0.6	3	Cu	25	4	As	160	4	Ci	
WAKE	0800		B	15		12.9	82	77	E	11	8	0.6	2	Cu	20						
	0900		B	15		12.9	81	75	ENE	10	6	0.0	3	Cu	20						
	0800		B/H	15		13.2	84	76	ENE	10	4	0.3	4	Cu	20	2	As	240			
	1100		B/H	12		13.3	87	74	ENE	11	1	0.3	3	Cu	20	2	As	240			
	1400		B/H	12		12.9	87	78	ENE	8	8	0.6	2	Cu	20	2	As	240	2	Ci	
	1700		B/H	12		12.3	86	75	E	5	3	0.4	2	Cu	20	3	Ac	240	2	Ci	
	2000		B/H	12		13.3	82	79	E	5	1	1.0	2	Cu	20	2	Ac	240	1	Ci	
	2300		B	12		14.9	80	73	ENE	4	3	1.4	4	Cu	20						
BIRD DOG 3	0300		B	12		11.0	80	73	E	14	0	1.0	3	Cu	18						
	0600	W18	B	12		10.1	79	76	E	14	3	0.9	6	Cu	18						
	0900		B/H	10		10.2	83	73	E	14	1	0.1	3	Cu	18	9	As	100			
	1200		B/H	10		10.0	82	77	E	14	6	0.2	3	Cu	18	6	As	100			
	1500		B/S	10		08.2	82	75	E	16	8	1.8	4	Cu	18	5	Ac	100			
	1800		B/H	10		09.0	83	76	E	13	4	0.8	4	Cu	18	3	Ac	100			
	2100		B/H	10		09.9	81	77	E	12	3	0.9	4	Cu	18	2	Ac	100			
	2400		B	12		10.9	81	77	E	14	9	1.0	4	Cu	18						
BIRD DOG 4																					

EXPLANATION OF UPPER WIND OBSERVATIONS

1. Upper Wind Data Included:

On the following pages are recorded all upper wind data from the same eight representative stations listed under the compilation of surface data. It should be noted that upper wind data for the Bikini area was obtained by the following ships, the Mount McKinley, the Fall River, the Saidor and the Shangri La. When more than one of these ships made an upper wind sounding at the same time, the longest sounding has been included for that particular time. The ships making the Bikini soundings are indicated by a notation on the upper wind observational records.

2. Observational Time of Upper Wind Data:

Following existing instructions for the Pacific area upper wind observations were made as near to 0400, 1000, 1600, and 2200 G. C. T. as practicable. At Bikini on special days, upper wind operations were also made at the intervening 3-hourly periods so that a total of eight soundings were available. With all stations operating, the upper wind observational schedule for the CROSSROADS Operation was as follows:

Wake	4 RAWINS daily.
Eniwetok	4 RAWINS daily.
Tarawa	4 RAWINS daily.
Majuro	4 PIBALS daily.
Kwajalein	4 RAWINS daily.
Marcus	4 RAWINS daily.
Weather Ships 3 and 4.	1 RAWIN, 1 PIBAL daily.
Bikini (Fall River).	4 RAWINS daily (8 RAWINS on special days, *Saidor* and *Shangri La* assisting).

3. Completeness of Data Presented:

Although upper wind observations were sometimes missed because of operational difficulties, this compilation contains the most intense and highest upper wind observations for the tropics now available.

It is suspected that radar altitudes are sometimes 500 to 1,000 feet, or more, in error at higher levels. Caution should be used when determining the wind direction or velocity from this data for true altitudes.

4. Details of Upper Wind Observations:

ALTITUDE.

Altitude in thousands of feet.

TIME (local).

This time is the time of the release of the balloon plus 20 minutes unless the length of the sounding was less than 20 minutes. In the latter instance the time is the actual length of the sounding.

ddvv.

dd—The true wind direction coded to 36 points, in which 09 is an east wind, 18 a south wind, 27 a west wind and 36 a north wind. Calm is coded by the figures "00."

vv—Wind velocity in knots.

UPPER WIND OBSERVATIONS 1 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	dew																					

KWAJALEIN

1400	1226	1225	1226	1225	1220	1123	1210		1411	1613	1206	1509	1418	1810	1731	1951						

WAKE

0850	1110	1215	1113	1111	0908	1310	1414	1417		1313	0208	0622	0612	0414	3122	8718	1919	9214				
2050	1215	1215	1016	1012	0714	1208	1411	1210		0614	0617	0516	5311	3611	0121							

MAJURO

0230	1221																					
2050	0308	1022	1207																			

ENIWETOK

0300	0817	0911	0810	2206	1210	1110	2404	2705	2005	2407	2609	2505	2609	2930	2624							
0800	0712	0712	0811	0607	1210	1211	1309	1613	1715	1710	1704	2110	2316	2516								
1500	0815	0912	0707	3605	3307	1511	1110	0809	1017	1709	2015	2103	0608	0809								
2000	1014	1114	1011	0912	0913	0814	0812	0811	0910	1610	1608	1706	2414	2022	2019							

TARAWA

0300	1215	1115	1115	1115						0820	1015	1010	0915	0805	0810							
0900	X156																					
1500	1305			1205	1010		1010		0915	0815	0505	1205										
2100	X156																					

BIRD DOG 3

BIRD DOG 4

100

UPPER WIND OBSERVATIONS 2 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	ddvv																					

KWAJALEIN

0906	0718	1012	1109	1110	1211	1110	1118		1219	1147	1016											
1400	0822	0820	0816	0815	0806	1011	1211		1218	5916	1210	1513	8006	1219	0533							
2200	1026	0926	1015	0914	0810	0910	0918		0917	0620												

WAKE

0800	1414	1214	1012	1010	0805	1309	1314	1216		0919	0613	0618	0628	0322	3517	3222	0115	0616				
1413	0912	1013	1014	0911	1207	1201	1113	1015		0917	0610	0613	0522	0521	0615	3514	0605					
2000	0915	0915	0916	0815	0709	0812	0912	0915		0910	0509	0613	0724	0409	0714							

MAJURO

0230	9006																					
0830	8728																					
1430	0629	0821	0120	1112	0915	0818	0720		0822													
2030	0628	0722																				

ENIWETOK

0800	0913	1314	1316	1215	1216	1216	1120	1019	1016	1012	1212	1413	1309	1505	3625	0609	1281					
1526	0926	1021	1017	1633																		
2010	0816	0816	0815	0914	1012	1012	1013	1112	1112	0812	1110	1512	1721	1505	3518	3535						

TARAWA

0300	0215	0805	0805	1010	1010		1010		0915	0935	1010	1010	1010	1210	0805							
0900	MISS																					
1500	0505	0405	-	0710			1010		0510	1510	0910	0805	0805	1005	1710	Calm	Calm					
2100	MISS																					

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 3 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	46W																					

KWAJALEIN

0200	1715	0913	0915	0713	0715	0916	0921		1019	1117	0710	2224	1624	2707	0805							
0800	1021	0922	1021	1113	0910	0814	0817		1020	1013	0307	0405	2110	2706	2307							
1400	0717	1018	1019	1014	1013	1016	0921		0817	0925	3611	3508	2514	2509	3509	2307						
2100	0817	1023	0916	1208	1311	1216	1116		1016	1017												

WAKE

0827	1018	1016	1011	0810	1213	1218	1018	0920		0816	0520	1206	1206	Calm	1809	3509	3010	0814				
1400	1012	1113	1010	0606	1508	1316	1018	0920		0817	0324	0804	0905	1804	2114	1605	3010	1918	0808			
2000	0709	0909	0715	0612	0706	1109	1014	0914		0815	0615	3603	2809	2506	2910	2909						

MAJURO

0230	0534																					
0830	0523																					
1430	0824	1009																				
2030	0918																					

ENIWETOK

0200	0815	0814	0714	0813	0907	0915	0913	0912	1012	0711	0710	1408	1812									
0830	0814	0916	0614	0512	0610	0911	0810	0910	1010	0412												
1500	1020	1020	1012																			
2000	1119	1221																				

TARAWA

0300	0810			1005	1105		1015		1015													
0900	MISS																					
1500	1205			1005	1005		0915			1105	1005	1005	1005	1105	1105	0810						
2100	MISS																					

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 4 JUNE 1946

	ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
BIKINI		dew																					
KWAJALEIN	0300	0817	1023	1123	0917	0913	1115	1119		0914	0718	0508	8917	5116	8910	8816							
	0900	1112	1121	1224	1216	0916	0831	0907		0916	1310	0817	3410	2611	3006								
	1400	1113	1122	1131	1116	0917	0919	0803		0919	1011	1005	3508	3412	8707	8612	8906						
	2100	1016	1116	1118	1016	1017	1602	0917		0917	0809	0911	3004	3214	0911								
WAKE	0300	0812	0910	1110	0913	0810	0808	0712	0715		0508	0512	3513	3212	8616								
	0845	1010	1011	1009	1007	0507	0509	0713	0713		0514	0806	3518	3413	8709	8910	8921	8810	3409	0806			
	1400	0609	0707	0809	1105	0705	0708	0611	0611		0213	0806	3411	3111	3113								
	2000	0713	0511	0509	0506	0508	0412	0414	0513		0214	3609	3215	3016	3008	8706	8820						
MAJURO	0230	1021	1017																				
	0830	0917	1015	0913																			
	1430	0719	0916	1019	1018																		
	2030	0817																					
ENIWETOK	0300	1027	0922	1020	1115																		
	0820	0812	0913	1013	1013	0913	0615	0812	0912	1113	1015	0713	0415	0460	3216	3127	3045						
	1500	0724	0916	0920																			
	2000	0408	0508	0407	0407	0408																	
TARAWA	0300	1305			1010	0810		0815			0715	0815	0815										
	0900	MISS																					
	1500	Calm	MISS	MISS	0810	0810		0815			1110	0805	0805	1810	0615	0510	1510	0605	1605	8750			
	2100	MISS																					
BIRD DOG 3																							
BIRD DOG 4																							

UPPER WIND OBSERVATIONS 5 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	16	18	20	35	50	35	40	45	60	65	50	55	70	75	80
	ddvv																					

KWAJALEIN

0200	0916	0919	1021	1121	1019	1022	0925		0923	0915	0907	2802	2510	2614								
0800	0826	0810	0813	0821	0817	0820	0824		0821	0722	1010	1806	2511	2609	2817	2209	2617					
1400	0919	1019	1016	0816	0917	0716	0814		1089	0719	0613	1705	2411	2913	2910	2713						
2100	0715	1015	0816	0713	0815	0916	1019		1024	1125	0823											

WAKE

0245	0905	0810	0606	0509	0214	0207	0310	0411		0209	0113	0114	3412	3511	3214							
0800	0809	0704	0904	0608	0312	0210	0111	0111		0112	0114	0514	0624		0514							
1400	0608	0504	0604	0514	0416	0313	0209	0108		0308	0116	0418	0819	0513	3613							
2045	0714	0711	0709	0716	0516	0415	0511	0609														

MAJURO

0230	0814	0814	0716																			
1430	0721	0921	1120	0619																		
2030	0627	0826																				

ENIWETOK

0820	0815	0816	0816	0915	0915	0915	0714	0714	0814				0706									
1500	0808	0809	0910	0908	0812	0812	0807	0814	0808	2712	0615	0607	0707	0909	0912							
2015	0815	0816	1014	0814	0714	0616	0815															

TARAWA

0300	MISG	MISG	MISG	0910	1010		0910		1010	1110	1010	0710	0725	0730	MISG	1820						
0900	MISG																					
1500	0710			0710	0810		1410			2710	1610	0515	0215	0310	2320							
2100	MISG																					

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

6 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	dddv																					

KWAJALEIN

0200	0916	0912	0911	0710	0904	1008	1022		1022	1116	0808	0808										
0800	0716	0916	0810	0609	0806	1115	1116		1024	1115	0911	0905	3015	2710	2810							
1400	1015	0910	1210	1216	1109	1110	1011		0918	0910	0616	0910	3207	3321	2019	2829	2505					
2100	0918	1011	1315	1119	1318	1311	1216		0816	1319	0915											

WAKE

0300	0512	0509	0610	0711	0716	0414	0412	0312		0517	0517	0509	0324	0815	0630							
0857	0806	0808	0809	0610	0713	0611	0513	0413		0415	0614	0416	0724	0731								
1400	0906	0808	0614	0716	0510	0514	0514	0516		0416	0612	0722	0620	0630	0930	0426	0616					
2000	0608	0708	0609	0516	0517	0713	0614	0514		0516	0610	0620	0821	0724	0733	0430	0814					

MAJURO

0230	0627																					
0930	0624																					
1430	0924																					

ENIWETOK

0231	0712	0713	0813	0810	0711	0613	1014	1112	1214	0716	0920	0734	0406	0112								
0825	0614	0715	0612	0413	0614	0715	0814	0915	1016	1217	1118	0915	0211	3519	3412	1605						
2015	0813	0614	0413	0513	0613	0814	0812	0811	0710	0805	0612	0808	3417	3423	3017	3028						

TARAWA

0300	1010			1015	1015		1015			1215	1710	0810	2210	2815	2615							
0900	MISC																					
1500	1215			1405	1410	1110	0915			0915	1320	0210	1010									
2100	MISC																					

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 7 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (GCT)	obsv																					

KWAJALEIN

0200	0815	0920	1116	1116	1115	1210	1113		0717	1012	1109	3603	2512	2815								
0800	1116	1126	1220	1226	1218	1011	1115		1016	1010	0705	2612										
1400	1319	1221	1418	1319	1014	1016	0916		0814	0814	0607	2804	2413	2623	2826							
2100	1116	1216	1117	10	015	0815	0916		0817	0621	0715	3110	2909	3025								

WAKE

0200	1012	0910	0912	0813	0611	0915	0614	0914		0415	0614	0616	0616	0615								
0804	1008	1111	0912	0812	0816	0713	0613	0712		0517	0814	0816	0615	1024	1034	1036	1015					
1400	1210	0716	0814	0712	0915	0916	0615	0618		0712	0612	1020	1118	1122	1028							
2000	1014	0917	0816	0817	0613	0712	0713	0714		0915	0710	1114	1016	1116								

MAJURO

0830	1019	1019	1020	1016	1012																	
1430	1105																					
2030	0914	1014	1116	1015																		

EBIWETOK

0500	0812	0815	0913	0910	1012	1013	0611	0812	0813	0814	0915	0915	0912	0910	0809	0530	3544					
0845	0814	0915	1117	1215	1014	0912	0915	0815	0814	0816	1010	0909	0408	3517	3113	3014	3332					
1500	0315	1120	1323	1215	0909	1026	0815	0816	0819	0720	1016	2103	1308	1330	1326							
2000	0814	0816	1014	0914	0814	0715	0814	0814	0815	0914	0715	0712	0308	3420	2810							

TARAWA

0300	1015			1020	0610	0510																
0900	MISG																					
1500	1010			1110	1115	0920	0820		0915													
2100	MISG																					

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

8 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	44VV																					

KWAJALEIN

0200	1014	1016	1012	1010	0811	0813	0918		0922	0919	0812	1403	2621	2721								
1000	1111	1118	1419	1416	1218	1219	1029		0729	1218	1121	1206	3036	3023								
1400	1016	0913	0914	0816	0820	0817	0916		1017	0922	0919	0919										
2100	1021	1018	1021	0922	0917	0914	0916		0917	0818	2111	2410										

WAKE

0230	1209	1116	1120	18	0815	0715	0813	0718		0715	0614	0907	0912	0915								
0800	1108	1211	1114	0916	0821	0818	0816	0818		0810	0813	0809	1112	1318	1327	1430						
1400	1111	1111	0914	0815	0716	0717	0718	0718		0912	1012	0912	1112	1510	1522	1625						
2000	0912	0913	0816	0721	0718	0715	0816	0817		0812	0718	0912	0912	1207	1620							

MAJURO

0230	0711																					
0830	0714																					
1430	0916	1319	1113	1034	0812	0914	1016	1014														
2030	0808	0809	1007	0907	0907																	

ENIWETOK

0300	0716	0817	0710																			
0830	1213	1114	0913	0915	0815	0816	0816	0817	0818	0815	1012	0816										
1500	1118	1218	1214	1015	0915	1218	0824	0634	0828	1040	1310	1222	1008	1136	3334	2862	0610					
2000	1015	1013	1112	1112	1115	1014	1014	0915	0815	1016	0817	1613	1212	0508								

TARAWA

0300	1010	1015	1010	0810	0815	0815	0915		1020	0820	0610	0610	0710	1510	1510							
0900	0810	0810	0715	0710	0710	0915	0715		0810	1015	1605	1605	3610	1505	1720	1715	2710	2405				
1500	0710	-	-	0710	0810		0815		0610	2510	1805	1805	1805	0100	0305							
2100		0910		0710	0915	0915	0920		0815													

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

9 STUDY

1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0800	0823	[illegible]	1017	0917	0816	0811	1017		1118	0611	1408	2410	0609	1816	3115	0431	0431	0716				
1400	0923	0514	0917	0916	0916	0911	0916		0816	1013	1301	2903	2310	3604	3204	3414	3414					
2100	1018	1016	0915	0917	1015	1016	1112		1017	1216	1205	2716	2413	2515	1206	1206						

KWAJALEIN

0220	0410	0516	0513	0614	0520	0308	0614	0415		0110	0310	0410										
0920	1016	1022	1018	1018	1116	1116	0916	0917		0921	1011	0711	0609	1516	0730	1730	0920	1436				
1400	0917	0915	1019	1019	0921	1116	1016	1018		1122	1605	0710	1103	0625	1724							
2230	0920																					

WAKE

0230	0722	0814	0814																			
0830	0822	0919	0920	0816	0819																	
1430	0719																					

MAJURO

0300	0915	0922	1018	1310	1212	1011	0909	0709	0712	0809												
0840	0717	0814	0913	0912	0811	0712	0612	0613	0814	0811	1014	1018	0904	1702	3306	3123	1518					
1500	0916	0815	0609	0707	0111	1508	0608	0915	0818	1214	1210	1504	2620									
2010	0732	0711	0510	0309	0408	0409	0913	1115	1116	101[illegible]	1110	0804	1409	0802	3310	3210						

ENIWETOK

0300	NTSG																					
0900	0615	0615	0625	0610	0615	0710	0815		0810	1120	1715	1615	1910	1910	2710	2010						
1500	0715	1025	0915	1015	1010		1010			1310	2015	1899	1720	2015	2610	2115						
2100				1020	0920	0920	0815		0820	0810	2015	1920	2120	2520	2620							

TARAWA

BIRD DOG 3

BIRD DOG 4

108

UPPER WIND OBSERVATIONS

10 JUNE 1946

	ALT. / TIME (LOCAL)	2 / 4000	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
BIKINI																							
KWAJALEIN	0300	0819	0918	1016	1116	1114	1014	1213		1214	1212	1503	2610	2418	2810	1802							
	0800	0921	0916	1118	1223	1119	1110	1016		1216	0910	1701	2205	2617	2610	2704	2712	0205	3110	0404			
	1400	0913	1023	1116	1116	1119	1116	1010		0911	0914	1102	3005	2110	2714	2305	2609	2803					
	2000	1117	1221	1118	1123	1217	1016	1013		0915	0810	2005	3211	2605	2605	2512							
WAKE	0300	1118	1123	1122	0919	1021	1021	0818	0815		0412	0506	Calm	2009	2111	2215							
	0823	1122	1120	1021	0919	1020	0819	0915	0711	0610													
	1400	1016	1018	0918	0818	0819	0817	0716	0713		1408	1206	2607	2612	2717	2712	1905						
	2000	0918	0920	0920	0922	0920	0714	0716	0716		0805	1505	2712	2710	2705								
MAJURO																							
	2030	1022	1218	1016	0914																		
ENIWETOK	0300	0818	0824	0810	0806	0608	0609	1111	1314	1117	1114	1118	1012	1013	2422								
	0825	0914	0815	0811	0811	0812	0812	0911	0910	0609	1012	1805	1506	2010	1816	1906	1905	0513					
	1500	0920	1021	1219	1310	1014	0914	0914	0815	0914	1010	0208	2806	2132	2412	2708							
	2005	1022	1123	1122	1318	1216	1013	0914	0814	0816	0811	3502	3808	2415	2523								
TARAWA	0300	1015	1020	1020	1015	1020	0920	0720		0720	0510	1210	1810	2010	2620	2620							
	0900	1015	1015	1020	0920	0920	1020	1020		0920	0910	1020	1110	2010	2515	1810	1510						
	1500	1110	1010	1010	1010	1015	1020	1025		1020	1015	1710	1610	2805	2910	2910	1730	1225					
	2100	1210	1115	1120	0920	0915	0920	0915		1015	1120	1115	1515										
BIRD DOG 3																							
BIRD DOG 4																							

UPPER WIND OBSERVATIONS 11 JUNE 1946

BIKINI

ALT. TIME (LOCAL)	2 GPM	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80

KWAJALEIN

0500	0912	1113	1114	1221	1225	1520	1225		1218	1119	0604	0505	3516	3407	2717							
0800	1116	1117	1117	1117	1115	1116	1214		1115	1207	203	3216	3219	3116	3218	3418						
1400	1116	1313	1216	1215	1115	0917	0915		1011	1907	0905	3213	3118	3323	3221	3325	2622					
2100	0822	0720	0817	0816	0819	1011	1012		1008	0901	2106	2103										

WAKE

0315	1012	1013	1011	0816	0712	0913	0914	0911		0810	0308	3514										
0815	0911	0912	0812	0812	0812	0814	0910	0910		0613	0710	0611	3518	3125	3124							
1400	0910	0908	0812	0813	0715	0715	0615	0614		0512	0611	0408	1015	2918	2944	3036						
2000	0813	0712	0819	0712	0621	0715	0711	0710		0512	0804	0610	0504	2920	2932							

MAJURO

0230	1021	1018	1123																			
0830	0921	1015	1022	1020	0918																	
1430	0815	0612																				
2030	0815	1112	1011	0816																		

ENIWETOK

0300	1026	1123	1216	1322	1211	1112	1114	0918	0912	0407	3207	2909	2722	2820								
0825	0920	1019	1222	1418	1418																	
1500	0809	0822	2923	1016	0914	1308	0915	0912	1015	0503	3504	2810	2809									
2025	0819	0717	0715	0911	0910	1009	0910	1010	1011	0609	0206	3114	2922	3026	2854							

TARAWA

0300	1010	1015	1015	1020	1020	1020	1015		0605	1015	1010	1705	1805	2305	2805	2710						
0900	0915	0915	1020	1020	1020	1025	1020		0810	1015	0405	1505	Calm	1115	2610	2805	1535					
1500	0910	0910	1025	1025	1020	1020	1015		1015	1005	1805	2910	2910	2710	2605	1525	1235					
2100	0715	1020																				

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

12 JUNE 1946

	ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	ddff																					
BIKINI																							
KWAJALEIN	0500	0821	0925	0924	1121	1115	1407	1609		1705	3108	2305	2718										
	1000	0826	0823	0823	0921	0818	0912	1114		1210	2703	2715	3116	2952	3042	3334	2511						
	1400	0917	1019	0920	0720	0916	0814	0810		0707	0603	2408	2827	2936	2859	3146	2826						
	2100	0912	1113	1113	0911	0909	0910	0809		1104	3102	2917	2617	2913	2706								
WAKE	0230	0310	3611	3609	0214	0117	3613	3516	3512		3506	2508	3608	2905	2014								
	0800	0809	0812	0618	0715	0621	0520	0418	0416		0412	0309	0208	0104	0406	Calm	3012	0513	0726				
	1400	0810	0611	0712	0717	0616	0622	0616	0515		0610	0504	3509	0507	3109	3504	3304	0618					
	2115	0611	0611	0614	0516	0518	0714	0409	0208		0408	0716	0714	1209	1208	0920							
MAJURO	0230	0912	0911																				
	0830	0816	0718	0918	0715	0821	0811																
	1430	0716	0914	1013																			
	2030	0719	0717																				
ENIWETOK	0200	0714	0714	0610	0810	0708	0808	0609	0713	0408	2905	3608	2938	2623	3028	3220							
	0925	0810	0815	0715	0711	0406	0608	0513	0509	0608	0306	2812	2828	2835	2828	2875	2832						
	1500	1007	1011	0610	0406	0315	0610	0612	0412	3408	2916	3031	2634	2731	2929	3130	2814						
	2028	0908	0710	0616	0413	0711	0114	0812	0308	0305	3511	2734	2827	2934	2634								
TARAWA																							
	1500	0810	1015	0915	0920	0915	1120	1415		1120		3005	2005	2820	2925	2925							
BIRD DOG 3																							
BIRD DOG 4																							

UPPER WIND OBSERVATIONS

13 JUNE 1946

BIKINI

ALT. TIME (LOCAL)	2 GMT	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0609	0806	0814	0909	0405	0701					3015	2521	2633	2327	2840								
1030	0814	0816	0810	0814	3006		0107			2508	2622	2645	2558	2945								
1630	0609	0725	0810	0604	0804	0905	1204	-	2505	2408												
2230	0818	0809	0613	1205	0805	1305	0902	-	3409	2214	2626											

Fall River • Shangri-la

KWAJALEIN

0200	0912	1012	1009	0909	0905	0905	1204		2203	2910	2812											
0800	0914	0811	0908	1011	1108	1308	1006		0805	3012	2519	2530	2425	2929	3053							
1400	0716	0710	1208	1209	0407	0601	3502		1003	2405	2311	2513	2627	3029	2325							
2100	0910	0916	0911	1206	1106	1307	1302		3003	2611	2815	2729	2527	2823	2822							

WAKE

0300	0814	0814	0814	0715	0906	0605	5002	2702	-	0505	0814	1405	1128									
0827	0714	0714	0711	0810	0607	2704	2003	1905	-	0812	0910	1028	1246	0943	0932	1032						
1418	0913	0813	0713	0610	0605	0904	1806	1605	-	0808	1012	1022	0934	1060	1060	0921	0820	1214				

MAJURO

0230	0714																					
0830	0518	0516	0513	0512	0707	1104	1205															
1430	0718																					
2030	0815	1010																				

ENIWETOK

0300	0610	0807	0815	0712	0705	0705	0909	-	3614	3012	2818	2832	2616	2728	3034	2640						
0830	0715	0712	0609	0606	0403	0304	0205	-	3505	3307	3311	2623	2932	2832	2732	2737	2236	2808				
1500	0715	0712	0509	0107	3504	0105	0504	-	3504	3009	2725	2932	2840	2634	2729	2328						
2030	0714	0712	0710	0805	1006	1006	0804	-	1004	1010	2131	3120	2628	2851	2836	2230						

TARAWA

0300	0610	0610	0605	0605	0605	0410	0810		1010	1205	1505	0705	3205	2410								
0900	0710	1110	1110	0915	0610	0610	0610		0910	1305	2110	3605	3210	1215								
1500	3605	0405	0710	0710	0515	1010	0810		1010	1310	1910	2005	2410	3120	3115	2415						
2100	1305	0810	0810	0610	0505	0510	0505		0810	1315	0905	2705	3210	2710								

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

14 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	4ww																					
0430			0730	1109	1304	1205	1105	-	2407	2615	2618	2740										
1030		0706	0912	1307	1409	1006	0704	-	2802	2715	2725	2733	2739	2744	2837							
1650	0808		0806	1004	1504	1602	1003	-	2804	3012	2823											
2230	0808		0705	0706	1806	1206	1806	-	1703	2605	3028											

Fall River

KWAJALEIN

0200	0912	0812	0910	1207	1109	1009	1304		2805	2608	2520	2724	2630	2734	2730	2723	2043	2317				
1000	0816	0806	1209	1210	1507	1407	1703		1003	3205	2616	2528	2620	2927	2618							
1400	0914	1113	1108	1256	1504	1906	3306		2303	3404	2819	2515	2616	2922	2619	2423	1320					
2100	0913	1110	1304	1103	1403	1809	1906		0812	1801	2503	2603	2809									

WAKE

0200	1011	1108	1112	1012	0913	0912	0709	0808	-	0915	0818	0927	0951	0970	1035							
1417	0906	0909	0911	0910	0809	0811	0914	0913	-	1213	0827	0832	0842	0860	0732	2407	1018					
1500	1008	1110	1012	0912	0912	0910	0710	0710		0914	0718	0930	0958	0966	1034							

MAJURO

0230	0715	0910																				
0830	0617																					
1430	0617	0620	0715	1211																		
2230	0815																					

ENIWETOK

0500	0713	0811	0907	1106	0704	1103	1005	-	1101	-												
0830	0815	0812	1008	0905	2901	1706	2004	-	2604	2717	2720	2655	2633	2635	2639	2542	2430					
1500	0916	0912	1112	1308	0905	1204	2806	-	2805	2816	2820	2526	3212	2736	2310	2008	2418					
2030	0913	1012	1210	1309	1507	1307	1905	-	1803	2904	2811	2933	2833	2933	2728	2422						

TARAWA

0300	0910	0910	0910	1005	0405	0410	0610		0610	1510		2205	2705	2705	2915							
0900	1110	1115	1110	1210	0805	0710	0610		0615	1505	0305	0305	3405	3310	0105							
1500	1310	1210	1105	0910	0805	0810	0410		0410	1305	1005	2805	3210	0310	0310	0610	3224	2750				
2100				0705	0910	0810	0715		0915	0510	1510	1505	3110	3210	3210							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 15 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0500	0806	0808		0709	0807	1504	1804	-	2404	2512	2818	3132	3136									
1630		0816	0908	0209	0704	2303	2805	-	2903	2716	2724	2929	2940									
2230		0710	0910																			

Fall River

KWAJALEIN

0300	1015	1115	1013	1014	1011	1503	1908		1907	2009	2202	3015	2821	2920								
0800	0914	0912	1011	0916	1009	1107	2202		1803	1906	2305	3313	3116	3423	3223	1605	2909	0109				
1400	0910	1216	1113	0913	1011	1005	0905		3103	2507	3003	3116	3312	3017	3123	2510	3107	0506	1006			
2000	0912	1012	1116	1014	1115	1010	0807		0807	1902	2007	3424	2614	2516	3536	3059						

WAKE

0200	1108	0806	0809	0713	0716	0618	0516	0616	-	0826	0523											
1400	0706	0406	0408	0308	0410	0412	0311	3414	-	0624	082-	0717	0817	0728	0122							

MAJURO

0830	0603																					
1430	0613	0710	0910	0811																		
2030	0709																					

ENIWETOK

0300	0813	0810	1206	0905	1805	2107	2404	-	2303	2508	2910	2822	2710	2612	2810	3212						
0845	0815	0712	0807	3602	2705	1904	2004	-	2106	2513	2709	3013	2520	2926	2822	2113	2708	1080				
1500	0914	0613	0805	1003	3605	3502	1501	-	2204	2808	2907	2612	2720	3028	3102	0714	2110					
2045	0917	0916	0812	0907	0503	0206	3403	-	0103	3410	3510	2619	3031	3025	2814	2720						

TARAWA

0300	1210	1210	1210	1210	0910	0710	0715		0715	3605	1105	0705	3210	0510	0215							
0900	0915	0915	1010	1010	1015	0915	0815		0815	0810	1405	3205	0520	0520	0520	1420						
1500	0710	1010	1210	1010	1115	1115	1020		0920	0710	1410	0805	0620	0520	0530	0530	0530					
2100	0415	0610	0605	0605	0920	1020	1320		1110	1415	0815	0520	0430	0520								

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 16 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2 / Surf	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0430	0806	0808		0709	0807	1504	1804	-	2404	2512	2818	3132	3136									
1030	0906	0917	1215	1115	1512	1510	1908															
1630	0818	0916	1116	0911	1107	1206	0904	-	2306	2512	3215	2418										
2230	0811	1019	0925	0712	1010	1310	1407	-	1707	2509	3208	3330	3136									

Fall River

KWAJALEIN

0300	0717	0910	0917	1018	1117	1116	1112		1409	2106	2104	3114	3092	2117	2117							
0900	0925	1026	1123	1120	1225	1111	1112		1005	1116												
1400	1017	1125	1222	1120	1316	1216	1210		1211	1406	2613	3227	3148	3088	3615	3616						
2100	0732	0830	0933	1134	1227	1224	1219		1119	2515	2519	3012	3236	3136								

WAKE

0300	1112	1108	0812	0912	0708	0805	0710	0828	-	0646	0634	0736	0642	0659								
1400	1006	1006	0908	0710	0712	0616	0824	0718	-	0726	0736	0832	0532	0632	0532	0540	0646	0746				

MAJURO

0230	0519	0920	1125	1116																		
0830	0829	0951	1028	0923																		
1430	0824	0930																				
2030	0826																					

ENIWETOK

0300	0815	0815	0913	0910	0911	1206	3005	-	0505	3206	3110	3018	3028	3130	3020	2930						
0820	0819	0716	0810	1110	1205	0507	0804	-	0902	3308	3121	3324										
1500	0815	0813	0809	1010	1308	1204	1006	-	3002	0410	3423	0128	3024	3126	2916	3212	0448					
2130	0810	0810	1010	1110	1007	1302	0402	-	2202	0305	0219	3332	3040	3126	3232	0108						

TARAWA

0300	0415	0410	0610	0710	0910	0815	0810		1120	1215	1015	1110	0420	0325	0415	0810						
0900	0815	0915	0915	0910	0710	0815	0820		0915	1120	0915	0815	0710	3615	0710	1420	3415	2605	2820			
1500	1010	0810	1020	1020	0915	0930	0920		0920	1020	0915	0605	1210	0610	0910	1315	2820					
2100	0915			0720	0825	0720	0925		1020	1015	1010	0910	1605	3410	0605							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS — 17 JUNE — 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	60m																					
0430			0914	1310	1014	1214	1013	-	1206	2609	2711	3320	3132	3538								
1030			0904	1017	1018																	
1630	0712	0820	0921	1025	1026	0921	1216	-	0909	2414	2617	2823	2929	3426								
2230			0827	0831	0929	[illegible]	1414	-	0907	2708	2519	2913	2822	2334								

Fall River

KWAJALEIN

0200	0716	0925	0928	1123	1125	1021	1011	-	1312	1102	2119	2927	3022	3119	2922							
0900	0923	0924	0722	0925	1028	1124	1116	2	1112	1709	2215	2814	3036	2738	5622							
1400	1017	1120	1125	1117	1123	1024	1122		0216	1504	1810	2723	2733	2739	2340	2235	2409	0817				
2000	0922	1030	1038	1018	1139	1040	0926	-	0719	3004	2507	2728	2340	2335								

WAKE

0330	1210	1210	0912	0811	0716	0720	0819	0717		0724	0733											
1400	0706	0708	0910	0912	0912	0711	0511	0611		0520	0821	0711	0433	0525	0640	0926	0832					

MAJURO

0230	1327																					
0830	0624	0827	0830	1021	0931																	
1430	0735	0736	0938	1031																		
2030	0837	1036	1122																			

ENIWETOK

0300	0616	0818	0911	0808	1014	1507	2402	-	2805	2706	1902	3332										
0830	0913	1114	1014	0811	1013	1014	0704	-	3607	2710	3107	3415	3028	3336	3218	3216						
1400	0718	0916	0813	0914	0911	1119	1314	-	1308	3506	2713	2708	3509	3418	2726	3006						
2100	0819	0814	1023	1023	1020	1015	1010	-	0507	2706	2707	3506	0405	1205	2616							

TARAWA

0300	1010	1010	0815	0815	0825	0825	0920		1120	1020	0910	0915	0905	1020								
0900	1105	1110	0910	0915	0915	0925	1025		1025	1025	1015	0915	0610	0110	1410	1925						
1500	1810	1005	0910	1010	1015	0920	0925		1020	0925	1015	1120	0920	0810	0510	3610						
2100	0810	-		1015	1120	1015	1025		1020	1125	1120	1125	1015	1405	0825							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 18 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2 / 600'	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0430					0832	0926	1020	-	1117	2915	2718	2416	2234	2348	3263							
1030		1027	1031	1031	0935	0925	1229	-	1226	0110	2809	2425	2047	2143	2137	0610						
1630		0819	0921	0928	0830	0728	0929	-	1218	0806	1512	2021	2130	1843	1530							
2230	1120		1032	0831	0827	0928	1032	-	0926	0122	0816											

Fall River

KWAJALEIN

0300	0921	1020	1023	1022	0922	1031	1023		0724	0716	1210	1821	2128	2130	2035							
0800	1023	0819	0817	1016	1119	1123	1125		1127	0310	1116	1730	1826	2019	2030	2218	1610					
1400	1209	1116	1020	1021	1018	1024	1027		0824	1019	1707											
2000	0919	0727	0625	0723	0622	0717	0420		1017	1017												

WAKE

0320	1410	1411	1210	1409	1512	1506	1504	0305		0310	0618	0313	0527	0322								
1400	1310	1512	1510	1806	2310	2412	2314	2118	200	2006	0704	2612	2516	2318	2516	2048						

MAJURO

0330	0814	0919	0817																			
0830	1015	1022	1017	1012																		

ENIWETOK

0400	0816	1116	1031	0821	1028	1018	0914	-	0606	5104	2704	1104	2108	2320	2324	2632						
0845	0718	1018	0819	0827	0926	0924	0928	-	0910	2910	1205	2011	2121	0227	2129	2524	0416					
1458	0716	1204	0718	0925	0927	0925	0915	-	0918	3606	0806	2808	0442	2032	2124	0812						
2030	0708	0819	1020	0923	0925	0824	1016	-	1223	0207	2211	1917	1923	1834	2026	2020						

TARAWA

0300	1510	1110	1015	0915	0810	0925	1025		0120	1120	1120	0710	1510									
0900	1905	1310	1310	1110	1010	1015	1015		1020	1015	1020	0815	0615	0725	0725	1015						
1500			0605	1105	1205	1215	0915		1020	1020	1020	0820										
2100										1110	1320	0720	0920	0720								

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

29 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	adv																					
0430				0823	0725	0926	1124	-	1028	0417	1316	1614	1923	1925								
1030		1027	1031	1031	093[illegible]	0923	1229	-	1226	0110	2809	2425	2047	2143	2[illegible]37	0610						
1650		0819	0921	0925	0830	0728	0929	-	1125	0917	0806	1512	2021	2130	1843	1530						
2230	1120		1032	0851	0827	0928	1032	-	0926	0122	0816											

Fall River

KWAJALEIN

0200	0916	0921	0919	1016	1020	1025	1027	-	1028	1322	1313	1514	18[illegible]	1313	1727							
0300	0921	091[illegible]	0918	0916	1114	1120	1026		1023	1309	1418	1616	1623	1529	1533	1513	2216					
1400	0722	0818	1120	1012	1019	1225	1127		1029	1320	1615	1418	1316	1227	1825	1530						
2100	0923	0916	0920	1013	1119	1221	1018		1030													

WAKE

0200	1308	1312	1207	1312	1414	1522	1520	1818		2012	1810	2313	2342	2375	2384							
1400	1212	1113	1313	1416	1427	1417	1512	1511		1615	2117	2216	2454	2372	2362							

MAJURO

1430	0522	1021																				
2030	0628																					

ENIWETOK

0230	1152	1088	0966	0932	0966	1180	1116		1024													
0845	0916	0928	1026	0926	0932	1030	0933	-	0928	0712	1412	0713										
1440	0614	0620	0722	0724	0715	0816	0909	1003														
2020	0721	0719	0820	0819	0717	0914	1018	1116	1119	0818	1011	1610	1720	1922	1923	1822						

TARAWA

0300	-	0605	0610	0805	0805	0405	1305															
0900	FIRA																					
1500	0610	0810	0710	0710	1110	1310	0920		1120	1315	1025	1020	1215	1710	0920	0730	1220	2615				
2100	0915	0920	0810	0715	0815	0815	0816		0815	1015	0915	0720	0825	0940	0930							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

20 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0430	[illegible]		0835	1221	0717	0909	1015	-	1018	1313	0905	1308	1817	1723	1935							
1030	0829		0922	1214	1012	0914	0710	-	0914													
1630		1023	1123	0613	0316	0818	0817	-	1020	1025	0920	0918	0718	0416								
2230		0920	0818	0713	0809	0815	0617	-	0620	0818	0924	0914	1410	2212	2007	1023	1420	2006				

Fall River

KWAJALEIN

0200	0824	0825	0914	0710	1310	1206	1124		1130	1213	1210	1214	1215	1418	1339							
0900	0927	0926	1020	1114	1017	1013	1016		1215	1316	1210	1207	1309									
1500	1022	1021	1013	0813	0910	1009	1213		1020	1015	0814	0910	1522	1654	1640	1523	1726					
2100	0916	1019	1214	1115	1111	1010	0815		0916	0819	0618	1219	1428	1826								

WAKE

0200	1111	1111	1215	1227	1115	1015	0805	1804		2212	2320	2457	2377	2560								
1400	0612	0920	0722	0820	0926	0820	0616	0408		2404	2614	2744	2562	2562	2548							

MAJURO

0230	0728	0724	0717	0914																		
0830	0837	0823	0921	0616																		
1430	1016																					
2030	0820																					

ENIWETOK

0208	0716	0725	0718	0814	1306	1113	1215	1119	1013	0918	0901	2012	1725	1730	0921	2108	1812					
0840	0924	1026	0822	0920	1505	1212	1218	1118	1111	0918	0504	0201	1820	1933	1729	1630						
1400	0819	0226	0919	1012	1008	0911	0809	-	0815	0909	3610	2507	1912	1522	1524	1531	3618	0818				
2029	0826	0923	0918	1015	0812	0710	0919	0817	0815	0916	0516	0110	2510	0334	1820	2012						

TARAWA

0500	0815	0920	0815	1115	1315	1015	1210		1015	0615	0705	0715	0410	0825	0840	0840						
0900	0510	0915	0915	0810	0915	1115	0915		1015	0915	0925	0815	0835	0725	1115	1630						
1500	1110	1210	1010	0910	0610	0810	1010		1015	0810	0815	0620	0725	1025	1030	1230	0840	5415				
2100	1515	1310	1310	1310	1310	1210	1015		1015	0710	0820	0620	0720	0930	0940							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

21 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	4000																					
0430	0912	1012	0708	0908	0612		0808			0920	0909	1610	1412	1122								
1030	0818	0822	1114	1110	1305	1107	0808	-	0815	0713	0914	1124	0907	1012	1018							
1630	0726	0822		0518	0615	0612	0913			0711	0716	0920	0821									
2230				1010	0805	1111	0911	-	1114	0819		0708	0203	1716	2010							

Fall River

KWAJALEIN

0200	0923	1016	1115	1113	1015	0908	0914		1017	0817	0819	1016	1413	1807	1527	1517						
0900	0917	1120	1216	1316	1415	1211	0813		0714	1216	0918	1006	1311									
1400	0616	0723	0718	0718	0809	1407	1207		0711	1116	0924	1703	1314	1319	0915	1022						
2000	0912	0916	1012	0916	0616	0809	1012		0913	1120	1121	1416	1416	1112	1217							

WAKE

0200	0720	0620	0820	0921	0915	1016	0916	0914		1806	3304	1430	2835	2748	2844	2851						
1400	1014	1016	1022	0920	0916	1208	1410	1310		1706	3306	2916	2840	3442	2246	1328						

MAJURO

0830	1715	1619	1223																			
1430	1415	1318	1319	1421																		
2030	1220	1226	1223																			

ENIWETOK

0230	0722	0922	0917	1210	1210	0920	1020	1122	1020	1210	0612	0314	2116	2120	1914	0310	-					
0535	0720	0822	0914	1110	1010	0815	0916	-	1116	1210	0713	0316	1707	2216	2402	1218	0918					
1130	0719	0918	0906	1006	0712	0914	1220	-	0817	0912	1014	0409	1408	2110	1716	1620	0823	1110				
2013	0820	0816	0815	0811	0708	0813	0714	-	0614	1113	1305	0735	0605	0805								

TARAWA

0300	1620	1610	1410	1105	1205	1105	1215		1210	0810	0620	0825										
0900	1310	1210	1310	1430	1315	1210	1110		0940	1720	1730	0720	1125	0920								
1500	0920	1020	1205	1305	0805	0805	1205		1210													
2100	0815	0910	0905	1405	1310	1315	1315		1115	0920	0820	0920	0820	0420	1024	1045						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

22 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	ddvv																					
0430		0828	0821	1018	1113	1014	1016	-	0812	0819	1309	1308	1208	2205								
1030		1221	1120	1121	1019	1122	0821	-	0918	0414	1705	1508	3607	2506	3014	2834						
1630	0920	1017	1318	1319	1318	1217	1120	-	0924	0414		2607	3310	2903	2610							
2230	0923	0721	0619	0716	0913	0712	0912	-	1009	0812		3020	2728	2643	2737							

Fall River

KWAJALEIN

0300	1321	1319	1314	1414	1316	1313	1311		1212	1319	1312	1216	1115	1110	1115							
0900	1124	1423	1316	1416	1516	1414	1416		1517	1317	0911	1105	1309	1110	1612	3616	1219					
1400	1017	1023	1122	1116	1116	1413	1416		1514	1515	1512	1506	1807	0208	1613	3210	1409	3101				
2100	0817	0921	1023	1120	1019	1716	1714		1010	1004	2302	2203	2005	1811	1506	1614	1502					

WAKE

0200	1116	1124	1026	0916	0917	1015	0808	0805	1208	3510	3123	3028	2840	2960	2845							
1400	1014	1014	0822	0314	1012	1110	1016	1012		2002	3102	3520	3330	3232	2754	2838	2010	0908				

MAJURO

0230	0816	1019	1020																			
0830	0821	0925	1020																			
1430	0628	0724	0921	0922																		
2030	0926																					

ENIWETOK

0225	0820	1014	0911	1008	1208	1512	0712	0614	0714	0915	0908	0704	3008	0912	0801	0204						
0835	0719	0921	1017	1114	1219	0907	0812	-	0615	0720	1218	0418	1112	-	1204	3406	0311	1028				
1400	0616	0824	0921	0918	1108	1112	1018	1013	0921	0809	1206	0908	1008	1009	2006	3332						
2010	1020	1020	1122	1117	1112	1114	1017	-	1017	0814	1116	0409	0212	3207	2409							

TARAWA

0300					0810	1115	1315		1415	1215	1410	0910	0710	0830	0925	0940						
0900	0905	0805	0905	1005								0720	0940	1160			0540					
1500	0825	0825	0920	0920	0810	0820	0910		1215	1010	0910	0810	1020	0830	0930	0325	0305					
2100	0715	0710	0915	0920	0920	0930	0935		1015	0920	1010	1015	1315	1115	2520	2815						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

23 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	dew																					
0430		0824	0812	0813	1209	1008	1015	-	0915	0911	1518	2322										
1030	0932	0930	1024	0824	0913	0909	0610	-	0709	0415	0513	2416	2530	2828								
1630		0823	0721	0818	0812	0710	0612	-	0514	0612	3018	2820	2826	2842	2735							
2230	0923	0721	0716	0712	0913	0712	0912	-	1009	0812		3020	2728									

Fall River

KWAJALEIN

0300	1021	1122	1117	1022	0921	0913	1116		1010	1210	1002	2608	2213									
0900	1023	1123	1123	1123	1124	1117	0917		1015	1010	1502	2610	2519	2319	2813	3314						
1400	0923	0922	0920	1116	1014	1013	1116		0916	1610	2205	2813	2115	2516	2512	3116	2004					
2000	0916	0814	0716	0913	1011	1307	1311		1110	0810	1501	2710	2710	2722	2719	2806						

WAKE

0200	1008	1008	1009	1108	0706	0904	1206	1205		0301	3306	3309	3509	3505								
1400	1508	1609	1610	1509	1707	0906	1108	1208														

MAJURO

0230	0724																					
0830	0828	0828	0824																			
1430	0621																					
2030	0720																					

ENIWETOK

0200	0917	1026	1119	1115	1115	1016	1013	1015	0918	0612	1907	2804	3522	3306	3112	3114						
0828	0922	0925	0920	1020	1019	1017	0821	-	0920	0610	1909	2409	3525	3322	2317	3044	3627					
1400	0928	0927	0922	0923	1026	1020	1012	-	0510	0710	0112	0903	0510	2822	2620	3250	3148					
2010	1017	1119	1016	0918	0918	0717	0518	-	0618	0315	3519	2116	2724	2925	2822							

TARAWA

0300	0815	0720	0920	0720	0925	0920	1010		0920	1015	1410	1010	1210	1210								
0900	0710	0415	0415	0920	0905	0925	0925		1015	1115	1215	1215	1315	1215	1715	1715	1925					
1500	1020	1020	0920	0920	1025	1015	1020		1025	0720	0905	1010	1020	1615	1815	1810	2610	2915				
2100	1315	1215	1215	1315	1015	0920	1025		1030	1025	1020	0815	0910	1010	0510	0910						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

24 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0430	0726	0635	0628	3619					-	0510	2710	2818	2526	2516								
1030		0812	0913	0916	0927																	
1630		1318	1421	1118	0914	0911	1107	-	0908	0303	3515	2928	2536	2536	2442	2545	2432					
2230			1014	1119	1217	0913	1011	-	0913	2102	3205	3024		2339	2330							

KWAJALEIN — Fall River

0200	0814	0911	0913	0914	1111	1012	0706		0910	0718	2707	2123	2421	2523	2321	2718						
0800	1113	1311	1110	1012	1013	0914	1011		0909	2103	2309	2817										
2100	1016	1213	1216	1121	1124	1123	1122		1118	0311	2720	2107	1514	2116								

WAKE

0200	0912	1012	1115	0918	0922	0816	0713	0708		0904	3213	0626	3423									
1400	1014	1114	1016	1016	0918	0816	0610	0510	-	3414	3312	3014	3214	3513	3324	3210	0112					

MAJURO

0300	FT16																					
0900	0920																					
1500	0820																					
2100	0935																					

ENIWETOK

0200	0812	0816	0811	0814	0815	0814	0616	0616	0714	0412	3516	3414	2822	2827	2422	3066						
0852	0822	0820	0916	0812	0909	0906	0810	-	0910	0411	3511	3507	0712	2726	2830	3406						
1408	0216	0822	0817	1011	1109	1012	1010	0907	0605	3413	3413	2818	2423	2822	2825	3018	3322	0919	2413			
2025	0919	0816	0615	0814	0817	0911	1211	-	0808	0709	3408	2924	2424	2416								

TARAWA

0300	1005	1005	0915	1015	0920	0930	1130		1135													
0900	M80	0920	0915	0915	0920	1010	1020		1020	1025	1220	1010	0815	0710	1015	1630	2315					
1500	0935	0915	0815	0915	1015	1025	1125		1135	1135	1120	1010	0910	0905	1005							
2100	0710	0815	0820	0820	0920	0925	0925		1025	1025	1220	1210	1105	0520	1005	1310						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

25 JUNE 1946

BIKINI

ALT.	2	5	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	deev																					
0600	0819	1020	1022	1119	0915	0914	0916															
1030		1026	1127	1122	1220	0610	0711	-	1012	3205	2812	2719	2624	2325	2630							
1630				0918	1014	0606	0611	-	1209													
2230		0826	1027	0816	0813	1213	1112	-	1312	2613	3016	2529	2532	1431								

xFall River
e Shangri-la

KWAJALEIN

0200	1020	1121	1119	1222	1118	1119	1116		1212	0706	2605	2414	1817	1930								
1000	0923	1028	1128	1033	1126	1027	1125		1323	0706	2810	2612	1716	1511								
1500	1025	1024	1022	1123	1130	1116	1114															
2000	0923	0930	1026	1130	1124	0918	0911		1110	1203	3207	2405	2128	2416	2618							

WAKE

0200	1012	1013	1014	1018	0918	0812	1112	1314	-	0605	0608	0513	0520	0434								
1500	0918	0920	0818	0819	0815	0910	0911	0911	-	0415	0418	3515	0118	3425	2928	3028						
2002	0916	1117	1119	1021	0815	0513	0713	0813	-	0522												

MAJURO

0300	0720																					
0900	FIRA																					
1500	0735																					
2100	FIOO																					

ENIWETOK

0308	1015	1015	1019	1218	1118	1009	1404	1306	1306	0905	0814	2918	2816	2420	3116	3129						
0900	0922	0924	1020	1119	1119	1015	1014	-	1012	1009	0406	2512	2416	3519	1425	3326	1409	3525				
1410	0323	1024	1218	1118	1013	0900	1010	1009	1009	0910	2812	2516	2506	3013	3119	3222	2910	1212				
2015	0822	0922	1018	1115	0915	1010	1014	-	0910	0503	3314	2516	2510	3009	3416	3014						

TARAWA

0300	NRG																					
0900	1015	1020	1220	0920	0915	0920	1025		0925	0925	0930	1115	0815	0915	1605	1625	2715	2710				
1500	0910	1015	1020	1015	0915	0915	0920		1025	1020	1125	1125	1210									
2100	0820	0925	0920	0825	0825	0930	1025		1025	1030	1325	1720	1715	1210	1110	1110						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

26 JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	dew																					
0430			0932	1021	1011	0618	0714	-	0711	2803	3015	2620	2335	2621	2835							
1030			1026	1120	1218	1217	1215	-	1008	1108	3109	2618	2412	2623								
1630		0926	0929	1028	1024	1018	0912	-	1112	1112	2009	2304	1622									
2230		0930	0925	0821	1018	1116	1115	-	1112	2606	2807	2725	2432	2435								

Fall River

KWAJALEIN

0200	0925	1125	1128	1031	1027	1017	1216		1014	1209	3209	2005	1924	2624	2818	2818						
0900	0922	1030	1131	1128	1116	1222	1221		1115	1416	2523	2215	2015	2520	2418							
1400	1024	1026	1222	1120	1113	1208	1221		1116	1212	0504	1811	2211									
2100	1018	1023	1311	1313	1216	1217	1214		1213	1116	1211	1210	3606	2313	1815							

WAKE

0200	1020	1120	1120	1019	0918	0912	0920	0924	-	0712	3110	3124	3120	3142	3128	3024						
0845	0915	0920	0917	0921	1016	1014	1013	0915	-	0612	0213	2914	2931	2748	2826	3026	3019	0706				
1400	0911	1016	0917	1017	1116	1014	1111	1018	-	0811	3508	3118	3032	2838	2928	2818						
2000	0916	1018	1017	1019	0917	0915	0920	0819	-	0412	3213	3225	2933	2733	2722	3018						

MAJURO

0300	0930	0930																				
0900	0925																					
1500	0820																					
2100	0725																					

ENIWETOK

0222	0818	0828	0919	0915	0616	0717	0910	0808	0807	2204	3006	2311	2514	2912	2926	2522	1416					
0845	0818	0923	0924	1021	0919	0818	0616	-	1014	0403	3505	2518	2427	2410	2927	2809	3310	0322				
1430	0822	1024	0919	0915	1118	0915	0817	0917	1017	0106	3308	2323	2323	2422	2522	2726	2711	0630				
2020	0820	1020	1020	1018	1115	1115	1114	-	1214	0105	3112	2104	2525	2316	2218	3016						

TARAWA

0300	0815	0925	0925	0925	0925	0930	1025		1130	1625	1710	1715	1520	1415	1725							
0900	0820	1030	0925	1020	1030	1025	1120		1025	1025	1025	1725	1415	1620	1530	2010	2610	2420	2830			
1500	0920	0935	1025	1020	1020	1025	0925		0925	1025	1025	1220	1325	1520	1525	1525	2910	0205				
2100	0915	1025	1025	0920	0920	0925	1025		1025	1030	1225	1335	1525	1330								

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS — 27 JUNE — 1946

BIKINI

ALT. / TIME (ZEBRA)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	conv																					
* 0430	2117	0919	0902	3408	3114			-	3211	2530	2332	2326										
* 1030	0810	0819	1016	1129	1223	1117	1117	-	1013	3211	3410	2822	1922	1920	2420							
* 1630		0923	0916	1017	0913	0909	1208	-	1207	0308	0406											
* 2230			1021	1023	1222	1017	0613	-	0510	2007	3209	2418	2118									

* Fall River

KWAJALEIN

0200	0921	1023	1122	1319	1317	1221	1216		1307	1417	1217	1912	2816	2616	2230							
0900	1016	1121	1216	1220	1216	1124	1124		1020	1310	1414											
1500	1021	1117	1212	1208	1309	1416	1312		1316	1019	1313	1710	1712	2422	3012	2415	1809					
2000	1016	1120	1216	1114	1512	1415	1014		0805	0515	1318	0823	2011	2213	2511							

WAKE

0240	0920	1020	0916	0916	0816	0812	0612	0610		5610	3218	3034										
0801	0916	0817	0817	0717	0613	0408	0407	0406		5610	3222	3136	3542	3344	2749	2322	3102	0815	0526			
1400	0714	0715	0712	0908	0608	0408	0208	-		3108	3418	3030	3039	2940	2622							
2000	0712	0814	0712	0710	0606	3606	3508	3608		3318	3428	3032	2932	2834	2850							

MAJURO

0300	0610																					
0900	1025	1025	1025																			
1500	[illegible]	1020	1025																			
2100	0720																					

ENIWETOK

0240	0724	0823	0922	0923	1118	1115	1117	1018	1019	1604	3208	2516	1915	1922	2618	2325	2820					
0830	0920	1117	1315	1215	1018	1020	1020	-	1017	0513	1516	2309	2714	1910	2616	3025	0617	1318				
1410	1014	1016	1120	1108	1110	1310	0914	-	1017	0910	1514	2512	2412	2817	2720	2223						
2025	0924	0923	0920	1114	1013	1008	0605	-	1504	1309	3602	2514	2112	2514	2628							

TARAWA

0300	0815	0920	1020	1020	1120	0920	0920		1025	0925	0925	1115	1330	1625	1630	1710	2915					
0900	1020	0935	1020	1220	1025	1025	1020		0925	1020	0915	1230	0535	1630	1530	1215	2515	2825				
1500	0915	0915	1015	1020	1125	1025	1025		0920	0915	1220	1530	1635	1520	1615	2910						
2100	0810	0815	0815	0915	1020	0920	1020		1020	0925	1125	1630	1435	1530	1520	1530						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

28 JUNE 1946

BIKINI

ALT. / TIME (LOCAL)	2 / date	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0430	0923	1023	1019	1015	2025	1116	1110	-	0107	3507	2011	2320	2517	2525	2838							
1030				1017	1215	1314	1410	-	3207	3111	2513											
1630		0810	0711	1211	1006	1407	2404	-	3407	2905	2914	2519										
2230	0616	0612	1011	1011	0909	1009	1306	-	1402	2909	2913	2614	2626									

Fall River

KWAJALEIN

0200	1010	1119	1122	1319	1225	1323	1507		0906	0505	1811	2010	1916	2116	2818							
0900	0916	1018	1118	1118	1315	1218	1414		1106	0405	2304	2115	2115	2513	3016	2614	2615	2311				
1500	0915	0914	1114	1117	1316	1307	1904		1609	1007	2509	2011	2513	2715	2916	2916	2309					
2000	0914	0913	0913	1012	1016	0908	1207		1313	1305	2115	1915	2913	2814	2610	2512						

WAKE

0200	0916	0909	0813	0708	0611	0606	0808	0508	-	3314	3213	2928	2932									
0813	0815	0817	0914	0813	0809	0906	0908	-	0708	3309	3117	2928	2832	2943	2857	3053	3217	0912	1324			
1400	0810	0612	0710	0708	0706	0602	3302	-	3404	3210	3020	3025	3030	2945	2948	2938	3014					
2000	0612	0511	0509	0104	0407	0508	0507	-	3207	3312	3122	3028	3045	3054	2865							

MAJURO

0300	0815	1015	1015																			
0900	0720	1010	0915	1020	1015																	
1500	0415																					
2100	0720																					

ENIWETOK

0245	1120	1116	1119	1118	1211	1015	0708	0810	0708	1206	0804	2813	2519	2524	2723	2825						
0839	1017	1017	1016	1012	0909	1014	0913	-	0812	1310	1116	2807	2324	2620	2950	3012	3111	1117	0614			
1410	1012	1011	1112	1016	0810	0808	0812	0814	0912	1508	2705	1808	2716	2416	2816	2920						
2010	0914	1115	1013	1210	1010	1005	1108	0705	2003	3403	3206	2307	2716	3022								

TARAWA

0300	0810	0815	0920	0920	1020	1115	1015		1020	0615	1020	1520	1540	1525	1525	1525	1915					
0900	0610	0705	0910	0910	0915	1215	1015		1025	0715	1220	1525	1335	1330	1535	1615	1715	2715				
1500	0510	0810	0810	1015	1115	1120	1015		1020	0410	1610	1735	1240	1230	1630	1005						
2100	0410	0715	0815	0915	1015	1020	0915		1215	0415	0740	1535	1320		1605							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS — [illegible] JUNE 1946

BIKINI

ALT.	2	4	6	8	10	12	14	16	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
TIME (LOCAL)	400'																						
0430		0812	0610	0706	1007	0807	0802	•	1308	0806	0807	0805	0704	0705	0705								
1050	1012	0812	0610		1508	0906	1806	•	1306	1105	0807	1115	0700	0806	1006	0806							
1630		0909	0506		1106	1108	1504	•	1001	1002	1010	1110	0811										
2250	1009	0707	0604	0701	1202	1212	1007	•	1006	1003	1310	0706	1007	1004	1005								

Fall River

KWAJALEIN

0200	0810	1007	1012	1113	1080	1013	0810	•	1310	1007	1010	0815	1013	0715	2610								
0900	1010	1107	0907	0921	0980	1016	1012		0910	1008	1008	0812											
1400	0707	1205	1007	0915	0918	1116	1010		1308	0908	1007	0912	1114	1430	1318	0810							
2000	0405	1404	0908	0915	1115	1117	1110	•	1116	0810	0908	0806	1011	1206									

WAKE

0812	0706	0707	0608	0506	3602	0605	0508	•	3610	3002	3006	3021											
1400	1005	1305	0906	0506	03305	0102	0508	•	0305	3302	3140	3040	3040	3060	3240	3040							
2000	0708	0904	1304	0804	3104	2602	3602	0804	•	3318	3048	3144	3050	3308	3050	3258							

MAJURO

0300	0615																						
0900	0620																						
1500	0720	0920	0915	0915																			
2100	FIRA																						

ENIWETOK

0250	0810	0914	1116	1113	1109	1007	1005	•	0901	0602	3306	1304	2516	2522									
0835	0816	0914	0913	1018	0915	1010	0810	•	0710	3107	3609	2110	2622	2719	3022	2613							
1605	0908	1106	1108	1110	1210	1010	0905	•	0603	0108	3514	3116	2708	2519	3324	3326	3226						
2005	1107	1205	1206	1107	1407	1206	0905	•	0709	0210	3514	3009	2813	1220	3325	3326							

TARAWA

0300		0410	0510	0910	0810	0915	0815		1180	0925	0810	1115	1130	0925	0930	1040							
0900	3010	0505	0610	0610	0610	0615	0610		1110	1105	0805	0730	0930	0825	0825	0925	1015	1620					
1500	3010	3010	3205	3005	1705	1805	0810		0815	0810	0925	0825	0725	0425	0425	0815	1220	8720					
2100	1705	2005	0805		0710	0710	0810		0810	0910	1115	0925	0835	1035	0945	0415							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

30 June 1946

BIKINI

ALT. TIME (Local)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	ddvv																					
0430	0526	0414	0210	0906	1010	1610	1909	-	1907	2508	1410											
1030	0719	0717	0514	0509	1211	1507	2006	-	2206	2805	3212	2914	3329	3330	3338							
1630	1015	0918	0913	0912	0811	0916	2601	-	3109	3305	3309	3007	3623									
2230	0916	1216	1115	1116	1115	0911	1306	-	3504		3404	Calm	3624	3538	3439	2524						

Fall River

KWAJALEIN

0300	0512	0411	0805	0914	1015	1216	1110		1109	0804	0103	3605	3315	3515	0123	3609	1914					
0800	0613	0711	0813	1112	1117	1219	1016		1113	0704	0203	0702	3512	3613	0313	0304	1116					
1600	1209	1518	1318	1217	1319	1019	0921		0922	1010	3606	3409	0117	1601	3619	3010	3020					
2100	1216	1309	1322	1426	1427	1421	1116		0913	1215	1011	1509										

WAKE

0300	-	-	1002	0406	0302	3008	-	-	-	-	3134	3240	3350	3316								
0845	0510	0510	1802	3502	3003	3210	3010	-	2808	3010	3238	3240	3340	3350	3260	3128	3315	0732	0712			
1400	0808	0605	0503	2004	2002	3012	2809	-	2715	2916	3135	3138	3450	3251	-							
2000	1010	1008	0606	0502	2203	3005	2913	-	2914	3118	3230	3139	3352	3358	3288	3351						

MAJURO

0300	1015	1110	1210	1215																		
0900	0920	0925	1020	1015	1120																	
1500	1215	1210	1220	1220	1220	1215																
2100	0915	1020	0920																			

ENIWETOK

0228	C30,	0506	0108	1210	1210	1407	1604	-	1704	1708	1208	1610	3022	3426	3520	2822						
0945	0714	0612	0807	1307	1404	2703	2004		2007	3613	3205	3518	3320	3526	3526	2720						
1417	0714	0814	0712	0904	1005	0703	0704	1103	1203	2408	3208	3513	3525	5								
2010	0916	0815	0712	0809	0909	0809	0403	-	1102	0309	3104	0114	3635	3636	3516	3120						

TARAWA

0300	1910	1610	1515	1515	1410	1115	1120		1120	0915	0820	0920	0815	0815	3510							
0900	1105	0905	1020	0920	1110	1220	1220		1220	1115	1020	1120	0620	0525	0525	0115	1605	2855				
1500	1905	1205	1005	1015	1015	1020	1025		1325	1120	1130	1035	0930	0425	0330	0320						
2100	1205	0805	0910	1010	0915	1015	1225		1325	1225	1120	1125	0930	0830	0420	0405	0705					

BIRD DOG 3

BIRD DOG 4

JUNE UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		15000		16000		18000		20000		25000		30000		35000		40000		45000		50000		55000		60000	
SAIDOR	7	0200																	10	36					09	18	06	22	09	14	31	03										
MT. McKINLEY	7	0600													10	22	08	15	08	17					09	08	09	14	09	06	CALM		30	10								
SAIDOR	7	1500															14	26	09	22					10	22	11	19	09	09												
SAIDOR	8	0200													08	17	12	14	08	18					07	35	10	11	10	07	34	05										
	8	1200	06	18													08	13	06	18					09	20	09	18	05	26	33	09										
	8	1800	06	15					10	07	05	13	07	15					08	13					09	20	08	20	09	24	08	12	27	08	21	20	31	16	31	24		
MT. McKINLEY	9	0600	06	15									04	08					07	12					08	09	08	10	07	12	22	12										
	9	1200	09	15			09	20	07	14	38	16	36	11	09	10																										
	9	1800	07	12	07	24	04	15	02	12																																
	9	1900	06	10	10	14	09	21	07	10	06	20	07	08	09	08	09	07	07	11					11	22	10	24	09	22	10	11	20	13	21	10	18	07				
	9	2300							08	20	04	12	36	16	03	12	34	03							05	09	10	18	10	12												
	10	0100	09	16					10	18	09	22	07	16	10	16	13	13	11	06					07	06	10	10	09	17	10	17	03	09	31	09	34	11	33	06		
	10	1400	09	20									12	12	10	15	09	15	08	10					08	14	CALM															
	11	0100	09	12	10	14	12	16																																		
	11	0300	09	15							12	16	12	16	13	16	12	10	12	19					09	15	10	12	10	10			30	24								
	11	0600																	09	15							03	14	31	20												
	11	0700	07	12			07	26	09	18	02	14	13	13	15	14	12	13	10	18																						
	11	1300	08	14					07	15	07	14	13	08	15	06	10	14	09	11					06	09																
	11	2100	08	14							04	16	07	09	02	08	08	11	10	08					06	11	33	04														
	12	0200	07	12					07	17	03	11	07	09	01	05	05	09	06	14					03	13																
	12	0800	07	11					06	14	06	12	03	09	02	10	06	12	03	13					03	10																
	12	1500	09	10									05	13	04	10	04	14	03	14					03	08																
	12	1800	07	12	04	07	08	08	06	08	[illegible]	12	02	05											26	25			28	46	27	38	31	39								
	12	1900	07	10	06	09	06	14	06	14			01	08																												
SHANGRILA	13	0000	07	12									08	07	05	06									23	09	27	08	25	06	26	24	26	32								
SAIDOR	13	0300	05	10					06	18	06	18	07	08	06	05																										
SAIDOR	13	0900	05	12	07	18	07	18	06	09	04	05	07	01																												
SHANGRILA	13	1200	06	14					04	10	13	05	15	07	16	06	18	05							28	12																
SAIDOR	13	1500	07	06	07	14	07	13	10	06	08	02	32	02	31	02	13	02	22	01					26	09	25	10	26	18												
SHANGRILA	13	1800	08	15	07	18			10	15	07	09	10	07	10	02			10	01					29	08																
SHANGRILA	14	0000	08	12																					23	04	27	11														
SHANGRILA	14	0600	04	14	06	16									09	05	16	05							32	09																
SAIDOR	14	0900	09	12	09	17	08	12	06	10	06	08	10	07	10	07	09	04	18	02					26	12	26	20	27	33	27	39	27	44	28	37						
SHANGRILA	14	1200	05	14	07	21	09	21			12	03	12	05	16	06	14	05							33	03	28	15														
SAIDOR	14	1500	08	09	18	12	10	12	12	06	14	06	16	05	17	07	20	11	32	11					30	09																
SHANGRILA	14	1800	07	15	08	21	07	21	10	14	09	18	06	11	12	11	11	03							25	04																
SAIDOR	15	0300	08	10	08	15	07	15	07	07	08	04	12	04	16	05	15	08	14	12																						
MT. McKINLEY	15	0600			07	17	06	13	10	07	14	07	17	04	20	02	21	06	23	07					27	11	26	18	25	27	31	56										
WAGECUT	15	0900			09	13	08	20	06	15	05	10	09	06	14	05	22	05	24	05					27	25	27	25	28	32	30	46	26	42	31	44						
SAIDOR	15	0900	08	12	06	16	07	17	05	18	03	06	10	02	08	06	21	05	13	06					26	14	27	21	28	26	33	36										
FALL RIVER	15	1030	08	14	09	18	09	12	09	10	09	03	09																													
SAIDOR	15	1500	05	07	08	21	06	20	06	08	08	09	34	04	04	06	04	08	08	05					27	13	27	22	31	32	27	32	30	39	29	32	29	35	28	16		
SHANGRILA	15	1800	06	13	08	21	10	17	10	13	09	17	10	20	13	08	04	08							00	07	01	04														
SAIDOR	15	2100	10	10	09	18	08	12	07	09	08	10	08	10	09	04	27	02	31	07					28	12	32	10														
WAGECUT	16	0000	07	12	07	11	08	10	12	04	08	10	09	06	06	02	CALM		28	01					25	11	31	13	30	28	30	30										
SAIDOR	16	0300	07	05	07	16	09	12	10	06	08	08	09	05																												
MT. McKINLEY	16	0600	07	16	10	16	08	12	08	09	10	09			16	06	16	02	26	04					26	13	26	17	31	30	31	39										
WAGECUT	16	0900	07	12	08	15	09	10	10	14	11	15	12	13	15	09	16	06	20	05					26	10	29	18	32	36	31	50	31	48								
SAIDOR	16	0900	08	13	09	17	10	18	11	11	11	15	08	10	14	08	13	05	14	02					26	11	27	15	31	50			31	53	31	45	30	32				

JUNE UPPER WINDS

SHIP	DAY	TIME	SURFACE		3000		6000		9000		10000		12000		14000		15000		20000		25000		30000		35000		40000		45000		50000		55000		60000		65000		70000	
SHANGRILA	16	1200	07	18	08	25	11	27	10	22	10	18	11	16	12	13					13	07	20	14			31	37												
SAIDOR	16	1500	08	10	08	23	10	16	11	16			12	10	14	09	18	12	19	12	27	07	31	16	31	30												
SHANGRILA	16	1800	06	15	07	21	09	20			14	12	09	11	09	08	10	11					29	22														
SAIDOR	16	2100	06	14	07	23	10	22	09	18	11	15	09	10	13	08	13	07	16	07																		
SHANGRILA	17	0000	08	16			09	16	10	18	12	19	12	16	10	13	10	15			36	06	22	14														
SAIDOR	17	0300	07	10	07	17	10	11	08	16	10	13	09	12																								
SHANGRILA	17	0600	06	14	06	15	06	14	09	11	14	13	11	14	11	11	10	12																				
MT.McKINLEY	17	0600			07	18	06	12	11	14	13	12	11	13	10	12	09	10	11	07																		
SAIDOR	17	0900	06	08	07	13	09	18	11	17	10	15	09	14	14	13	11	14	13	11	23	17	28	18														
MT.McKINLEY	17	1100	09	20	08	20	06	19	06	15	10	15	10	19	10	19	11	16	12	11	28	05	27	13	32	15	28	23	30	29	30	18	26	24	29	26	36	16	08	16	08	36
SHANGRILA	17	1300	07	15	08	17	07	21	06	17	09	19	10	27			11	23			20	13	27	14	30	14	28	25												
SAIDOR	17	1500	07	12	07	18	08	21	07	18	09	16	11	26	10	26	11	24	11	17	21	08	27	18	30	22	30	29	29	27	26	21	26	20	29	09	01	13	36	14		
SAIDOR	17	2100	07	14	09	18	10	22	10	28	09	25	09	25	10	26	10	09			24	16	27	17	30	31														
SHANGRILA	18	0000	08	14	09	21	10	21	09	23	08	31	07	32	09	31	09	32																				
SAIDOR	18	0300	06	14			07	38	08	20	08	26	09	30	10	20	11	15	13	13	26	06	29	20														
WAGECUT	18	0300			08	15	08	23	08	25	08	33			11	25	09	20	10	17	29	01	27	02	24	14	22	22	22	43	21	55						
SHANGRILA	18	0600	08	14	08	22	09	24	08	28	08	28	08	29	09	25	10	21																				
MT.McKINLEY	18	0600	07	19											10	24	10	24	10	22			28	12														
SAIDOR	18	0900	07	12					08	23	09	28	29	32	12	21	12	23	12	31	23	06	30	17	26	17	28	45	28	33								
SHANGRILA	18	1200	06	14	07	19	09	18	07	26	08	24	06	24	09	26	09	23			24	11	27	10	21	32	20	33										
SAIDOR	18	1500	09	12							10	19	09	27	10	28	12	25	14	19	33	06	11	15	21	49	22	31										
WAGECUT	18	1500	06	13	06	18	07	18	07	22	09	27	09	27	09	24	11	28	12	30	04	10	32	10	21	28	20	33	20	42	19	43	22	39				
SHANGRILA	18	1800	07	15	08	21	10	22	07	13	07	16	08	20	09	24	10	36	09	30																		
SAIDOR	18	2100	05	18			07	25	09	26	08	25	08	24	08	18	10	22	10	18	17	05			23	17	17	07										
SAIDOR	19	0300	07	07					09	24	08	25	09	31	09	20	07	20	07	16	32	07	21	19														
SHANGRILA	19	0600	08	16	09	20	10	18	08	18	07	21	07	18	08	21	10	24			10	28	10	17	19	14												
MT.McKINLEY	19	0600			08	20	10	22	08	19	08	20	07	21	08	22																						
SAIDOR	19	0900	09	14					07	20	07	19	07	21	08	22	10	28	09	23																		
SAIDOR	19	1500	06	16									08	15	08	19	10	14	11	24	13	18	16	14	19	15					15	17						
SHANGRILA	19	1800	07	20	06	28	06	23	08	22	10	20	08	21	11	18	14	22			13	19	14	14	16	09					10	14						
SAIDOR	19	2100	06	18							10	17	09	17	12	18	10	20	12	24	11	12	15	07	21	11	15	16	20	16								
SAIDOR	20	0300	07	15					07	22	10	17	11	19	09	19	09	18	09	18	13	40																
WAGECUT	20	0300			08	29	08	25	10	21	11	15	11	11	09	11	08	12	08	15	12	13	13	15	17	26	09	21										
SHANGRILA	20	1200	08	19	06	13	06	16																														
SAIDOR	20	1500	06	19					09	13	10	14	10	09	09	21	10	17	08	12	07	17	05	09														
SHANGRILA	21	1800	06	16	07	27			11	15	12	19	09	18	11	18	08	13			10	25	09	20	09	18	07	18	04	16								
SAIDOR	20	2100	07	14							12	08	09	12	08	25	07	14	09	15	10	12	03	12	34	11												
SHANGRILA	21	0000	05	27	08	21					09	20	09	16	09	11	09	18	08	18	09	24	09	14	14	10	22	12	20	07	10	23	14	20	20	06		
SAIDOR	21	0300	06	14							07	19	08	14	08	17	07	12	07	16	12	13	02	12														
WAGECUT	21	0400			08	28	10	22	10	18	09	15	07	20	01	15	08	14	08	14	11	15	08	11	21	15												
SHANGRILA	21	0600	08	18																	09	20	09	09	16	10	14	12	11	22								
SAIDOR	21	0900	07	18			08	34	13	15	10	12	07	12	07	14	04	10	03	11	10	15	03	12														
WAGECUT	21	1000			08	17	08	20	10	11	11	17	15	11	07	06	06	12	05	13	09	15	14	11	22	12	10	10										
SHANGRILA	21	1200	06	17	07	18	07	20	10	16	10	16	11	10	12	08	10	14			09	14	11	24	09	07	10	12	10	18								
SAIDOR	21	1500	08	15			08	19	10	12	10	10	11	07	14	04																						
SHANGRILA	21	1800	07	20	07	26	08	28					06	15	06	12	09	13			06	16	09	20	08	21												
SAIDOR	21	2100	07	16							10	13	13	08	06	05	05	09	06	09	07	16	12	13														
SHANGRILA	22	0000	11	24					10	17	07	16	09	08	09	12	10	12			08	19	08	20	12	09	11	15										
SAIDOR	22	0300	07	15					08	11	08	19	08	12	10	09	09	14	10	12	09	19	11	14	13	08	13	10										
WAGECUT	22	0300	06	23			08	24	08	20	09	18	11	13	12	10	08	13	01	15	09	12	11	11	10	04	26	05										

JUNE UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		15000		20000		25000		30000		35000		40000		45000		50000		55000		60000		65000		70000	
SHANGRILA	22	0600	10	21							11	24	12	22	14	16	13	10																						
SAIDOR	22	0900	10	18											10	18	10	18	09	18	06	15	10	08	15	10	35	12												
SHANGRILA	22	1200	10	14	10	21	10	26	12	27	11	18	10	18	12	17	14	16			14	14	09	16	16	10	18	07	17	08	31	09	19	34						
SHANGRILA	22	1800	08	14					08	19	11	20	01	17	10	19	12	12																						
SAIDOR	22	2100	07	13					10	13	10	19	08	10	13	15	12	16	14	17	09	13	31	10	25	12														
SHANGRILA	23	0000	09	20							10	21	09	26	10	25	09	29			09	21	11	10																
SAIDOR	23	0900	08	18			09	25	08	20	08	14	09	09	07	06	07	07	09	07	08	07																		
SHANGRILA	23	1200	10	18	09	26	09	26	07	28	08	21	08	15	11	12	10	09			07	12	36	11	22	12														
SAIDOR	23	1500	06	14					06	15	08	14	09	11	11	22	08	13																						
SHANGRILA	23	1800	06	12	09	23	08	28	12	20	11	12	08	14	06	12	09	12			08	14																		
SAIDOR	23	2100	08	12							06	09	09	12	06	12	05	12	09	06	07	09	28	13	27	15	25	31												
SHANGRILA	24	0000	08	14							06	16	05	15	07	12	08	11			10	10	07	06	30	23	24	33	28	28										
SHANGRILA	24	0600	08	18	07	26	06	33	04	28	36	19									09	10	27	10	29	18	25	26	25	19										
MT. McKINLEY	24	0600	07	16			08	23	07	22	06	13	08	13	07	13	09	07	10	07			30	10	29	20	25	35	27	42										
SAIDOR	24	0700					07	22	06	26	06	22	08	16	11	10	10	08	08	06			31	24	28	31	26	33	24	38	25	34								
SHANGRILA	24	1200	06	14	10	30	11	32	31	36	31	38																												
WAGECUT	24	1400	08	14			10	18	10	18	10	15	09	12	09	11	11	10	12	10	04	03	33	16	28	28	25	36	25	36	24	42	23	45	24	32		
SAIDOR	24	1500	08	18			09	22	10	17	07	10	07	15	10	11	08	10	10	10	36	11	30	18	29	31												
SHANGRILA	24	1800	08	16	08	21					09	19	10	16	09	10	08	23																				
SAIDOR	24	2100	07	15					14	21	15	21	11	20	09	15	08	10	09	12	13	10	20	05														
SHANGRILA	25	0000	08	16									10	10	09	15	11	16	12	17	11	08	29	09	01	09	24	22	23	22	25	16	20	06	16	20	27	24		
SAIDOR	25	0300	06	15									10	12	09	11	08	09	09	13	26	04	27	08	27	29	26	30	24	14	23	34								
SAIDOR	25	0900	07	18			09	17	09	23	10	23	11	18	10	10	09	14	07	19	22	07	34	10																
SHANGRILA	25	1200	06	22	07	26	07	24	08	22	09	22	11	26	10	22	10	18			11	12	27	12	22	16	16	30	24	32	26	28	10	20	10	14				
SAIDOR	25	1500	06	12							14	23	11	19	06	08	06	10	07	19	22	07																		
SAIDOR	25	2100	06	18									05	12	07	10	12	16	07	08	36	06																		
SHANGRILA	26	0000	08	22					08	26	09	29	09	28	09	31	10	29	09	22			13	13	15	06	31	23	19	21	22	29	25	24	28	24	27	24		
SHANGRILA	26	0600	08	19	07	24			11	31	10	30	11	29	10	25	10	17			08	08																		
SAIDOR	26	0900	07	18							10	22	11	20	12	17	11	14	11	13	20	05	35	16																
SHANGRILA	26	1200	09	18	09	37	09	36	09	38	10	36	10	31	10	29	09	24			12	17	09	08	13	08	27	04	28	08										
SAIDOR	26	1500	06	15									08	22	12	19	12	14	12	17	16	07	26	03																
SHANGRILA	26	1800	10	13					16	44	12	27	07	27	11	22	12	20			10	18																		
SAIDOR	26	2100	15	20									13	23	09	14	09	14	14	12	34	06																		
SAIDOR	27	0300	06	12							08	20	12	25	09	21	09	20	09	18	18	20	26	15																
WAGECUT	27	0300			08	18	09	18	10	22	10	25	11	18	09	17	10	12	11	06	28	07	29	10	26	29														
SHANGRILA	27	0600	07	20	07	29	08	30	08	20	10	20	29	16	10	22	11	16			09	10	09	05	09	05														
WAGECUT	27	0800			09	37	10	30	10	20	10	12	11	27	10	18	09	18	11	15	33	02	33	17	29	19	22	17	19	31	25	28								
SAIDOR	27	0900	08	12					12	19	10	17	12	22	13	23	12	28			13	12	31	17																

JUNE UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		16000		20000		25000		30000		35000		40000		45000		50000		55000		60000		65000		70000	
SAIDOR	27	1500	08	14'									11	12	13	18	16	20	14'	15	29	03																		
SHANGRILA	27	1800	10	13	09	22	09	34'	10	30	10	38	12	17	12	13	12	14'			10	19	04'	04'																		
SAIDOR	27	2100	09	15	08	29	11	24'	12	23	11	19	11	22	10	22	04'	18	05	13	35	11	32	20																		
SAIDOR	28	0300	07	15	08	30	11	25	11	16	11	15	10	16	13	13	11	10	14'	07	02	13																				
WAGECUT	28	0300			10	22	10	18	10	19	10	19	10	18	13	12	10	09	11	03	01	15	19	17	24'	08	20	11												
SHANGRILA	28	0600	09	14'	09	19	08	18	09	30							21	16			10	06	02	09	32	10														
SAIDOR	28	0900	07	12							12	24'	16	17	13	19	12	15	28	03	23	16																		
WAGECUT	28	0900			08	15	10	15	11	15	11	14'	14'	14'	12	15	12	10	10	24'	21	17	24'	10	25	17														
SHANGRILA	28	1200	08	15	08	17	08	16	06	18	09	08	13	06	12	12	10	03			05	04'	20	16	24'	14'	21	22	28	16	28	09	12	05	08	12						
WAGECUT	28	1500			07	13	08	12	07	13	12	11	10	06	14'	07	14'	04'	34'	04'	29	05	26	13	27	13														
SHANGRILA	28	1800	08	15	07	17	08	16	09	16	09	15	11	14'	11	05	13	04'			12	05	25	08	19	18	25	09	26	12	24'	12									
SHANGRILA	29	0000	08	14'	08	16	09	14'	09	11	07	13	11	11	08	07	12	10																						
WAGECUT	29	0300			09	13	09	13	07	07	09	09	09	06	09	03	06	03	06	02	31	07	27	14'	28	14'														
SHANGRILA	29	0600	07	13	07	14'	07	08	07	10	08	17	10	16	09	10	07	10			15	03	30	12	24'	13	21	13	27	16	31	22	28	15	26	09	26	08	31	16	36	23
SAIDOR	29	0900	06	10	07	15	07	13	06	12	08	17	14'	10	13	11	08	08	07	07																				
SHANGRILA	29	1200			07	14'	06	09	10	06	08	14'	07	17	08	23	10	22			14'	11	34'	09	34'	10														
SAIDOR	29	1500	10	06	10	12	09	09	06	07	04'	06	13	05	13	04'	15	05	17	05	29	08	29	14'	29	12	29	27	30	31	31	40	30	26	30	28				
WAGECUT	29	1500			11	11	10	08	05	08	06	06	14'	09	10	06	16	04'	19	02	36	02	32	13	31	13														
SHANGRILA	29	1800	06	06	06	06	12	02	11	15	09	15	07	20	09	20	10	16	10	15																				
SAIDOR	29	2100	09	08	10	09	07	07	04'	04'	07	01	12	02																										
SHANGRILA	30	0000	05	10	05	12	36	10	05	04'	06	12	07	10	10	17	10	20			05	05	01	04'	34'	24'														
SAIDOR	30	0300	04'	06	04	07	03	09	03	08	03	07																												
WAGECUT	30	0300			03	10	03	13	03	05	05	05	13	05	15	08	21	06	18	05	35	08	31	13	29	19														
SHANGRILA	30	0600	05	11	04'	18	03	15	07	07	08	11	09	14'	11	16	10	20	10	06	01	05	31	06	32	12	33	26	34'	11	32	04'	25	04'	33	07	31	08		
MT. MCKINLEY	30	0600			06	16	04'	15	04'	12	03	05	11	06	14'	08	17	05	19	07	20	08	35	08	28	14'	32	31	32	38	33	44	33	44	24'	12	29	32		
SAIDOR	30	0900	06	13	06	18	06	18	06	15	07	07	11	12	15	14'	14'	08	16	06	24'	08	36	12	29	15	32	23												
SHANGRILA	30	1200	06	13	08	16	09	16	09	18	10	13	09	18	11	17	10	14'			08	07	04'	06																
SAIDOR	30	1500	09	10	09	18	09	21	09	20	08	10	07	10	10	06	14'	05	14'	05	27	10	31	09	27	03	34'	27	36	32										
SHANGRILA	30	1800	11	14'	11	20	12	18	24'	16	13	17	13	22	12	25	09	24'			03	06	11	14'	33	15														

UPPER WIND OBSERVATIONS

1 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	4000																					
0200		1112	1413	1215	1215	1209	1104	3602		1302	2703	0607	0218	3534	3533	2428						
0500		1114		1412	1311	1423	3002	3001		1409	0506	0306	0114	3633								
0700	1216	1313	1409	1311	1410	1110	0706	0105		1511	0408	3622										
0905	1313	1314	1415	1211		1207	1009	1007		3304	1808	3406	3402	0708	0326							
1400		1314	1312	1212	1315	1114	1109	0205		1515	2802	3304	0805	3622	3327							
1500		1414	1208	1213	1212	1007					3607	1717	2703	3401								
1700		1212	1213	0914	1214	1315	0746	0405		1708	2306	3104	Calm	3524	3228	2733	2824	0911				
2200	0916	0917	1028	1113	1122	1324	1309	1202		1708	1905		2310		1411	3314	2233					

* Fall River *Mt McKinley - Saidor

KWAJALEIN

1400	0711	1010	0915	1018	1019	1018	1116		1014	1316	1307	2008	2011	1410	3405	2522	2819					
1700	0711	0807	1010	0910	1020	1017	1016		0916	1317	1510	2012	2016	1911	0905							
2100	0816	1015	0716	0918	0916	0917	0914		1014	1419	1506	1412	1506	0911	2207	2908						
2300	0716	0916	0919	1021	0920	1117	1117		1116	1216	1509	1812	1616	1623								

WAKE

0800	3102	2003	0506	2007	2106	2112	0708	1406	3012	3021	2925	2825	3124	3246	3346	2132	3629	0620	0730			

MAJURO

0300	0820																					
0900	0915	1010	1415	1015	1025																	
1500																						
2100	0625	0730	0625	0825																		

ENIWETOK

0200	0810	0810	0713	0812	0809	0909	1002	0702	0302	0606	3205	0507	0146	3632	3524	2914	2818					
0658	0713	0913			0910	1007	3503		0104	1010	1207	0812	0407	0140	0144	3112	3024	0714	0516			

TARAWA

0300	0410	0710	0810	1110	1510	1015	1110		1115	1105	1125	1025	0115	1044	0725	0425	0915					
0900	0910	0610	0715	0820	1215	1320	1020		1225	1025	1025	0920	1020	0610	1215	1115						
1513	1111	0811	0710	0908	1112	1012	1019		1132	1024	0930	1124	0918	0415	0309	1207	2818	2410	0528			
2145	0610	0708	1206	1011	0913	0917	1024		1124	1138	1032	0924	1030	0717	1212	0601						

BIRD DOG 3

1000	1111	1111	3546																			
								125	N	180												

BIRD DOG 4

								12	N	150												

UPPER WIND OBSERVATIONS

2 JULY 1946

BIKINI

ALT. / TIME (LOCAL)	2 / GMT	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0430	1020	0918	0915	0913	1112	1310	1309	1006	0904	1704	1805	2408	2216	2214		2814						
1030		1218	1016	1117	1116	1215	1215	1214	0812	1513	1615	1717										
1630		0911	0911	0810	1015	2113	1116	1115	1214	1513	1906	2211	1915	2224	2020							
2230	1024	1021	0919	0918	0812	0911	1009	1206	1405													

Fall River

KWAJALEIN

0300	0915	1125	1220	1215	1215	1315	1415		1110	1315	1310	1815	2015	2615								
0900	0915	1120	1120	1020	0920	0925	1020		1225	1325	0720	1515	1120	2120	2625							
1500	0715	0815	0715	1015	1115	1015	1015		1210	1220	1315	1315	1715	1510	2220	2740	2715					
2100																						

WAKE

0300	1610	1610	2010	2315	2315	2315	2615	XXX	2615	2715	2725	2925	2525	2520	2525	3120						
0900	1810	1810	0525		2315	2310	-		-	2720	2620	3225	2010	3225	3115	2425	2420					
1500	1610	1510	2110	2115	2120	2315	2315		-	2415	2515	3125	3215	3210	3120	0715						
2100	1215	1710	2010	2020	2020	2020	2020	2020	2020	2715	2525											

MAJURO

0300																						
0900	0920	1020	1015	1215	1220	1425	1020			1125												
1500	0825	0920	1030	0815	0815																	
2100	0920	0920	1025	0930	0420																	

ENIWETOK

0300	2005	1515	1515	1215	1215	1215	1215		1010	0505	1205	0805	0705	0605	Calm	0140	0140	2715				
0900	1010	2015	1010	1210	1315	2510	0705		1205	1510	1305	1005	2305	2825	3535	2525						
1500	0910	1015	1115	1120	1315	1010	1010		1115	1010	1215		2305	2415	2415	2430	2730	3305				
2100	0910	1015	1015	1115	1115	1215	1215		1215	1210	1205	2710	2115	2020	2115	2815						

TARAWA

0255	0708	0907	0911	0915	0916	0916	1023		1121	1027	0938	0918	1024	1018	2507	2706						
0955	1207	1111	0905	0818	0823	0621	0922		1031	0926	0942	0824	1121	1117	1611	2010	2409					
1505	1107	0912	0916	0817	0818	0818	1019		0924	0931	1024	0826										
1655	1107	1207	1009	0912	1015	0917	0918		0918	0920	1036	-	-	1314	1222	1519	1714	1510	3106	2706	0411	2726

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 5 JULY 1946

BIKINI

ALT. / TIME (LOCAL)	1 sfc	5	8	9	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0500		1015	1119	1226	1125	0923	0818	0915	0912	1007	1315	0715	2114									
1100		1116	1215	1015	1018	0920	0914	1014	1014	0922	1212	2209	1812	2220								
1700	1016	1014	1010	0809	0810	0912	0313	0916	0916	1122	0917	1408	1715	1714	2120	2612	1113	0810	1119	1011		
2300	0610	0605	0607	0721	0914	0819	0918	0920	1022	1026	1118											

Fall River

KWAJALEIN

0200	0920	1021	1020	1025	1022	0923	1126		1124	1417	1110	1410	1514	1720								
0800	1116	1218	1116	1017	0919	0926	1024		1024	1206	1319	1523	1329	2022	2722							
1400	1013	0815	0916	0916	0916	0925	0926		1030	0603	1110	1334	1118	2003	2910	1111	1110	0703				
2100	1027	0924	0816	1013	1017	0922	1130		1032	1032	1123	1024										

WAKE

0300	1820	1620	1815	2015	2120	2325	2020	2720	2615	2515	2610											
0900	1815	0820	1820	1920	2010	2220	2215	2215	2410	2415	2420	2525	2625	2540	2725	0820	1235					
1500			3015	1915	2020	2020	2020	2020	2020	2020	2030	2420	2910	3025	2930	3610						
2100	1815	1910	2010	2110	2220	2215	2220	2120	2220	2330	2320	1810	3610	3225								

MAJURO

0300	0815																					
0900	0810	1405																				
1500	0705																					
2100																						

ENIWETOK

0300	1020	1020	1120	1120	1110	1205	1210		1710	1710	1710	1710	2015	2020								
0900	1005	1115	1025	1020	1015	0920	1015		1010	1610	1510	2310	1015	2320	2330	2[illegible]0	1210	1040	1140			
1500	1015	1115	1110	1115	1115	1110	0925		0820	0815	0815	1020	2705	1910	2020	2225	0815	0415				
2100	0810	1105	0905	1010	1115	1215	1120		1120	1035	0705	1105	1605	2510	3620							

TARAWA

0300																						
0925	1815	1509	1208	1007	0714	0719	0718		0723	0828	0934	0731	0818	1011	0708	3304	0415	2624	2732	1623		
1517	2008	1508	1408	0909	0912	0915	0918		0924	0830	0931	0928	0220	0327	3618	0121	0314					
2208	1714	1518	1511	1309	1004	1106	1014		1019	0818	0820	0729	0832	6528	0328							

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

4 JULY 1946

BIKINI

	ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	surv																					
x	0500	0622	0520	0510	0625	0626	0815	1018	1022	1023	1127	1220											
x	1100	0811	0909	1010	1012	0814	0916	1022	1122	1113	1122	1028	1122	1220	2802								
*	1500	0712	0710	0807	0910	0810	0717	0817	0820														
*	2100	0609	0910	0810	0911	0817	0915	1126	1023	1120													

x Fall River * Saidor

KWAJALEIN

WAKE

0300	1615	1810	1910	2115	2015	2015	3020	2120	2125	2225	2325	2720	2615	2720	2715	3015							
0900	1715	1615	1705	1905	1910	2010	2015	2020	2320	2320	2320	2420	2625	2520	2510	2710	0425						
1500	1715	1715	1915	1910	1805	1715	1715	1915	2020	2125	2130	2110	2710	3025	3330								
2100	1610	1605	1605	1810	1815	2015	2015	2020	2020	2020	2525	2515	2815	3120	3310								

MAJURO

0300	0810	0820																					
0900	0715	0715	0820																				
1500																							
2100																							

ENIWETOK

0300	0715	0710	0710	0910	0810	0915	1015		1220	1220	1910	1715	1710	2010	1505	0915	1020	2545	2815	1740			
0900	0815	0815	0810	0810	0920	0820	0920		0820	1120	0415	1715	1810	2310	1920	3605	1510	0930	0930				
1500	0810	0710	0105	0510	0715	0415	1020		1020	1020	1110	1010	1015	1710	1505	1415	0420	0525	0825	0725			
2100	0305	0410	0410	0410	0415	1015	1020		0125	1120	1120	1125	1615	1110	3610	0820							

TARAWA

0328	2204	1709	0703	0911	1017	1009	0916		1023	1013	0931	1027	0810	0609	0723								
0945	1809	1804	1504	1214	1106	0903	0910		0922	0932	0927	0927	1017	0810									
1601	1917	1914	1810	1612	1509	0709	0811		0709	0914	0911	0736	0719	0715	0335	0337	1521						
2135	1911	1822	1921	1918	1811	1210	0917		0917	1115	0716	0823	0421	0527	0520								

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS 5 JULY 1946

724899 O - 47 - 10

BIKINI

ALT. (FEET)	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0500		0916	0813	0614	0516	0818	0824	0828	0830	0835		1211	2620	1823								
1100		1018	1017	0819	0814	0920	0835	0832	0830	0930	2220	0910		0415								
1700	1218	1218	1215	1315	1014	0918	0922	0925	0929	1024												
2300	1012	1215	1214	1210	1114	1119	1120	1022	1023	1026	0923	0718	5624	2703	3211	0211	1126					

Fall River

KWAJALEIN

WAKE

0300	2715	1910	0710	1910	1910	1810	1915	2015	2015	2120	2330	2520	2420	2720	2710	2810	0910					
0900																						
1500	1505	1510	1510	1610	1710	2415	1910	1010	1015	2315	2420	2410	2005	2415	2515							
2100	1610	1615	1615	1610	1615	1615	1720	1710	2015	2315	2320	3510	2915	2930	2820							

MAJURO

0300	0910																					
0900																						
1500																						
2100																						

ENIWETOK

0300	0515	0310	-	1415	0625	0615	1120		1120	1235	1215	1215	1215	1625								
0900	0515	0625	0610	0615	0820	0820	1015		0920	0925	1010	1020	1520	1620	1110	0810	2810	0725	0825			
1500	1510	1215	1010	0915	0915	0920	1020		1025	0825	0925	0715	1010	1515	1415	0910	1115	0525	1030			
2100	-	1425	1310	-	0915	0830	-		1035		1030	0425	2620	1710	0615	0815						

TARAWA

0314	1911	1611	1518	1614	1513	1310	1012		0913	1113	1022	0521	0332	0344								
0922	2511	1807	1610	1411	1309	1310	1115		1115	1028	1035	0919	0820	0622	0321	1030	1124					
1516	2008	2306	1609	1111	1111	1112	1017		1021	1327	1423	0521	0807	0727	0825	0910						
2125	2409	2408	1208	1216	1015	1015	1015		1017	0817	0917	0525	0110	0422	0425	0733						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

6 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (GCT)	ddvv																					
0430					1015	1213	1512	1812	1811	1018	1021	0816	0215	3106	0515	3612						
1100	0720	0719	0812	1106	1206						0911	0719	0613	0414								
1630		0712	0814	0816	0607	0607	0608	0709	0809	0816	0714	0617	0706	0613	0717	0517						
2300		0820	0820	0819	0716	0712	0711	0724	0715	0704	0418	0409										

Fall River

KWAJALEIN

0800	0613	3403	2706	2511	2309	2003	1305		1210	1216	1121	1026	1113	0623	0435							
1500	1907	1803	3103	2905	3108	2903	1103		0709	1010	0813	1213	1120	1011	0422	0234						

WAKE

0300	1615	1610	1615	1210	1610	1515	1510	1610	1510	1705	2810	3410	3320	2920								
0900	1510	1610	1505	1510	1510	1515	1515	1510	1610	1505	2805	3010										
1500	1505	0810	0710	0910	1010	1215	1115	1215	0910	1510	3610	3310	0215	0325	0320	0110	0625	1525				
2100	0910	0915	0910	1015	0915	0915	1010	1010	0610	0810	3605	0310	0620	0420	0610							

MAJURO

0300																						
0900	2710	2410		3010	2810																	
1500																						
2100	2410	2005	0105	0805	0610																	

ENIWETOK

0300	0510	0910	1010	1210	1215	1215	1115		1215	1315	1125	0515	1025	0410	0315	0420						
0900	0810	0810	0910	1510	1910	1310	1115		1110	1125	1120	0615	0515	0215	0415	0320	1035	1025	1025			
1500	0815	0810	0810	0810	0405	0705	1210		0905	0915	1215	0830	0620	0510	0615	0715	0725	0825	0815			
2100	0915	0920	0820	0410	0410	0410	0410		0710	1015	0715		0810	0810	0810							

TARAWA

0310	2005	1008	0709	0708	0907	1111	1016		1011	1617	0923	0521	3307	0421	0427	0625						
0957	0105	0706	0617	0814	1010	1111	1114		1117	1020	0921	0820	0718	0630	0723	1111	1117	2627	2612	2617	2817	
1509	0107	0413	0718	0816	0911	0911	0913		0911	0907	1113	0923	0426	0629	0831	1333	1024	0209				
2130	0115	0413	0612	0712	0915	0715	0812		0915	0815	1016	0826	0818	0732	0822							

BIRD DOG 3

1000	0531	0327	0213	1416	100	0430	0812		0419	1435	1226	1214	1511									

BIRD DOG 4

UPPER WIND OBSERVATIONS

7 JULY 1946

BIKINI

ALT. TIME (LOCAL)	2 GDW	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0430	0928	0921	0921	0918	0815	1014	1019	1016	0916	0524	0225	3610	0507	2210								
1100	0720	0718	0811	1105	1604	1806	1304	1005	0807	0919	0816	0812	0513	0513	0409							
1700	1026	1022	1021	0922	0821		0916	0817	0817	0818	0615	0708	2009	8918	1207							
2300	1022	1021	1022	1024	1126	1020	0920	0840	0819	0622	1008	8805	1505									

Fall River

KWAJALEIN

1400	1309	1405	1208	1207	0909	1010	1220		1316	1206	0713	1310	3304	1610	1706	1620						

WAKE

0300	1415	1415	1410	1410	1115	1115	0915		0515	3615	3615	3210	3210	3215	0505	0425						
0900	1215	1215	1310	1210	1210	0925	1615		0615	0510	0510	0220	0510	0515	0510	1010	1015					
1500	1010	1015	0910	1015	0915	0715	0715		0715	0910	0810	0220	0520	0515	0505	1110	1015					
2100	0810	0915	0820	0820	0820	0820	0820		0920	0815	0915	0520	0510		0810	0815						

MAJURO

0300																						
0900	0610	0110	0115																			
1500	0615	0310	0210	0210	0715	0910	1110		1110	0910												
2100	0610	0310	0615	0810	0615	0715																

ENIWETOK

0300	0920	0715	0715	-	0610	0810	0705		0610	0725	0810	0815	0930	1010	0910	0830						
0900	0820	0720	0715	0105	1015	0915	0715		0615	0410	0425	0415	0610	0710	0710	1020	0825					
1500	0720	1020	0920	1015	0915	0815	0715		0715	0525	0715	2310	2310	2705	1810							
2100	1015	1020	0915	0915	0920	0915	0815		0820	0825	0815	0510	2505	1805	1510							

TARAWA

0320	0211	0413	0311	0510	0510	0521	0710		0910	0615	1017	0920	0817	1325	1323							
0934	0311	0412	0415	0212	0512	0511	0812		0713	0413	0713	0913	0818	1318	1021	1325						
1536	0110	0311	0313	0408	0610	0709	0711		0810	0715	0815	0921	1119	1135	1518	1531						
2229	0212	0210	0611	0215	0209	0207																

BIRD DOG 3

1000	MISG	1019	1037	0920	1790	1430	0841		1004	0907												

BIRD DOG 4

UPPER WIND OBSERVATIONS

8 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	dirv																				
0430	1320	1219	1017	1020	0918	0917	0917	0916	0917												
1100		1122	1020	1017	1114	0910	1012	1115	1216	0918	1229	1014	2008	2609	2417						
1800		1019	0915	0910	0707	0711	0910	0910	1012	1018	0812	1214	1813	2009							
2300		1016	0920	0915	0916	0920	0915	0917	0916	0614	0912	1311	1820	1920	1815						

Fall River

KWAJALEIN

0200	1508	1507	1008	1110	1112	1117	1214		0903	1005	1107										
0900	1217	1116	1118	1222	1319	1322	1316		1517	1512	0106	0810	2010	2605	0806						
1400	0308	0506	0609	0813	0814	0816	1012		1010	1317	1308	0810	1608	1212	1017	1010					

WAKE

1400	1017	1017	1015	0916	0814	0718	0812		0817	1111	0509	0315	1007	0910	0814	1016	0727	0830	0830		
2010	0914	0915	0815	0618	0718	0616	0612		0715	0614	0617	0312	0610	0812	0814	0815					

MAJURO

0300																					
0900	2705	2805	0205	0610	0615	1010															
1500																					
2100	1405																				

ENIWETOK

0300	-	1015	1020		1020	1020	0920		0920	0815	1010	0415	0310	0305	1910	0220					
0900	0815	0810	0820	0820	1225	1225	1115		0815	0915	0815	1015	0915	1805	1815	1910					
1500	1015	1020	1020		0915	0915	1015		1315	1320	1015	1015	1718	1820	1920	1010	2010	1020	0920		
2100	1010	1010	0910	0910	0910	0930	1015		1120	1125	1215	1615	1610	1720	1699						

TARAWA

0320	3504	3506	0808	0107	0109	0705	0715		0818	1021	0918	1019	1027	1526	1429	1231					
0946	1503	0806	0606	0605	0307	0805	0619		0915	0721	1011	1117	1222	1223	0816	0828					
1510	0803	0703	1103	1603	1303	0909	0912		0920	1017	0921	0818	0817	1118	0823	1024					
2248	1607	1406	1306	1206	1107	0908	0913		0918	0915	1022	0719	0720	0718	0722						

BIRD DOG 3

1000	0440	0524	0924	0815	1230	1218	0624		1813	2111	1910	0122									

BIRD DOG 4

UPPER WIND OBSERVATIONS 9 JULY 1946

BIKINI

ALT. TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0500		0822	0922	0920	1018	1017	1024	0929	0918	0820	0820	1014	2022	2319								
1100	0924	0924	0920	0718	1015			0907		1304	2410	2117	2416									
1630		0924	0922	1020	1021	1020	0716	0815	0916	1112	0715	0209	2702	2321	2415							
2230		0919	0918	0920	0917	0913	1114	1113	1110	0907	0813	0911	0408	2808	2513	2521	2716					

Fall River

KWAJALEIN

0300	0819	0923	0923	1020	1019	1113	1109		1310	1310	0808											
0900	1215	1115	1120	1120	1320	1320	1315		1425	1415	1105	0105	1810	1910	2605	0805						
1400	1217	1214	1217	1211	1127	1215	1116		1507	1313	1408	2906	0509	0108	2216	0523						
2100	1120	1315	1020	1025	1015	1015	1015		1015	1110	1005	3205	0310	2805	2805							

WAKE

0300	0910	0910	0815	0815	0920	1010	0515		0510	0510	0510	0510	0510	0510								
0900	0815	0815	0815	0915	0815	0815	0815		0510	0510	0510	0510	0510	0525	0915							
1500	0815	0815	0815	0810	0815	0810	0610	0510	3610	3610	3210	0210	3615	3210	3415							
2100	0820	0820	0920	0515	0510	0510	0510		1015	3210	3420	3215	3220	3210	3225							

MAJURO

0300																						
0830	0918	1018	1017																			
1430	0911	0812	0817	0917	1016	0918	1019	0917	0922	1026												

ENIWETOK

0400	0410	0409	0608	0405	0604	1405	0707	0610														
1000	0510	0311	0309	0308	0403	1203	1204															
1600	0411	0408	0407	0408	0503	1103	0[illegible]	0503	1405													
2200	0512	0511	0412	0407	0603	1007	[illegible]	0406	0215													

TARAWA

0308	1709	1609	1509	1407	1408	1011	1021		1021	0912	0923	0819	0623	0525	0724	0926						
0949	1708	1410	1408	1311	1314	1015	1118		0917	0911	0918	1118	0723	0432	0621	0935						
1511	1904	1509	1608	1506	1209	1110	1016		1018	0814	1025	1112	0324	0322	0521	0830	2718					
2210	1905	1307	1206	1206	0911	1013	1017		0917	0918	1217	0915	0718	0625	0625	2724	2827					

BIRD DOG 3

1000	0824	0929	0943	1034	1136	0730	0927		0720	3616	2310											

BIRD DOG 4

UPPER WIND OBSERVATIONS — 10 JULY — 1946

BIKINI

ALT. / TIME (GMT)	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0500	1017	1016	0917	0914	0914	0915	1014	1012	1012	0907	0408	3210	2816	2832								
1100		1111	1211	1109	0908	1115	1114	1112	1014	1014	1010	3308	2821	2523	2719							
1630				0930	1117	1115	1012	1012	1011	1011	0811	1406	0406	2429	2528							
2100	0812	0907	1008	1212	1214	0912	1113	1212	1011	1214	1609	3307	2425									

Fall River

KWAJALEIN

0300	1015	1015	1010	1015	1010	1315	1015		1015	1310	1005	0310	3210	2610	2815	0410						
0800	1011	1010	1212	1216	1219	1118	1016		1116	1310	1306	3607	2710									
1400	1106	1304	1310	1312	1113	1114	1419		1022	1016	1112	0505	3116	2815	2723	2307						
2000	0909	1006	1209	1208	1014	1113	1112		1214	1313	1412	1010	2503	2710	0716	3004						

WAKE

0200	1012	1113	1013	0808	0510	0410	0311	1111	3611	3510	3314	3322	3310									
0800	1508	1312	1006	0904	0506	0405	0208		3611	0110	3516	3414	3312	2712	2735	3620	3625					
1400	1115	1213	1008	1008	0906	0302	0304		0207	3508	3510	2705	2006	2418	2720	3616	2714					
2002	1213	1512	1514	1306	1304	1204	1204		0505	0602	0502	2102	2910	2413	2517	2604						

MAJURO

0030	0710	0715																				
0830	0606																					
1430	0505	1202	1207																			

ENIWETOK

0300	0920	0825	1020	1020	1130	1115	1120		0815	0815	0815	1505	1710	2205	2005	1515	1105	3310				
0900	1025	1025	1035	1120	1020	1020	092?		0720	0915	0715	1505	1810	2215	2810	3315	0910	0730	0820			

TARAWA

0505	2104	1506	1505	1308	1310	1112	0918		0918	0717	1218	1310	0518	0326	0525	0529						
0936	0303	1108	1410	1411	1113	1014	0831		0922	0817	0927	1812	0711	0816	0627	0619	0807					
1500																						
2132	1205	1605	1704	1503	0907	0813	0612		0916	0725	0926	1115	1112	0620	0717	0321						

BIRD DOG 3

1000	0756	0724	1530	1515	0920	1025	0752		1053													

BIRD DOG 4

UPPER WIND OBSERVATIONS

11 JULY 1946

BIKINI

	ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	surv																					
x	0530	0718	0922	0919	0918	0919	1114	1111	1112	1113	1509	1714	1910	2419	2536	3011							
*	0900	0822	0923	0929	0923	0920	1020	1224															
x	1700		1023	1030	1030	0824	0817	0615	0715	0717	0614	1109	1310	2620	2726	2725							
*	2000			1030	0925	0932	0926	1021	1210	1014	0914	1313	1114	2107	2127								

x Fall River * Saidor

KWAJALEIN

0300	0410	0410	1010	1015	1310	1215	1215		1010	1215	1510	0710	2005	2810	3510								
0800	0511	0705	1008	1010	1112	1010	1209		1308	1607	0908	2714	2818	0209	3304								
1400	0909	0804	0909	0905	1006	1110	1209		1306	1405	1303	1403	2910	3212	0910								
2100	1012	1111	1110	0806	0710	0914	1010		1108	1211	1110	1109											

WAKE

0300	1118	1318	1517	1414	1016	2602	1908		2108	1808	1607	2210	2614	2414	2430	1207	0818						
0830	1220	1220	1315	1320	1312	1314	1610		2402	1910	2212	1810	2108	2806	2440	0640							
1445	1216	1318	1415	1414	1316	1416	1408		1710	1804	2405	2808	1111	2625	2555	0910	1040						
2000	1119	1220	1117	1116	1414	0614	0514		1412	1507	1410	3303	2806	2643	2651								

MAJURO

0230	3606	0204	0405	0407	0704																		
0830	1105	0905	1007	1007	0511																		
1430	1602	1001	0802	0706	0909																		
2030	1106	1207	1208	1108	1108	1107																	

ENIWETOK

0300	-	-	-	-	1015	1115	1215		1220	1220	1715	0705	1005	2325									
0900	0915	1015	1015	0815	1110	1115	1115		1220	1725	1110												
1500	1010	1110	1015	0920	0920	0920	1020		1120	1115	1120	1120	1820	1535	2330	2335	2820						
2100	0410	0515	0920	0825	0825	1020	1020		1020	1130	1305	1915	2120	2320	2620								

TARAWA

0325	1604	1207	1307	2006	1304	0809	0820		0823	0733	0726	1016	1419	0519	3609	0419							
0935	0906	1308	1204	1103	0807	0815	0821		0827	0633	0633	0811	0819	0617	0111	0518	1110	1209	1118	2607			
1500	0906	1110	1107	0806	0612	0815	0921		0722	0623	0331	0625	0709	0723	0720	0211	0717	0820	2021				
2210	0809	0913	0712	0610	0714	0919	0919		0920	0821	0823	0611	0818	0620	0520	0624							

BIRD DOG 3

1000	0839	0925	1023	0820	1530	1520	1316		0922	0522													

BIRD DOG 4

UPPER WIND OBSERVATIONS

12 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	ddvv																					
0430	0930	0921	0923	1024	1028	1028	1026	1024	1021	1015	1506	1813	2413	2010	2918							
1100	1029	1025	1024	1028	1025	1023	1224	1124	1128	1228	1430											
2300	0823	0927	0827	0825	0920	0919	1015	1016	0915	1011	1115	1121	0911	1307								

Fall River

KWAJALEIN

0300	1012	1010	1111	1114	1210	1210	1113		1010	0912	0909	1107	0209	3210	0108							
0900	1012	1210	1110	1112	1115	1116	1110		0916	1015	1116	1409	0705	0318								
1400	1410	1409	1210	0912	1212	1119	1516		1218	1216	1414	0713	0314	0916	0717							
2000	1112	1010	1010	1110	1214	1111	1115		0917	1313	1413	0914	0729									

WAKE

0200	1018	1022	1020	1018	1216	1412	1506		1406	1506	1612											
0830	1018	1020	1118	0922	1115	1113	0910		1010	1210	1708	2806	3311	3220	3324	2708	0712					
1420	1018	1018	1018	1020	0917	0812	0912		0910	1008	2102	3310	2920	3014	3606	0318						
2100	0920	0920	0920	0920	0920	0916	0814		0714	0818	0614	0318	3324									

MAJURO

0230	1206	1307	1208																			
0830	1106	1405	1206	1208	1108	1012																
1430																						
2030	0911	0806	0806	1006	0910	0915	1018															

ENIWETOK

0300	0815	-	0925	0925	0805	0825	0920		0820	0520	1110	1923	0915	2323	2315							
0900	0920	0920	0935	0920	1020	1020	1020		1015	1020	1915	1123	2910	2910	-	1715	0815	0830	0960	1025		
1500	0520	0920	0915	1015	-	-	1220		1115	1215	1715	2910	1715	1010	0810	0710	1520					
2100	0820	0820	0920	0820	0920	1515	1515		1515	2015	1915	2020	0910	0915	0810							

TARAWA

0310	1110	0911	0915	0617	0918	1116	0813		0622	0830	0830	0916	0828	0518	0520							
0922	0910	0912	1011	0912	0816	1016	0917		0920	0725	0727	0818	0618	0318	0616	0827	1027					
1311	1109	1010	1111	1012	0909	0912	0816		0920	0830	0719	0724	1415	0515	0620	1020	1116	2407	1209	0606		
2137	0908	0910	0811	0810	0910	0911	0915		0918	0824	0917	0718	0818	0821	0924	1122	2021					

BIRD DOG 3

1000	0734	0717	0911	0716	0714	0813	0905		2311	0402												

BIRD DOG 4

UPPER WIND OBSERVATIONS 13 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	ddvv																					
0500				1020	1029	0916	0916	0912	0812	0810	0815	0518										
1100	0809	1019	0916	0916	1019	1019	0917	0817	0819	0715	0618	0127	0706									
1630	0909	1011	1210	1209	1014	0817	0816	0816	0715	0720	0618	0228	0112	3510								
2230	0723	0818	0813	0916	0710	0813	0815	0815	0816	0515	0618											

Fall River

KWAJALEIN

0200	1216	1118	1116	1016	0215	1019	1115		1116	0912	0910	1013	0916	1009	1205	1617						
0800	1511	1314	1215	1117	1117	1116	1017		0917	0613	0609	0716	0717	0722	0905	1412						
1500	1505	1608	1607	1307	1311	1110	1214		1117	0611	0623	0425	0618	0616	0710	0807	0716					
2100	3503	2308	1504	1210	1313	0918	1219		1321	1116	0812	0621	0522	0728								

WAKE

0300	0918	0923	0924	0823	0822	0719	0612		0610	0708	3009	3618	0512	3230								
0625	0718	0717	0822	0822	0921	0726	0618		0422	0112	0312	0617	0618	0513	0620	0632	0620					
1400	0618	0720	0720	0920	0918	0718	0617		0615	0315	0218	0618	0510	0611	0630	0633						
2100	0821	0826	0825	0723	0821	0818	0615		0716	0319	0514	0613	0616	0718	0624							

MAJURO

0230	0708	0809	0805																			
0830	2103	2302																				
2030	2604	2204	0802																			

ENIWETOK

0300	0920	0925	0920	1020	1015	1015	1010		1010	1010	1099	1030	1020	1020	1010							
0900	0820	0820	0320	0925	0920	0920	0920		0715	0915	0910	0915	0915	1015								
1500	0815	0815	0820	0915	1020	1020	1025		0925	0830	0825	0925	0820	1915	2115	1815	0920	0930	0925	0625		
2100	0515	0615	0915	1115	1115	0920	0910		0820	0415	0835	0425	0525									

TARAWA

0348	1114	1114	1109	1009	1012	1010	0814		0720	0625	0918	0819	0914	0910	0727							
0943	1111	1211	1210	1011	0910	0911	0818		0722	0624	1115	1111	1111	1111	0921	1918	1111	1111	1111	2223	2714	2721
1516	1310	1309	1107	1007	1207	1012	0918		0716	0819	1011	1022	0825	0707	0817	1706	1716					
2150	1409	1309	1308	1307	1010	0914	0816		0818	0816	1210	0923	0822	0812	2408	1609						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

14 JULY 1946

	ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	dew																					
BIKINI	0430	0824	0920	0916	0909	0909	0809	0610	0610	0410	0513	0610	0614	0220	3419	3322							
	1100	1019	0920	0816	0712	0802	0804	0609	0414	0112	0508	0703	0908	0715	3528	3223							
	1700	0818	1023	1122	0924	0405	0409	0510	0310	0309	0108	1004	0609	1112	3214	1817	3210	3602					
	2230	0920	0928	0916	0916	0714	0714	0513	0413	0510	0104	0508	0904	2212									
	Fill River																						
KWAJALEIN	0400	2710	2609	3205	1403	1505	1009	1111		1015	1013	1402	0622	0320	0315	0612	1009						
	0800	1503	0903	0102	3402	2201	1901	0301		0813	1106	1211	1113	0820	0718	0514	0617						
	1400	1110	1008	0806	0403	0206		0108		3607	2003	2211	2007	1507	1414	1407	2804	0715	1126				
	2000	1315	1212	1010	1107	0903		0412		0409	1113	2706	1908	2012	1905	1307							
WAKE	0200	0813	0921	0918	0821	0618	0612	0617		0412	0426	0316	0419	0106									
	0900	0719	0722	0819	0718	0718	0514	0410		0412	0420	0328	0229	0415	0322	0320	0334						
	1400	0719	0720	0719	0615	0718	0519	0415		0614	0522	0326	0228	0318	0320	0124	0336	0422	0618				
	2100	1024	1026	0824	0527	0627	0523	0618		0522	0513	0428	0130	0325	0121	0136							
MAJURO	0230	3008	2809	2608																			
	2050	3103	0205	0305																			
ENIWETOK	0300	9999	0920	1015	1010	1115	1015	1015		1015	0910	0415	0625	0220	3410	0205							
	0900	915	-	0915	0915	1010	0910	0915		0815	0715	0715	0220	0125	3415	0115	1120	0920					
	1500	0830	0920	0820	0920	0715	0810	0815		0810	0015	0510	1310	0810	0620								
	2100	0820	0925	1020	1020	0915	0715	0710		0710	0305	0615	0405	3415									
TARAWA	0308	1709	1412	1508	1204	1008	1012	1111		0812	0618	1110	0825	0811	0910	2310	1705						
	0920	1510	1611	1610	1509	1510	1510	1510		0809	0715	1308	0720	0518	0519	2015	1912	0707	1023	0921			
	1538	1511	1513	1611	1508	1503	1509	1606		0809	0711	1314	0915	0419	3604	1105	1710						
	2205	1505	1705	1412	1513	1613	1515	1413		0809	0713	0813	0818	0919	0926	0308	1705	2704					
BIRD DOG 3																							
BIRD DOG 4	0300																						
	0900	0810	0420	0810																			
	1500																						
	2100																						

UPPER WIND OBSERVATIONS

29 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	above																					
0430		0925	0918	0914	0710	0813	0716	0812	0910	0808	0418	2705	2710	2620	2920							
1100	0922	0925	1022	1125	1125	0915	1009	1010	0910	1004	1002	2712	1215	2519	2728	2510						
1630	0915	1018	1015	1112	1010	1115	1503	1104	1104	0502												
2230	1012	1013	1111	1610	1712	1307	1406	1504	1604	2004	1306	2309	2322									

Fall River

KWAJALEIN

0360	1404	1303	1408	1308	1309	1009	1009		0608	0805	1306	2312	2311	2514	2513							
0900	1112	1313	1608	1505		1506	1306		1305	1003	2003	1913	2321	2522	2705	0706	1904	0925	1814			
1400	1809	1904	1506	1604	1505	1406	1506		1403	1705	0710	1611	2215									
2100	1607	1910	2010	2011	1909	1406	1613		1405	2209	1709	2110	1913	1813								

WAKE

0300	0921	0918	0819	0718	0617	0720	0629		0327	0318	0123	0240	3626	3629	0140							
0815	0817	0820	0712	0912	0910	0712	0522		0416	0324	0322	0223	0127	0326	0133	0132						

MAJURO

0230	1209	1009	1807																			
0830	1906	1607	1808	1805	1804	2108	1908	2208														
1430	2511	2612	2610	2309	2212	2016	1911	1912	1813	1708												

ENIWETOK

1645	0920	1015	1013	1012	1110	1011	1105		0505	3105	1607	1205	2215	3221	3312	3008	2705					
2035	1019	1019	1114	1014	1013	1112	1409		1406	2704	2304	1806	2212	2218								

TARAWA

0347	1602	1703	1708	1512	1518	1521	1110		1012	0511	0918	1114	0915	0807	1005							
0937	0606	0705	1008	0707	1309	1318	1423		1319	0718	0924	0917	0720	1606	1616	1520						
1405	0602	1405	1105	1109	1109	1212	1316		1216	1920	0821	1514	1009	1009	1210	1514						
2135	1305	1603	1005	0906	0915	1021	1025		1123	0921	0925	1416	1215	1114	1703	1406						

BIRD DOG 3

BIRD DOG 4

0300																						
0900																						
1500	0625	0525	0435																			
210																						

UPPER WIND OBSERVATIONS

16 JULY 1946

BIKINI

	ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	dddv																					
x	0430	0518	1014	1310	1413	1610	1808	1610	1709	1915	1708	1706	2212										
*	1200	1211	1110	1106	0902	1102	2106	2106		2110	1806	1508	1613	2414									
x	2300	1213	1211	1110	1111	0910	1008	0906	1007	1107	1304	1406	1814	2420	2419	2520							

x Fall River * Shangri - la

KWAJALEIN

0200	1109	1407	1507	2104	2310	2210	1406																
0900	1208	1506	1607	1703	2005	2207	2007		2106	1807	2103	1712	1913	2809	2513	2209	1215	1336					
1400	1407	2007	1403	1702	0903	1503	1804		1609	1609	1409	1518	2604										
2100	2108	2404	2003	1103	1004	1006	0906		1110	1209	1315	1415	1720	1412									

WAKE

0300	1010	1015	1010	1410	1410	1410	1205				0310	3515	2905	2710	2715								
0900	1005	1415		1230	1410				0305			0205											
1500	1015	1210	1210	1210	1410	1610	1210		1810	2105	2015	2420	2815	2535	2630	2415	0610						
2100	1015	1210	1410	1210	1410	1610	1210		1405	1605	2415	2515	2630	2535	2450	2440							

MAJURO

0230	2908	2811																					
0830	0503	2301	2405	2808																			
2030	0407	3505	3504	3607	0608																		

ENIWETOK

0200	0518	1015	1212	1214	1310	1309	1310		1704	1405	1708	2117	2219	2327	2625								
0815	1123	1218	1213	1414	1413	1409	1705		1814	1907	1807	2407	2326	2434	2728	0415	0415	1573	0634	1016	1123		
1425	1119	1112	1110	1409	1315	1412	1508		1408	1514	1614	1712	2224	2326	2614	2123	1021	0127					

TARAWA

0302	0602	0305	0706	0705	1010	0922	1026		1023	0920	0830	1520	1512	1511	1704								
0930	0405	0707	0804	0510	0615	0819	0924		1023	0924	1021	1224	1215	1315	1405	1111	1111	1111	1908	2517	2415	2815	
1505	2702	1111	1111	0805	0712	0821	0927		0921	0824	0922	1022	1025	1025	1026	1102							
2215	0608	0511	0616	0818	0818	0820	0821		0820	1022	0928	0921	0916	0105									

BIRD DOG 3

BIRD DOG 4

0300																							
0900																							
1500	0450																						
2100																							

UPPER WIND OBSERVATIONS 17 JULY 1946

BIKINI

	ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	surv																					
x	0430	2308	2206	2304	1204	0911	0712	0808	0808	0808													
x	1100	3508	3504	0302	0704	0905	1207	1404	1509	1807	1508	1506	2010	1605	0416	0523							
*	1800	3007	3109	3308		3203	0802						1004	0512	0620	0224	0124						
x	2230	0913	0916	0718			0312	0612	0510	0607	1007	1012	0711	0606	0620	0712							

x Fall River * Shangri-la

KWAJALEIN

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0300	2614	2510	2707	2804	0301	0903	1112		1116	1013	1417	1417	1414	3610	0116							
0900	2805	2713	2908	0503	0709	0710	1213		1216	1317	1117	1310	0712	0316	0518	0616						
1400	2906	3105	3010	3306	0303	0909	1113		1421	1318	1223	1112	0910	0914	0309	0934						
2100	3305	3410	3412	0210	0508	1009	1121		1010	1223	1010	1010	0715	0619	0723							

WAKE

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0300	1215	1205	1210	1215	1115	1610	1710		1820	1810	2010	2615	2620	2625	2550	2750	2740	2610				
0900																						
1500	1110	1010	1405	1405	1310	1210	1610		1910	2010	2610	2610		1640	2640	2830	1210					
2100	0810	0810	0705	1310	1310	1605	1205		0805	2505	2610	2715	2630	2930	2740							

MAJURO

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0230	0105																					
0830	3608	3608	0306	0707																		
1430	3307	3404	0502	0805	0807																	
2030	3621																					

ENIWETOK

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0900	0712	0303	2104	1605	1204	1908	1311	1316	1213													
1515	1408	0807	3404	1306	1104	3404	1304	1408	1509		1807	1408										
2215	1007	0907	1004	0308	0614	0803	0503		1016	1207												

TARAWA

ALT.	2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	75	80
0315	0305	0412	0715	0825	0717	0715	0835		0821	0930	0727	0909										
0936	0509	0612	0613	0613	0817	0824	0829		0829	0827	0834	0924	0826	0919	0410	0417	1331	1415	2512			
1526	0605	0707	0711	0817	0917	0920	0924		0925	0927	0836	0633	0609	0622	0223	0817						
2137	0707	0808	0913	1017	0920	0920	1023		1022	0915	0813	0711	0411	0209	0417	0510						

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

18 JULY 1946

BIKINI

ALT. / TIME (LOCAL)	2 / SURV	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0600	3210	3208	0209	0511	0608	0710	0713	0815	1014	0918	1316											
1200	3503	0404	0606	0811	0912	0813	0816		0715	0918	0614	0812	1114	1134	1024	0820	1619					
1600	0520	0620	0816	0812	1015	1116	0809	0808	0805	0804	3510	0310	1117	1017								
2300	0412	0512	0710				1020	0915	1412	0907	0907	3520	0109	0606	0610							

Fall River

KWAJALEIN

0300	3310	0110	0709	0109	0708	0408	0919		1014	1218	1015	0713	1119	1221	0915							
0900	3409	3609	0407	0707	0912	0814	0917		1018	1216	0814	1112	1126	0915								
1400	3306	0607	0909	0913	0914	0815	0917		0921	1017	0818	1515	1521									
2000	2810	1202	0506	0610	1011		0620		0517	1017	0919	0915	1023	1016	1227							

WAKE

0300	0810	0710	0910	1010	0915	1605	2405		2605	1410	3610	2720	3230	3045	2925							
0900	0715	0815	0815	0710	0810	0905	0605		1305	1605	2905	3410	3425	3040	3140	3125	1000					
1500	0910	0815	0810	0610	0410	0410	1205		0305	2605		2615	3025	3050	3040	3020	3610					
2100	1020	0615	0810	0715	0715	0610	0405		3405	3210	3210	2915	3025	3045	3035	3330						

MAJURO

0830	0310	0407	0605	0506																		
1430	0617	0811	0808	1010	0812	0711	0811															

ENIWETOK

0330	0707	1106	0906	0203	3505	0207	0806	0707	0808	0810	0810	0912										
0800	0510	0407	0307	1211	1212	2611	3211		0810	0913	0811	1111	0714	0723	0736	1111	0323	0718				
1450	0307	0510	0508	0510	0711	0407	0609	0908	1007													
2000	0618	0614	0412	0513	0712	0806																

TARAWA

0308	0804	0910	0915	1016	1017	1122	1025		0923	0929	0930	0524	0012	0322								
1035	2907	1510	1215	1212	1112	1119	1124		1123	0923	0932	0415	0421	0516	0534	0723						
1342	2009	1408	1111	1112	1014	1118	1122		0921	0824	0826	0518	0522	1111	0325							
2155	2208	1606	1214	1214	1217	1222	1020		1021	1120	0916	0526	0527									

BIRD DOG 3

0300																						
0900																						
1500	1010																					
2100																						

BIRD DOG 4

UPPER WIND OBSERVATIONS

19 JULY 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	dew																					
0430	0616	0716	0815	0805	0815	0917	1210	1111	0608	0412	0714	0607	3614	0518								
1100		1612	1511	1508	1916	2020	2515	2820	2924	3222	0524	0425	0216	0213	0505							
1600	1214	1612	1611	1610	1507	1401	1205	0909	0813	1008	1111	1116	3412	3507	0409							
2300	1209	1108	1509	1708	1508	1208	1110	1211	1111	0809	0907	0209	3414	3418								

Fall River

KWAJALEIN

0200	2115	2116	1911	1608	1210	1114	0713		0517													
1000	2408	2110	3002	1311	1215	1118	1020		1022	1410	1114	1116	1112									
1400	2703	2508	2216	2014	1810	1509	0819		1020	1114												
2100	2005	2005	2005	1805	2005	1405	0810		1010	1215	1205	1210	1010	1015	0605							

WAKE

0300	0915	0915	0910	0610	0610	0510	0305		3610	3405	3015	3015	3230	3250								
0900	0835	0815	0910	1010	1205	1505	0905		0905	3305	3010	3015	3225	3345	3250	3225	3410					
1500	0915	0915	0815	0910	1605	2805	3010		2710	2910	3210	2915	3010	3030	3050	3025						
2100	0910	0910	1215	1210	0920	0820	1120															

MAJURO

0230	2415	2118	2019	2018																		
0830	2404	2010	1910	1412																		
1430	2708	2810																				
2030	2703																					

ENIWETOK

0215	0611	0512	0510	0707	0708	0606	0710	0808	0907													
0805	0715	0716	0714	0713	0820	1113	0911		1009	0508	0714	0519	0815									
1600	0504	0805	0905	0907	1012	1008	0808	0607	0308		0311	0414	0507									
2040	3403	0704	0605	0811	1112	1112	1010		0609	0714	0713	0319	0416	0533	1206							

TARAWA

0324	2205	1803	1303	1111	1318	1222	1019		1224	1017	1019	0923	0624	0618	0622	1222						
0946	2607	2104	1205	1107	1213	1118	1019		1021	1127	1111	0921	0718	0814	1020							
1525	2905	3207	1308	1309	1311	1013	1013		0917	1026	0918	0817	0626	0815	1221	1336	1426					
2202	2509	2307	1404	0703	0606	0811	0916		0920	1026	0926	0822	0823	1127	1126	1330						

BIRD DOG 3

0300																						
0900																						
1500																						
2100																						

BIRD DOG 4

0300																						
0900																						
1500	0905	0905	0705	1605	1705		0715		0725													
2100																						

UPPER WIND OBSERVATIONS

20 JULY 1946

BIKINI

ALT. TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0500		1412	1111	1107	0904	1206	1207	1308	1308	1104	0206	2703	0111	3416	3108							
1030	1512	1[illegible]0			1207	1209	1311	1112	1212	1204	2003											
1630	1808	1604	1706	1205	1205	1109	1312	1110	1109	2903	2004	0705	3112									
2300	1410	1408	1405	1502	1104	1007	1106	1107	1206	2105	2004	3602	3410	3212								

Fall River

KWAJALEIN

0300	2005	1910	1805	1905	0505	0505			1705	1405	0705	0815	3615	2010								
0900	2010	2005	2005	2005	1805	1805	1420		1415	1410	1410	0305	0310	3010	1710	1320						
1500	2010	2005	2210	2410	2310	1710	1810		1810	1510	1510	0710										
2100	1410	1415	1910	3410	1205	2105	1905		1605	1415	1110											

WAKE

MAJURO

0230	1603	1805	1606	1602	1402	1006	1310	1212	1211	1710												
0830	1205	1708	0906	1604	1406	1312	0910		1310	1315	1313	1419	0908	1115	0910	1514	1216					
1430	1703	1904	1408	0905	0907	0811	0909	0810	0714													
2030	1108	1104	0706	0708	0811																	

ENIWETOK

0300																						
0840	3408	3503	0903	1703	1803	1401	1306		1014	1008	0909	1008	0318	3620	3624	0305	0205	0926	0920			
1410	2902	3002	2004	1904	2104	2106	1503	1003	1002		1309	1404	1003	0308	0410	0519	3524	0304	3509			
2035	3605	0202	1502	2503	2703	2704	2302		2503	1803	1508	0103	0106	0507	0220							

TARAWA

0255	2413	2008	1305	0807	1109	0915	0717		0722	0922	0716	0925	0821									
0900	2510	2308	1503	1004	0907	0809	0910		1111	0810	0730	1131	0618	0733	1032	1131	0625					
1700	1305	0107	0307	0409	1316	0414	0411	0514														
2200	3205	3005	3605	3509	0113	0308	0812		0814	0924	0918	0922	1117	0628								

BIRD DOG 3

0300																						
0900																						
1500																						
2100																						

BIRD DOG 4

0300																						
0900																						
1500	1110	1110	1310																			
2100																						

UPPER WIND OBSERVATIONS — 21 JULY — 1946

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
BIKINI	4000																					
0500	1711	1710	1606	2204	2302	2302	1705	1706	2010	2003	2505	3413	0312	3410	3418							
1100	1709	1810	1808	2205	2102	1807	1614	1816	1816	2011	2205	0105										
1700	1610	1707	1606	1605	1405	1805	2208	2311	2409	2212	2511	2403										
2300	1511	1509	1510	1712	1712	1610	Light and variable to 30000 ft.															

Fall River

KWAJALEIN	0300	1510	1905	1905	2005	1705	1410	1305		1710	1405	1410	1010	0210								
	0900	1805	1905	1805	2705	0705	0405	0305		1610	1215											
	1500	1610	1805	1605	1505	1605	1705	1705		1405	0910	1405										
	2100	1410	1405	1410	1405	1210	1110	1010		0910	0910											

WAKE																						

MAJURO																						
	0830	0912	1011	0808	0704	0706	0611	0515	0514													
	1430	0808	0909	0907	0807																	

ENIWETOK	0340	2604	1903	1902	1903	1802	2604	3004		3105	2106	2104	0203	0219	0219	3632						
	0840	2105	1906	1906	1905	1905	2303	2502		2502	1704	1702	3505	0110	3319	0128	3307	1312	0817	0826		
	1406	2202	2103	1903	1905	1904	1702	2301		1803	1706	2105	2807	0310	0210	0504	0213					
	2015	1604	1504	1503	1505	1704	2203	1901		1003	1904	2403	3405	0408	0818	0815						

TARAWA	0417	2709	2808	2907	3211	0311	0314	0411		0611	0713	0916	0831	0823	1021	0921	1128					
	0934	2408	2706	2807	3509	0107	0111	0109		0210	0511	0716	0614	0730	0738	1223	0720	1831	0916			
	1550	3309	3209	2811	2511	2404	0308	0208		0110	0109	0704	0517	0824	0713	0740	0430	0626	1422			
	2147	2708	2808	3008	3109	3208	3310	3212		3408	0406	0813	0822	0726	0625	0633	2826					

BIRD DOG 3	0300																					
	0900																					
	1500																					
	2100																					

BIRD DOG 4	0300																					
	0900																					
	1500	1115	1115	1210	1205	1605																
	2100																					

74899 O - 47 - 11

UPPER WIND OBSERVATIONS

22 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (Local)	ddvv																					
0430	1512		1911	1807	1806	1810	2210	1802														
1100	1515	1612	1710	1710	1710	1809	2009	0909	1006	1410	1310	1515	Calm	0820								
1700	1416	1414	1418	1414	1509	1809	1505	1605	1609	1505	0607	1104	1607	0712	0432							
2300	1210	1309	1310	1312	1211	1213	1213	1213	1116	1115	1218	0813										

Fall River

KWAJALEIN

0300	1410	1405	1610	1205	1115	1115	0910		1010	0715	1110	1340	1215									
0900	1410	1215	1210	1210	1310	1305	0905		0910	0925	0920	1415	1025	1320	1225	1110						
1500	1215	0915	1015	1015	1015	1015	1010		0915	0920	0815	0920	1225	1030	0930	2710						
2100	0810	0915	0910	1015	1120	1015	1025		1125	1225	1220	1420	1225	0925	1310							

WAKE

1400	2114	2106	2002	2506	2312	2120	2218		2226													
2130	1524	1820	1817	1613	1615	1512	1610		1815	2418	2409	2208	1815									

MAJURO

0230	0708	0708	0810	0910																		
1430	0305																					
2030	0206	0112																				

ENIWETOK

0300	1803	1804	1805	1808	1707	1402	1302		1203	1703	1004	0405	1512									
0830	1806	1908	2010	1911	1909	1509	1408		1306	0804	0305	1204	1413	1115	3416	0111	0517	1031	0930			
1500	2805	1805	1805	2005	2005	2805	1405		1405	1110	0610	1210		1010	1415	1105	0915	0815	1035	0830		
2100	1615	1515	1515	1710		1905	1905		1905	1410	2005	1205										

TARAWA

0507	2613	2615	2508	2506	2205	2006	2603		Calm	1005	1018	0619	0609	0513	0730							
0941	2410	2411	2511	2609	2505	2205	1910		1811	1810	1011	0823	0620	0629	0723	1214	1818					
1503	2116	2011	2008	2110	2012	1911	2019		1816	1407	1110	0420	0731	0729	0718	1318						
2200	0606	0507	0508	0513	0412	0212	0508	0708														

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS — 25 JULY — 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (GMT)	0000																					
0430	0912	0909	1211	1111	1010	1310	1126	1114	1014	1122	1117	1124	0921	1012								
1100	1114	1112	1016	1029	0713	2027	1419	1015	1018	1023												
1630		1016	0817	0817	1015	1025	1126	1228	1123	1126												
2300	1025	1021	1021	1022	1019	0821	0925	0923	1120													

Fall River

KWAJALEIN

0300	0810	0910	1010	1010	1115		1020		1025	1120	1125	1220	1230	1030	3605	0905						
0900	0810	0725	0710	1020	1020	1015	1020		0915	0915												
1500	0710	0725	0815		1015	1210	1110		1225	1330	1230	1125	1030	0520	0535	1415	2610					
2100	0915	1110	1010	1115	1015	1310	1615		1420	1220	1215	1115	0525	0425	0615	1030						

WAKE

0215	1715	1723	1722	1720	1722	1520	1621		1519	1515	1908	2212	2312	2810	2515							
0800	1618	1616	1816	2020	2020	2020	2026		1924	2122	1812	1404	2708	2418	2226	3118						
1600	1317	1412	1612	2016	2220	2419	2320		2118	2116	2211	3003	2716	3022	3018	2804	0718					
2000	1416	1319	1414	1612	1810	1709	2115		2224	2113	2116											

MAJURO

0230	2008	1807	1310	1419																		
0830	3505																					
1430	1009	1107	1310																			
2030	1214	1315	1413																			

ENIWETOK

0300	1410	1410	1410	1410	1605	1610	1405		1610	1415	1310	1010	1020	1015	1415	1410	0820	1030	1020			
0800	1415	1415	1410	0910	1110	1010	1010		0910	1210	1015	1010	1010	1020	0820	2010						
1500																						
2100	1310	1010	1010	1020	1120	1020	1020			1020												

TARAWA

0320	2308	2206	1707	1509	1509	1413		1417	1420	1223	1325	1016	0610	0318								
0934	1508	1508	1410	1212	1017	1117		1113	1113	1116	1227	1230	0718	0424	0822	1814						
1510	1508	1209	1209	0910	1015	1017		0918	1218	1021	1022	0518										
2145	1110	1111	1011	0913	0913	0816		0821	1017	1011	1015	0320	0305	1518								

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS — 24 JULY — 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (GMT)	4000																					
0430		0917	0923	1124	1021	0727	1026															
1130	1320	1319	1320	1325	1323	1018	1316	1414	1516	0820												
1630	1615	1513	1515	1415	1416	1216	1315	1112	1112	1213	0719											
2300	1307	1508	1610	1024	1409	1314	1113	1012	1112	1011	0910	0718										

Fall River

KWAJALEIN

0300	1215	1215	1410	1510	1710	1415	1615		1210	1210	0715	0515	0320	0330	0205							
0900	1210	1410	1410	1510	1310	1110	1205		1210	1215	0215	0315										
1500	1710	1810	1615	1210	1215	1010	1110		1005	0915	0710	0515	0330	0330								
2100	1910	2010	1910	1210	1015	0915	1010		0810	1020	0915	0520	0330	0330	0325	0235	1030					

WAKE

0215	1212	1313	1409	1510	1512	1508	2209		2112	2115	2102	3108	3616	3320	3340							
0900	1212	1214	1110	1308	1508	1404	1706		2408	2412	3208	3409	3013	3326	3643	3533						
1400	1308	1310	1110	1210	1307	1609	2007		2213	2414	2807	0317	3520	0137	3652	3649						
2000	1206	1110	1210	1210	1408	1708	2210		2515	2520	3311	3611	0324	0124	0142	0150						

MAJURO

0230	0516	0717																				
0830	1610	1610	1312	0912	0814	0720	0917	0815		0817												
1430	1607	1608																				

ENIWETOK

0300	0915	0915			0815	0915	0910		1020	1025	1025	1025	1025	1020	0715	0610	0420					
0900	1020	1020	1620	1025	0920	1020	1225		1220	1020	0620	0720	0710	0625	0430	0625						
1500			1005	0905	1405	1405	1405		1705	1405	1005	0805	0610	0320	0310	0910						
2100	1205	1310	1310	1415	1405				1405		1015	0615	0605	0540	0350							

TARAWA

0310	1110	1114	1113	1018	1017	0721	0823		0922	0912	1220	1017	0419	0427	0628							
0930	0810	0816	0913	1016	0820	0920	0918		1016	0811	1218	0610	0419	0416	0306	1413	0509					
1625	0809	0814	0814	0817	0818	0822	0920		1115	0813	1111	0905	0506	0808	1912	0905	0812					
2202	0707	0813	0813	0720	0718	0821	0921		0820	0713	1011	1210	0604	0704	3008	1513	1216	3122	1512	2916		

BIRD DOG 3

BIRD DOG 4

UPPER WIND OBSERVATIONS

25 JULY 1946

BIKINI

ALT. TIME (GCT)	I	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	down																					
0100	1608	1710	1506	1508	1513	1214	1412	0914	0914	1307	0614	0614	0380									
0400	1610	1710	1708	1610	1207	1009	1910	0909	0707		0810	0519	0516	0408								
1100	1610	1610	1508	1507	1208	1112	0809	0808	0811	1108	0512	0420	0638									
1700	1611	1610	1611	1608	1508	1208	1007	1008	0911	0712	0708	0714										

Fall River

KWAJALEIN

0203	1604	1606	1606	1107	0910	0916	1015		1111	0916	0916	0622	0430	0427	0116							
0501	1603	1703	1405	0905	0710	0910	1010		1013	0814	0810	0616	0530	0528	0119	0813						
0828	1606	1504	1105	0710	0809	0607	1015		0915	0914	0818	0521	0716	0629	0518	0637	0638					
1400	1903	0903	0605	0810	0914	0914	0911		0811	0715	0710	1012										

WAKE

0300	1410	1211	1310	1803	2206	2412	2315		2414	2822	2508	3605	0121	3530	3450	3350						
0824	1716	1920	1910	2109	2209	2514	2415		2418	2710	3210	0103	3517	3417	3442	0127	0823					
1400	1816	1824	1922	2120	2215	2318	2321		2431	2618	2610	2712	3318	3320	3347							
2000	2022	2120	2122	2221	2222	2428	2626		2628	2627	2625	2519	2717	2912	0730							

MAJURO

0830	3009	0312	0416	0516	0618	0914	0916	0816	0913	0720												
1430	0718	062.	0523																			
230	0821	0818	0818	0818	0818	0819	0819	0820														

ENIWETOK

0300	2405	1410	1105	1620	1405	1315	1210		1110	1610	1225	0615	0315	0435	0645	0540						
0900	1610	1610	1615	1615	1615	1410	1210		1010	1010	0810	0720	0620	0640	0640	0435	0415					
1500	1810	1810	1710	1810	1610	1405	1210		1010	0615	0615	0510	0730									
2100	1910	1910	1710	1810	1510	1210	1210		0910													

TARAWA

0315	0605	0814	0815	0718	0818	0819	0817		0720	0719	1010	1612	1715	2405	1111	2204	1112	2822				
0929	0806	0712	0614	0714	0718	0723	0820		0818	0712	0607	1813	1818	1815	2408	1721	1427	1940				
1534	1007	0815	0918	0714	0718	0715	0716		0713	0814	0709	5609	2912	1611	1512	3314						
2145	0905	0909	0913	0816	0824	0921	0921		0918	0916	1208	1111	0908	1010	1708	1808						

BIRD DOG 3

BIRD DOG 4

0900	1111	0627	1831	1015	2223	0919	1616		1039	1133												

UPPER WIND OBSERVATIONS

26 JULY 1946

BIKINI

ALT. / TIME (GMCT)	2	4	6	8	10	12	14	15	16	18	25	30	35	40	45	50	55	60	65	70	75	80
	above																					
* 0500	1907	2005	2104	Calm	1302	1808																
* 1500	0105	3608	0207	0705	0808	1206	1306															
** 1400	0211	0313	0410	0608	0608	1008	0911	1114		1019												
** 1800	0514	0714	0510	0509	0507	0508	0712		0812	1016												

* Fall River * Baldor ** Shangrila

KWAJALEIN

0002	0503	0604	0807	1009	1108	1014	0913		0916	0922	1112	1014	1907	1705	1303							
0830	0503	0707	1008	1108	1113	1115	1216	1114	1120	0920	1010	1414	1309	1112								
1400	0310	0310	0510	0505	0705	0910	1112		1112	0919	1209	1610	1410	0810	0930							
2009	0613	0610	0611	0613	0614	0711	0909		0915	0717	1110	1613	2105	0817	0914	0913						

WAKE

0200	2611	2715	2614	2518	2620	2626	2532		2428	2420	2320	2320	1913	1518	1622							
0900	1817	2314	2416	2420	2522	2620	2918		2918	2619	2515	2222	2120	1920	2018	5410	1111	0717				
1415	1816	1720	1812	1815	1913	1917	1912		2014	1916	1918	1820	1817	5608	5610	0330	0448					
2100	2007	2010	1809	2115	2016	2115	2123		2129	2118	2121	2322	2222	2227	2014							

MAJURO

0830	1010	1012																				
1430	0912	0912	0913	0912	0915																	
2030	0514	0711	0809																			

ENIWETOK

0300	1905	1905	2010	1905	2610	1610	1510		1510	0710	0810	1110										
0900																						
1500	1705	1705	1905	1005	1105	1105	1410		1210	1015	0810	1420	1430	1050	0840	5415	0705					
2100	1305	1005	1005	0715	0705	0505	1205		0915	1110	0810	1410	1415	1440	1055	0615						

TARAWA

0300	1004	1015	1013	1112	1010	0814	0822		0822	0623	1214	1010	0810	1304	1111	1917	1517	1217				
0922	0907	1110	1011	0914	1016	0618	0826		0727	0722	0811	0808	1208	1622	1618	1111	1426	0813				
1525	0704	1010	0913	1013	1016	0918	0923		0824	0915	1112	0407	1109	1718	1611	1108	0825	1111	2704	3023	2814	2912
2250	1005	1014	1014	0914	0818	0823	0725		0722	0821	0716	0615	1105	1110	0606	0212						

BIRD DOG 3

BIRD DOG 4

0900	1111	1111	1111	3407	2916	1025	1950		0913	0920	0826											

UPPER WIND OBSERVATIONS

27 JULY 1946

BIKINI

	ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
	TIME (LOCAL)	surv																					
*	0400	1012	0910	0610	0712	0713	1511	0509	0407	0506	0707												
**	0600	0920	0920	0818	0810	0912	1013	1014		0916	0818	0409	1707	1407	1016	0932	0944						
*	0500	0902	0707	0812	0914	0813	0708	0907	0908	1009	0814	0904	0408										

* Snidor ** Shangrila

KWAJALEIN

0300	0814	0816	0816	0913	0912	1110	0912		1014	1017	0906	1111	1705	1208	0916								
0823	0819	0919	0815	0814	0911	0914	0916		0916	0917	0718	0311	1503	1707	1508	1112	1205	0321					
1407	0916	0912	1016	1018	1019	0916	1020		0919	0914	0618	0617	2105	1709	1407	0707	0511						
2019	1319	1316	1316	1116	1015	1114	1017		1118	1120	0917	0720											

WAKE

0500	2113	2414	2513	2415	2316	2419	2318		2320	2315	2527	2529	2512	2418	2519								
0840	2615	1309	1506	1810	2110	1810	2018		2017	2420	2420	2420	2427	2424	2415								
1420	1712	1712	1812	1815	2014	2017	2018		2222	2320	2415	2315	2313	2220	2233	2914	0918						
2060	1712	1813	1814	1816	1915	1718	1813		1707	2106	2308	2214	2122	2422	2730								

MAJURO

0230	0614																						
0830	1211	1112																					
1430	1211	1015	0915	1013																			
2030	1109	1013	1315																				

ENIWETOK

0300	1405	1010	1210	0605	0410	1005	0410		0605	0210	0915												
0900		1005	0810	0605	0410	0710	1010			0815	1010	3610											
1500																							
2100																							

TARAWA

0315	1307	1111	0907	1011	1015	1017	0919		0822	0816	0614	0616	0911	1212	0513	0420	0621	2626					
1015	0709	0811	0817	1017	0920	0920	0922		1119	1207	0810	0726	0723	0724	0623	1019							
1441	0503	1007	1107	1208	1010	1111	1121		1118	1122	0807	0613	0415	0112	0319	0417	0405	3111	3504	2427	2735		
2200	0603	0410	0410	0305	0207	0305	0503	0610															

BIRD DOG 3

BIRD DOG 4

0900	1111	0929	0905	3426	2210	0829	1013		2006	0622	1205	1020	0911	1714	1241	1690							

UPPER WIND OBSERVATIONS

28 JULY 1946

	ALT. TIME (LOCAL)	2 ddvv	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
BIKINI	** 0600	1018	1118	1011	0916	0920	0919	0716		1314	1012												
	* 0500	1012	1216	1417	1312																		
	** 0000	1207	1316	2216	1218	1322	1320	1021	0923	1018	1117	0814	1225	1316	1211	0820	0717	0926					
	* 0400	0810	1412	1314	1216	1220	1217	1114	1112	1009													

** Shangrila * Saidor

KWAJALEIN																							

WAKE	0200	1606	1610	1810	1816	1818	1917	2114		2309	2604	2605	2220	2322	2426	2724							
	0940	1608	1815	1712	2013	2013	2115	2114		1910	1708	1810	1820	2222	2430	2320	2704						
	1415	1613	1815	1815	1911	2111	2213	2315		2312	2012												

MAJURO	0230	2106	1213	0820	0821	0822																	
	1430	1803	1602	1504	1406	1010	1509	1112	0822														
	2030	3305																					

ENIWETOK																							

TARAWA	0300	2107	1606	1410	1311	1314	1121	1019		0823	0716	0908	0613	0314	0410	0711	1111	1118					
	0950	2111	2206	1606	1509	1114	1017	0921		0926	0818	0911	0516	0711	0613	1204	1319						
	1453	2507	2304	1709	1406	1214	1113	1215		0816	0812	1011	1019	0513	0810	1216	1324	0931					

BIRD DOG 3																							

BIRD DOG 4																							
	0900	1111	1111	1111	0120	0103	1520	2208		2805	0813	1316	1020	1111	0917								

UPPER WIND OBSERVATIONS

29 JULY 1946

BIKINI

ALT. / TIME (LOCAL)	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
0400	1317	1108					0919	0919	0823	1123	0521	1217										

* Raider

KWAJALEIN

WAKE

0830	1707	1711	1508	1605	2205	2006	1902		2305	2408	2212	2221	2328	2472	2422	2318	2202	0618	0617			

MAJURO

0230	0403	0603	0903	1004	1006	1107	1111															
1430	1703	1803																				
2030	0506	0406	0507	0612	0712																	

ENIWETOK

TARAWA

0300	2404	2603	1203	0904	0709	0710	0714		0816	1006	0909	0816	1014	1228	1120							
1456	3307	3609	0307	0809	0709	0811	0815		0813	0905	0809	1211	1115	0910	0309							

BIRD DOG 3

BIRD DOG 4

0900	1111	3120	0324	1416	1111	0920	1411		2028													

UPPER WIND OBSERVATIONS

30 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	46vv																					

KWAJALEIN

WAKE

MAJURO

0230	0313	0513	0810	0911	1016	1214	1416	1021														
0830	0516	0617																				
1430	0917	1011																				
2030	0914	1314																				

ENIWETOK

TARAWA

0300																						
0900																						
1554	0108	0510	0712	0718	0820	0822	0825		0825	0923	1112	0819	0936	0832	0929							

BIRD DOG 2

BIRD DOG 4

0900	1111	1111	1111	1111	0659	0305	3511		2212	1507	1311											

UPPER WIND OBSERVATIONS

31 JULY 1946

BIKINI

ALT.	2	4	6	8	10	12	14	15	16	20	25	30	35	40	45	50	55	60	65	70	75	80
TIME (LOCAL)	ddff																					

KWAJALEIN

WAKE

MAJURO

0230	1012	1117	1123																			
0530	0916	1118	1021	0921	0822	0822	0724	0824	0825													
2030	0909	0911	1011	1113	1117	1802	0721	0727														

ENIWETOK

TARAWA

0300																						
0900																						
1505	1308	1113	0915	0916	0917	0921	0925		1025	1018	0919	1125	0721	0824	0627							

BIRD DOG 3

BIRD DOG 4

JULY UPPER WINDS

SHIP	DAY	TIME	SURFACE		5000		4000		6000		8000		10000		12000		14000		15000		15000		18000		20000		25000		30000		35000		40000		45000		50000		55000		60000	
SAIDOR	1 JULY	0000	07	12	08	10	12	18	11	19	11	18	09	10	12	03	14	05	21	04	23	04	24	07	22	05	08	04	25	09	02	20			36	31	02	28				
SHANGRILA	1	0000	11	13	12	15	12	12	13	14	14	22	15	18	14	20	13	16			11	10	05	04	13	04	14	16														
SAIDOR	1	0300	08	13	11	17	11	09	12	12	14	06	14	14	14	12	18	06	24	04	23	04	26	09	16	05	16	02	18	01	02	02										
MT. McKINLEY	1	0400	09	09	12	20	12	19	08	18	11	14	14	11	13	14	12	10																								
SHANGRILA	1	0600	12	14	13	18	13	16	12	15	14	12	13	11	14	23	30	02	30	01	30	02	30	04	14	09	05	06	03	06	01	14	36	33								
SHANGRILA	1	0700	14	10	14	18	14	22	13	16	14	18	15	12	12	12	12	08	10	04	12	04	14	14																		
MT. McKINLEY	1	0700			11	19	12	11	13	09	12	11	13	08	16	12	14	12	12	03	09	02	30	04	28	02																
FALL RIVER	1	1000					13	13	13	14	13	14	12	10	12	10	12	10	08	03			15	06	17	14	12	07	24	05	05	10	05	20	33	30	27	45				
SHANGRILA	1	1700	09	15	08	24	09	11	09	12	09	16	10	18	11	14	10	17			11	18	12	18	15	20	15	06	27	07	19	14	18	12	32	03	28	32	26	30	15	07
SAIDOR	1	2100	09	12			10	12	10	10	12	14	12	13	14	15	14	16	13	03	11	04	13	08	15	12	18	04														
SHANGRILA	2 JULY	0000	07	14									10	22							10	12	10	09	12	14	12	10	15	09	19	18	18	20	22	24	27	08				
SHANGRILA	2	0600	06	10	09	15	12	18	12	24	12	25	12	24	10	13	09	18			10	16	09	15	13	08																
SAIDOR	2	0800	06	08	08	10	11	12	10	25	10	16	12	15	12	15	12	15	12	14	11	13	13	12	15	15	16	15	17	17												
SHANGRILA	2	1200	03	09	08	20	08	18	09	17	11	17	10	15	10	17	08	21			11	23	09	20	14	20	10	12	16	16												
SAIDOR	2	1500	06	09											12	15	12	17	12	18	12	18	14	09	17	10	18	14														
SHANGRILA	2	1800	07	14	08	18	09	14	08	14	09	14	09	15	08	16	08	15			10	15																				
SAIDOR	2	2100	07	10			10	17	10	14	08	12	08	12	09	11	13	13	15	10	15	11	13	12	16	11	25	11														
SHANGRILA	3 JULY	0000	11	16					08	20	08	17	10	17	08	17	08	18	07	22	07	22	05	13	03	06	04	03	15	11	15	14	15	20	16	20	25	24				
SAIDOR	3	0100											09	16	09	12	12	06	11	06	12	03	10	04	12	05	17	03	16	11	18	17										
SHANGRILA	3	0600	06	11	09	16	08	17	12	12	12	16	12	26																												
SAIDOR	3	0900	08	10			10	16	11	17	09	14	10	16	10	12	11	20	10	23	09	22	08	15	10	15	13	15	17	08	17	07	18	07								
SHANGRILA	3	1200	06	11	08	17	08	16							09	13	08	16			09	20	10	21	11	17	11	20	20	07	16	14	20	15	25	22	01	08				
SAIDOR	3	1500	08	05					09	16	10	09	10	14	09	11	08	15	11	18	10	14	08	16	10	18	10	22	25	03	14	06	16	11								
SHANGRILA	3	2000	07	13	09	21	11	15	11	15	09	11	09	10	08	14	08	20			08	17	08	17	09	21	09	14	06	11			12	12								
SAIDOR	3	2100	08	08																	09	23	09	20	12	30	10	24	04	04	18	10	16	12	18	11						
SAIDOR	4 JULY	0300	06	10											08	20	09	17	12	18	11	24	11	25	13	32	10	06	10	06	18	17	17	11	18	10						
SHANGRILA	4	0600	06	15			08	18	08	16	06	18	08	20			11	30			10	33	01	34	10	28	08	21	12	20												
SAIDOR	4	0900	07	10	07	14	07	11	08	14	08	15							11	XX	12	XX																				
SHANGRILA	4	1400	05	16	07	21	08	24	07	19	08	16	08	16	08	15	09	17			11	29	11	32	11	26																
SAIDOR	4	2100	06	07	06	09	09	10	08	10	09	11	08	17	09	15	11	26	10	23	11	20																				
FALL RIVER	4	2300																	10	30					10	29	09	25														
SHANGRILA	5 JULY	0000	06	15	08	22	08	20	08	21	08	15	08	13	08	20	08	22																								
SHANGRILA	5	0600	07	15	08	22	08	26	08	21	08	20	08	19	06	18	08	24			09	27	08	23																		
SAIDOR	5	0900	06	09													09	29	10	37	09	26	09	32	09	27	10	25	09	15	11	07	09	08								
SHANGRILA	5	1200	10	15	10	22	10	24	10	11	10	10	10	20	10	05	11	15			10	21	09	31	11	28																
SAIDOR	5	1500	10	12	12	16	12	14	12	18	12	17	12	27																												
SHANGRILA	5	1800	24	11	01	06					10	15	11	16	12	18	01	18			11	20	11	21	10	24														
SHANGRILA	6 JULY	0000	36	14	36	16	02	13	02	19	36	04	12	05	14	21	13	28			15	22	17	26																		
SAIDOR	6	0300	06	10											14	13	12	22	11	19	11	20	12	24	11	24	11	23	10	26	32	04	33	06	33	10						
SHANGRILA	6	0600	06	10	06	14					23	08	21	08	20	08											09	11	07	19	06	13	04	14								
SAIDOR	6	0900	05	14	07	19	08	12	11	06	12	06																														
SHANGRILA	6	1200	07	01	08	12	09	12	07	05	36	11	27	06	25	04	18	15	17	06																				
SAIDOR	6	1500	07	14											07	08	06	08	03	06	05	09	08	10	09	14	07	14	06	17	07	06	06	13	07	17	05	17				
SHANGRILA	6	1800	15	07							05	06	26	04	03	03	04	16			03	16	01	17	02	18	02	16														
SAIDOR	6	2100	07	15	09	19	09	18	08	18	07	15	05	15	09	09	08	09	08	10	08	15	07	14	07	13	05	14	07	06	06	14	11	11	09	05				
SHANGRILA	7 JULY	0000	14	06	16	12	17	13	16	08	12	06	10	10	07	11	08	11			06	11	08	12	08	13	06	16	07	13												
SHANGRILA	7	0600	12	04	10	07	11	08	11	10							14	11			07	17	07	23	06	07	06	14	07	16	15	12	01	12	28	14	22	16				
SAIDOR	7	0800	18	17					09	21	09	20	09	23	11	20	10	16	09	18	08	17	06	21	06	16	07	26	07	13	32	03	23	10						
SHANGRILA	7	1200	09	06	10	12	10	10	11	06	10	12	06	14	06	16	09	16			10	18			10	18	07	14	08	16	34	07	14	10	12	08	17	17				
SAIDOR	7	1500	08	14							10	24	09	23	09	22	08	19	08	16	09	17	09	18	07	17	07	21	08	15	16	03	26	15						

JULY UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		15000		16000		18000		20000		25000		30000		35000		40000		45000		50000		55000		60000	
SHANGRILA	7	1800	10	10	11	14	12	12	11	10	10	12	11	14	11	12																								
SAIDOR	7	2100	07	05						09	20	10	23	09	17	09	24	06	23	09	20	09	17	09	16	07	21	11	19	11	12	10	07	27	11	08	05					
SHANGRILA	8	0000	09	11	10	17	10	20									09	15			10	10	10	18	10	25	10	18	09	15	10	15										
SAIDOR	8	0300	09	17							10	26	10	27	10	22	10	21	10	17	10	21	10	24	12	16	16	11	27	09	24	11										
SHANGRILA	8	1200	06	10	05	17	07	14	06	17	07	21	07	11	17	15	12	16			10	19	10	16	12	22	09	21	09	12	09	09	19	12	13	12	11	06				
SAIDOR	8	1500	08	14									09	11	08	12	09	08	11	12	12	13	10	13	09	18	11	21	12	17	15	14	18	08								
SHANGRILA	8	1800	07	15	06	20	06	17	06	18	07	17	06	15																										
SAIDOR	8	2100	06	14							11	14	09	14	08	15	06	12	08	11	09	13	09	17	10	14	10	17	12	15	17	15	18	16	20	17						
SHANGRILA	9	0000	06	15	07	25					06	23	09	25	10	16	10	12			06	06	06	08	06	06	06	12	08	20												
SAIDOR	9	0300	06	16	09	18	09	16	11	18	11	20	12	20	10	20	09	23	09	22	06	18	08	15			09	13	15	15	19	16	20	21								
SAIDOR	9	0900	07	16	08	24	09	20	09	20	10	20	09	16	10	25	10	20	09	16	10	16	10	20	08	14	10	17	06	11	09	07	20	15	20	17						
SHANGRILA	9	1200	10	24	11	26	10	26					10	16	20	18	11	11			15	14	11	11	11	11	11	08	20	09	36	12	27	06	06	15						
SAIDOR	9	1500	07	14					11	20	10	19	10	22	10	19	09	15	09	19	09	19	10	14	10	18	13	14	03	08	15	16										
SHANGRILA	9	1800	10	18	10	25	10	25	10	21	10	20	10	19	10	23	10	15			11	13	11	11	12	10	11	08	02	04	11	04										
SAIDOR	9	2100	09	10							10	16	08	18	11	15	10	xx	06	15	xx	xx	07	15	09	11	09	17	09	07	25	15										
SHANGRILA	10	0000	10	13	09	22	10	21	11	21	11	16	10	18	10	21	09	18			09	17	10	17	10	15	10	05	10	04	28	04	33	16	27	12	27	20	27	16		
SAIDOR	10	0300	09	12			09	20	09	18	06	16	10	15	10	15	11	12	11	12	12	12	13	06	10	11	12	05	33	10										
SHANGRILA	10	0600	06	17	08	20	09	16	09	12	10	14	09	17	10	19	12	17	14	20																				
SAIDOR	10	0900	10	13	09	12	10	10	09	16	09	09	12	12	10	11	10	13	10	17	10	09	12	10	14	06	10	07												
SHANGRILA	10	1200	09	11	09	15	10	12	12	10	13	12	12	17	11	24	11	25	11	22							20	06	06	06	25	10	27	22	29	17	32	15	24	04	22	05
SAIDOR	10	1500	11	09											11	16	10	16	10	12	11	12	09	15	10	10	10	04												
SHANGRILA	10	1800	06	14	07	10	09	04	13	06	13	12	10	15	06	15	09	20			09	20	09	21	09	19	10	09												
FALL RIVER	10	1800	05	13	07	15	06	10	06	10	11	13	11	15	10	17	10	14	11	15	10	14	11	15	10	14	12	12	15	11	16	09	33	07	24	25				
SHANGRILA	10	1300	05	08	05	11	04	10	06	12	10	15	09	18	11	17	10	12			12	14	10	14	10	14	13	10	10	07	24	11	24	13	29	09				
SAIDOR	10	1500	06	12	07	15	08	15	09	14	11	14	12	14	12	13																								
MT. McKINLEY	11	0630	06	11	07	16	06	22	06	22	06	23	08	23	09	18	06	16																						
SHANGRILA	11	0600	03	10	04	14	04	11	05	10	07	11	08	10	07	11	07	14	08	13	08	14			06	12														
SHANGRILA	11	1200	09	13	11	18	09	16	09	12	08	12	08	10	07	06	09	10			10	11	10	14	08	09	08	12	15	10	09	06	20	08	26	13	28	20	30	21	04	09
SAIDOR	11	1500	06	12			10	26	10	27	09	26	09	25	09	28	07	20	07	17	07	18	05	17	11	14	13	14	16	16	28	16								
SHANGRILA	11	1800	09	12	10	17	10	18	10	14	10	11																												
FALL RIVER	11	2230																					10	08	07	06	12	16	13	15	15	17	25	17	29	15				
SHANGRILA	12	0000	07	15	09	15	10	13	09	14	06	16	09	14	09	17	11	12			09	11	09	10	09	10	11	16	12	08	03	05	27	06	33	08				
SAIDOR	12	0300	10	16			09	23	10	23	10	25	10	30	09	23	10	18	11	17	12	19	13	15	10	13	10	09	10	14	16	11	23	06	29	09				
SHANGRILA	12	0600	07	10	09	16	10	15	10	14	09	14	10	17	11	15					11	10	10	14	12	12	10	10	09	04	33	10								
MT. McKINLEY	12	0700									09	28	06	30	06	26	10	16	14	32	18	32	18	46	19	54	20	32	20	28	10	30	08	24						
SAIDOR	12	0900	08	09							09	21			10	22	11	22	11	26	11	26	10	25	11	26	11	25	14	30										
SHANGRILA	12	1200	09	15	10	20	11	25	08	13	10	16	10	16	10	13	10	19			10	17	10	18	10	18	15	18	10	07	06	14	06	06	35	11				
FALL RIVER	12	0600	05	07	10	25	09	21	09	19	09	21	08	20	10	16	09	20	11	20	12	22	11	19	11	20	14	18	11	20	10	20	10	08	10	04				

JULY UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		15000		16000		18000		20000		25000		30000		35000		40000		45000		50000		55000		60000	
SHANGRILA	12	0700	10	10					09	15	09	07	23	03	24	05	10	22			10	14	10	13	09	10	09	12	06	15	04	16	07	14								
SAIDOR	12	1000	10	20			08	20	07	22	07	18	07	21	07	20	08	19	07	18	05	23	05	20	07	23	12	23	1	24										
SPANGRILA	13	0000	10	10	10	18	10	20							10	13	09	19			09	14	09	15	09	19	09	10	12	10	07	17	06	08								
SAIDOR	13	0300	08	15	08	30	08	25	08	22	10	20	09	27	09	22	09	15	10	16	10	18	09	12	10	11	08	08	09	12	08	16	15	16	21	11	18	12				
SHANGRILA	13	0600	10	11	10	13	10	15	09	15					08	16	09	13			08	13	07	16																		
SAIDOR	13	0900	08	14							11	22	10	22	10	20	09	16	09	19	09	18	09	13	08	12	05	20	03	22	28	04	01	06	10	12						
SHANGRILA	13	1200	10	07	12	11	10	15	11	16					10	17	09	17			10	10	08	14	07	22	09	13														
SAIDOR	13	1500	06	14											09	12	09	17	09	14	09	18	09	21	08	22	06	17	04	25	02	20	01	09	09	07						
SHANGRILA	13	1800	07	08											09	10							07	12	11	10	06	20	08	17	05	20	03	23	03	24	06	16	05	12		
SAIDOR	13	2100	08	14					13	10	09	13	10	08	10	05	08	12	07	15	09	14	08	17	06	15	06	10	02	21	14	19										
SHANGRILA	14	0000	11	05	08	15	10	08	10	08	06	07	15	10	15	09					07	08	07	12	07	12	05	16	09	08	05	12	01	24	36	16	33	13	33	14		
SAIDOR	14	1500	16	18	09	21	08	18	10	16	07	08	08	05	07	04	05	10	05	12	05	07	07	04																		
SAIDOR	14	2100	09	11			10	28	09	18	08	14	07	13	07	13	08	12	06	11	03	10	02	07	02	10	05	10														
SHANGRILA	15	0000	10	14	10	20	09	32	10	16	09	15	09	20	06	11	06	08	06	10	07	10	01	04	03	07	11	10														
SAIDOR	15	0300	09	10					10	24	10	20	09	15	08	13	07	10	06	12	06	08	06	09	08	04	08	04														
SHANGRILA	15	0600	12	19	10	15	10	20	09	22	09	14	09	16	08	15	09	13			10	11	10	08	06	07	16	07	27	10	27	10										
MT. McKINLEY	15	0700	09	09							06	14	09	12	10	16	08	12	09	08	08	08	10	02	11	04																
SAIDOR	15	0900	09	07	09	12	10	17	11	18	12	16	10	14	06	13	09	10	10	12	09	11	10	10	10	06	09	09	20	06	18	06										
SHANGRILA	15	1200	12	11	10	17	10	19	10	17	12	12	11	13	09	13																										
SAIDOR	15	1500	10	09	10	16	10	15	11	13	11	09	11	13	11	09	13	07	13	05	15	03	10	01	73	05	25	11														
SHANGRILA	15	1800	10	12	12	17	11	13	12	11	13	09	13	07	11	05	12	06	11	04																						
SAIDOR	15	2100	10	12	11	18	11	16	12	11	14	11	15	07	14	07	14	09	15	08	18	08	16	06	18	05																
SAIDOR	16	0300	09	10	10	15	10	15	12	14																																
MT. McKINLEY	16	0700	09	11											16	06	17	07	18	08	19	10																				
SHANGRILA	16	0600	09	10	11	15	13	10	20	06	20	07					18	09			21	05	22	12	18	14	21	08	21	05												
SAIDOR	16	0900	10	12	09	22	10	21	13	20	09	15	09	09	16	16	16	09	17	08	17	12	17	09	18	10	19	12														
SAIDOR	16	1500	10	16	10	18	10	17	11	12	11	07	13	04	13	05	18	04	23	06																						
FALL RIVER	16	1700	10	12	10	17	10	12	10	12	09	08	12	14	14	06	12	08	11	03	11	03	16	06	15	10	17	12	19	21	13	11	26	35						
SAIDOR	16	2100	10	09	11	18	10	14	10	12	09	09	07	09																												
SHANGRILA	17	0000	23	12	22	08	21	06	20	03	32	04	03	05									12	04	14	04	18	05	15	05	36	06										
SAIDOR	17	0300	C	C	16	07	17	07	15	08	13	09	11	09	11	09	12	11	12	11	12	09	12	10	11	08	14	06														
SHANGRILA	17	0600	24	10	25	12	26	11	28	04	04	05	07	10	09	07	10	08			11	14	12	30	11	11	11	07	13	07	13	07	02	04								
SAIDOR	17	0900	10	10	02	02	34	02	29	02	07	01	12	02	07	03	06	02	11	03	12	05	20	04																		
SHANGRILA	17	1200	27	06	29	07	30	08	29	09	30	09	29	04	09	04	07	07			12	06																				
SAIDOR	17	1500	03	10	04	11	02	06	35	06	32	06	31	07	34	09	35	03	05	02	13	03	14	06	15	08	20	07	24	06												
SAIDOR	17	2100	08	06	08	17	06	15	06	10	04	06																														
SHANGRILA	18	0000	35	01	31	09	32	10	33	12	01	09	04	08	08	05																										
SAIDOR	18	0900	08	10	08	21	06	21	08	18	06	18	11	14	10	12	12	12	13	12	11	09	09	13	15	06																
FALL RIVER	18	1030	09	09	09	13	09	20	08	29	08	30	08	17	06	09	10	07	13	06					08	09	09	10	08	12	06	11										
SAIDOR	18	1500	08	05	08	14	09	15	08	17	06	20	08	13	09	12	09	13	09	10																						
SHANGRILA	18	1800	C	C	11	02	10	03	09	07	09	07	07	08	07	12	07	12							11	19	08	17	13	10	11	17										
SAIDOR	18	2100					06	12	05	12							10	20	09	15	09	07	14	07	35	20	01	09	06	06	06	10										
SHANGRILA	19	0000	28	06	06	02	14	03	11	06	09	06	09	06											07	13	08	12	05	20	05	08	11	08	12	17						
SAIDOR	19	0300	08	05	06	19	08	12	07	13	10	11	12	08	10	12	09	12	10	11																						
SHANGRILA	19	0600	13	08	13	10	12	07	09	06	09	11	09	12	08	15	08	10							06	08	06	17	05	10	08	09	12	08	09	12						
SHANGRILA	19	1200	16	07	19	12	19	10	16	15	13	13	12	16	11	13	12	18							10	21	04	37														
SAIDOR	19	1500	11	16	13	16	16	12																																		
SHANGRILA	19	1800	29	02	26	02	26	02	25	02																																
SAIDOR	19	2100	11	05	13	09	13	09	15	07	16	09	17	09	15	09	12	09	12	12	11	12	08	10	12	09																
SHANGRILA	20	0000	12	05	15	07	17	11	17	04					06	07	06	04							06	08	12	10	12	06	35	05	29	10	36	08	30	09				

JULY UPPER WINDS

| SHIP | DAY | TIME | SURFACE | | 2000 | | 4000 | | 6000 | | 8000 | | 10000 | | 12000 | | 14000 | | 16000 | | 18000 | | 20000 | | 22000 | | 24000 | | 26000 | |

JULY UPPER WINDS

SHIP	DAY	TIME	SURFACE		3000		6000		9000		12000		15000		18000		21000		24000		27000		30000		33000		36000		39000		42000		45000		48000		51000		54000	
SHANGRILA	12	0700	10	10					09	15	09	07	23	05	24	05	10	22					10	14	10	13	09	10	09	12	06	15	04	16	07	14						
SAIDOR	12	1000	10	20			08	20	07	22	07	18	07	21	07	20	08	19	07	18	05	23	05	20	07	23	12	23	12	24										
SHANGRILA	13	0000	10	10	10	18	10	20							10	13	09	19			09	14	09	15	09	19	09	10	12	10	07	17	06	08						
SAIDOR	13	0300	08	15	08	30	08	25	08	22	10	20	09	27	09	22	09	15	10	16	10	18	09	12	10	11	08	08	09	12	08	16	15	16	21	11	18	12		
SHANGRILA	13	0600	10	11	10	13	10	15	09	15					08	16	09	13			08	13	07	16																
SAIDOR	13	0900	08	14							11	22	10	22	10	20	09	16	09	19	09	18	09	13	08	12	05	20	03	22	28	04	01	06	10	12				
SHANGRILA	13	1200	10	07	12	11	10	15	11	16					10	17	09	17			10	10	08	14	07	22	09	13												
SAIDOR	13	1500	06	14											09	12	09	17	09	14	09	16	09	21	08	22	06	17	04	25	02	20	01	09	09	07				
SHANGRILA	13	1800	07	08											09	10							07	12	11	10	06	20	08	17	05	20	03	23	03	24	06	16	06	12
SAIDOR	13	2100	08	14					13	10	09	13	10	06	10	05	08	12	07	15	09	14	08	17	06	15	06	10	06	21	14	19								
SHANGRILA	14	0000	11	05	08	15	10	08	10	08	06	07	15	10	15	09					07	08	07	12	07	12	05	16	09	08	05	12	01	24	36	16	33	13	33	14
SAIDOR	14	1500	16	18	09	21	08	18	10	16	07	08	08	05	07	04	05	10	05	12	03	07	07	04																
SAIDOR	14	2100	09	11			10	26	09	18	08	14	07	13	07	13	08	12	06	11	03	10	02	07	02	10	06	10												
SHANGRILA	15	0000	10	14	10	20	09	32	10	16	09	15	09	20	08	11	06	08	06	10	07	10	01	04	03	07	11	10												
SAIDOR	15	0600	09	10					10	24	10	20	09	15	08	13	07	10	06	12	06	08	06	09	08	04	08	04												
SHANGRILA	15	0600	12	19	10	15	10	20	09	22	09	14	09	16	08	15	09	13			10	11	10	08	06	07	16	07	27	10	27	10								
MT. McKINLEY	15	0700	09	09							06	14	09	12	10	16	08	12	09	08	08	08	10	02	11	04														
SAIDOR	15	0900	09	07	09	12	10	17	11	18	12	16	10	14	08	13	09	10	10	12	09	11	10	10	10	06	09	08	20	06	18	06								
SHANGRILA	15	1200	12	11	10	17	10	19	10	17	12	12	11	13	09	13																								
SAIDOR	15	1500	10	09	10	16	10	15	11	13	11	09	11	13	11	09	13	07	13	06	15	03	10	01	73	05	25	11												
SHANGRILA	15	1800	10	12	12	17	11	13	12	11	13	09	13	07	11	05	12	06	11	04																				
SAIDOR	15	2100	10	12	11	18	11	16	12	11	14	11	15	07	14	07	14	09	15	06	18	08	16	06	18	05														
SAIDOR	16	0300	09	10	10	15	10	15	12	14																														
MT. McKINLEY	16	0700	09	11											16	06	17	07	18	08	19	10																		
SHANGRILA	16	0600	09	10	11	15	13	10	20	06	20	07					18	09			21	05	22	12	18	14	21	08	21	05										
SAIDOR	16	0900	10	12	09	22	10	21	13	20	09	15	07	09	16	16	16	09	17	08	17	12	17	09	18	10	19	12												
SAIDOR	16	1500	10	16	10	16	10	17	11	12	11	07	13	04	13	05	18	04	23	06																				
FALL RIVER	16	1700	10	12	10	17	10	12	10	12	09	08	12	14	14	06	12	08	11	03	11	03	16	06	15	10	17	12	19	21	13	11	26	33						
SAIDOR	16	2100	10	09	11	18	10	14	10	12	09	09	07	09																										
SHANGRILA	17	0000	23	12	22	08	21	06	20	03	32	04	03	05									12	04	14	04	18	06	15	05	36	06								
SAIDOR	17	0300	C	C	16	07	17	07	15	08	13	09	11	09	11	09	12	11	12	11	12	09	12	10	11	08	14	06												
SHANGRILA	17	0600	24	10	25	12	26	11	28	04	04	05	07	10	09	07	10	08			11	14	12	20	11	11	11	07	13	07	13	07	02	04						
SAIDOR	17	0900	10	10	06	06	34	06	29	02	07	01	12	02	07	05	05	02	11	03	12	05	20	04																
SHANGRILA	17	1200	27	06	29	07	30	08	29	09	30	09	29	04	09	04	07	07			12	06																		
SAIDOR	17	1500	03	10	04	11	06	08	35	06	32	06	31	07	34	09	35	03	05	02	13	03	14	06	15	08	20	07	24	06										
SAIDOR	17	2100	08	06	06	17	06	15	06	10	04	06																												
SHANGRILA	18	0000	35	01	31	09	32	10	33	12	01	09	04	08	06	05																								
SAIDOR	18	0900	06	10	08	21	08	21	08	18	08	18	11	14	10	12	12	12	13	12	11	09	09	13	15	08														
FALL RIVER	18	1030	09	09	09	13	09	20	08	29	08	30	08	17	08	09	10	07	13	06					08	09	09	10	08	12	06	11								
SAIDOR	18	1500	08	05	08	14	09	15	08	17	06	20	08	13	09	12	09	13	09	10																				
SHANGRILA	18	1800	C	C	11	08	10	03	09	07	09	07	07	09	07	12	07	12							11	19	08	17	13	10	11	17								
SAIDOR	18	2100					06	12	05	12							10	20	09	15	09	07	14	07	35	20	01	09	06	06	06	10								
SHANGRILA	19	0000	28	06	06	08	14	03	11	06	09	06	09	06											07	13	08	12	05	20	05	08	11	08	12	17				
SAIDOR	19	0300	08	05	06	19	08	12	07	13	10	11	12	08	10	12	09	12	10	11																				
SHANGRILA	19	0600	13	08	13	10	12	07	09	06	09	11	09	12	06	15	08	10							05	08	06	17	05	10	08	09	12	06	09	12				
SHANGRILA	19	1200	18	07	19	12	19	10	16	15	13	13	12	18	11	13	12	18							10	21	04	37												
SAIDOR	19	1500	11	16	13	16	16	12																																
SHANGRILA	19	1800	29	02	26	02	25	06	25	02																														
SAIDOR	19	2100	11	03	13	09	13	09	15	07	16	09	17	09	15	09	12	09	12	12	11	12	08	10	12	09														
SHANGRILA	20	0000	12	05	15	07	17	11	17	04					06	07	06	04							06	08	12	10	12	06	35	05	29	10	36	08	30	07				

JULY UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		15000		16000		18000		20000		22000		24000		26000		28000		30000		32000		34000		36000	
SAIDOR	20	0500	09	10	12	21	14	10	13	10	15	06	13	06	12	06	13	07	13	07	07	06	02	04																		
SAIDOR	20	0900	10	10	13	14	14	13	14	12	11	10	11	08	11	07	12	08	14	10	14	05	14	08	01	08	01	08	32	20	31	14	30	15	22	04	30	10				
SAIDOR	20	1500	14	05	16	13	17	11	17	07	16	08	12	07	13	09	13	07	12	10	14	10	10	09	06	04	36	08	34	24	34	15										
SHANGRILA	20	1800	16	07	17	11	17	09	19	08	23	05	20	01	13	05	16	07									13	11														
SAIDOR	20	2100	17	05	14	08	15	06	17	05	20	05	12	05	10	06	10	09	11	10					14	05																
SHANGRILA	21	0000			14	12																	16	07	13	07	17	09	17	08	09	05	05	12	32	07	32	24				
SAIDOR	21	0500	16	07	15	14	18	15	17	10	18	05	16	08	21	08	17	01	17	01	17	03	17	06	25	08																
SHANGRILA	21	0600	16	06	16	06	19	08	21	09	21	07	17	09	14	10	14	12			14	10	14	06	14	06	15	07	06	06	08	07	04	05	02	14	08	15	32	13	10	13
SAIDOR	21	0900	20	07	18	14	19	12	19	10	20	07	19	06	15	03	10	06	15	05	16	07	16	12	18	06	18	06	24	02												
SHANGRILA	21	1200	15	08	16	10	17	07	19	07	19	06	17	07	16	07	15	07			15	04	15	04			13	11	12	10	07	06	07	12	02	15						
SAIDOR	21	1500	17	05	16	14	17	11	17	10	17	07	13	07	13	06	18	07	19	10	19	11	21	09	22	12	23	11	24	03												
SHANGRILA	21	1800	12	06	13	10	15	07	13	06	12	06	16	06	15	06	12	04			12	05	09	05	09	06	11	05	10	10	11	12										
SAIDOR	21	2100	14	05	16	11	17	06	15	09	14	06	16	06	20	06	23	06	20	05	27	04	29	03																		
SHANGRILA	22	0000	14	10	13	12	14	10	14	08	15	07	13	09	09	12	12	06			12	06	10	06	09	07	10	20	06	06	12	16	11	19			02	14				
SAIDOR	22	0300	14	07			18	13	17	11	18	11	17	10	17	10	17	10	17	10	17	09	19	05	19	06	11	04												
SAIDOR	22	0900	14	09	15	12	17	12	16	09	15	09	14	11	17	09	21	06	22	09	19	07	16	08	16	12	14	04	17	13												
SHANGRILA	22	1200	11	11	11	17	11	17	12	19	10	11	09	11																												
SAIDOR	22	1500	13	16	14	22	14	17	15	16	15	08	20	08	17	09	18	10	19	06	20	06	26	05																		
SHANGRILA	22	1800	12	06	13	07	11	10	12	17	18	22	08	15	09	17	08	19			08	20	02	20	06	20	08	46	06	24	06	24	09	26	09	25						
SAIDOR	22	2100	19	06	15	09	16	10	16	12	15	14	14	12	13	10	12	15	12	14	12	13	13	12	12	12	11	17														
SHANGRILA	23	0000	07	06	07	14	06	15	06	16	09	15	19	13	09	12	10	20			09	18	10	29	10	26			10	22	10	19	10	24								
SAIDOR	23	0300	09	07	10	12	10	12	11	11	13	13	12	07	10	10	10	12	10	13	11	15	13	19	14	22																
SHANGRILA	23	0600	06	11	07	11	07	09	08	11	09	17	08	11	09	16	10	20			09	27	12	26	08	22	11	15	09	29	10	32	06	20	06	18						
SAIDOR	23	0900	09	14	09	19	09	15	09	18	10	15	06	10	06	11																										
SHANGRILA	23	1200	06	11	07	16			06	28	06	14	07	11	06	18	14	17			12	38	12	34	07	18	07	32	11	22	15	32	01	37								
SAIDOR	23	1500	07	15	09	21	09	19	10	21	11	18	10	13	19	19	10	20	11	22	11	24	12	20	10	18	15	16														
SHANGRILA	23	1800	10	14	09	17			09	20	09	14	08	16	10	16	09	26			11	31			12	32																
SAIDOR	23	2100	09	10					10	21	09	19	09	25	09	20	06	16	09	22	09	22	12	23	13	24	11	26	07	24	06	16	06	16								
SHANGRILA	24	0000	12	15	12	09	11	21	11	11	10	09	10	09	15	10	16	10			15	18	15	19	15	16	09	16	03	25	02	23	02	36								
SAIDOR	24	0300	06	14			06	22	09	22	09	20	10	22	09	20	06	10	09	20	12	20	13	25	13	23	12	18	08	20	07	22	07	13	06	28						
SHANGRILA	24	0600	13	17	14	25	14	22	13	21	12	17	14	11	14	12	12	15			10	12	11	06	10	12	06	10	06	16	04	24	02	40	02	36	36	13	01	20		
SAIDOR	24	0900	10	10			12	24	12	22	12	22	11	22	11	22	11	23	12	20	13	20	13	20	13	23	13	29	10	10	05	20	05	19	02	23	01	34				
SHANGRILA	24	1200	16	14	17	20	14	21	14	17	15	17	13	14	11	10	10	12			11	12	11	16	09	19	07	13	01	15	36	24	01	36								
SAIDOR	24	1500	13	09					17	16	16	23	16	22	15	16	14	13	13	11	12	10	14	06	16	16	08	15	06	16												
SHANGRILA	24	1800	17	05	17	12	16	14	17	14	15	13	13	14	11	12	10	12			10	13	10	14	09	17	06	17	03	23	03	33										
SAIDOR	24	2100	23	05							13	06	16	10	15	12	13	12	14	10	12	09	13	14	15	12	13	08	36	09												
SHANGRILA	25	0000	14	06	16	06	17	06	17	10	15	06	13	10			10	14			09	12	10	14	09	17	08	19	04	23	03	28	04	29	03	40						
SAIDOR	25	0300	11	06	17	10	17	14	16	12	16	14	17	14	12	16																										
FALL RIVER	25	0600	12	06	11	11	15	10	16	10	15	10	12	10	11	13	10	11	09	10	09	11																				
FALL RIVER	25	1300	16	07	17	10	17	10	15	08	16	06	12	08	10	10	10	12	10	12	08	12	09	09	09	11	06	10	06	15	06	25	04	37								

JULY UPPER WINDS

SHIP	DAY	TIME	SURFACE		2000		4000		6000		8000		10000		12000		14000		15000		15000		18000		20000		25000		30000		35000		40000		45000		50000		55000		60000	
SAIDOR	25	1500	14	06	17	12	16	12	15	10	16	08	11	06	12	07	10	09	09	12	08	13	07	14	07	11	06	09	04	14										
SHANGRILA	25	1800	18	03							08	11	08	12	08	12	07	12			08	19	06	12	06	12	06	15	07	19	05	23	03	15						
SAIDOR	25	2100	14	06					17	10	11	08	11	09	07	05	10	07	09	08	10	09	06	16	07	07	07	13	08	16	08	26								
SHANGRILA	26	0000	03	01	03	01	06	03	06	05	08	10	09	14	10	10	09	05			08	15	07	21	09	18	05	20	09	16	08	18								
SAIDOR	26	0300	16	04	24	04	20	07	18	08	15	08	12	07	15	12	11	11	11	10	12	12	10	13	08	11	08	09	06	08	10	22	07	35						
SHANGRILA	26	0600	08	01	09	01	07	02	07	07	09	09	11	10	10	15	10	10			16	20	09	40	07	21														

EXPLANATION OF UPPER AIR OBSERVATIONS

1. Upper Air Observational Data Included:

On the following pages are recorded all available upper air temperature, humidity and pressure data pertinent to the CROSSROADS Operation. Stations making radiosonde observations twice daily were:

U. S. S. *Shangri La* (maneuvering near Bikini).
Kwajalein.
Wake.
Eniwetok.
Majuro.
Bird Dog 3 (weather ship 12°45′ N., 180°00′).
Bird Dog 4 (weather ship 12°00′ N., 153°40′).

Weather reconnaissance aircraft usually made several soundings during their patrols. These were made usually over Bikini, near the outer extremities of their flight paths and over Kwajalein.

Because of radio interference from other broadcast channels near the frequency available for radiosonde reception, no radiosonde data for Bikini were obtained except that recorded by the U. S. S. *Shangri La* when she was in the Bikini Lagoon.

2. Details of Weather Elements Recorded:

Radiosonde reports are divided into two parts; the standard or *basic section* which is transmitted first; then, into the *significant point section* which follows the basic section in the coded radiosonde message. The *basic section*, or "mandatory level" section, consists of data for standard levels which are always transmitted, and the "significant point" section consists of data for other levels at which significant changes in temperature and humidity occur. If it is desired to plot a complete sounding, it will be necessary to plot both the points for the mandatory levels, as well as those for significant levels.

TIME (Local).

All times are in —11 except the times recorded for Tarawa which are —12. Normally radiosonde observations are made at 0400 G. C. T. and 1600 G. C. T.

Mandatory Levels

Symbol	*Meaning*
PPP	Pressure at surface, whole millibars (1012 millibars is written 012).
TT	Temperature whole degrees C.
UU	Relative humidity, whole percent.
hhh	Altitude in tens of feet.
U	Relative humidity (%) as follows: 0– 19—1. 20– 29—2. 30– 39—3. 40– 49—4. 50– 59—5. 60– 69—6. 70– 79—7. 80– 89—8. 90– 94—9. 95–100—0.
uu	Mixing ratio in units and tenths of grams. If the mixing ratio is greater than 10 grams, the tens digit is omitted from the coding.

Significant Points

Symbol	*Meaning*
nn	These symbols represent either the number of the level or the height of the level in hundreds of feet.
hh	If the number of the level is given it is written as 11 for the first level, 22 for the second, 33 for the third, etc. The tenth level would be 00, the eleventh 11, the twelfth 22, etc. If the level is given in hundreds of feet, it will be necessary to check the pressure group in order to determine the height in thousands of feet.

All other symbols have the same meanings as above.

3. Aircraft Soundings

Symbol	*Meaning*
Q	Octant of globe. The figure *2* indicates the northern hemisphere between 90E and 180° longitude. The figure *7* indicates the southern hemisphere between the same meridians. All reports occur within these zones.
LLL	Degrees and tenths of latitude.
lll	Degrees and tenths of longitude.
Time (local)	All times are in −11 zone.
TT	Air temperature in degrees C.
UU	Relative humidity in whole percent.

UPPER AIR OBSERVATIONS

1 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0430	01226	79	040	25660	505	19565	041	10449	932	57422		70918	187	86404	058	07999		
	1645	01127	79	038	25674	203	15023	039	07654	924	57212		70018	158	85999	063	22342		
KWAJALEIN																			
WAKE	1352	01450	65	012	28669	154	17692	317	11199	588	54199		66199	970	80999	245	02199		
ENIWETOK	0230	01027	86	031	25369	499	19829	052	10121	924	55199			180		078	82199		
	1400	00829	78	025	27766	499	18707	027	10551	920	54199		63199	158	85999	063	22342		
TARAWA	1400	00830	74	019	30795	484	18601	102	10444	972	56631	248	65199						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	dd PP	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu	dd PPP hh	TTDuu
USS SHANGRI-LA	0430	11904	18623	22856	19359	33666	09116	44640	07999	55564	00216	66476	59420	86316	85006	99266	89999	00150	15999								
	1645	962	21065	22920	19932	33622	16816	44718	09052	55652	03861	66587	01215	77554	51217	88610	86315	99483	60021	00456	63311	33250	99999	44156	19999		
KWAJALEIN																											
WAKE	1352	11916	20728	22800	15123	33742	15199	44670	09199	55604	02199	66547	02199	77424	63199	99347	73099										
ENIWETOK	0230	26926	21950	79765	14681	32650	06199	28433	62199	45400	64199	56158	61199														
	1400	19955	24856	88736	14351	27640	06770	56570	50159	12445	60199	70150	64199														
TARAWA	1400	11935	21851	22606	01296	33523	00641	44482	51318																		
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu
ARMY 2116	654	0515	2490	2280	1770	1380	1240								
2091	769	1000	2380	1990	1790	1500	1370								
2021	697	1330	2670	2280	2070	1760	1460								
2072	682	1500	2300	1900	1500	1400	1200								
NAVY															
NO	APOB														

UPPER AIR OBSERVATIONS

2 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	0N	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA																			
KWAJALEIN	1400	00930	75	028	29795	496	20844	040	12678	940	53019		63521	210	771999	125	00999		
WAKE	0300	01527	72	014	27771	155	15793	316	06999	567	56999		67999	968	82999	242	01999		
ENIWETOK	0215	01027	86	029	25689	460	18602	020	08756	906	58043			143	65005	029	57199		
TARAWA	1400	00930	74	022	28788	486	19697	102	10453	191	56738	246	66310						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu
USS SHANGRI-LA																													
KWAJALEIN	1400	11959	25882	22730	14688	33715	13566	44589	04787	55519	51214	77345	70308	88134	19999	99110	26999												
WAKE	0300	11758	10441	22606	02959	33660	02998																						
ENIWETOK	0215	25933	20058	22650	02857	60563	53210	46400	69506	67370	71306	99518	80404	88130	85199														
TARAWA	1400	11993	26875	22945	22856	33690	21566	44756	13787	56657	06770	66450	60313																
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
ΦLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
[illegible] 2057	669	0430	2190	2180	2070	1780	1418	1150							
2076	776	0630	2490	2280	1860	1680	1360	1130							
2050	709	1030	2490	2370	2080	1690	1560								
2056	656	1230	2590	2360	2117	1960	1570	1250							
NAVY															
NO APEX															

UPPER AIR OBSERVATIONS

5 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0407	01127	81	035	26876	500	18937	040	09772	930	56315		72916	169	63999	063	04399		
	1505	00928	84	033	27895	498	18051	038	12686	934	55846		65309	193	71999	098	01899	478	25999
KWAJALEIN	1400	00930	73	028	29791	496	15427	036	12229	932	55528		64414	184	79199	102	01999		
WAKE	0320	01626	73	014	247[illegible]	[illegible]	14899	316	08116	585	57199		68307	964	83199	237	04199		
	1410	01529	63	014	25[illegible]	[illegible]	18586	319	13999	593	53999		65199	977	79999	255	00999	104	22999
ENIWETOK	0225	01127	84	033	25866	499	17707	030	08880	999	55525			999	36122				
TARAWA	1400	00830	71	024	28776	490	19594	103	10557	192	55309	248	66411						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu	99PPP hhPPP	TTDuu
USS SHANGRI-LA	0407	19041	19945	22874	19946	33734	12565	44662	05871	55622	03645	66590	03216	77470	60314	99372	74305	00328	77999	11156	14999										
	1505	11875	19036	22809	18944	33735	12809	44721	13794	55623	07552	66514	54953	88175	10999	99122	22999														
KWAJALEIN	1400	11769	18361	22720	11453	33536	52640	44437	61312	66374	68410	77256	98199	88158	19999	99104	26999														
WAKE	0320	11850	14899	22736	08661	33675	08199	44622	03199	55586	02199	66452	62209	77432	65309	99338	76199	00130	25199												
	1410	11954	22586	22774	13199	33430	61199	55370	64399	66050	09999																				
ENIWETOK	0225	69790	15572	40598	01533	81522	56943	99225	92199	10166	50225																				
TARAWA	1400	11930	22858																												
MAJURO																															
BIRD DOG 3																															
BIRD DOG 4																															

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2116	655	0515	2480	2170	1870	1730	1540	1420							
2081	786	1045	2590	2290	2080	1960	1690								
2050	705	1330	2580	2580	2080	1960	1670	1470							
2061	658	1530	2690	2370	2070	1960	1730	1550							
NAVY															
NO APOB															

UPPER AIR OBSERVATIONS — JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface PPPTT	Surface 99	1000 mb. hhh	1000 mb. TTDuu	850 mb. hhh	850 mb. TTDuu	700 mb. hhh	700 mb. TTDuu	500 mb. hhh	500 mb. TTDuu	400 mb. hhh	400 mb. TTDuu	300 mb. hhh	300 mb. TTDuu	200 mb. hhh	200 mb. TTDuu	100 mb. hhh	100 mb. TTDuu
USS SHANGRI-LA	0437	00926	89	037	26990	501	20972	040	12791	946	54322		69999	209	78999	127	00999		
	1500	00827	87	028	26889	494	18938												
KWAJALEIN	1400	00829	80	025	29702	494	20725	054	10787	928	54425		62999	192	79199	103	00909		
WAKE	0300			038	[illegible]16	156	16811	316	09708	571	52199			956	79199	232	90199		
	1405	01550	64	013	26755	153	16693	318	11120	595	54199		68199	976	82199				
ENIWETOK																			
TARAWA	1400	00529	72	024	28784	488	17824	102	09780	191	55636	248	68617						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	88PPP	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu
USS SHANGRI-LA	0437	11854	21069	22614	06877	33550	01437	44446	60211	55426	61999	77256	86999	88216	96999	99116	83999	00106	82999										
	1500	11890	18050	22712	10676																								
KWAJALEIN	1400	11822	04873	22468	57733	33428	60729	55383	66207	66252	87139	77119	20999																
WAKE	0300	11600	05199	22400	64199																								
	1405	11785	12787	22658	30199	33588	02199	44528	00199	55460	60199	772	92199																
ENIWETOK																													
TARAWA	NONE																												
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
ΦLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2115	554	0500	2580	2170	1860	1580	1250	1110							
2057	736	1100	2490	2100	1800	1570	1490	1060							
2047	693	1300	2580	2000	1960	1970	1440	1060							
NAVY															
NO APOB															

UPPER AIR OBSERVATIONS

8 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	88	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0321	00696	82	028	28893	499	18050	034	10885	995	57043		85720	184	80506				
KWAJALEIN	0200	00927	86	028	27800	493	18836	032	10820	925	56844		84308	180	80406	035	02999		
	1500	00829	91	025	29796	492	18945	032	11671	928	54214		85721	189	79911	086	01899		
WAKE	0300	01627	79	144	25715	155	15569	317	11199	590	54999		86999	972	82999	246	98899		
	1600	01451	65	013	28789	153	16580	518	12453	594	54199		85199	977	30699	253	02999	673	80999
ENIWETOK																			
	1456	00829	75	027	27776	489	15807	021	08667	911	58199		58199	145	84504				
TARAWA																			
	1400	00429	78	019	28802	483	17717	102	08665	191	55424								
MAJURO																			
BIRD DOG 3	1500	01227	73	XXX	XXXXX	508	16705	039	09110	844	51XXX								
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	88PPP	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP 88	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu	88PPP hh	TTDuu
USS SHANGRI-LA	0321	22800	17935	33754	12806	44726	11837	55600	03650	77370	69718	88246	90999																
KWAJALEIN	0200	11619	05769	22586	01750	33536	53952	44518	53651	55434	62725	77374	62512	88262	88503	99178	08099												
	1500	11901	20066	22802	17826	33764	15347	44723	12679	55618	05546	66582	02113	77448	59835	99258	84906	00180	84999										
WAKE	0300	11946	22815	22770	12116																								
	1400	11784	14545	22724	14457	33800	06199																						
ENIWETOK																													
	1456	10973	24747	24930	20839	96717	10778	52599	00217	46400	58199	69364	72406	02313	81464	41268	86403												
TARAWA																													
	1400	11932	22956	22623	04656																								
MAJURO																													
BIRD DOG 3	1500	11758	14238	22562	06446																								
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
NAVY 2118	654	0630	2400	2290	1700	1500	1400	1270							
2108	747	0930	2480	2070	1780	1930	1730	1430							
2067	691	1200	2300	1900	1700	1600	1570	1370							
2061	681	1230	2680	2280	2080	2170	1990								
NAVY															
2013	600	1415	2492	2092	2985	1685	1385	1275							

UPPER AIR OBSERVATIONS

6 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud
USS SHANGRI-LA																			
KWAJALEIN	0200	00827	82	025	27884	489	17573	027	10225	920	55108		66617	193	81607				
	1400	00830	M	025	29786	490	18716	032	12337	909	55321		66199	195	78199	104	01999	491	26999
WAKE	0400	01326	70	012	24737	155	15795	315	09337	588	56420		67199	969	83999	251	05999		
	1407	01330	66	001	25756	155	16708	317	10451	589	55530		65310	972	79193	249	01999	671	22999
ENIWETOK	0231	00927	76	099	11199	999	11199	043	08855	942	54199		65413	515	80199	361	52199		
	1400	00877	30	024	27777	489	17824	024	14199	920	54199		63199	340	78199	052	53199		
TARAWA																			
	1400	00824	92	021	24976	485	17827	002	08090	909	56841	470	692XX						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud	00PPP hhh	TTdud
USS SHANGRI-LA																													
KWAJALEIN	0200	11885	17888	22835	16130	37800	17199	44763	14121	55728	11339	66652	08118	77581	03199	88488	56319	99465	56209	00440	61199	11488	65808	33580	69618				
	1400	11829	21847	22827	17711	33805	19243	44748	15125	55630	07115	66606	05436	77579	03115	88512	55212	99476	57210	11282	64199	22102	68979	33092	75899				
WAKE	0400	11780	11867	22750	11892	33730	09932	44640	08199	55590	02540																		
	1407	11835	15793	22787	14350	33615	04327	55135	71999	66058	25999	77044	05999																
ENIWETOK	0231	83753	14676	24727	11777	10685	08441	28655	07218	47628	05217	84518	54213	99489	55212	27458	60416	48400	65413	88350	72308	16317	77199	46882	88504				
	1400	18947	25856	23931	23670	55828	16634	77769	16469	88736	14232	25400	63199	27379	67199	45160	60199												
TARAWA																													
	1400	11943	34861	22535	55049	33515	55845																						
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
0LLL ARCFT	LLL	00Z (LOCAL)	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud
2116	655	0530	2370	2070	1780	1560	1330	1150							
2105	749	0915	2480	2370	1980	1400	1570	1150							
2030	690	1230	2590	2190	1980	1780	1570	1260							
NAVY															
2000	650	0930	2585	2285	1800	1565	1375								

UPPER AIR OBSERVATIONS — JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdd	hhh	TTdd	hhh	TTdd	hhh	TTdd	hhh	TTdd	hhh	TTdd	hhh	TTdd	hhh	TTdd
USS SHANGRI-LA	0212	00727	63	026	26806	492	17040	036	09891	926	56212		66999	178	82999	070	04999		
KWAJALEIN	0200	00727	82	023	27856	486	18832	026	10778	917	58529		65198	171	81199	071	04999		
	1500	00927	87	028	27899	492	17936	030	09886	924	55738		65310	164	80199	090	01999		
WAKE	1405	01430	82	013	26552	154	16710	317	10341	591	54529		64209	975	79199	251	01999		
ENIWETOK	0240	00927	67	026	26526	483	15604	026	13199	913	56199		65199	178	80199	061	52199		
	1500	00927	70	027	25747	488	17504	020	12199	924	54213		64199	150	79199	009	52199		
TARAWA	1400	00626	32	024	25265	456	14044	020	06065	910	55047	XXX	XX621						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd	00PPP	TTdd
USS SHANGRI-LA	0212	11638	17037	22758	15232	44630	03220	55536	03115	77428	64999	99362	73999	00248	94999	11124	25999										
KWAJALEIN	0200	11624	04759	22573	01219	33530	53319	44457	60625	55428	63511	77175	10999	88158	03999												
	1500	11900	20080	22546	06661	33584	01857	44454	53626	66354	71199	77175	07999														
WAKE	1405	11940	20550	22760	12604	33560	00646	55146	16999																		
ENIWETOK	0240	22933	20723	33836	18567	63790	16121	63760	16199	51565	05199	45400	65199	92152	72199	20114	76199										
	1500	24924	21952	33894	18834	35620	17635	60791	15702	45735	14227	35619	06220	59565	02433	49400	64199	28123	90199								
TARAWA	1400	11775	12898																								
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	900	850	800	750	700	650	600	550	500	450	400	350
C&LL ARMY	LLL	TIME (LOCAL)	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd
2116	655	0515	2580	2080	1890	1830	1820	1510							
2120	760	0930	2580	2100	2080	1670	1630	1250							
2030	690	1200	2300	1900	1700	1400	1100	0800							
2078	679	1330	2490	2290	2080	1970	1400	1360							
NAVY															
2069	582	1000	2485	2175	1755	1575	1345	0965							
2012	658	1345	2385	2075	1775	1699	1599	1299							

UPPER AIR OBSERVATIONS

8 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud
USS SHANGRI-LA	0231	00827	89	030	26398	495	17714	031	09775	919	57999		67999	185	81999	060	06999		
	1405	00929	76	032	28785	495	20725	038	09683	930	55215		66999	184	81607	079	03999		
KWAJALEIN	1500	00828	83	025	27895	489	17936	026	08687	916	55425		67310						
WAKE	0225	01528	75	013	24714	155	14669	318	08547	584	57524		69199	962	83199	237	04199		
	1405	01429	62	013	26786	185	16816	319	09561	592	54427		65199	977	79999	274	00999	705	22999
ENIWETOK	1430	01026	91	031	25660	489	17703	032	10787	927	55526		64829	156	77710	946	94199	552	69199
TARAWA	1400	00530	72	022	30793	486	17713	023	09774	913	56528	680	64516						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	aaPPP	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud	aaPPP bbb	TTdud
USS SHANGRI-LA	0231	11950	22845	22658	08704	33512	58209	44412	67999	66396	66206	77374	71510	68338	75305	99276	85999	00222	00999	11150	19999						
	1405	11952	23865	22809	18713	33765	14683	44742	14575	55626	05113	66512	53213	77490	57315	88446	60210	00339	73306	11222	97999	22180	14999				
KWAJALEIN	1500	22373	69830	33342	73816																						
WAKE	0225	11910	16015	22446	64309																						
	1405	11646	06882	22615	06551																						
ENIWETOK	1430	50589	03655	68554	00431	78529	52637	13463	60727	33428	62832	00126	71199	85081	68189												
TARAWA	1400	11969	25775	22899	19934	33460	59312																				
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL ARMY	LLL	VIP (LOCAL)	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd
2116	655	0630	2590	1800	1600	1690	1300	0970							
2113	765	1100	2490	2080	1850	1670	1360								
2063	695	1415	2480	2180	1960	1760	1400								
NAVY															
2063	548	1145	2485	2275	2075	1875	1565								
2122	599	1245	2495	2285	1965	1665	1575								
2063	695	1415	2485	2185	1985	1785	1400								

UPPER AIR OBSERVATIONS — JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	UU	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu
USS SHANGRI-LA	0248	00927	74	031	26782	496	18564	031	09337	920	57316		68999	197	83404	055	04999		
	2200	01027	74	036	27776	505	15915	034	10299	924	57319		68880	189	82506	041	04999		
KWAJALEIN																			
	1400	00829	79	025	29703	493	19714	033	11571	931	54426		64520	196	73607	130	00999		
WAKE	0240	01527	79	013	28604	158	26846	328	15473	903	55527		67310						
	1400	01529	76	013	28766	155	17825	318	10449	891	55426		66199	974	60198	249	02199	125	19199
ENIWETOK	0310	00927	88	029	28766	479	17042	030	10791	925	54199		65199	150	77199	088	88199		
	1520	00929	82	033	27887	429	17828	960	10230	927	55423		65311	192	77199				
TARAWA																			
	1400	00831	69	023	29785	438	18601	027	10068	923	55530	490	65721						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu	PPPP	TTUuu
USS SHANGRI-LA	0248	11960	22850	22763	14341	33723	10555	44666	09110	55622	04999	66538	51213	77496	67316	00248	95999	11137	84999										
	2200	11811	11003	22720	12121	33632	54316	44418	65310	66350	74409	77329	73608	88261	90603	99155	20999	00136	85999										
KWAJALEIN																													
	1400	11870	19832	22800	18466	33738	13563	44723	11790	55658	08540	66531	07220	77562	01199	88510	83215	99487	66317	00436	80731	22382	70410	33857	99804				
WAKE	0240	11955	36899	22788	23601	33742	22778	55360	70307	66334	76199																		
	1400	11745	12916																										
ENIWETOK	0310	13960	24764	84750	13816	22653	07434																						
	1520	13960	22965	25934	22960	84750	13798	34625	05199	63659	01221	16458	59314	53394	65517	92337	72409	97807	54199										
TARAWA																													
	1400	11942	23859	22790	13460	33637	05601	44533	52324																				
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU	TTUU
2116	654	0445	2366	2276	1885	1664	1250	1020							
2130	750	0830	2298	1966	1680	1552	1282								
1103	797	1045	2390	2184	1888	1772	1460	1240							
2070	750	1230	2300	2200	1800	1595	1378								
NAVY															
2077	629	1015	2492	2185	1885	1675	1385	1575							

UPPER AIR OBSERVATIONS

10 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		600 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn
USS SHANGRI-LA																			
KWAJALEIN	0500	00927	87	028	27800	495	19833	035	10780	924	52526		66618	176	82505	072	04999		
	1400	00924	76	028	29788	493	19582	034	10780	928	54216		64724	191	79507	102	00999	487	27999
WAKE																			
	1355	01530	66	015	26755	152	16787	318	12468	588	57316		68199	968	82199	242	02199		
ENIWETOK	0240	01027	85	029	28896	466	16818	030	10199	932	54317		66410	143	81199	042	55199		
	1430	01029	76	028	28765	469	18590	036	14199	948	55199		62199	218	77199	156	99199		
TARAWA	0200	00927	87	027	26892	490	17696	016	09950	xxx	56734	580	67923						
	1400	00930	79	030	26896	498	20056	038	11008	936	55529	500	64811						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn	PPP	TTDnn
USS SHANGRI-LA																															
KWAJALEIN	0500	11648	08335	22839	01754	33514	54215	44490	57832	66312	79606	77258	90603	88136	21999																
	1400	11908	20722	22890	51366	55660	19611	44642	19362	66786	16257	66765	14588	77667	06885	88560	00781	00564	88411	11256	87999										
WAKE																															
	1355	11588	02435	22468	60209	44148	13199																								
ENIWETOK	0240	13960	23974	84750	04672	88740	12560	98713	12230	64556	53218	75444	61512	61377	69716	08512	79505	58158	63199												
	1430	15960	25886	67800	16706	45750	17124	11125	69199	41108	70199																				
TARAWA	0200	11960	25076	22770	13460	53570	51430																								
	1400	11956	24871	22750	12022	53668	08835	44652	07095	56621	61991	66561	53212																		
MAJURO																															
BIRD DOG 3																															
BIRD DOG 4																															

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	YIRL (LOCAL)	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn
ABC															
2116	654	0445	2585	2174	1874	1578	1638	1450							
2130	750	0815	2492	2187	1947	1766	1552								
1099	792	1045	2491	2186	1600	1781	1587	1274							
2070	750	1215	2478	2186	1889	1688	1569								
NAVY															
2071	632	0945	2396	2087	1785	1581	1366								

UPPER AIR OBSERVATIONS

11 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	h2h	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	1400	00828	82	050	27886	499	19830	054	11763	928	56317		85310	186	79998	085	05999		
KWAJALEIN	1400	00830	75	025	29794	454	197[illegible]	053	10675	928	54999		65999	188	79196	096	00999		
WAKE	0300	01627	75	014	24745	150	15689	316	08543	584	58515		69199	961	85199				
	1416	01631	62	015	26756	155	16577	319	10122	590	57210		69199	968	84199	060	03099		
ENIWETOK	0215	01027	80	031	26871	469	15805	019	07115	905	56199		67199	186	81199	088	54199		
	1408	01030	79	031	27894	488	20733	026	11963	930	54199		62199	101	77199	112	98199		
TARAWA	0300	01027	87	030	26897	498	20713	038	11436	936	55421	500	64631						
	1400	00630	70	025	30790	492	19836	032	11677	928	54426	XXX	XX414						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu
USS SHANGRI-LA	1400	11956	23860	22906	21852	33598	03648	44585	02220	55470	58421	77360	70920	88328	74306														
KWAJALEIN	1400	11780	14806	22568	01218	44517	76199	55110	25999	66106	25999																		
	0300	11590	00636																										
WAKE	1416	11925	21852	22788	13571	33728	12124	44516	04528	66125	21999	77104	23999																
	0215	15960	20835	95818	14564	83750	10665	35620	03199	00125	77199																		
ENIWETOK	1408	14960	22975	28915	22854	71786	17236	85750	15819	34625		05327	56199	34426	59199	82343	73199	59160	58199										
	0300	11937	24992	22972	15618	33705	12458	44668	08883	55620	05981	66599	03329	77510	01649														
TARAWA	1400	11950	26895	22890	20065	33618	04212	44536	51538																				
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

NO APOB ARMY FOR 11th

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
NAVY															
NO APOB															

UPPER AIR OBSERVATIONS

12 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		250 mb.		100 mb.	
		PPPTT	00	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	1515	C0728	80	026	28892	459	19730	030	09553	920	55319		65620						
KWAJALEIN	0300	01025	91	031	24979	494	17622	032	08883										
	1400	00630	74	025	29798	482	19726	032	10708	927	55643		65517	188	79199	099	09999		
WAKE	0237	01627	72	014	28760	150	15804	315	06651	581	62311		73199	953	87199	251	07199		
	1500	01431	61	013	29680	150	16812	319	10564	591	56210		68199	972	80199	247	02199	681	17199
ENIWETOK	0230	01127	83	026	25952	489	14897	013	04854	090	50199		68199	121	61199	077	52199		
	1520	01230	73	036	28781	482	16824	021	11364	945	54199		63199	204	77199	118	98199	503	79199
TARAWA																			
	1500	00929	80	020	28887	468	20611	028	10776	927	56738	490	65722						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu	$\frac{PP}{hh}$PPP	TTDuu
USS SHANGRI-LA	1515	11934	22958	22814	18715	33748	13347	44643	04756	55590	01218	66550	52641	77490	55214	88446	60851										
KWAJALEIN	0300	11592	00063																								
	1400	11681	08686	22652	07665	44340	73408	55108	28959																		
WAKE	0237	11936	19836	22894	17703	33770	09769	44750	10448	55600	52532	66472	44208														
	1500	11940	24874	22735	12235	11090	17199																				
ENIWETOK	0230	14960	20987	60815	14457	83750	10673	34618	02112	97125	76199																
	1520	15960	25865	85750	14665	17668	10222	25642	08192	41612	07221	65554	00321	84520	52214	08125	71199										
TARAWA																											
	1500	11960	25867	22750	13888	33855	06758	44605	04324	55524	53945																
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2116	655	0515	2483	2182	1887	1636	1357	0863							
2130	750	0830	2382	2069	1952	1624	1155								
1100	790	1100	2489	2087	1883	1752	1461	1034							
2070	750	1245	2582	2161	1964	1658	1374								
NAVY															
2124	628	1150	2590	2078	1788	1656	1365								

UPPER AIR OBSERVATIONS

15 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	1450	00728	76	005	27778	491	17816	030	06554	913	57837		68716						
KWAJALEIN	0300	01027	86	031	26686	495	16814	029	08556	919	56524								
	1400	00829	76	005	29790	494	20725	033	10785	926	55736								
WAKE	0240	01426	79	013	26760	150	16797	316	07555	587	56316		69189	966	84998				
	1420	01326	67	011	26648	150	15811	315	07554	584	56209		69307	962	84199	232	06199	657	21199
ENIWETOK	0240	01027	85	030	25872	483	16927	026	08766	914	56199		68199	163	78199	069	52199		
	1400	01030	70	028	29780	483	20807	034	11447	933	53199		62199	209	75199	134	96199		
TARAWA	0200	00027	79	027	27779	492	18697	030	10667	924	55316	490	65309						
	1400	08929	76	003	28891	487	18719	026	09562	917	55508	410	64620						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDuu	99PPP hh	TTDuu	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP	TTDuu
USS SHANGRI-LA	1450	11965	22068	22800	14796	33644	04437	44826	03218	55537	54216	66508	56840	77464	60626																
KWAJALEIN	0300	11824	14802	22662	04669	33626	04220	94572	51650	55526	54215	66464	60633	77420	66720																
	1400	11960	26733	22750	13794	33535	06657	44530	52851	55463	58525																				
WAKE	0240	11900	19610	22564	53318	44225	96995																								
	1420	11560	52213	22436	55557	33420	67409	55538	97199	66165	13199	77146	17199	88128	14199	99082	11199														
ENIWETOK	0240	14960	22956	65800	14564	84750	11869	20628	06657	66551	52211	10459	60199	61155	67199	13120	78197														
	1400	16960	25633	39750	14794	48593	04217	73542	61323	82523	51214	10120	66199	27110	70199																
TARAWA	0200	11960	24816	22750	13676	33655	06658	44630	06113	55525	00641																				
	1400	11960	25662	22950	13573	33648	06219	44550	51110																						
MAJURO																															
BIRD DOG 3																															
BIRD DOG 4																															

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			SS0	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2116	654	0500	2387	2067	1284	1550	1173	0862							
2130	750	0600	2188	2062	1838	1542	1315								
1100	790	1000	2378	2260	1982	1666	1458	1152							
2070	750	1142	2387	2086	1890	1591	1452								
NAVY															
NO APOB															

UPPER AIR OBSERVATIONS

14 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	88	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	1430	00528	76	021	27779	468	18720	023	10445										
	0200	00627	84	025	27885	491	18717	027	06666	917	56739		66822	173	80199	080	01999	456	27999
KWAJALEIN	1400	00729	76	023	28795	490	19644	030	11682	924	54637		65721	183	79709	091	02999	465	22999
	0200	01426	85	013	24875	150	17695	316	06544	562	60199		70199	957	86199	227	06199		
WAKE	1415	01231	50	010	26616	155	17713	319	10557	590	57314		68716	970	83999	245	03999		
	0305	02927	79	027	26884	489	16807	025	09225										
ENIWETOK	1425	00829	73	024	27773	489	20728	030	13343	931	52199		62199	128	78199	050	98199	469	70199
TARAWA	NONE																		
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu
USS SHANGRI-LA	1430	11915	21849	22872	16709	33716	11669	44684	09224	55660	06528	66616	06614	77592	03754	88530	02999										
	0200	11980	24866	22750	11779	33636	08331	44584	01855	55540	51427	66452	62034	88370	58410	99304	79405	00255	86189	11103	29999	22094	23999	33075	25999
KWAJALEIN	1400	11960	24880	22750	14692	33582	02758	44557	01436	55465	58736	66440	60419	77426	61626	99312	77912	00276	84504	11252	89605	22120	28189		
	0200	11575	54211																								
WAKE	1425	11620	02433	22542	51113																						
	0305	16960	23087	83750	10554	36821	02322	45600	01212	60535	04189																
ENIWETOK	1425	14960	27801	84750	14567	42606	06218	70088	71199																		
TARAWA																											
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
ARMY 2116	655	0500	2392	2160	1872	1568	1362	0934							
2130	750	0845	2373	2048	1843	1640	1139								
1100	790	1100	2396	2173	1962	1773	1363	1064							
2070	750	1300	22484	2175	1970	1767	1390								
NAVY															
NO AIR															

UPPER AIR OBSERVATIONS

15 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	UU	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu
USS SHANGRI-LA	1310	00729	78	026	27 6	494	18583	026	10453	919	56525		67309	147	62992	058	04999		
KWAJALEIN	1400	0025	90	020	30788	466	18832	027	11672	921	55843		64626	184	78406	096	09999	462	24999
WAKE	0705	01147	79	010	25864	148	15810	315	12794	586	58839		69307						
	1430	013	76	012	24759	153	16812	315	08879	585	57941		69409	983	84705	235	03939		
ENIWETOK	0213	00827	82	025	26876	469	16701	020	07763	909	58199		76100	157	80199	104	55199		
	1400	00830	70	023	28776	467	19727	032	12334	929	54664		63517	201	78199	102	51199	486	73199
TARAWA	0300	09926	88	020	25884	483	17927	021	10344	912	57525	XXX	XX515						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu	00PPP hh	TTUuu
USS SHANGRI-LA	1310	11964	23852	22690	18817	33859	18589	44776	14337	55744	13343	66600	03758	77540	54633	88516	54532	99484	53418	00440	63619	11416	65624	366	14999		
KWAJALEIN	1400	11960	25881	22766	15352	33750	14459	44555	52955	55499	51654	77373	67309	88332	73712	99255	87804	00113	25999	11042	22999	22071	13999	33063	15999		
WAKE	0205	11596	01646																								
	1430	11868	17830	22403	63051	44349	75199	55317	61505	66153	13999																
ENIWETOK	0213	14360	22946	84750	10886	18640	05544	69550	52215	57156	64199	28108	75199														
	1400	14960	26880	84750	15458	07690	11222	36620	06766	06320	75306																
TARAWA	0300	11755	13794	22690	10225	33613	04225	44503	02XXX	55430	53726																
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

NO ASWF APDB 15th

PRESSURE (mb) →			860	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu	TTUu
ASWF NAVY															
NO APDB															

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UPPER AIR OBSERVATIONS

16 JUNE 1946

MANDATORY LEVELS

STATION	TIME (GCT)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb	
		PPPTT	dd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd
USS SHANGRI-LA	1440	00629	73	025	28785	495	19608	033	12456	928	55739		65311	183	81999				
KWAJALEIN	0200	00926	93	028	25992	492	16036	027	07878	913	57859		67821	160	84706	056	05999		
	1400	00730	74	023	28790	486	18607	027	10676	920	55738		64415	184	78406	091	00999	486	24999
WAKE	0310	01225	85	011	24870	152	16925	314	06549	584	66199		68199	903	85999	399	04999		
	1400	01328	72	012	27770	153	17826	317	09669	589	55199		67199	971	81199	246	02999	672	21999
ENIWETOK	0242	00927	79	026	26876	488	12441	025	10117	919	55617		65104	173	78199	084	52199		
	1432	00930	66	028	28766	488	22632	037	12459	932	54199		63199	200	79199	990	51199	510	77199
TARAWA	0300	00828	77	025	27718	488	17608	025	09886	916	57650	480	68717						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	ddPPP	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd	ddPPP hhh	TTDdd
USS SHANGRI-LA	1440	11916	22079	22862	19721	33840	19602	44706	13456	55638	08546	66518	05553	77550	00748	88465	58733	99428	62313	11376	68308	22306	80999	33230	99999				
KWAJALEIN	0200	11960	23977	22750	10936	33630	03756	55262	90703	66148	19999																		
	1400	11960	23859	22760	13792	33521	54848	44433	60312	66377	67309	77255	89603	88101	25999	99095	21999												
WAKE	0310	11772	11903	22628	02757	33560	53320	44520	53199	66154	14999																		
	1400	11588	02217	22563	01542	33537	51215	55160	11999	66065	12999																		
ENIWETOK	0242	14960	21843	20949	21697	84750	12578	33675	04650	67548	01321	70150	68199	31108	78199														
	1432	14960	24764	22932	23862	28915	25370	42872	21479	81750	17466	08665	09199	80596	06199	17545	01538	72150	65199										
TARAWA	0300	11960	24868	22813	16573	33750	13695	44432	53421																				
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
ALT. (Abv)	LLL	TIME (LOCAL)	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd
2116	654	0500	2477	2058	1940	1828	1730	1329							
2130	750	0815	2490	2170	2052	1742	1476								
1100	790	1045	2490	2361	2264	2057	1759	1258							
NAVY															
7005	669	0930	2584	2087	1884	1590	1286	1145							
2053	630	1200	2482	2179	1880	1560	1279	1060							

UPPER AIR OBSERVATIONS

17 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	UU	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu	hhh	TTUuu
USS SHANGRI-LA	0155	00927	74	031	27764	496	18833	035	10674	921	58732		69999	162	83999	050	06998		
	1410	00850	68	050	29776	498	19696	034	10447	922	57527		68999	163	82999	056	03999		
KWAJALEIN	0200	00927	84	028	27695	495	19723	036	12348	929	56842		66310	161	81199	087	02999		
	1400	00828	81	025	28896	494	20727	036	11445	929	55737		65722	188	79199	095	01999	473	26999
WAKE	0300	01427	79	014	26899	155	15805	318	07770	587	57110		68199						
	1445	01430	68	042	28780	505	16825	044	08553	932	57524		68410	179	83199	077	03999	477	20999
ENIWETOK	0232	01027	82	030	25881	490	15792	020	07663	902	58199		76199	149	63199				
	1402	01030	74	033	25756	496	18832	037	11676	930	55110		65199	180	81199	065	02199		
TARAWA	0300	00928	84	022	26883	487	17820	024	09079	920	55426	480	665xx						
	1400	00930	73	024	29789	489	17823	024	08876	924	55740	480	66311						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu	aaPPP	TTUuu
USS SHANGRI-LA	0155	11650	18833	22807	16703	44462	62931	55425	66310	99136	21999																
	1410	11950	23858	22870	19592	33834	18364	44812	16691	55768	14569	66728	13463	77658	06331	88585	00750	99562	32746	00524	88223	11504	56636	28480	61209	
KWAJALEIN	0200	11960	24990	22784	17473	33750	15572	44628	03769	55574	00860	66533	53635	88348	74610	99332	75407	00165	17999								
	1400	11960	26776	22782	16693	33750	14576	44744	14574	55622	04762	66456	59524	77428	63737	99342	73407	00112	26999	11092	25999						
WAKE	0300	11750	12669																								
	1445	11730	10691	22629	04329	33587	01647	44560	51216	55468	60833	66444	62312	88346	74406	99085	17999										
ENIWETOK	0232	14960	22962	36990	17029	63750	11232	28636	01111	58566	51631	71538	54109	58230	92199												
	1402	38984	26772	16960	24869	69795	16592	85750	14696	40613	03756	63562	52329	15462	58752	40104	25199										
TARAWA	0300	11959	24878	22810	14687	33750	12762	44663	05682	55565	51751																
	1400	11960	25873	22750	10868	33609	02747	44589	02756																		
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu	TTUuu
2130	750	1030	2387	2073	1785	1845	1425								
2090	790	1230	2395	2252	1666	1675	1170								
2116	654	0430	2390	2090	1884	1674	1580	1285							
NAVY															
7003	693	0945	2390	2183	1882	1589	1272	0967							
2060	638	1245	2200	2092	1780	1492	1291								

UPPER AIR OBSERVATIONS

18 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD
USS SHANGRI-LA	0100	00827	85	030	27883	497	18693	027	09335	MISSE		MISSA		179	79999	079	01999		
	1610	00728	88	026	27806	493	18827	030	10674	921	58417			841	60010	075	01999	425	29999
KWAJALEIN	0300	00827	87	025	27800	491	18638	028	08986	918	56840		65928	174	60809	079	02999		
WAKE	0320	01424	81	040	28868	489	15027	007	09199	890	59040		69919	109	83606				
	1400	01330	69	043	27771	502	17830	044	08444	927	58315		70307	145	85999	050	06999		
ENIWETOK	0400	01008	84	030	27819	489	18720	027	06435	906	57199		70199	142	85199	188	56199		
	1456	01031	70	029	30656	489	20648	042	12339	944	52199		63199	200	73716	109	99199		
TARAWA	0300	00926	88	021	28865	548	17710	021	06769	906	56523	470	67310						
	1400	00930	75	019	29794	486	17632	024	09991	xxx	xxxx	486	64321						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD	ddPPP	TTDDD
USS SHANGRI-LA	0100	11974	23847	22938	23613	33650	18690	44773	13678	55750	13563	66687	08330	77626	03652	88510	58417	99384	65309	00360	69205	11228	96999	33136	22999		
	1610	11944	23868	22868	18938	33768	15575	44726	12678	55672	08669	66646	06546	77548	52637	88488	59315	99470	59209	00440	69208	11394	66514	22566	10425		
KWAJALEIN	0300	11960	23882	22750	12802	33557	51640	55251	69805	66142	21999																
WAKE	0320	11954	21916	22720	09116	33684	08117	44612	01643	55562	52744	77260	91703														
	1400	11939	23753	22812	15691	33768	14339	44650	04116	55586	51426	66559	53110	77509	57526	88464	63615	99428	66207	11364	65305	22178	10999	33135	11999		
ENIWETOK	0400	11960	22856	84750	12853	12675	04325	48590	32741	54575	02108	95130	75199														
	1456	14960	28773	64807	18065	75750	16357	07592	12237	37620	06767	77533	51117	80356	70307	02323	75715	81228	82704	22115	68199						
TARAWA	0300	11960	22953	22931	20646	33750	12678	44562	53950																		
	1400	11960	26778	22750	11994	33592	02863	44522	53745	55442	60633																
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			860	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	XXXX (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY															
2116	654	0615	2386	2176	1970	1640	1348	1145							
2122	686	0645	2598	1989	1672	1542	1330								
2116	654	0500	2564	2281	1987	1686	1640	1235							
2124	760	0945	2486	2084	1785	1832	1639								
2100	790	1130	2579	2177	1976	1593	1632	1431							
2070	750	1330	2596	2195	1700	1697	1475								
NAVY															
2005	682	1030	2477	2295	1978	1681	1474	0078							
2048	655	1230	2480	2182	1879	1592	1375								

UPPER AIR OBSERVATIONS

19 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0519	00827	83	029	26878	425	17697	029	09552	916	58836		69022	159	84007	062	08999		
KWAJALEIN	0800	00827	85	025	26858	488	17627	025	10339	917	56945		68027	169	81707	169	04999		
	1400	00827	84	025	26888	490	18602	030	11568	925	56842		66825	177	81807	077	03999		
WAKE	0800	01527	85	045	26892	508	16812	045	08554	925	62828		71018	136	85504	060	03999		
	1400	01530	68	046	27866	515	16612	049	10102	917	59209		67307	145	81199	071	01199		
ENIWETOK	1440	00830	76	025	28799	489	22746	036	11226	925	56199								
TARAWA	0300	00925	96	024	24088	487	17930	024	07984										
	1400	00929	77	019	28793	486	21507	028	11571	924	54845	490	63519						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu
USS SHANGRI-LA	0319	11868	19698	22820	14796	33786	14544	44714	08655	55700	09552	68175	16999																
KWAJALEIN	0300	11960	24870	22750	12767	33711	10229	44659	07771	55596	02864	66559	51640	88255	90603	99135	24999												
	1400	11960	23973	22774	15356	33750	14567	44735	13678	55720	13571	66536	54552	77510	55667	99360	89603	00125	24999										
WAKE	0300	11807	17236	22657	06332	33472	63722	55282	89603	66142	19999	77136	17999																
	1400	11994	15350	22760	15124	33562	52321	44526	56421	55460	62199	66430	63208	88370	71307	99350	76506	00145	19199										
ENIWETOK	1440	14960	25879	84750	15575	07690	10117	09468	58199	10150	10165	01047																	
TARAWA	0300	11968	22071	22914	19064	33750	11998	44633	01066	55588	51062																		
	1400	11960	25879	22905	20939	33831	22917	44955	14750	55590	00611	66459	59315																
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
2116	654	0515	2565	2157	2263	2189	1116	1530							
2130	750	1400	2495	1995	1860	1745	1745								
2072	713	1745	2495	2190	2070	1760	1450								
NAVY															
2035	654	0645	2387	2086	1881	1671	1280	0985							
2039	632	0945	2100	2088	1885	1590	1296								

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UPPER AIR OBSERVATIONS

20 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0125	00627	78	029	27780	495	17820	030	11999	921	58630		87719	169	82404	063	04999		
	1734	00728	86	026	27800	492	17832	030	11450	923	58650		87413	169	82807	064	05999		
KWAJALEIN	0200	00828	82	025	27838	491	18834	028	09965	921	58645		87822	175	80506	079	03999		
	1400	00728	79	023	28691	485	15602	019	08769	904	58636		88615	169	82808	049	03999	403	29999
WAKE	0200	01527	76	045	28771	508	17469	042	08223	923	61724		72199	126	87199	022	09999		
	1440	15231	82	046	27655	508	18580	046	08445	935	57651		69506	167	80999				
ENIWETOK	0208	00927	79	028	26874	489	18718	022	10199	919	56529			171	8199	070	56199	422	78199
	1400	00830	70	026	28670	486	19641	033	12336	932	55528		65207	180	78199	102	51199	503	75199
TARAWA	0200	00627	81	022	27381	486	18623	025	10777	916	56840	480	67515						
	1400	00729	58	019	29298	486	18837	026	10788	925	00855	490	62624						
MAJURO	0300	00922	84	023	21826	479	12878	000	04755	873	62826	290	67718						
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu
USS SHANGRI-LA	0125	11958	22856	22794	13898	33720	11120	44648	07220	55532	54738	66478	59525	77464	59730	88432	63621	00156	17999								
	1734	11945	22072	22847	17928	33724	13462	55336	78608	66288	64806	77158	20999														
KWAJALEIN	0200	11960	25873	22750	12862	33567	01749	44426	62622	66341	74814	77724	00150														
	1400	11960	24864	22881	16920	33788	13570	44770	12781	55750	11556	66727	09776	77710	09666	88804	01783	99560	52638	00446	62415	22543	78509	33258	89603		
WAKE	0200	11956	22847	22659	06114	33414	70306	55192	11999																		
	1440	11902	19855	22784	14246	33746	13458	66695	04220	55662	05117	66482	02216	77558	52420	88452	62312	00328	78505								
ENIWETOK	0208	14960	23864	32905	20964	66795	16232	84750	13199	56618	04220	58560	02545	68508	55423	97492	57733	13463	58623	48400	76722	87340	75406	50074	80199		
	1400	14960	25763	84750	14456	90728	14116	14675	11455	45600	04656	76532	52217	96494	55630	98073	70199										
TARAWA	0200	11960	25573	22930	22970	33875	18813	44750	11797	55660	06658	66474	59836	77426	62415												
	1400	11950	24927	22750	13602	33533	59940																				
MAJURO	0300	11938	13818	22804	09878	33648	01642	44630	01642																		
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			860	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY AAF	ROB														
NAVY															
2007	685	1015	2390	1998	1778	1687	1370	0985							
2062	645	1245	1380	1589	1600	1700	2000								

UPPER AIR OBSERVATIONS

21 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0130	00727	76	026	27778	692	17930	026	10557	919	56919		44411	174	82998	090	04998		
	1525	00529	82	025	27891	692	17734	022	10564	920	56420		47999	154	8592	040	08999		
KWAJALEIN	0200	00824	86	025	26865	688	18851	027	09778	917	57652		47821	165	80005	009	05999		
	1400	00729	81	023	29809	690	19837	028	11782	923	54682		43520	189	98808	088	02999		
WAKE	0800	01527	80	045	26879	505	16464	040	08227	926	59728		70507	148	81192	070	02999		
	1420	01529	66	045	27777	515	18851	050	10446	943	55319		64192	178	82189	110	97999	508	21999
ENIWETOK	0230	00828	80	026	26878	489	20729	032	11450	931	53744		64510	178	79193	093	54199	425	74199
	1400	00830	70	025	29786	489	19836	034	12123	932	53530		63308	198	77199	122	96199	519	72199
TARAWA	0200	00925	XX	024	25961	488	17829	027	09889	915	56049	480	16028						
	1400	00926	86	024	25884	488	17823	025	08988										
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu
USS SHANGRI-LA	0130	11914	20946	22856	17933	33779	14567	44650	06548	55630	04441	66026	04329	77562	01112	88520	82999	99475	80699	00423	63099	22326	75804	33126	17999		
	1525	11912	20065	22870	18048	33822	14467	44768	13899	55706	12673	66626	06220	77506	58317	88486	58827	99470	61417	11278	89999	62360	80999	33130	81888		
KWAJALEIN	0200	11960	23971	22750	13796	33560	00553	55380	69515	66342	74712	77322	77507	99260	90803	00125	88999										
	1400	11980	26886	22900	21256	33827	18829	44750	12806	55742	12085	66724	12787	77656	08229	88635	07556	99400	05223	00650	00199	11518	53218	22490	85768		
WAKE	0200	11905	17815	22868	13604	33625	00329	44605	03217	55442	66310	66410	70714	88351	73199	99114	25999										
	1420	11935	23753	22836	21726	33784	14810	44750	11696	55662	06199	66615	05199	77590	02322	88542	55190	99420	64199	11126	20099						
ENIWETOK	0230	14960	24870	33900	22269	61616	19603	79765	14924	84750	72782	18663	10224	36620	07199	56562	02217	88508	52748	48095	74199						
	1400	16960	26880	84750	15686	45600	06192	71545	00144	01483	55638	26075	59199														
TARAWA	0200	11970	22070	22750	12900	33650	00064																				
	1400	11960	24860	22750	11397	33594	00065	44558	52063																		
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) →			950	900	850	800	750	700	650	600	550	500	450	400	350
GCLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
2116	654	0645	2480	2082	1852	1577	1320	0900							
2127	740	0945	2300	2200	2093	1698	1200								
2100	750	1130	2498	2186	1878	1681	1473								
2060	740	1515	2464	2186	1865	1590	1400								
NAVY															
NO APOT															

UPPER AIR OBSERVATIONS

22 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud
USS SHANGRI-LA	0225	00626	84	023	26881	489	18835	030	11898	924	54845		55827	182	80606				
	1350	00629	76	021	28789	469	18828	024	09777	921	55738		56925						
KWAJALEIN	0300	00727	83	023	26883	487	17826	025	10777	916	56047		66027	172	80708	076	05999		
	1400	00630	75	020	29796	485	19724	024	01792	918	54761		64623	180	79607	094	00999	468	28999
WAKE	0218	01327	76	039	26772	502	17698	037	09199	921	59199		66199	141	84199				
	1405	01431	62	042	30675	508	16710	051	11199	944	55910		66199	179	79999	107	01999	498	18999
ENIWETOK	0225	00828	80	026	26883	489	16822	020	09334	914	56528		67308	162	81199	059	94199		
	1400	00730	73	021	29770	487	23756	036	15345	955	51199		60199	256	74199	147	97199		
TARAWA	0200	00227	80	017	29879	481	18698	017	08771	799	58939	460	68820						
MAJURO	0300	00827	87	023	26882	492	19713	030	10891	052	55969	590	65929						
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud	ddPPP	TTdud
USS SHANGRI-LA	0225	11810	15822	22778	18842	33628	07770	55212	00999																				
	1350	11948	22869	22916	20840	33892	20842	44698	09776	55660	08667	66508	54740	88384	68822	99316	78999												
KWAJALEIN	0300	11960	24867	22750	13789	33574	00962	55253	90704	66130	23999																		
	1400	11960	25869	22917	20844	33880	20732	44750	13798	55615	04872	77272	84504	88242	89199	99125	24999	00103	28999	11075	20999								
WAKE	0218	11954	22845	22744	10887	33725	10199	44559	52110	55519	57209	66462	64199	77445	64199	99204	05999												
	1405	11932	22862	22825	15566	33810	16351	44755	15122	55544	51199	66460	60211	77638	64208	88418	63199	00120	22999										
ENIWETOK	0225	14960	23971	83750	11892	92730	10868	06690	09118	44600	04199	80565	00212	06478	59210	37418	65516	00125	09199										
	1400	14960	28865	85750	17568	18665	13117	46600	08199	10125	67199																		
TARAWA	0200	11960	23974	22908	20717	33750	11677	44627	01962																				
MAJURO	0300	11907	22736	22778	13695	33657	07877	44564	00970																				
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
GLLL	LLL	TIME (LOCAL)	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd
ANY 2116	654	0830	2439	1999	1799	1699	1499	1199							
2127	741	0845	2432	2275	2157	1956	1681								
2085	765	1030	2585	2177	1926	1864	1671	1273							
2067	724	1200	2593	2461	2360	2060	1760								
ANY															
2045	528	1045	2486	2281	2173	1974	1477	1172							
2115	654	1315	2481	2275	1972	1679	1481								
2117	661	1330	2393	2178	1875	1588	1369								
2130	750	1745	2284	2067	1778	1746	1404								

UPPER AIR OBSERVATIONS 23 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		600 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn
USS SHANGRI-LA	0145	00528	86	021	27803	488	18632	023	10669	913	57044		88083	157	82604	053	04999		
KWAJALEIN	0300	00628	79	020	27866	486	17936	026	11781	921	54740		66684	176	80199				
	1400	00629	74	020	29794	486	18725	025	10892	920	54546		66628	183	77199	096	00999	474	29999
WAKE	1500	01231	61	036	28772	492	18694	035	10448										
ENIWETOK	0200	00727	84	022	26879	480	17817	018	07875	902	57212		77410	149	79199	078	58199		
	1408	00728	86	021	22841	479	14309	012	06879	896	56049		87822	150	78710	085	00199	440	52199
TARAWA	0200	00327	84	014	26888	477	17815	015	11678	903	56943								
	1400	01028	85	015	27890	480	17826	018	10559	909	56844	470	65825						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn	00PPP hh	TTDnn
USS SHANGRI-LA	0145	11936	21959	22930	22366	33826	18823	44670	09562	55506	57637	77576	70021	88160	16999														
KWAJALEIN	0300	11960	25671	22823	15030	33806	17850	44750	14703	55629	06656	66581	01754	77540	00645	99516	77606	00833	53999										
	1400	11960	26919	22750	13804	33437	61038	56354	71512	66328	72306	77254	67199	88105	29999														
WAKE	1500	11963	24763	22736	10667	33596	04224	44528	54316																				
ENIWETOK	0200	14960	21829	82750	11782	60560	53953	80518	55107	05472	60416	78350	74305	00125	75199														
	1408	13960	20832	83750	09885	19654	04761	62557	54948	40270	64008	86083	19199																
TARAWA	0200	11960	22970	22750	11782	33561	51747	44471	58041																				
	1400	11960	24873	22950	11680																								
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn
ABOVE 2118	655	0515	2493	2286	1985	1673	1478	1180							
2100	780	0945	2483	2171	1958	1955	1680								
NAVY															
NO	APOB														

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UPPER AIR OBSERVATIONS

24 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud
USS SHANGRI-LA	0120	00627	86	022	27896	469	15803	025	09335	906	58516								
	1540	00529	88	021	27800	467	15815	022	10666	730	56526		68514	156	82606	066	10999		
KWAJALEIN	0200	00627	64	019	28998	463	19999	022	09664	912	58633		65515	170	80999	077	02999		
WAKE	0213	01226	85	036	28879	498	16912	026	03069	898	63515			100	88704				
	1406	01229	73	036	27776	492	16720	039	06771	927	58619		67618	147	80999	069	02999	491	13999
ENIWETOK	0200	00827	84	023	28875	479	18835	025	09781	915	55107		65413	164	68927	054	52199		
	1406	00729	80	022	28792	465	16704	025	10344	921	52199		53199	175	79199	092	51199	402	71199
TARAWA	0300	00626	95	014	23078	476	16815	012	07874										
	1400	00928	83	012	27897	479	19836	019	10893	915	56834	470	65826						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud
USS SHANGRI-LA	0120	11844	14912	22826	18556	33784	14679	44719	10120	55662	06762	66560	58046	77474	61415	88436	68022	99422	68819	00810	69814	11586	73711	22260	05999		
	1540	11922	20841	22836	16812	33816	16812	44744	13675	55538	54636	66522	54739	77468	60312	99358	73509	00162	24999								
KWAJALEIN	0200	11960	24999	22668	18999	33642	20999	44793	17124	55750	14340	66725	11565	77602	01754	88550	52849	00378	69717	11338	74715	22252	69999	33114	87999		
WAKE	0213	11935	23745	22668	17825	33818	10097	44599	02848	55532	59416	66457	66822	77408	71018	88336	80506	99292	90703	00215	05919						
	1406	11604	03436	22540	53428	33454	60750	55337	76305	66155	09999	77151	12999														
ENIWETOK	0200	14960	24875	83750	12790	44600	028641	00325	28013	45264	66705	31110	78199														
	1406	14960	26887	83750	14664	31628	05745	86508	52112	66365	67309	08310	77710	45260	86503	58094	73199	58065	84199								
TARAWA	0300	11982	21060	22960	21558	33750	11779	44615	00064	55520	01544																
	1400	11960	24976	22750	13804	33528	01861	44559	81644																		
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			860	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd
NAVY 2116	654	0430	2486	2086	1787	1481	1373	0959							
2127	740	0930	2588	1978	1775	1668	1265	1110							
2100	780	0915	2367	2188	1981	1754	1479								
2060	740	1030	2584	2040	1896	1772	1390	1090							
NAVY															
NO APOL															

UPPER AIR OBSERVATIONS — 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		650 mb.		600 mb.		500 mb.		250 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0140	00426	09	093	24995	469	18936	033	09569	916	3[illegible]		97[illegible]	179	[illegible]	087	[illegible]		
	1345	00427	08	021	27886	464	19787	028	10470	921	30462		84786	187	76827				
KWAJALEIN																			
	1400	00428	04	080	28800	464	18830	024	09780										
WAKE	0200	01418	07	045	25884	503	15817	037	06764	914	61830		71413	145	97[illegible]	082	07298		
	1515	01425	07			495	16723	033	06454	908	30853		70811	036	03807	032	05099		
ENIWETOK	0232	00827	07	025	28883	485	18715	022	02775	915	57930		66199	148	80199	080	84199	409	78199
	1410	00830	01	084	23820	467	20615	035	11675	930	54198		62199	190	78007	097	99199	500	77199
TARAWA	0300	00925	02	018	29907	484	17933	016	00097	908	57[illegible]5								
	1400	03529	03	016	29811	434	19837	085	10088	918	55637	880	64618						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu
USS SHANGRI-LA	0140	11834	17932	22798	17706	33619	06866	44612	02756	55502	81643	66444	61834	88380	66024	99304	80807	00170	14999	11184	16999								
	1345	11898	20648	22790	17804	33650	06885	44634	66553	55598	02649	66548	61746	77640	61934														
KWAJALEIN																													
	1400	11980	24987	22230	22966	33750	66536	09444	55799	01536	66544	55652	10142																
WAKE	0200	11922	16940	22803	11010	33596	55534	55195	08999																				
	1515	11572	55637	22448	65619	44348	78506	55248	99999	66118	22999																		
ENIWETOK	0232	14360	22867	84750	13665	33650	04868	31630	04017	55575	101216	66519	55847	18452	62310	17115	80199	51095	78199										
	1410	14960	28696	84750	15710	67512	53108	01565	74305	35282	66404	92080	01199																
TARAWA	0300	11960	22970	22750	11007	33560	51065	44430	65618	55409	15825																		
	1400	11960	28669	22750	13804	33572	00751	44560	00535	55472	56210	66437	59209																
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			850	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
2116	666	0530	2492	2192	1891	1594	1300	1093							
2127	760	0900	2486	2178	1963	1545	1443	1163							
2100	760	1015	2496	2186	1896	1679	1642								
2073	760	1130	2081	2067	1863	1562	1296								
MATY															
2005	678	1045	2491	2191	1892	1585	1480	1180							
2095	651	1345	2491	2286	2072	1865	1562	1261							

UPPER AIR OBSERVATIONS

26 JUNE 1946

MANDATORY LEVELS

STATION	TIME (GCAT)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	VV	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0130	00627	89	023	27904	591	18669	027	10452	918	56948		66310	162	81999				
	1345	00628	88	020	28811	589	18630	030	10780	924	55738		65208	186	80999	085	00999		
KWAJALEIN	0600	00627	84	020	27893	586	20666	024	10567	917	54952		65515	176	81808	080	02999		
	1400	00629	81	026	29808	586	18634	025	10780	930	56849		65311	179	79508	068	01999		
WAKE	0200	01627	79	042	25756	505	13802	029	04755	906	60727		71307						
	1450	15929	66	042	28662	497	18604	718	08446	999	99999			999	81199	999	01199		
ENIWETOK																			
	1430	00928	93	025	28780	489	21745	036	12453	932	56215		63199	187	88199	090	50199	897	79199
TARAWA	0400	09627	86	015	26892	479	16924	015	08879	904	56214	480	67308						
	1500	09927	92	015	26895	093	12913	019	09XXX	912	55656	480	64311	175	79IXX	540	89IXX		
MAJURO	0500	00827	88	019	27800	485	18705	017	11667	890	55643	460	65811						
	1500	00929	80	018	27762	462	18721	020	11562	643	59420	460	69509						
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (GCAT)	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu
USS SHANGRI-LA	0130	11862	14017	22844	19363	33818	19355	44794	17473	55766	16356	66520	03757	77556	00854	88477	58939	99458	59635	11380	67309	22350	78307	33314	79708		
	1345	11750	14667	22666	08776	33676	05774	44618	05442	55484	56738	66464	58525	88350	69307	99320	76508	00252	88999	11178	06999						
KWAJALEIN	0200	11960	24870	22865	18728	33835	21251	44750	14459	55596	02969	66430	63930	88371	68207	99254	90804	00114	28999								
	1400	11960	26899	22750	13792	33671	09562	44556	00850	55452	56839	77256	87604	88195	02999												
WAKE	0200	11935	19835	22565	01656	33625	00853	44560	54625	55542	57838	77382	73610	88347	98405												
	1450	11895	20607	22520	16637	33764	13452	44570	51427	55512	56738	66355	72199	77184	06199	88130	14999										
ENIWETOK																											
	1430	14350	25877	76772	19242	64750	16349	07665	08551	26643	07144	45600	05199	64558	02111	80624	52302	96425	55109	65375	67208	95332	80708	97215	95199		
TARAWA	0400	11980	23971	22750	11895	33630	03434	44575	00638	55448	62724																
	1500	11760	24988	22750	12901	33430	62630																				
MAJURO	0200	11951	25985	22833	17686	33805	17704	44775	14966	55658	08561	86533	04761														
	1500	11910	22841	22459	53210	53440	63312																				
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	885	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	700 (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2115	654	0935	2585	2185	2247	2039	1656	1255							
2124	744	0830	2593	2187	1995	1693	1547	1259							
2100	760	1015	2588	2284	1993	1947	1745								
2060	740	1145	2695	2578	2177	1870	1766								
NAVY															
NO APOB															

UPPER AIR OBSERVATIONS

27 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	00	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0155	00628	89	024	26690	489	17829	023	08680	910	56737		65518						
	1420	00725	91	025	24976	490	18819	024	08875	911	57044		66026	166	79709	075	98999		
KWAJALEIN	0200	00727	87	023	27897	488	18830	026	08879	912	57523		68023	160	82008	056	00999		
WAKE	0240	01426	83	041	24879	492	13014	031	04757	900	63414		73199	106	86999				
	1400	01430	84	042	27665	502	17579	039	08443	924	58199		68199	150	82199	065	04999		
ENIWETOK	0240	00625	91	024	24093	488	17047	022	06088	912	57732		69512	153	81009	058	58199	410	80199
	1410	00928	80	026	25765	488	20724	034	11784	928	03548		67728	197	77608	110	47199		
TARAWA	0200	00926	88	017	26891	482	18590	020	90681	091	57732			163	801xx	065	03xxx		
	1400	09930	79	019	30706	487	20503	028	10232	927	54321			195	781xx	108	00xxx	467	26xxx
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu
USS SHANGRI-LA	0155	11650	04867	22630	03969	33594	50956	44537	53848	55420	64620	66406	64519	68334	75509														
	1420	11978	22857	23949	22649	33839	17817	44781	14563	55651	04076	77258	66990	66219	98999	99165	10999												
KWAJALEIN	0200	11960	24878	22750	11892	33514	56734	44440	63829	66260	90904	77156	18999																
WAKE	0240	11904	21964	22883	16028	33606	10098	44594	54526	55458	67308	77355	76999																
	1400	11943	21842	22835	04542	33593	00215	55169	12999	66139	16999																		
ENIWETOK	0204	14960	22966	83750	09098	24643	03076	43600	02969	64555	02871	75532	55947	27435	62209	92333	76014												
	1410	15960	24702	43668	21633	79763	15815	84750	14609	10710	12685	19560	06772	65553	50073	98490	34425	18456	67524	38425	60430	62255	80504	46170	68199				
TARAWA	0200	11960	21946	22970	15344	33750	12558	44678	06878	55570	02649	66560	52533	77320	76406														
	1400	11960	26886	22750	13339	33630	07250	44650	61534	55520	52320	66453	58316																
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2115	600	0515	2493	2284	1977	1776	1378	1062							
2127	740	0815	2363	2175	1874	1761	1446	1067							
2100	780	0945	2363	2175	1874	1761	1446	1067							
2060	740	1130	2491	2277	2060	1854	1497								
NAVY															
2000	650	0930	2395	2184	1680	1281									

UPPER AIR OBSERVATIONS

28 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	4VV	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0140	00627	83	025	26880	492	18714	001	11791	894	57045		84030	154	78013	069	99999		
	1420	00629	80	023	28899	492	20609	033	11676	931	54658		85999	197	80999	098	05999		
KWAJALEIN	0200	00926	87	026	25884	492	18609	031	09782	919	57941		87025	166	83807	059	05999		
	1500	00529	80	017	29806	485	19846	028	12460	929	54846		82520	196	79709	085	00999	457	30999
WAKE	0235	01327	79	038	26770	492	12784	036	04435	910	60199		70199	124	84199				
	1400	01230	82	036	29682	499	17585	039	08558	927	56199		85199	163	82199	085	02999	484	19999
ENIWETOK	0245	00827	83	025	25954	480	17705	034	13691	930	51970		80046	214	69617	122	88199		
	1410	00929	80	026	27780	489	19836	095	18621	931	54621		83518	229	82706	150	53190		
TARAWA	0300	00927	83	020	27891	485	16815	016	07547	903	56317	470	66XXX	154	82XXX	052	03XXX		
	1400	00931	67	019	30666	477	18590	017	11233	913	54213	460	65XXX			076	00XXX	463	28XXX
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu
USS SHANGRI-LA	0140	11808	19720	22586	01956	33568	01966	44440	61832	55417	62832	77172	17999														
	1420	11848	20606	22822	20587	33774	15351	44630	07552	55418	63519	77112	30999														
KWAJALEIN	1500	11960	22965	22750	12789	33443	63022	55377	70021	66260	90703	77145	20999														
	1500	11960	26894	22750	14704	33650	08672	44556	02115	66374	66309	77320	75305	88252	88503	99094	31999	00086	11999								
WAKE	0235	11750	06763	22622	51215	44262	92199	55241	95199																		
	1400	11939	23738	22806	15560	33575	00111	44533	54320	55520	54110	66433	61199	88104	20999	99084	14999										
ENIWETOK	0245	14960	25642	84750	16698	45600	05676	71545	00072	82515	00074	01323	70617	75260	85504	00130	75199										
	1410	15960	26773	78770	15811	85750	14704	96718	146814	24648	08667	64558	01322	82552	82749	21435	60735	57368	65415	70368	69512	88342	76204	10315	80368		
TARAWA	0300	11960	22072	22750	10667	33650	03324	44540	05631	55541	62312																
	1400	11960	26776	22750	13487	33570	02217	44535	51532	55455	50611																
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
8LLL	LLL	VIS (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDc	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
AMEY 2116	654	0215	2490	2093	1795	1676	1360	1169							
2130	740	0815	2287	1959	1869	1650	1540	1132							
2100	780	0930	2379	2283	1978	1774	1468								
2060	740	1100	2491	2177	2068	1835	1432								
NAVY															
7001	691	0945	2487	2244	1947	1724	1440	1118							
2063	644	1245	2485	2177	1945	1682									

UPPER AIR OBSERVATIONS — JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0200	00727	81	027	26878	490	18484	029	10455	920	56429		65310	176	81099				
	1507	00829	78	023	29797	493	20810	034	11565	929	55530		65415	187	80999	088	04998	454	29999
KWAJALEIN	0200	00927	83	028	26885	493	18830	033	11449	924	56317		65310	176	80199	081	02599		
	1400	00829	76	025	28786	492	18712	030	09539	923	55656		65415	182	81099	089	01999		
WAKE	0240	01226	75	037	25752	489	13676	024	04431	898	60210		71407	138	86199	020	06198		
	1400	01231	68	036	29661	499	16581	034	08199	919	57199		66199	148	82199	066	05999		
ENIWETOK	0250	00827	91	026	25008	482	19954	014	10893	920	55950		60723	968	85605	195	86199		
	1603	00929	75	028	26601	489	19728	036	10889	930	54846		63210	180	79811	110	98199	885	78199
TARAWA	0200	00927	82	022	26681	485	18819	012	09444	913	56527	480	67xxx						
MAJURO																			
	1500	00829	78	021	27764	490	18937	927	11786	930	56423	480	64312						
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	aaPPP	TTDuu	aaPPP bbhhh	TTDuu	aaPPP	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu	aaPPP bbhhh	TTDuu
USS SHANGRI-LA	0200	11930	21841	22826	18241	33760	14123	44740	13540	55690	10655	66566	00325	77504	56625	88474	61519	99446	80419	11360	66310	22338	75506	33856	60999		
	1507	11944	24878	22806	19489	33712	12573	44632	05441	55687	02755	66512	54422	77450	60523	99386	66999	00122	29999	11100	29999						
KWAJALEIN	0200	11960	24870	22782	16549	33750	14461	44656	07773	55589	00864	66559	00324	77468	59823	99240	99199	00136	20999								
	1400	11960	24875	22750	13454	33787	16353	44722	10554	55548	06546	66534	06226	77606	04657	88572	01324	99440	80424	11396	66414	22128	84999				
WAKE	0240	11438	65309	33378	74406																						
	1400	11957	23742	22782	10229	44145	18999	56122	21992																		
ENIWETOK	0250	14960	20063	84750	13608	42600	04847	12463	59043	57255	92603	40170	65192														
	1603	14960	24649	72785	16516	85750	13710	95720	11892	34625	00870	56525	02215	99490	55952												
TARAWA	0200	11960	24872	22899	18849	33750	13672	44561	52215	66440	64310																
MAJURO																											
	1500	11900	21735	22828	16852	33552	01844	44439	60417																		
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
ARMY 2116	654	0615	2587	2276	1948	1743	1552	1166							
2150	750	0830					1737	1352	0953	0718	0110	5422	5710	6110	
2110	762	1030	2685	2370	2161	1861	1651	1267	0931	0551	0019	5249	5416	6010	
NAVY															
2040	642	1215	2486	2178	1865	1561	1345								
2017	692	1530	2489	2274	1969	1745	1442								

UPPER AIR OBSERVATIONS

30 JUNE 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0145	00828	80	088	27882	496	18707	030	09664	918	58525		66206	159	83999	047	06999		
	1350	00729	78	027	28897	496	19954	034	12797	935	54319		63999	204	77999	120	99999	502	26899
KWAJALEIN	0200	00927	81	028	26874	492	18347	030	10671	922	57627		65207	174	82199	089	04999	419	26999
	1600	01026	87	029	25994	485	18036	033	10991	928	56049		65823	186	79199	096	01999		
WAKE	0305	012206	75	037	24753	492	15700	028	08326	907	60199			124	84199	032	06199		
	1400	01231	82	036	30677	502	16689	037	09199	926	56199		67199	156	81199	078	02999		
ENIWETOK	0228	00927	83	027	27764	489	19611	033	12454	928	56631		63199	179	79199	090	51199		
	1417	00930	73	025	29703	489	22508	036	14467	936	54521		61314	222	75199	144	98199	510	70199
TARAWA																			
	1100	00929	79	019	29804	486	19722	025	10667	914	57734	480	66619						
MAJURO	0300	00826	87	025	26908	495	17937	028	09984	909	56974	500	65411						
	1500	00826	88	017	26769	485	19830	030	11675	929	53958								
BIRD DOG 3	1900	01226	87	034	25999	495	20999	036	12999	936	51999		60999						
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu
USS SHANGRI-LA	0145	11930	21850	22768	14672	33654	05758	44526	06419	55456	63827	66450	62620	66318	79999	99254	93999	00176	13999								
	1350	11886	19049	22878	20958	33630	18547	44812	16936	55790	17831	66734	13804	77675	11693	88530	01329	99510	04321	00474	86216	22578	85099	33110	26999		
KWAJALEIN	0200	11960	25660	22930	21981	33900	21474	44744	14144	55750	13346	66725	11675	77616	04757	88800	03328	99570	00639	00528	85	11446	62106	18408	66411		
	1600	11980	23930	22750	13810	33840	18030	44830	17039	66380	67412	77328	74306	88256	87199	99120	26999	00109	26999								
WAKE	0305	11745	09441	22671	05222	33549	75199	44252	94199																		
	1400	11918	20652	22720	10282	33648	07199	55186	05999																		
ENIWETOK	0228	14980	24755	24720	24668	64750	15358	92728	15343	37618	04847	56575	00325	83520	52746	16458	86106	28184	53199								
	1417	14960	27811	76773	18358	64750	17610	10708	15348	06693	13580	33622	06551	45600	06330	61565	03644	80606	53630	87495	86108	06480	53199	36489	87109		
TARAWA																											
	1100	11960	24874	22750	12786																						
MAJURO	0300	11810	15923	22430	66123																						
	1500	11966	25869	22840	20630																						
BIRD DOG 3	1900	55634	20999	77770	15999	14462	84999	27458	56999	34428	57999	66377	65999	06520	76999												
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	VIS (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2030	750	1315	2681	2589	1800	1590	1597	1271							
2063	795	1515	2562	2274	1978	1778	1560	1263							
2060	750	1445	2666	2286	1981	1635	1636	1329							
NAVY															
2150	630	0800	2286	2166	2034	1845	1365								
2069	583	1100	2360	2077	1939	1824	1616								
2006	686	0945	2384	2076	1867	1654	1561	1073							
2063	644	1145	XXXX	2180	1862	1569	1364								

UPPER AIR OBSERVATIONS

1 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd
USS SHANGRI-LA	1080	00988	80	035	28800	497	21845	045	12476	941	06999		62999						
KWAJALEIN	1400	00689	76	025	28798	492	20807	036	11454	925	06909		64980	188	80189	093	00999	486	24992
WAKE	0845	01884	85	036	28965	499	20794	030	06824	892	06199		66199	121	80504	093	06199	405	19992
	1400	01230	85	038	29672	505	17606	043	09225	925	06XXX			180	80506	086	06XXX		
ENIWETOK	0800	01027	85	027	26992	498	20617	035	12456	850	06199		64199	170	82199	080	06199	430	20199
	0700	01028	76		27880								64199						
TARAWA	1015	00730	75	018	29795	489	22742	038	09775	825	06314		66199	180	*9198	086	02199	462	26199
MAJURO	0300	00927	85	026	29941	496	23878	050	16580	868	02548		69425						
BIRD DOG 3	1400	01282	78	054	28788	495	21614	045	14549	846	04429		62312	218	76199	140	07999	505	21999
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd	PPTTT	TTDdd
USS SHANGRI-LA	1020	11872	21855	22850	21845	33720	14683	44600	04656	55449	60999	66428	60999	68384	64999	99330	[illegible]99										
KWAJALEIN	1400	11960	25368	22427	22863	33882	20847	44816	19362	55750	14456	66661	08227	77592	05756	88528	25035	99455	40418	11313	78504	22821	00199	33160	17990		
WAKE	0845	11232	07656	22649	02217	33580	33199	44426	66199	66246	90703	77248	94199	88148	19999	99150	32999	00092	19999								
	1400	11950	25755	22518	06XXX	33482	07XXX	44435	72809	50345	74814	66140	19XXX	77103	16XXX												
ENIWETOK	0800	14960	25002	25925	22879	05750	16359	92730	14543	34625	05872	50990	02330	66555	00642	84516	54212	54280	66199	21320	76199	44097	00199				
	0700	11950	25878	22841	19504	33825	19609	44750	16355	55725	14236	66695	11343	77666	09355	88630	06607	99589	02323	00575	01639	11886	01450	22359	24987		
TARAWA	1015	14980	25876	25922	21956	42870	15812	84750	14793	05477	60852	53443	11513	70145	18199	67064	08199										
MAJURO	0300	11665	12526	22630	30673	53606	08336	44590	07665	55445	63216																
BIRD DOG 3	1400	29916	24754	52842	20512	59824	18721	00708	14348	05525	13080	08074	03764	98492	24319	62364	63512	11315	73907	30284	79199	22180	01999	07187	18999		
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
GLLE	LLL	KIRA (LOCAL)	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd	TTDdd
2116	654	0445	2491	2093	1800	1877	1577	1563	0965	0559					
2118	656	0515	2899	6021											1432
2115	674	0715	2589	2280	2058	1862	1574	1359	1060	0651	0132	5343	5721	6333	6610
2150	750	0900	2565	2365	2068	2039	1640								
2150	670	0930	2681	2377	2063	1756	1546								
2150	640	0700	2378	2161	1865	1658	1366								
2049	634	0645	2478	2082	1955	1586	1300	9999							
2056	649	0700	2586	2084	1890	1586	1284	0978							
7009	696	0945	2589	2176	1884	1691	1373	0978							
2040	765	0818	2590	1900	1879	1681	1466	1061							

UPPER AIR OBSERVATIONS — JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud
USS SHANGRI-LA	0310	00887	80	030	27800	497	17886	053	09673	902	57840		47718	170	31405	863	03999		
	1415	00889	75	089	29795	496	20727	059	11565	954	55483								
KWAJALEIN	0500	01127	80	034	26895	497	17950	055	09846	921	57044		67928	168	32908	068	08999		
	1500	00929	74	028	29789	495	19724	054	10778	926	55320		65721	181	30199	085	02999	458	06999
WAKE	0500	01026	79	037	25869	505	16709	053	06221	112	59417		69012	125	35604	089	07XXX		
	1400	01130	64	056	28673	502	18588	057	09563	985	57733		64412	190	31XXX	065	08XXX	448	15XXX
ENIWETOK	0200	01087	88	089	26720	487	18947	019	03751	872	48714	450	47599	109	28599	968	16999		
	1500	01029	77	050	29810	493	18399	055	09447	920	57422	490	66316						
TARAWA	0255	00827	85	024	26882	488	18937	027	09777	915	58212		67514	167	31199	069	08199		
	1505	00831	73	025	30799	492	18820	028	10672	918	56199		66199	176	29199				
MAJURO	0500	00927	80	024	28812	486	20601	056	09958	913	57418	470	67412						
BIRD DOG 3	1500	01228	87	054	27805	492	21743	046	12567	942	56422		67513	182	33999	085	01999		
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud	99PPP	TTdud
USS SHANGRI-LA	0310	11854	16820	82767	18772	35678	08772	44624	05865	55572	51533	66522	55842	77516	55844	88286	59856	99851	29732								
	1415	11970	26876	82920	25647	33814	17717	44810	18721	55784	25702	66772	17698	77688	10565	88650	09851	99478	39550	00452	60999						
KWAJALEIN	0300	11960	25979	82888	18944	33750	12792	44600	00063	66255	90904	77150	10999														
	1500	11960	26771	82750	13792	33634	06661	44596	03330	55434	62829	77549	73713	88315	77406	99857	89199	00094	26999								
WAKE	0200	11940	20856	82721	03329	33678	05XXX	44615	51317	55993	51515	66562	54XXX	77592	57412	88372	74407	99148	90XXX	00187	20XXX	11105	18XXX				
	1400	11962	24753	82610	08215	33565	52212	44378	71612	55335	76406	66135	20XXX	77085	14XXX												
ENIWETOK	0200	11960	22081	82750	98771	33633	54733	44770	61413	55463	72505	66342	85599	77467	01014												
	1500	11960	26908	82750	13451	33720	10665	44699	09441	55665	06652	66985	00895	77435	92506												
TARAWA	0255	11960	24873	00708	84750	12894	00914	26456	62209	04318	77405	94130	80199														
	1505	11960	26777	01907	84750	13788	00816	49589	08217	30284	82199																
MAJURO	0300	11988	28815	82942	23869	33780	16978	44355	53318	55455	61726																
BIRD DOG 3	1500	29918	23985	65807	20613	31734	16346	16672	09776	86516	54319	10470	29625	[illegible]07	67512	27390	68314	14306	83404	33682	87995	69280	98995	81170	15999		
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
GLLL	LLL	TIME (LOCAL)	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud	TTdud
2150	720	0945	8587	8173	1972	1851	1438								
2070	760	1200	8585	8200	8200	1600	1100								
[illegible]															
2012	680	1015	8489	8274	1971	1770	1462								
2014	785	1215	8598	8806	1981	1775	1454								

UPPER AIR OBSERVATIONS

5 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0534	00887	85	087	26885	142	19610	050	09672	918	58897		68880	168	89008	954	06999		
	1350	00888	86	030	27696	492	19841	057	11780	933	57247		66781	193	79999	305	08999		
KWAJALEIN	0800	00927	86	068	26886	496	20615	057	10667	925	56839		67985	175	88505	975	01999		
	1400	00887	82	092	27885	498	19845	032	10888	926	57840		65600	186	79881	095	01999	478	27969
WAKE	0300	01567	50	050	26883	506	13698	059	07870	922	55806		67512						
	1400	01390	78	036	29784	509	17714	XXX	09777	832	56424		67309	164	81111	098	08XXX	476	18XXX
ENIWETOK	0500	00826	84	030	26882	498	15918	025	08770	910	55523	460	70817	180	84599	025	08999		
	1400	01030	75	050	26796	489	18828	036	11456	934	54536	500	68413	180	76407	160	88599	515	19999
TARAWA																			
	1400	00830	74	084	29784	489	16925	020	06656	907	56927		66199	136	82199	062	02199	446	85199
MAJURO																			
	1400	00830	80	069	27775	521	20736	053	08878	939	56840	490	66513						
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTDuu	00hhPPP	TTDuu	00PPP hh	TTDuu	00hhPPP	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00hhPPP	TTDuu	00hhPPP	TTDuu	00PPP	TTDuu	00hhPPP	TTDuu	00PPP hh	TTDuu	00hhPPP	TTDuu
USS SHANGRI-LA	0534	11967-	25953	22906	22622	33777	17582	44550	54842	55464	62052	66424	69926	88198	06999	99172	16999	00153	20999								
	1350	11900	70839	22850	20844	33810	17934	44718	53684	55678	11569	66484	57628	77452	60921	88420	62686	00920	73306	11126	28999	02118	24999				
KWAJALEIN	0800	11960	24868	22768	13750	33750	18464	44574	51956	66257	90703	77170	11999														
	1400	11960	24869	22750	13813	33573	01431	44493	56841	55469	56634	66435	60522	88282	82908	99253	87705	00108	28999	11050	09995						
WAKE	0300	11732	09802	22342	76609																						
	1400	11950	24868	22913	27581	33755	00113	44430	62210	55169	16XXX	66124	21XXX														
ENIWETOK	0500	11960	24878	22790	12570	33750	10671	44750	09772	55555	54842	66539	56314	46063	020830	77515	82504										
	1400	11960	26888	22795	14678	33750	13463	44658	09556	55560	01433	66465	58733	77225	87503												
TARAWA																											
	1400	11960	25867	02607	33904	18032	49750	09769	01009	07870	59313	68088	27199	87080	20199												
MAJURO																											
	1400	11782	35691	22750	14684	33670	06874	44622	04761	55418	67617																
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

No Army AFCR for 3-4-5-6-47

PRESSURE (mb) ⟶			860	806	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD

UPPER AIR OBSERVATIONS 4 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0235	00627	85	029	27687	486	17042	033	10663	924	56631		66413	176	82505	075	04999		
	1650	00629	76	024	28787	498	18606	026	09776	914	57523		60412	177	78999	088	03999		
KWAJALEIN																			
WAKE	0200	01127	80	036	26885	499	16712	036	09554	926	58525		68309	153	81XXX	076	05XXX		
	1400	02130	68	037	28280	502	20484	044	11230	939	55528		66916						
ENIWETOK	0300	00928	83	028	26877	436	18600	029	09664	966	57631	430	67015	164	71999	001	06199	403	26199
	1400	01028	85	028	28504	489	21855	035	12341	945	52851	510	61626	123	75509	140	97199	560	21199
TARAWA	0328	00825	91	024	24981	486	17931	027	10777	916	57047		67821	168	81709	070	05199		
	1601	00728	83	022	27892	489	19717	029	09891	922	54845		65724	182	79199	090	01199	472	19199
MAJURO																			
BIRD DOG 3	1946	01128	84	031	27898	499	21570	043	12199	942	53199		63199	202	80199	107	02999	472	28999
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu
USS SHANGRI-LA	0235	11934	21958	22866	19057	33835	16033	44812	16932	55642	06436	66557	52746	88332	78607	99282	84999	00180	10999								
	1650	11938	22962	22812	17584	33782	15798	44758	14456	55720	11781	66580	50927	77522	54319	88484	88686	99478	88585	21348	65509	22188	28999				
KWAJALEIN																											
WAKE	0200	11900	19720	22818	15707	33760	13455	44572	00320	55258	63604	66118	24XXX														
	1400	11910	20839	22820	20352	33765	16472	44649	07558	55606	03431	66555	52536	77208	54531	88470	88622	99425	61811								
ENIWETOK	0300	11960	22756	22750	13573	33642	04756	44557	00428																		
	1400	11960	24631	22750	15933	33570	04761	44440	56421																		
TARAWA	0328	14960	22074	33900	21960	69790	15032	84750	12803	54576	51809	38415	65089	62378	69012	93351	76812	90168	13199								
	1601	14980	25759	65750	15800	84348	71308	51098	26199																		
MAJURO																											
BIRD DOG 3	1946	16956	24092	32906	22849	44869	20867	5283	22362	88740	14466	01706	12230	64582	05199	00486	84199	27440	57199	86548	78199	58255	88199	33178	38999		
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
ALLL	LLL	VIBE (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu

UPPER AIR OBSERVATIONS 9 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD
USS SHANGRI-LA	0222	0666	88	081	27889	459	18605	984	09561	915	56488		67999	267	81998	062	08599		
	1415	00729	75	088	28785	494	18716	089	10473	924	59999		69909	186	78405	865	99899		
KWAJALEIN																			
WAKE	0800	01287	85	099	29885	508	19014	095	09826	920	58418		19512	130	85706	092	09XXX	518	25XXX
	1400	01250	70	054	29784	521	20728	843	13229	948	54212	-	-	185	78507	813	98215		
ENIWETOK	0300	00927	79	087	24867	489	18341	023	10447	918	57607	500	[illegible]						
	1400	00929	68	027	28773	485	19246	092	12789	935	55199	500	62199	172	78608	111	96199	509	26199
TARAWA	0514	00826	84	084	26885	488	17992	025	08884	913	57941		68025	162	81905	068	04199		
	1516	00827	87	084	26891	489	18824	027	08885	917	55842		66824	174	80506	078	08199	491	25899
MAJURO	0200	00826	91	027	26900	492	19722	023	11785	919	55486	480	66599						
BIRD DOG 3	1500	01428	70	999	27999	080	16705	059	09110	844	51999								
BIRD DOG 4	1500	01229	70	042	25758	490	18568	020	08554	857	56985	460	69207						

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD	99PPP	TTDDD
USS SHANGRI-LA	0222	11944	21[illegible]	22852	18588	33840	18693	44764	12789	55678	08550	66669	08337	72518	56422	88484	56401	00874	09999	11148	19999						
	1415	11944	23865	22884	21726	33804	16703	44600	04115	55450	58212	77368	68999	88340	72306	99106	27999	00108	86999								
KWAJALEIN																											
WAKE	0200	11822	12015	22805	24567	33665	06547	44625	03220																		
	1400	11952	24178	22735	13556	33640	04835	44438	58922	55408	64312	66375	66310	77525	73567	88280	82405	99150	11125								
ENIWETOK	0300	11960	29517	22550	53213																						
	1400	11960	25765	27750	15706	33664	09889	44620	08227	55310	51310																
TARAWA	0514	14960	25970	84750	11091	24646	05977	66552	53053	48262	88605	58173	62199														
	1516	14960	24985	84750	12895	62560	58954	74535	52746	70567	69921	83295	81506	52097	50199	78084	92199										
MAJURO	0800	11770	18795	22757	14686	33680	10785	44667	10770	55553	00431	66488	56215	77460	98099												
BIRD DOG 3	1508	11758	14838	22664	06446	33440	62999																				
BIRD DOG 4	1500	11960	19780	22885	15564	33758	10560	44738	10558	55615	03658	66546	55551	77455	64413												

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	VIRL ((VCAL))	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
MAPP															
7008	666	1000	8489	8180	1880	1578	1275	0985							
7043	643	1215	8383	8000	1768	1581	1281	0882							

UPPER AIR OBSERVATIONS

6 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0840	00687	84	085	27886	485	19718	052	10669	919	57609		66509	167	82999	050	06999		
	1330	00689	77	083	28758	489	18832	050	10783	902	56755		65999	173	82999	071	05999		
KWAJALEIN	1400	00739	76	085	30709	495	21736	056	11789	950	55757		69517	186	80607	096	08999		
WAKE	0200	01287	84	056	26890	508	17708	056	10025	863	58402								
	1400	01559	66	040	29675	535	17713	051	12232	987	55731		67697	186	80506	815	00777	515	16777
ENIWETOK	0300	00988	87	085	26895	489	19621	026	09778	901	58199	490	06309	177	80199				
	1509	00731	69	088	30195	498	18726	087	09670	920	56328		63330	126	80159	079	08199	449	99199
TARAWA																			
MAJURO																			
BIRD DOG 3	1500	01308	76	097	26766	495	16689	032	09954	917	57159		67199	161	84999	051	04999	407	26999
BIRD DOG 4	1500	10830	99	087	28667	476	17697	024	09560	913	55316	470	65413						

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu	ddPPP	TTDuu
USS SHANGRI-LA	0840	11760	18685	22742	18685	33590	00856	44450	62313	66504	81506	77178	10999	88160	17999												
	1330	11970	26890	22926	21895	33762	15812	44606	03650	55562	51748	66457	60625	77442	61313	9015	17908										
KWAJALEIN	1400	11960	27781	22750	18709	44380	68508	56527	88604	66119	24999																
WAKE	0200	11975	21852	22868	20569	33785	13801	44372	71508	55349	76813	66860	90603	77199	04777												
	1400	11802	15236	22781	15256	33662	09229	44600	04181	55950	51777	66525	51218	77490	56101	88478	68805	00018	77508	00038	80506	11140	16777	99118	20777		
ENIWETOK	0300	11960	24989	22750	18453	33630	06228	44584	03650	55554	00215	66850	60210	97426	13413												
	1509	11960	26774	88750	12560	18852	60624	89135	21199	60095	08199	04077	18199														
TARAWA																											
MAJURO																											
BIRD DOG 3	1500	12968	20888	47860	16795	63810	16857	53754	12228	98714	08662	23985	06219	44600	00216	58668	00215	04477	99199	50430	68199	23296	86999	17188	07999		
BIRD DOG 4	1500	11972	22615	22754	12677	33718	54119	44512	54214	55482	56519	66450	61625	77432	60522												

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	hhh	TIME (LOCAL)	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu

UPPER AIR OBSERVATIONS — 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		250 mb.		150 mb.	
		PPPTT	DD	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0420	00608	86	085	27807	489	18718	926	10782	946	56316		67310	165	82999	636	07999		
	1345	00508	78	080	27778	486	18718	926	11677	921	56206		67310	180	81999	996	00999		
KWAJALEIN																			
	1400	00630	76	080	29791	486	18712	928	10786	917	56227		67311	176	80505	085	00999		
WAKE	0800	01126	78	096	26983	592	19563	060	11360	935	55424		68024	161	82707	078	04XXX	450	52XXX
	1800	01350	66	038	29675	508	17605	085	10885	962	54320		65315	180	79XXX	108	08XXX	847	18XXX
ENIWETOK	0830	01027	85	006	22861	480	15797	020	08552	906	58108					980	08199		
	1600	99999	99	019	28667	489	19732	087	11560	923	58128	660	65199	185	79399	100	01199		
TARAWA	0320	00727	82	002	26885	484	17581	020	09556	908	56525		6758	157	82505	053	05199		
	1536	00630	76	019	29794	465	17714	024	10676	919	51857		65722	178	80506	085	01199		
MAJURO																			
BIRD DOG 3	1510	01128	76	032	27774	490	17575	050	06219	906	61199		70199	136	86999	016	07999	367	24999
BIRD DOG 4	1500	10828	76	005	26682	482	14791	014	07657	903	57525	660	69206						

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu	PPPP kk	TTDuu
USS SHANGRI-LA	0420	11928	21068	22900	21838	33752	13686	44578	52850	55850	61313	66336	64335	88162	19999										
	1345	11938	22829	22728	13687	33622	04624	44758	00430	55480	561\	77330	75999	88268	88999	99158	18999	00108	26999					
KWAJALEIN																									
	1400	11\	25817	22750	13794	33728	00753	44556	01425	55516	53519	66190	55521	88248	90605	99128	22999	00109	27999						
WAKE	0800	11975	23873	22682	19718	33563	08446	64545	00917	55383	72020	66250	90703	77125	21XXX	88095	22XXX								
	1800	11765	14814	22615	06225	33499	54320	64460	62623	55320	76603	66173	00122	77123	20XXX										
ENIWETOK	0200	11960	20681	22818	15460	33750	10778	44726	08446	55676	06115	66656	05757	77580	52783	88952	54110	99136	55083	09460	61313				
	1600	11950	23871	22750	15688	33596	04221																		
TARAWA	0320	11960	24975	33882	18624	70788	14685	83750	12448	48591	00752	76358	73019	63150	19199										
	1536	11960	25872	83750	13679	29087	82505	99129	21199																
MAJURO																									
BIRD DOG 3	1510	26819	22837	67738	14234	83754	11667	01706	07218	23650	00230	65598	51699	62560	55215	95492	62149	29176	14999	75180	82999	84108	84999	80080	19999
BIRD DOG 4	1500	11954	20838	22920	20832	33787	09663	44678	07627	55670	60418														

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			860	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
8477 21773	585	1015	8680	2170	1890	1570	2340	0960							
8126	638	1345	8580	2070	1770	1610	1510	1210							
8108	663	1515	8680	2080	1880	1580	1370	1050							

UPPER AIR OBSERVATIONS — 8 JULY — 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0210	00687	85	085	27854	489	16927	023	09996	908	39956		69289	143	89999	080	08999	562	50999
KWAJALEIN	0200	00887	88	025	26890	486	16812	023	07768	908	39729								
	1400	00729	76	023	29792	492	20839	053	11568	929	54657		64311	191	78199	098	08999		
WAKE	0200	01227	80	055	26886	499	17825	036	09777	908	56111		64111						
	1400	01350	73	049	23884	984	10558	969	04199					932	80199	955	99999	577	18999
ENIWETOK	0300	99999	99	022	26887	482	19454	022	09670	999	99999	879	66720	999	79688	807	04199		
	1400	00929	80	023	27785	478	20832	105	11673	928	XXX28	500	65827	165	77699	110	08199		
TARAWA	0320	00726	87	020	26889	482	15029	016	08779	906	58927			156	82808	055	05199		
	1510	00727	82	022	26878	484	16824	022	09883	913	56756		66720	166	81607	076	0119		
MAJURO																			
BIRD DOG 3	1450	01126	69	052	28771	492	16034	042	13700	958	54199		64198	197	80999	101	05999	486	24999
BIRD DOG 4	1500	00931	70	027	30790	495	19698	053	12999	929	55999	490	66105						

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu
USS SHANGRI-LA	0210	11888	28958	22710	10998	33576	92428	44540	55943	66930	80505	77120	32999														
KWAJALEIN	0200	11960	23868	22750	10783	33612	02538	44530	55926	55868	60931																
	1400	11960	26777	22750	14701	33560	00754	44482	56422	55422	60728	77116	26999														
WAKE	0200	11907	19951	22781	13576	33640	05660	44606	04218	55459	62111	66122	79111														
	1400	11917	21853	22821	15805	33730	10556	44695	09226	55660	08334	66623	07224	77859	59199	88525	60515	99409	63413	11565	69209	22822	88199	33110	20999		
ENIWETOK	0300	11960	24977	22750	12802	33456	62830																				
	1400	11750	15673																								
TARAWA	0320	11960	23972	83750	11677	25437	63724	48261	89804	78140	20199	97127	21199														
	1510	11960	23865	83750	12790	54217	88604	27110	25199																		
MAJURO																											
BIRD DOG 3	1450	22846	16052	85750	17718	09687	12793	38617	08653	74538	51219	40418	60199	12520	78199	53258	88199	55162	13999	56150	15999	64098	26999				
BIRD DOG 4	1500	11958	26760	22557	01445	33436	62999																				

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
GILL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY															
2116	655	0715	2595	2193	1800	1694	1300	1096							
2123	746	1040	2585	2167	1944	1840	1461	1134							
2110	780	1145	2485	2087	1873	1755	1556								
2070	740	1415	2592	2176	1882	1587	1471								
NAVY															
2105	599	1215	2480	2270	2070	1870	1560								
2122	599	1245	2490	2280	1980	1680	1370								

UPPER AIR OBSERVATIONS • JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	1400	00827	84	087	27897	504	18815	032	10659	926	56526		66XXX	176	80XXX	085	00XXX		
	0800	00787	84	083	27892	487	18830	086	10666	915	57948		67085						
KWAJALEIN	1400	00729	80	023	28896	492	20836	033	10781	926	55738		64619	186	80199	098	08999		
	0824	01527	76	059	25777	508	17698	058	09229	926	57218		68411	183	82199	069	04999		
WAKE	1400	01529	70	059	28777	408	20895	042	12458	968	53637			247	29999	176	98999		
	0400	79999	99	026	27772	489	19611	101	11353	925	55316	570	65199	180	80199	073	08518		
ENIWETOK	1400	09929	76	022	28822	482	19710	029	10783	923	54451	249	64311	179	78199	012	96999		
	0308	00727	82	022	26884	486	18856	025	09996	920	55845		64208	181	80607	081	02199		
TARAWA	1511	00722	77	022	28790	488	18718	026	09553	921	56632		65199	180	80199	096	08199	451	25199
	0200			030	25992	482	17816	003	12776	906	58728	460	65310						
MAJURO																			
BIRD DOG 3	1500	01127	86	032	27801	498	18936	034	10010	919	58622		66310	174	78199	101	02929		
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	00PPP	TTDuu	00PPP 00hh	TTDuu	00PPP	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu	00PPP 00hh	TTDuu
USS SHANGRI-LA	1400	11755	13898	22638	06549	33608	03653	44312	62517																				
KWAJALEIN	0200	11960	24875	22896	20946	33750	13686	55362	71918																				
	1400	11960	25880	22750	13798	33584	02756	44555	00640	55428	61520	77337	75408	88122	26999														
WAKE	0224	11932	21960	22781	12800	33720	10228	44452	61312	66380	69409	77190	07999																
	1400	11906	25508	22784	16581	33602	06335	44494	54637	55410	62415	11353	69307	22328	73199	33263	86199	44206	97999	55176	00999	66146	18998	77136	14998				
ENIWETOK	0400	11960	25761	22750	14345	33640	05224																						
	1400	11960	24875	22800	16704	33730	15690																						
TARAWA	0308	14960	24878	84750	12808	67551	01063	14		59042	98329	76505	49263	89704	08122	24199													
	1511	14960	25718	84750	12681	18663	08774	42	04	59563	00431	11465	58316	86138	80199	39106	24199	46090	21199										
MAJURO	0200	11820	16706	22435	53622																								
BIRD DOG 3	1500	32906	20059	56852	17830	72785	13906	76		88740	11007	07890	10006	14674	08000	68648	55524	87490	89519	21448	61416	05315	76406	21260	87199				
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

MD APOB (Army 9th) MD APOB (Navy 9th)

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD

UPPER AIR OBSERVATIONS

10 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0800			087	24804	498	16615	025	30556	918	54521		64806	178	81XXX				
	1400	00789	93	081	29783	499	18712	051	11588	924	55315		66816	178	80XXX	077	05XXX		
KWAJALEIN	0800	00827	85	085	28891	488	17828	085	09559	915	57857		67718	186	81808	068	04999		
	1400	00729	93	083	28784	486	17700	084	09774	914	54632		65781	170	80707	076	01999		
WAKE	0800	01827	80	056	26886	502	16828	035	08664	918	59854		67508	139	84706				
	1400	01427	80	040	26875	505	15795	040	07878	925	57752		69408	153	84606	067	04999	488	15995
ENIWETOK	0300	99099	99	086	27910	495	16138	053	11911	929	54328	490	64414	186	79709	810	98199		
	1430	00489	80	094	27808	496	80830	032	11671	927	54199	XXX	XX199	190	79199	001	96199		
TARAWA	0308	00726	88	081	26878	484	16925	020	08677	908	58630		66159	157	82199	068	00199	408	28199
MAJURO																			
BIRD DOG 3	1450	01286	96	056	27776	499	19632	040	12788	936	55528		64414	199	78199	110	02999	454	28992
BIRD DOG 4	1500	01219	90	066	15598	525	11996	004	08000	936	59833		68599						

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu	88PPP	TTDuu
USS SHANGRI-LA	0200	11960	22860	22819	24885	33720	11524	44645	06220	55675	02860	66472	06736																
	1400	11771	15797	22705	11565	33650	06662	44560	00334																				
KWAJALEIN	0800	11960	23970	22900	18962	33868	18853*	44810	14809	55750	12449	66722	11223	77668	07658	88428	03680	00896	88008	11180	88199	22140	22999	33708	30990				
	1400	11960	23861	22750	18791	33672	00865	44814	55528	55451	61852	77338	74407	88246	90605	99130	30999												
WAKE	0200	11952	22862	22784	12807	33715	10662	44610	01752	55570	52427	66420	66615	88277	88806	99286	99999												
	1400	11910	19783	22865	16693	33745	08093	44710	08878	55582	56735	66497	55746	77455	62412	99366	7480	00885	98608	11180	08999	22147	15999						
ENIWETOK	0300	11960	22900	22800	18063	33750	18926	44584	51962	55470	57729																		
	1400	11960	24955	22750	15672	33620	04765																						
TARAWA	0308	14960	23875	84750	11895	53580	00442	04478	60727	23441	63209																		
MAJURO																													
BIRD DOG 3	1480	21940	22848	26986	23744	34900	22730	58886	17828	63756	18698	86719	13798	18648	09778	28616	00874	77848	51088	00489	84180	40417	62809	55598	66016				
BIRD DOG 4	1500	11876	13890	22834	10989	3 3730	10998	44434	04342	55773	62213	66848	62211	77490	09851	88468	63415												

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	900	850	800	750	700	650	600	550	500	450	400	350
9LLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
NAVY 2116	624	0700	2567	2574	2080	1845	1567	1550							
2130	760	0945	2528	2177	2083	1962	1872	1870							
2100	780	1448	2585	2196	1990	1873	1666								
2060	760	1315	2590	2186	2079	1777	1581								
NAVY 2071	632	0948	2596	2087	1785	1681	1386								

UPPER AIR OBSERVATIONS 11 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		950 mb.		700 mb.		600 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDup	hhh	TTDup	hhh	TTDup	hhh	TTDup	hhh	TTDup	hhh	TTDup	hhh	TTDup	hhh	TTDup
USS SHANGRI-LA	0100	00802	85	004	26800	459	18880	084	09668	988	58419		67207	149	73[illegible]	047	08[illegible]		
	1600	80289	73	019	26726	488	20604	098	10671	987	57738		67206						
KWAJALEIN	0500	00827	85	005	26886	459	17848	086	08775	914	56650		66616	168	80186	060	04888		
	1400	00729	75	005	29790	452	20890	055	11784	932	59744		65314	198	78199	109	00999		
WAKE	0800	01287	84	040	26829	520	16820	059	07666	984	58608			106	84199	999	04888	488	20888
	1445	01430	73	055	27790	505	17826	044	08778	989	59738		68508	156	82199	078	04999	498	18999
ENIWETOK	0800	00828	88	087	26800	486	18715	008	08536	915	57737	680	66411	118	81807	078	05000		
	1500	00830	73	008	30708	455	16470	026	10556	922	59421	690	66517	180	78199	079	01599		
TARAWA	0535	00926	84	008	25872	498	17825	008	08662	916	57734		65199	173	81199	075	05199	438	38199
	1500	00750	72	022	29786	490	19606	050	11678	928	59773		65311	189	76199	108	98199	519	19199
MAJURO																			
BIRD DOG 3	1505	01229	73	055	28777	502	19602	041	11892	959	54845		65987	198	80505	101	02999	468	23888
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu
USS SHANGRI-LA	0100	11950	21890	22725	11671	33622	02858	44461	60312																		
	1600	11950	22730	22771	16686	33547	53724	44432	63207																		
KWAJALEIN	0300	11960	24867	22750	11783	33598	01854	55334	76506	66060	90199	77142	21999														
	1400	11960	26881	22750	14701	33586	02864	44544	00539	55472	57739	66436	79513	88329	73306	99165	11888										
WAKE	0200	11992	24987	22820	14806	33720	09444	44690	06765	55600	00961	66469	61520	77328	75609	88110	88404										
	1445	11992	26884	22599	01647	33587	00523	44567	52639	55334	64310	77337	76306	88186	22999	99087	14999										
ENIWETOK	0200	11950	24645	22575	00852	33350	77815	44258	87704	55140	21599																
	1500	11960	24872	22750	14684	33730	11234	44710	13561	55570	01861	66320	56217	77445	59895	88980	67508	88125	88198								
TARAWA	0535	15960	23965	84750	11785	22652	05764	57571	00429	22444	61313																
	1500	14960	26877	76772	15346	96716	12681	84750	14463	12308	73199	54316	21199	09075	18199												
MAJURO																											
BIRD DOG 3	1505	34908	21735	78769	16356	97718	12797	12678	09888	29038	08228	56622	07661	90589	04111	67754	08431	86516	93745	18856	58621	89145	72903	81232	04999		
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			850	800	750	700	650	600	550	500	450	400	350
GLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
8116	695	0530	2488	2172	1965	1671	1467	1057	0862	0567	0257	5131	5342		
8130	700	0815	2388	2181	1890	1595	1285	1168							
8100	780	0945	2492	2181	1892	1789	1592								
8070	740	1100	2489	2195	1974	1580	1489								
NAVY															
8053	630	0915	2585	1995	1786	1576	1580	0985							

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UPPER AIR OBSERVATIONS 12 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	88	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0200	00728	84	021	27893	487	16813	022	09557	923	58418		69308	173	85xxx	008	08xxx		
	1600	00828	82	023	28096	490	20733	033	11785	926	55628		65xxx						
KWAJALEIN	0200	00827	88	025	28096	490	19830	029	09885	920	56526		66515	176	81198	075	05998		
	1400	00728	83	023	28002	490	19836	028	10788	925	56436		66311	191	79199	098	01999		
WAKE	0400	01428	84	039	28877	508	18036	036	08557	917	58418		69512						
	1418	01429	73	042	28789	508	18584	044	08335	933	56421		67413	165	81506	0230	4999		
ENIWETOK	0300	01027	88	027	28779	428	19610	035	08799	920	57527	470	66619	017	88119	008	04199		
	1500	00928	78	028	27777	486	19533	025	11556	960	53317	500	62199	190	78199	120	96199	815	25199
TARAWA	0310	00827	84	023	27891	489	18947	028	09996	921	56070		65618	194	81506	074	05199		
	1528	00830	70	025	30782	492	20728	040	18602	954	51540		64199	220	79199	127	01199	512	21199
MAJURO																			
BIRD DOG 3	1450	01229	70	035	28775	499	20482	041	12676	942	53536		62312	211	79406	116	04999	463	26999
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu
USS SHANGRI-LA	0200	11861	12819	22821	15796	33582	08555	44540	53742	55490	59315																
	1600	11919	22745	22830	04760	33440	60417																				
KWAJALEIN	0200	11960	24877	22750	15800	33548	52748	44470	06522	55446	62728	77385	68512	66376	90717	93542	73303	00855	90199	11150	25999						
	1400	11960	25886	22750	14703	44350	71307	55125	25999																		
WAKE	0400	11955	22085	22872	17042	33820	15051	44660	04763	55590	51323	66473	60626	86377	72999												
	1418	11935	21836	22920	21598	33758	13336	44638	04544	55526	02221	77371	71715	88159	16999	99122	25999	00106	21999								
ENIWETOK	0300	11960	24883	22730	13657	33630	04885	44550	77512																		
	1500	11960	25891	22820	18724	33750	15697	44670	10345																		
TARAWA	0310	1496	24987	84750	12911	66150	19199																				
	1528	15960	25886	21940	22851	65750	13609	60830	03767	20455	56314	54110	28195	60096	19199	C0078	19199										
MAJURO																											
BIRD DOG 3	1450	20965	22851	56850	19467	65805	18586	79766	16351	94726	13792	56622	08227	58572	04437	85622	81641	53430	88212	60388	64511	95336	72315	57880	84504		
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
ARMY															
2114	654	0500	2595	2191	1994	1800	1595								
2130	740	1730	2586	1987	1850	1656	1477								
2100	780	0945	2500	2100	1800	1800	1400								
2060	740	1130	2490	2172	1965	1778	1578								
NAVY															
2053	630	0915	2585	1995	1786	1576	1380	0985							

UPPER AIR OBSERVATIONS

13 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	UU	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0800	00887	80	092	27602	496	14621	080	08799	906	58316		99XXX	146	83XXX	085	08XXX		
	1600	00886	81	019	28690	484	17934	082	10447	911	57856		87308	178	82806	087	04XXX		
KWAJALEIN	0800	00887	87	085	28690	491	14854	050	09547	921	58737		65460	176	90199	085	03999		
WAKE	0800	01687	82	045	29896	505	15016	056	06437	899	57809		68199	185	72199	047	02099		
	1402	01536	70	059	30796	500	16928	042	11285	933	55110		64199	176	78199	106	01999		
ENIWETOK	0300	00827	86	086	10821	419	13985	020	02750	874	62420	999	71506	096	85199	980	09700		
	1900	00787	85	085	21840	422	12885	010	05662	867	60788			155	88706	003	00199	406	22199
TARAWA	0346	00723	81	080	27882	488	18821	026	09669	914	56315		85199	173	80199	076	02199		
	1528	00830	70	085	30792	492	20926	040	16602	954	51540		84199	220	79199	127	01199	512	21199
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu	PPPTT	TTDuu
USS SHANGRI-LA	0300	11920	80060	22298	14797	33606	00646	44785	71XXX	56228	02XXX	66158	20XXX																
	1600	11960	25548	22750	12899	33671	08552	44440	62517	55432	62616	66265	85504	97140	80XXX													
KWAJALEIN	0300	11960	26870	22750	12801	33458	80729	44442	60418	68315	77406	88252	89199	88112	30999														
WAKE	0600	11928	16050	22830	14913	33715	08445	44632	02113	55490	58209	66485	61209	88305	74199	80352	70199	62154	14199										
	1402	11997	25778	22885	18856	33746	12791	44726	12228	55698	02112	77348	15999	88115	20999														
ENIWETOK	0300	11750	06864	22565	58835	33470	64730																						
	1400	11950	16983	23818	18685	33796	13567	44340	78506	55255	89804																		
TARAWA	0346	14960	24676	76771	13801	84750	12786	91730	11670	44601	91648	54576	00214	08470	08210														
	1528	15960	25866	21940	22821	85750	23609	80530	05767	80455	58514	34110	26199	60095	19199	00075	19199												
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			850	800	750	700	650	600	550	500	450	400	350
GILL	DAL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY													
2112	656	0700	2487	2277	1962	1737	1477	1282	0884	0671	0350	5120	5723
2130	740	0900	2458	2091	2154	1956	1652	1136	0929	0617	0226	5300	5505
2100	780	0945	2496	2181	2076	1765	1693						
2060	740	1115	2465	2287	1700	1400	1564						
NAVY													
2037	652	0845	2367	1700	1500	1200	1189	9076					
2091	599	1145	2100	1900	1980	1768	1545						

UPPER AIR OBSERVATIONS

14 JULY 1946

MANDATORY LEVELS

STATION	TIME (GMT)	Surface PPPTT	Surface DD	1000 mb. hhh	1000 mb. TTDDD	850 mb. hhh	850 mb. TTDDD	700 mb. hhh	700 mb. TTDDD	500 mb. hhh	500 mb. TTDDD	400 mb. hhh	400 mb. TTDDD	300 mb. hhh	300 mb. TTDDD	200 mb. hhh	200 mb. TTDDD	100 mb. hhh	100 mb. TTDDD
USS SHANGRI-LA	0030	00826	88	017	28877	478	19836	099	09982	909	56422		18311	186	79506	063	05xxx		
	1500	00868	74	019	28776	488	19687	074	10066	916	56xxx		66312	174	78xxx	082	01xxx		
KWAJALEIN	0300	00825	84	022	24918	486	17821	022	08777	912	55646		67085	165	80708	068	02xxx		
	1400	00868	81	020	28994	484	18822	023	10867	914	56949		64850	174	78710	088	00xxx	462	22xxx
WAKE	0058	01329	73	059	24773	502	14789	029	07327	907	56210		66614	150	85199	042	05999		
	1400	01230	72	036	28776	495	14791	027	06456	905	56199		67308	150	82199	045	04999	426	19999
ENIWETOK	0900	00727	80	021	26907	483	17629	020	10786	912	56738	899	67308	165	81199	060	04199		
	1500	00830	77	024	29675	489	20736	036	14508	948	56199	810	61199	180	75199	180	96199	510	24199
TARAWA	0008	00686	88	020	26690	483	16927	017	08859	902	57042		67199	151	82199	047	04199		
	1538	00830	75	016	29701	485	18824	021	09667	914	56632		66189	168	81199	070	02199	445	26199
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4	1500	99999	99	025	27885	476	14016	017	08992	906	56840	470	65722						

SIGNIFICANT POINTS

STATION	TIME (GMT)	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD	88PPP	TTDDD
USS SHANGRI-LA	0200	11825	16930	22810	16932	33725	12804	44660	00876	55878	00640	66555	02428	77477	58417	88555	71408	99550	75508	00205	89xxx	11188	12xxx						
	1500	11919	20946	22890	22372	33818	17696	44791	17232	55682	08555	66824	05109	77502	55xxx	88490	54xxx	99450	60197	00428	61418	11325	76204	22508	78xxx				
KWAJALEIN	0300	11960	22965	22750	11891	33582	54846	44480	57728	55432	56029	66281	63504	77255	891xx	88158	20xxx												
	1400	11960	23870	22750	15898	33256	86705																						
WAKE	0056	11990	23852	22791	10771	33765	10444	44685	08218	55596	51199	66544	56210	77519	59313	88454	63209	99442	63517	11304	82504	22127	24999	33108	83999				
	1400	11202	17710	22742	08555	33728	08330	44600	00215	66326	78405	77120	23999	88063	10999														
ENIWETOK	0600	11960	22081	22910	19946	33880	18813	44750	14797	55590	02966	66565	51428																
	1500	11980	78556	22600	07199																								
TARAWA	0508	14960	25972	83750	16894	14670	07329	46563	52746	73534	53848	23435	63512	98125	27199														
	1538	14960	25871	83750	12835	22852	07226	50567	02647	06472	57315	20163	14199																
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4	1500	11960	22970	22852	18058	33644	05961																						

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	(GMT)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
NAVY 2114	656	0515	2587	2198	1678	1482									
2127	727	0845	2584	2070	1656	1362	1060	0832	0620	0819	0123	5120			
2100	780	0830	2469	2300	2100	1700	1700								
2060	740	1100	2200	1963	1800	1200	1500								
NAVY															
2048	640	1035	2487	2274	2070	1862	1562								
2087	605	1215	2385	2097	1891	1685	1478								

UPPER AIR OBSERVATIONS

15 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface PPPTT	Surface 99	1000 mb. hhh	1000 mb. TTDuu	850 mb. hhh	850 mb. TTDuu	700 mb. hhh	700 mb. TTDuu	500 mb. hhh	500 mb. TTDuu	400 mb. hhh	400 mb. TTDuu	300 mb. hhh	300 mb. TTDuu	200 mb. hhh	200 mb. TTDuu	100 mb. hhh	100 mb. TTDuu
USS SHANGRI-LA	0800			019	27767	484	19411	023	10536	912	56210		75XXX	167	71XXX	067	05XXX		
	1400	00738	75	021	28725	478	19356	020	10229	911	56XXX		65410						
KWAJALEIN	0800			016	28879	480	17819	018	09779	908	56809		16825	164	81908				
	1400	00557	88	020	29446	485	18811	021	08670	912	56436		63620	171	79307				
WAKE	0300	01127	96	034	26774	502	17586	040	07457	911	56199		66199	136	82196	052	06991		
ENIWETOK	0300	99999	999	021	25871	478	17696	018	08768	905	57199	490	66308	155	80005	052	04199		
	1540	00629	72	019	28787	476	20591	051	11199	927	54235		64199	175	7815/	085	51199	800	71199
TARAWA	0547	00726	88	022	26867	486	18833	025	10447	919	55845		64309	179	78199	092	98199	805	
	1600	00529	77	016	29798	484	18719	080	09466	910	56633		66308	185	81199	065	05199		
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu	PPP	TTDuu
USS SHANGRI-LA	0200	11915	21727	22900	21536	33669	19574	44645	19603	55769	15570	66750	12560	77706	10335	88665	07550	99615	05615	00417	66808	11151	18XXX						
	1400	11916	24567	22948	22859	33678	19831	44642	19237	55761	14235	66745	13451	77715	11284	88650	07438	99660	51214	00456	60518	11440	61515	22300	66XXX				
KWAJALEIN	0800	11960	22964	22750	13788	33526	53427	44278	65906																				
	1400	11960	24661	22930	23627	33750	12682	44531	53427	56285	82XXX	66260	86XXX	77210	96XXX														
WAKE	0500	11926	20847	22870	16580	33770	12896	44740	09555	55688	07335	66645	02324	77585	01216	88570	01213	00325	56199	11250	62999	22188	18998	64150	17998				
ENIWETOK	0500	11960	22558	22900	21853	33730	12705	44735	10561	55600	02199	66495	07211	77445	63032	88350	73407	99380	78508										
	1545	14960	24666	24925	23750	21505	70785	17236	83750	16199	06470	56730	23445	56313															
TARAWA	0547	14960	23991	02006	24750	01514	18666	06229	75540	52854	32180	04199																	
	1600	14960	26776	64806	83750	12563	18662	06765	52580	00427	99127	85199	30107	26199															
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb.) ⟶			860	900	850	800	750	700	650	600	550	500	450	400	350
GLL	LLL	TIME (LOCAL)	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu	TTDu
2110	654	0515	2564	2353	1970	1738	1549	1249	0957	0628	0309	5106	5512		
2130	740	0815	2200	2087	1500	1500	1462								
2100	780	1015	2586	2190	2087	1575	1575								
2060	749	1045	2587	2284	2175	1872	1573								
WAYT															
NO APOB															

UPPER AIR OBSERVATIONS

16 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0100	00526	76	019	27774	486	19610	023	10672	915	56736		16925	159	68XXX	067	02XXX		
	1400	00629	73	022	28788	490	19827	025	08661	911	57735		86619	168	78XXX	092	93XXX		
KWAJALEIN	0200	00527	82	020	25881	484	19607	021	09670										
	1400	00529	70	020	29781	484	17711	010	09668	908	57840		67718	156	81407	065	04XXX		
WAKE	0200	01127	79	023	26862	492	12604	021	06547	894	61417		72506	103	86100	010	04XXX		
	1400	01128	80	036	27896	499	16815	035	09552	008	58420		68412	142	84100	056	04XXX	442	18XXX
ENIWETOK	0200	00727	84	021	25899	477	18942	020											
	1425	00727	88	022	25893	485	17933	021	10869	930	54428		62023	209	99999	140	99199	522	72199
TARAWA	0302	00726	80	021	26872	484	17700	018	08663	906	57839		67615	156	81199	058	04199		
	1505	00632	61	019	31678	483	13807	018	09671	910	06793		66721	163	81505	067	02199		
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu	PPPdd	TTDuu
USS SHANGRI-LA	0100	11948	24747	22871	20614	33615	04437	44558	52741	55545	52640	66521	54535	77330	78609	88250	96XXX	99220	98XXX	00201	02XXX	11165	12XXX						
	1400	11956	23975	22941	25660	33465	60720	44325	75508	55190	95XXX																		
KWAJALEIN	0200	11960	23861	22750	11674	33655	09721																						
	1400	11960	25758	22920	20836	33750	12879	44257	90111																				
WAKE	0200	11925	18946	22790	09864	33750	08769	44685	06546	55660	02747	66570	57526	77485	62310	88369	75509	99355	83404	00230	99XXX	11130	80XXX						
	1400	11910	18935	22893	19842	33879	06332	44575	52639	55460	61216	66449	62417																
ENIWETOK	0200	14960	24985	84750	24935	84750	12907	94720	11560																				
	1425	14960	24984	84720	12704	80552	52854	17452	56830	89340	70309	41065	56199																
TARAWA	0302	14960	25844	00802	84750	10885	00806	94721	08882	12676	07441	34622	65649	93130	20199														
	1505	14960	26760	34895	17822	85750	12677	54255	40503	86135	21199																		
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
2116	654	0515	2488	2175	1878	1669	1372								
2140	750	0845	2391	2181	2000	1700	1300								
2110	800	1045	2399	2199	1985	1686	1522								
2050	800	0845	2588	2290	2081	1856	1570								
2030	750	1100	2582	2279	1967	1678	1466								
NAVY															
2045	646	1100	2200	2096	1885	1492	1100	0800							
2097	615	1430	2478	2171	1880	1489	1283								

UPPER AIR OBSERVATIONS

17 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDaa	hhh	TTDaa	hhh	TTDaa	hhh	TTDaa	hhh	TTDaa	hhh	TTDaa	hhh	TTDaa	hhh	TTDaa
USS SHANGRI-LA	0300	00686	81	084	26876	498	14707	083	06460	910	56626		89103	154	63XXX				
	1700	00687	77	088	27714	492	14733	089	30770	924	56487		86368	177	60XXX	088	01XXX	471	84XXX
KWAJALEIN	0300	01087	88	031	25878	496	17626	032	08571	920	57837		87719	189	62XXX	069	06XXX		
	1400	00989	75	087	28781	498	17621	024	08881	912	56414		87310	158	61806	068	04XXX		
WAKE	0800	01128	83	034	26885	499	14914	030	06656	909	60311		70XXX	185	65109	041	03XXX	417	83XXX
	1400	00949	71	059	27787	508	16926	036	07019	921	57XXX		67XXX	146	62XXX	068	02XXX	466	80XXX
ENIWETOK																			
	1845	00804	84	080	27894	478	19836	024	10779	915	59036		65731	170	78199	090	00199	611	78199
TARAWA	0315	00726	82	023	25667	486	17822	022	09775										
	1528	00730	89	062	30790	049	18960	029	09887	921	55740		65413	131	79506	069	00199	469	85199
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	88PPP	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa	88PPP 88hh	TTDaa
USS SHANGRI-LA	0300	11860	18630	22840	14676	33641	55738	44495	59626	86445	62419	66261	94XXX														
	1700	11921	22757	22707	12705	33630	05772	44455	58316	56440	47316	66340	77306	77258	10XXX	88068	16XXX									
KWAJALEIN	0300	11960	24265	22750	11889	33765	04646	44599	00656	56463	60632	66425	64217	77258	90LXX	68132	85XXX									
	1400	11960	25966	22750	11789	33665	90603	44165	21XXX	56130	26XXX															
WAKE	0800	11960	22960	22860	20814	33875	04649	44605	91216	55560	66621	66569	58211	77455	64510	86445	66614	99561	70XXX	00906	98LXX	11186	82XXX	82080	82XXX		
	1400	11990	24668	22820	18918	33806	14108	44600	03709	66560	63111																
ENIWETOK																											
	1845	14960	26000	33890	21987	68794	15777	76772	15693	64750	13684	04635	09776	10676	00666	13463	87069	48418	62417	04566	91307	71097	72199				
TARAWA	0315	14960	25865	84750	11764	28635	03968																				
	1528	14960	27896	65804	14916	77770	14606	84750	13602	30287	82505	92115	86199	47100	65199												
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
ATOLL	ALT	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
KWAJ 2116	655	0600	2296	2189	1990	1683	1200	0909	0686	0997	9285				
2140	750	0930	2493	2190	1966	1666	1477	1660	2066						
2110	800	1100	2496	2295	2067	1786	1660	1262							
2060	800	1045	2967	2279	2063	1775	1562	1564							
2035	696	1230	2695	2066	1863	1770	1562	1263							
NAVY															
2089	619	1115	2683	2190	1972	1667	1461								
2088	637	1215	2685	2275	1970	1670	1367								

UPPER AIR OBSERVATIONS

16 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud	hhh	TTdud
USS SHANGRI-LA	0600	00024	84	084	26881	469	1591*	022	08771	906	58828		66307	147	83XXX	051	08XXX		
	1400	00130	73	084	29790	486	19837	030	10779	922	57732		65208	170	88XXX	068	06XXX	415	27XXX
KWAJALEIN	0500	00586	87	080	26991	484	17951	022	10776	911	56738		66310	165	81LXX	063	05XXX		
	1400	00629	73	025	27772	459	17715	026	08770	915	56636		67306	178	79LXX	078	08XXX		
WAKE	0800	01127	84	004	26897	492	17716	035	08770	918	58516		59LXX	134	85XX	048	06XXX		
	1500	00231	66	036	29732	500	16795	028	08774	908	56420		62609	156	81XXX	073	02XXX	456	80XXX
ENIWETOK	1450	00830	76	025	29796	485	21623	034	12664	940	53774		63512	201	80199	109	58199	800	75199
TARAWA	0508	00826	85	023	26579	485	17826	023	10672	913	58040		67821	161	82199	060	05199		
	1550	00829	83	024	28898	490	18829	029	10445	918	56236		66412	178	79199	083	00199	472	24199
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	dd PPP	TTdud	dd hhPPP	TTdud	dd PPP hh	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd PPP hh	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud	dd hhPPP	TTdud
USS SHANGRI-LA	0600	11922	19832	22941	15915	33788	14795	44555	54342	55542	54740	66323	78304																
	1400	11928	22962	22856	20846	33680	08773	44490	57730	55342	73XXX	66170	14XXX	77135	24XXX														
KWAJALEIN	0500	11960	24674	22750	12502	33549	55053	44455	50312	55270	58603	66260	90603	77255	19XXX														
	1400	11960	24762	22750	12679	33260	87MX																						
WAKE	0800	11140	81XXX																										
	1500	11870	18908	22811	14600	33745	10803	44663	06663	55625	04221	66606	04113	77356	82535	88415	57420	99360	72LXX	00875	86LXX	11195	08XXX	22141	XXXXX				
ENIWETOK	1450	14960	26692	24922	25961	84750	16602	89730	14707	61574	53558	13464	56412	83066	57199														
TARAWA	0508	14960	24867	63803	15816	84750	12792	55576	51535	74535	53849	82346	74506																
	1550	14960	25884	84730	13571	62563	81321	08045	02199																				
MAJURO																													
BIRD DOG 3																													
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
GELL	LLL	(LOCAL)	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd
ARMY															
2114	637	0650	8400	2100	1600	1498	1362								
2140	750	0945	8393	8078	1955	1576	1378								
2110	600	1350	8300	8165	1945	1730	1445	1266							
NAVY															
2050	650	0850	8389	8170	1868	1573	1272								
2095	619	1800	8474	8166	1965	1781	1373								

UPPER AIR OBSERVATIONS

19 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	8R	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn
USS SHANGRI-LA	0200			022	25993	486	18941	027	10893	916	57065		87C25	166	80XXX	068	99XXX		
	1400	00628	86	033	27894	482	15798	020	08866	903	58XXX		68XXX						
KWAJALEIN	0200			025	27804	492	18944	028	08987										
	1400	00728	76	025	28790	490	18831	028	10787	920	56735								
WAKE	0200			053	22840	492	[illegible]003	019	04863	891	62826		72IXX	099	86IXX	001	07XXX		
	1400	01130	70	033	29786	497	1[illegible]4	035	09774	924	57734		66619	157	82706	079	03XXX	470	16XXX
ENIWETOK	0215	00927	86	026	27686	486	18743	032	09886	907	57822		66509	991	83199	048	57199		
	1600	00730	77	022	29818	485	19843	032	14814										
TARAWA	0324	00627	82	024	26877	487	17816	022	08551	908	57316			162	81[illegible]8	063	03199		
	1525	00631	80	025	31675	492	17711	029	09442	921	55318		64207	166	18706	102	99199	514	17199
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn	99PPP 88	TTDnn
USS SHANGRI-LA	0200	11908	20065	22895	20063	33665	18865	44428	64620	55415	64723	66155	08XXX														
	1400	11913	19940	22781	12075	33758	12905	44721	10997	55640	04067																
KWAJALEIN	0200	11960	24000	22750	11010	33639	05656																				
	1400	11960	25670	22750	13801	33406	66028																				
WAKE	0200	11482	62825	22442	67207																						
	1400	11921	21844	22842	16693	33745	09786	44615	03757	55509	56735	66330	76812	77250	01605	88166	10XXX	99140	16XXX	00116	20XXX						
ENIWETOK	0215	14960	24863	84750	13756	33623	03969	60380	71614	78350	75504	37170	60199														
	1600	14960	27805	84750	15692	87812	5380																				
TARAWA	0324	14960	23750	84750	11669	98715	09449	30632	03859	56565	00533	78524	55635	12461	69199	42408	65208	46214	88505	01125	23199						
	1525	15960	27656	84750	12672	46597	01752	64557	50321	91537	92408	24116	16199	38108	16199	84094	17199										
MAJURO																											
BIRD DOG 3																											
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			860	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn	TTDn
ARMY 2116	654	0500	2683	2285	1990	1672	1576	1270	0971	0770	0365	5261	5635		
2130	740	0745	2285	2142	1754	1664	1265								
2100	780	0945	2566	2283	1883	1777	1475								
2160	740	1115	2590	2370	2070	1677	1377								
NAVY															
NO APOB															

UPPER AIR OBSERVATIONS

20 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPP.T	VV	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD	hhh	TTDDD
USS SHANGRI-LA	0200			024	26993	490	17936	024	06884	914	55738		66026	165	82706	059	06xxx		
	1300	00528	77	027	27771	482	18606	029	09773	921	55635		66xxx						
KWAJALEIN																			
WAKE	0200			030	25872	495	15815	027	06870	911	58043		68922	135	84807	045	07xxx		
	1400	00928	30	029	28787	499	20667	036	10783	926	56840		66731	180	81708	083	03xxx		
ENIWETOK	0252	00727	84	022	26883	484	18608	023	11675	915	56528		66199	178	81199				
	1400	00730	80	022	26603	484	18803	033	09778	890	54847		65412	178	82199	075	52199	470	77199
TARAWA																			
	1520	00828	82	024	28693	491	19836	031	13700	933	06904		65516	195	78199	102	02199		
MAJURO																			
BIRD DOG 3	1500	01726	83	999	24865	495	22999	045	20854	989	03999								
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD	PPPP hhPPP	TTDDD
USS SHANGRI-LA	0200	11782	14915	22680	07882	33638	03075	44485	56636	55195	06xxx	66130	22xxx														
	1300	11988	24746	22956	25639	33896	20718	44805	12692	55632	04758	66825	03761	77525	52534	88480	87226									
KWAJALEIN																											
WAKE	0200	11949	21852	22830	14808	33792	14793	44615	00062	55260	90807	66160	10xxx	77130	08xxx												
	1400	11980	26883	22800	18603	33740	12772	44558	52055	55470	70634	66360	71716	77793	82708	88250	90803	99168	13xxx								
ENIWETOK	0252	14960	24975	83750	15708	25650	07551	44600	02751	99485	36214	33283	85199														
	1410	14960	25624	85750	14703	12676	06881	25643	06763	45600	02861	60565	00640	53094	72199												
TARAWA																											
	1520	14960	25876	84750	14808	21657	12795	43412	63311	82352	71308	85140	19199														
MAJURO																											
BIRD DOG 3	1500	11850	22134	22872	22524																						
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
0LLL	LLL	VIS (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY															
2116	665	0500	2484	2186	1992	1783	1581	1174							
2130	740	0630	2492	2090	1734	1563	1390	1259							
2100	780	0945	2486	2267	1963	1736	1447								
2060	740	1115	2589	2189	1786	1675	1485								
NAVY															
2053	650	0915	2475	2277	1969	1575	1286								

UPPER AIR OBSERVATIONS

21 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn	hhh	TTDnn
USS SHANGRI-LA	0200	00527	89	027	27900	492	17950	260	09882	111	58940		66414	152	84xxx	155	06xxx		
KWAJALEIN	0500	01021	79	025	26773	490	18715	026	09775	914	57857		68xxx	181	80xxx	065	03xxx		
	1400	09050	69	023	25781	490	20735						14511						
WAKE	0200	00925	87	030	24972	492	16815	023	06873	906	58640		68815	130	83504				
	1400	01026	72	032	27778	499	16704	031	09774	919	58633		67719	149	81505	066	03xxx	442	20xxx
ENIWETOK	0340	00727	84	022	26013	480	16014	018	09780	915	60833		70506	121	87199	605	59199		
	1406	00731	74	022	30821	494	21974	036	13577	940	53318		64199	122	79199	110	51199		
TARAWA	0417	00826	80	024	25868	486	16811	021	06776	907	57523		66310	156	82605	006	05199		
	1550	00729	72	022	28781	488	18714	025	08886	915	57045		66825	164	79011	074	99199	470	21199
MAJURO																			
BIRD DOG 3	1400	10075	63	028	16786	457	09999	000	02323	878	61999		80999	123	63999	034	97999	511	06999
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	nnPPP	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTDnn	nnPPP hh	TTF-n
USS SHANGRI-LA	0200	11942	22077	22791	14798	33723	09968	44706	08883	55615	02863	66554	54947	77530	55844	88455	62950	99142	22xxx								
KWAJALEIN	0500	11960	24775	22750	12788	33467	61623	44150	17xxx																		
	1400	11960	26768	22900	21843	33750	14691	44340	721xx																		
WAKE	0200	11772	10691	22758	10778	33605	51060	44590	00562																		
	1400	11915	20820	22820	14795	33752	12790	44525	04656	55492	57527	68335	75506	77310	79506	88295	81404	99157	22xxx								
ENIWETOK	0340	14960	24001	34895	19471	83750	13700	43600	53054	63555	57833	94490	60934	76137	77199												
	1406	14960	27803	84750	16606	22655	10680	54580	04549	76535	00647	40105	76199														
TARAWA	0417	14960	22853	83750	10887	16665	06083	22446	63725	91335	77709	02124	26199	20112	27199												
	1550	14960	25862	03510	84750	18695	02510	56254	87604	29110	23199	94078	27199	29065	20199												
MAJURO																											
BIRD DOG 3	1400	12880	10117	22772	07216	33633	51218	44560	55999	55438	65999	77343	87999	88235	93999												
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶	950	900	850	800	750	700	650	600	550	500	450	400	350
ALT (FT)	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn	TTDnn
2116	654	0515	2489	2181	1884	1686	1395	1074	0679	0278				
2130	740	0815	2383	1978	1840	1735	1458	1168						
2110	800	1046	2494	2095	1885	1771	1534							
1050	740	0615	2487	2192	1996	1494	1485	1178						
1090	777	0915	2571	2353	2164	1776	1480	1186						
2040	642	0845	2292	2084	1875	1578	1377	0923						
2097	613	1115	2386	1900	1694	1688								
2095	655	0715	2494	2175	1975	1773	1465	1065						
2124	708	0930	2389	2087	1885	1667	1375	0970						
2124	743	1100	2571	2167	1867	1629	1339	1046						
2090	712	1330	2393	2085	1670	1578	1275	1072						

UPPER AIR OBSERVATIONS

22 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0800	00826	86	026	27686	496	16816	026	08662	914	57314		19306	154	84403	066	06XXX		
KWAJALEIN	0800	00827	82	026	26683	486	16809	020	07655	906	56514		69IXX	146	84504	042	05XXX		
	1400	00929	77	028	28787	496	19834	036	10686	928	58640		56310	141	80607	086	02XXX	461	88XXX
WAKE	0800	00926	89	050	25892	498	18060	036	10015	933	53855		63313						
	1400	01224	96	036	25085	497	16929	031	08879										
ENIWETOK	0300	00727	84	032	24864	482	15916	016	07764	900	58524		59511	141	84404				
	1506	00829	78	025	29833	496	22758	044	13704	945	54956		62519	212	78609	188	00199	520	2192
TARAWA	0507	00826	84	024	25660	488	17715	024	07879	906	57044		67617	150	81404	056	08199		
	1503	00026	78	027	27886	492	17850	030	08890	920	57045		66825	174	80807	080	01199		
MAJURO																			
BIRD DOG 3	1400	09717	76	027	12776	482	14716	015	05999	896	60999		70999	130	85999				
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	AAPPP	TTDuu	AAhPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu	AAPPP	TTDuu
USS SHANGRI-LA	0800	11929	80844	28825	11XXX	33765	15676	44675	06647	55630	04433	66605	01643	77528	54426	88475	61512	[illegible]	85408	010150	81XXX						
KWAJALEIN	0800	11960	83864	82750	10672	33742	00628	44600	00640	50450	64413	66452	65309	77360	73405	88321	8406	99860	901XX	00190	00XXX						
	1400	11960	26771	82750	13806	33430	61621	44250	90805	56151	17XXX																
WAKE	0800	11953	22085	22815	14030	33782	15038	44663	10912	55627	06880	66565	01071	77508	52064	86483	85636										
	1400	11918	19058	82790	13804	33685	06875	44630	02966																		
ENIWETOK	0500	17950	20058	85730	10668	85490	59625	41407	68410	71362	75307	56249	94199														
	1506	18950	27919	35896	25908	46863	25755	86750	16719	16452	56051	41417	60417	85354	69820	64201	87304	97133	80199	19046	08199						
TARAWA	0507	14960	25968	84750	11891	52160	13199																				
	1505	15980	24869	84750	12803	80115	21199																				
MAJURO																											
BIRD DOG 3	1400	11838	12883	82805	10779	33760	08228	44685	00929	56445	66999	77356	76999	88860	93899												
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
GLLL	LLL	VFR (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
NAVY															
2098	610	0830	2581	2185	1978	1771	X571								
2165	630	1030	2587	2185	1886	1567	1376	0970							
ARMY															
2050	740	0715	2487	2198	1996	1494	1485	1178							
2015	740	0815	2585	1976	1840	1735	1488	1060							

UPPER AIR OBSERVATIONS

25 JULY 1946

MANDATORY LEVELS

STATION	TIME (GMT)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	00	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0200	00827	84	029	29889	492	17982	030	09870	580	57046		46085	185	08508	053	08888		
	1345	00828	78	024	29880	491	17975	031	11677	587	56529		46082	184	72288	888	01888		
KWAJALEIN	0200	01026	86	031	29882	496	17816	029	07872	930	56038		46619	181	83006	068	04xxx		
	1500	00828	76	020	29785	486	17775	026	10835	919	56637		46618	172	82707	088	04xxx	437	58xxx
WAKE	0808	01225	83	034	24976	495	18818	029	04871	915	57048		47085	145	81808	066	04995		
	1400	01229	70	057	28782	502	17462	038	08884	926	56539		46883	150	82199	075	03993	485	52999
ENIWETOK	0830	00928	86	026	25937	447	17588	047	07642	957	56629			235	84199	081	56199		
	1630	00831	77	028	31709	489	18714	048	12681	940	55632		46310	210	79199	080	96199	585	72199
TARAWA	0320	00825	85	027	25871	490	17715	024	10671	914	57830		46922	160	83706	080	02198		
	1510	00829	74	024	29786	495	19714	030	09558	922	55029		46310						
MAJURO																			
BIRD DOG 3																			
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (GMT)	00PPP	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu	00PPP hh	TTDuu
USS SHANGRI-LA	0200	11960	23974	22826	15810	33704	09870	44658	05866	55508	56048	77158	19999												
	1345	11962	24979	22804	17602	33687	03651	44530	53427	55430	63030	66420	63930	88317	78034	99175	88888	00160	10888						
KWAJALEIN	0200	11960	19862	22750	10783	33566	84051	44469	62033	55370	72815	66331	77807	77296	90503	88120	84xxx								
	1500	11960	25872	22935	18645	33750	13798	44568	51857	55535	51746	66365	71511	77335	76711										
WAKE	0808	11885	17825	22549	53058	44280	89804	56157	15999																
	1400	11930	22750	22795	14797	33785	13686	44692	06876	55022	54844	77360	66620	66506	80404	99230	88888	00118	58388	11087	18988				
ENIWETOK	0830	14960	23865	25750	13682	47545	85095	95445	64928	25257	93199	36121	81199												
	1430	14960	29677	85750	16696	22655	08228	37622	07339	56575	01326	82525	53656	71380	66207	84086	77199								
TARAWA	0320	15960	24858	84750	11690	36815	02755	50259	90605																
	1510	14960	28765	84750	12678	27641	06335	56573	50644	16456	60627	13306	79199												
MAJURO																									
BIRD DOG 3																									
BIRD DOG 4																									

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	VOR (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD
ARMY 2116	655	0900	2474	2246	1956	1453	1370	1067	0809	0453				
2127	750	0715	2391	2096	1896	1752	1278	0975						
2110	800	1000	2210	2182	1982	1675	1482	1064						
NAVY														
2111	615	0900	2491	2186	1882	1580	1376	1054						
2152	642	1130	2397	2180	1876	1561	1465							

UPPER AIR OBSERVATIONS

24 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	UU	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0145	00628	88	087	87800	492	18656	033	10690	926	58623		66632						
	1751	00628	88	084	87893	491	18621	026	09772	914	58215		67308	161	82899	066	04999	481	30999
KWAJALEIN	0800			085	88691	490	18652	030	10675	924	58737		67818	170	83605	066	04XXX		
	1400	00929	72	085	89785	492	18715	020	10673	921	58319		67151	170	81151	076	04XXX		
WAKE	0217	01325	93	038	84982	508	17698	035	07663	920	58421		66820	146	82906	067	06999		
	1400	01329	90	039	85785	502	18634	044	09885	932	58718		66828	187	77199	114	87999		
ENIWETOK	0236	00926	89	088	84978	483	9994	019	09667	915	57839		67199	180	81405	110	52199		
	1440	01089	81	031	88810	486	19063	036	14960	939	58889		65209	208	78139	125	99199		
TARAWA	0310	00986	83	027	85872	490	18602	027	09448	916	56524		67308	162	83504	069	03199		
	1525	00750	72	022	30785	490	18708	020	09663	913	56421		67308	183	82199	069	04199	451	86199
MAJURO																			
BIRD DOG 3	1330	10027	74	029	84714	495	19607	031	11102	928	56201			186	81939				
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	aaPPP	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu	aaPPP hh	TTDuu
USS SHANGRI-LA	0145	11946	84734	22734	13010	33690	10666	44548	53634	55450	64515																
	1751	11950	83047	22800	14602	33756	13662	44562	51742	55532	54214	66500	66213	77474	39316	99306	81405	00122	88999	11080	80999						
KWAJALEIN	0800	11855	19944	22750	13702	33636	06877	44535	54534	55463	60523	66370	72409	77261	90603												
	1400	11960	24745	22750	13660	33666	09750	44534	53515	55421	60511																
WAKE	0217	11916	81730	22600	13670	33760	12566	44630	03756	55360	66630	66470	61829	66669	69805	99147	81899	00188	86999								
	1400	11828	16824	42740	12787	33672	07881	44548	56655	66340	70620	77248	87999	99179	04992	99125	1xx99										
ENIWETOK	0236	14960	9939	83750	9999	94710	09666	67548	09666	04476	59731	66366	71612	95330	75199	42269	87006	99136	71199								
	1440	14960	28287	85750	15713	30636	07555	66566	02971	17457	58839	17186	81199														
TARAWA	0310	14960	23866	30910	21936	84750	12547	92718	11339	26642	05759	44400	01325	74535	53530	79140	19199										
	1525	14960	26746	84750	12744	86575	63090	26199																			
MAJURO																											
BIRD DOG 3	1330	11611	16406	22776	15105	33320	05202	4493	67999	66636	73999	66500	67999														
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			950	900	850	800	750	700	650	600	550	500	450	400	350
0LLL	LLL	WIND (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
2116	854	0448	2600	2300	1800	1600	1300	1197	0900	0900					
2130	750	0745	2587	2100	1800	1600	1382	1154							
MAFF															
2145	658	0835	2378	2076	1764	1735	1432								
2047	656	0745	2489	2083	1678	1579	1274								
2034	728	0915	2606	2184	1845	1666	1464								
2107	742	1215	2687	2183	1896	1678	1472								

UPPER AIR OBSERVATIONS

28 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	UU	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0130	00727	85	026	27885	496	18835	054	10867	921	57210		66206	190	82999	064	06999		
	1445	00628	94	023	27773	490	18713	028	10565	902	56214		66206	186	79999	062	02999		
KWAJALEIN	0800			031	28000	498	18758	032	09960	911	56712		67xxx	187	83xxx	062	04xxx		
	1400	00629	91	025	28580	498	18658	028	10670	902	55xxx		65xxx						
WAKE	0800	01226	87	054	25684	497	17603	031	09665	915	56854		68902	154	84503	062	07999		
	1400	00950	72	028	29795	495	19948	055	11231	928	56948		64620	168	78507	096	01999	161	19999
ENIWETOK																			
	1427	00931	70	022	30708	484	21739	035	64214	907	52199		62199	143	87199				
TARAWA	0515	00626	82	024	26872	497	17712	023	10056	911	56523		67509	164	80199	070	00199	443	27199
	1534	00827	82	024	26684	498	15026	024	08770	914	56739		62908	174	79709	088	99199		
MAJURO																			
BIRD DOG 3	1340	09026	86	305	25715	482	13406	019	07202	901	59101			146	84999	039	97999	455	97999
BIRD DOG 4	1400	01026	76	029	28782	496	19718	055	10667	925	55199		65199	185	80199	087	02999		

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu
USS SHANGRI-LA	0130	11810	16821	22782	16816	33592	08326	44558	62656	55508	56210	66432	62207	86344	75407	99506	81406	00240	00899	11136	18999	22106	84999						
	1445	11856	22844	22810	17600	33728	12700	44653	08224	55650	08336	66447	82210	88320	69006	99500	79989	00148	18999										
KWAJALEIN	0800	11900	20962	22815	14022	33777	13024	44750	12911	55055	52651	66441	82209	77145	18xxx														
	1400	11960	25872	22750	13798	33631	06335	44531	82520																				
WAKE	0200	11854	15925	22725	11675	33546	54738	44438	61029	60346	72712	77310	63504	88288	86403	99212	04999	00125	26999										
	1400	11906	21070	22880	21963	33795	14831	44767	15239	55663	08542	66606	04224	77455	61854	88430	60826												
ENIWETOK																													
	1427	14960	27691	84750	17604	09688	13571	25648	09668	74527	01220	68240	55199																
TARAWA	0515	14960	24862	84750	12671	34821	03859	58567	00323	66150	17199	61055	15199																
	1534	14960	24870	84750	12678	42604	01064	73538	52657	55258	88505	98150	19199	19116	18199														
MAJURO																													
BIRD DOG 3	1340	11809	28610	22765	15809	33565	11802	44542	52999	55259	83999																		
BIRD DOG 4	1400	27641	00651	61564	51537	79527	54317	04478	56199	52085	63905	50060	88199	11120	26999														

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu	TTDuu
2116	654	0030	2484	2188	1895	1660	1482	1161	0760	0542	0007	5xxx	6110		
2130	740	0545	2277	2059	1850	1638	1320								
2100	780	1115	2582	2166	1940	1737	1350								
NAVY															
2048	749	0800	2486	2184	1886	1590	1385								
2070	780	0915	2591	2179	1876	1678	1361								

UPPER AIR OBSERVATIONS

24 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		950 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	DD	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA	0130	07726	80	026	27686	492	17643	027	08666	910	59439		89999	117	85999	042	05999		
KWAJALEIN	0800			085	28667	490	19960	069	09781	917	56310		67IXX	166	82IXX	063	04XXX		
	1400	00929	76	085	28572	498	18882	026	09781	981	54837		65618	178	79IXX	083	02XXX		
WAKE	0800	00986	91	087	28666	492	18797	080	04770	905	58835		66826	135	81808	054	03899		
	1414	00926	87	087	28683	492	17709	027	07774	912	57048		86925	145	80808	068	03099	466	18999
ENIWETOK	0800	00987	85	088	28991	486	17703	025	09887	895	58732		68914	139	88504	062	03199		
	1430	00851	70	025	30799	466	22617	055	12682	932	54199		64199	185	80195	100	80199	498	90199
TARAWA	0300	03726	84	021	25880	464	15918	018	06552	904	57638		69022	148	84807	060	06199	393	88199
MAJURO																			
BIRD DOG 3	1400	08726	77	025	27716	496	18712	025	11405	930	56505		65999	192	80999	110	97999		
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu	PPPP	TTDuu
USS SHANGRI-LA	0130	11908	80061	42884	19043	53738	10890	64654	06334	50432	04541	66600	01323	77460	60415	99354	78099	00948	78999	11538	80999	08168	88699				
KWAJALEIN	0800	11960	96673	82750	12012	33536	83121	64681	58616	50445	62208	66256	90IXX	77125	84XXX												
	1400	11960	96661	82750	12794	33439	61312	64550	72714	56310	77406	66259	88IXX	77145	80XXX												
WAKE	0800	11836	14792	82738	08774	33550	54845	64590	58838	66308	80809	77216	88999	88150	18999												
	1414	11987	51061	33258	88704	64281	24999	85079	34999																		
ENIWETOK	0800	14960	85077	83750	11980	34436	14310	98350	75915	97125	77199																
	1430	14960	24767	84750	15088	39425	07228	86087	75193																		
TARAWA	0300	14960	82967	83750	11565	65660	04542	88545	56860	59090	84199																
MAJURO																											
BIRD DOG 3	1400	11900	80814	82750	13804	33080	02504	64440	80801	66366	78998																
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD

UPPER AIR OBSERVATIONS

AT 2000Z 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	0S	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA																			
KWAJALEIN																			
WAKE	0500	01027	87	030	28098	499	13707	027	07773	912	56841		97515	136	84199	044	08099		
ENIWETOK	0845	00909	86	027	27900	485	13980	024	08022	914	56198								
	1420	00923	76	027	29803	484	13857	030	10446	930	54213		83199	180	78199	110	80199	813	07199
TARAWA	1441	00809	76	024	26790	486	13823	027	09777	918	54734		84724	179	80808	085	05199	456	21199
MAJURO																			
BIRD DOG 3	1430	00725	72	020	24714	484	13507	024	08102	941	57101		89099						
BIRD DOG 4	1330	01089	78	030	28796	499	13961	040	12790										

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	PPPP	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu	PPPP hh	TTDuu
USS SHANGRI-LA																											
KWAJALEIN																											
WAKE	0500	11940	22080	22884	18818	33078	81838	44494	57841	66342	76506	77320	80199	88150	20099												
ENIWETOK	0845	14960	25978	85750	12563	85725	11674	50560	52212	76556	85199	34425	85199														
	1420	14980	28888	84750	14966	25846	07529	10470	57212	09128	72159	82072	59199														
TARAWA	1441	14980	25808	84750	12896	34282	84504	07123	25169	38025	85199																
MAJURO																											
BIRD DOG 3	1450	11933	19410	22867	17609	33800	15804	44740	12203	55625	05101	66547	88101														
BIRD DOG 4	1550	27920	25875	45864	19084	56830	18055	98775	16084	81760	14826	92729	13706	24450	09671												

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
SLLL	LLL	UPPER (LEVEL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD

UPPER AIR OBSERVATIONS

28 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface PPPTT	Surface dd	1000 mb. hhh	1000 mb. TTdd	850 mb. hhh	850 mb. TTdd	700 mb. hhh	700 mb. TTdd	500 mb. hhh	500 mb. TTdd	400 mb. hhh	400 mb. TTdd	300 mb. hhh	300 mb. TTdd	200 mb. hhh	200 mb. TTdd	100 mb. hhh	100 mb. TTdd
USS SHANGRI-LA																			
KWAJALEIN																			
WAKE																			
ENIWETOK	0246	00827	86	024	26902	484	18696	025	09451	916	56199		67199	161	81199	086	83199	420	78199
	1440	00830	68	024	11199	495	20618	036	11613	920	58214		69199	178	80199	095	81199		
TARAWA	1453	00830	73	022	307866	457	18428	060	08219	936	56210		66310	186	81199	079	01199	462	27199
MAJURO																			
BIRD DOG 3	1330	08020	82	028	20812	479	12708	009	00404	891	60999		68999	239	83999	036	87999		
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	dd PPP	TTdd	dd PPP hh	TTdd	dd PPP hh	TTdd	dd PPP hh	TTdd	dd PPP hh	TTdd	dd PPP	TTdd	dd PPP hh	TTdd	dd PPP hh	TTdd	dd PPP	TTdd	dd PPP	TTdd	dd PPP	TTdd	dd PPP	TTdd	dd PPP	TTdd	dd PPP	TTdd
USS SHANGRI-LA																													
KWAJALEIN																													
WAKE																													
ENIWETOK	0246	14960	25991	57825	15684	83608	16356	76770	13346	82756	14346	11660	08553	44606	03217	73537	81199	98486	58199										
	1440	14950	11199	45843	20821	81750	14796	07692	11670	59612	03758	18115	76199																
TARAWA	1453	15860	25628	75779	11656	86750	11339	36425	02111	58572	01533	10468	59209	11310	75405	51098	28199	55095	23199										
MAJURO																													
BIRD DOG 3	1330	11920	16610	22610	50201	44548	74999	85250	83999																				
BIRD DOG 4																													

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	VIPS (LLLLL)	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd	TTdd

UPPER AIR OBSERVATIONS

30 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		600 mb.		500 mb.		300 mb.		200 mb.		100 mb.	
		99PTT	VV	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA																			
KWAJALEIN																			
WAKE																			
ENIWETOK	0220	00627	80	025	26595	484	17819	620	06979	901	68043		57983	344	84705				
TARAWA																			
MAJURO																			
BIRD DOG 3	1400	08023	83	022	25716	479	15710	020	09706	833	55999		69/99	081	83999	976	97999		
BIRD DOG 4	1400	01031	70	030	30796	498	19727	039	11678										

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu
USS SHANGRI-LA																													
KWAJALEIN																													
WAKE																													
ENIWETOK	0220	14960	23870	70788	12098	38608	01857	44595	61534	57568	53427	13456	62827	30427	84030	36240	98603												
TARAWA																													
MAJURO																													
BIRD DOG 3	1400	11915	17811	22736	10708	33505	02503	44443	61999	66340	75399																		
BIRD DOG 4	1400	28925	22743	34900	22749	04836	18718	60818	18716	70790	16698	80762	15697	25648	08665	29638	08560	88072	03439										

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			960	900	850	800	750	700	650	600	550	500	450	400	350
9LLL	LLL	TIME (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD

NAVY

UPPER AIR OBSERVATIONS

30 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	dd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd	hhh	TTDdd
USS SHANGRI-LA																			
KWAJALEIN																			
WAKE																			
ENIWETOK																			
TARAWA																			
MAJURO																			
BIRD DOG 3	1400	09372	70	087	28715	492	18712	055	11203	930	55101	476	67999						
BIRD DOG 4	1515	01068	74	030	28765	492	19369	054	10563	926	55316		66199	176	81199	072	05999		

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd	99PPP hh	TTDdd
USS SHANGRI-LA																													
KWAJALEIN																													
WAKE																													
ENIWETOK																													
TARAWA																													
MAJURO																													
BIRD DOG 3	1400	11706	14507	22645	062??	33600	05404	44445	61999																				
BIRD DOG 4	1515	12968	23654	47858	20354	44807	17561	25646	00652	90488	56316	25292	63199	30175	12999														

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			900	800	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	WIND (KTS)	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd	TTDd

UPPER AIR OBSERVATIONS

31 JULY 1946

MANDATORY LEVELS

STATION	TIME (LOCAL)	Surface		1000 mb.		850 mb.		700 mb.		500 mb.		400 mb.		300 mb.		200 mb.		100 mb.	
		PPPTT	VV	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu	hhh	TTDuu
USS SHANGRI-LA																			
KWAJALEIN																			
WAKE																			
ENIWETOK																			
TARAWA																			
MAJURO																			
BIRD DOG 3	1400	08773	99	085	29999	492	16999	033	11999	919	05099		60299						
BIRD DOG 4																			

SIGNIFICANT POINTS

STATION	TIME (LOCAL)	99PPP	TTDuu	99PPP hh	TTDuu	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP	TTDuu	99PPP hh	TTDuu	99PPP hh	TTDuu	99PPP	TTDuu	99PPP hh	TTDuu
USS SHANGRI-LA																											
KWAJALEIN																											
WAKE																											
ENIWETOK																											
TARAWA																											
MAJURO																											
BIRD DOG 3	1400	11767	15099	22620	05925	33545	01999																				
BIRD DOG 4																											

AIRCRAFT SOUNDINGS

PRESSURE (mb) ⟶			860	900	850	800	750	700	650	600	550	500	450	400	350
QLLL	LLL	TYPE (LOCAL)	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD	TTDD

EXPLANATION OF AIRCRAFT WEATHER REPORTS

1. Aircraft Weather Data Included:

On the following pages are recorded all aircraft weather data recorded by Army and Navy aircraft while patrolling for the CROSSROADS Operation. The tract of the Army Weather Reconnaissance at all times and that of the Navy during the test day periods was controlled by the CROSSROADS Weather Central. In general, the Army covered the area to the east and south of Bikini, and the Navy covered the area to the south and west. The exact course was decided upon beforehand from a study of the synoptic weather conditions. Efforts were made to send the planes over an area where the critical conditions existed for shaping the subsequent Bikini weather.

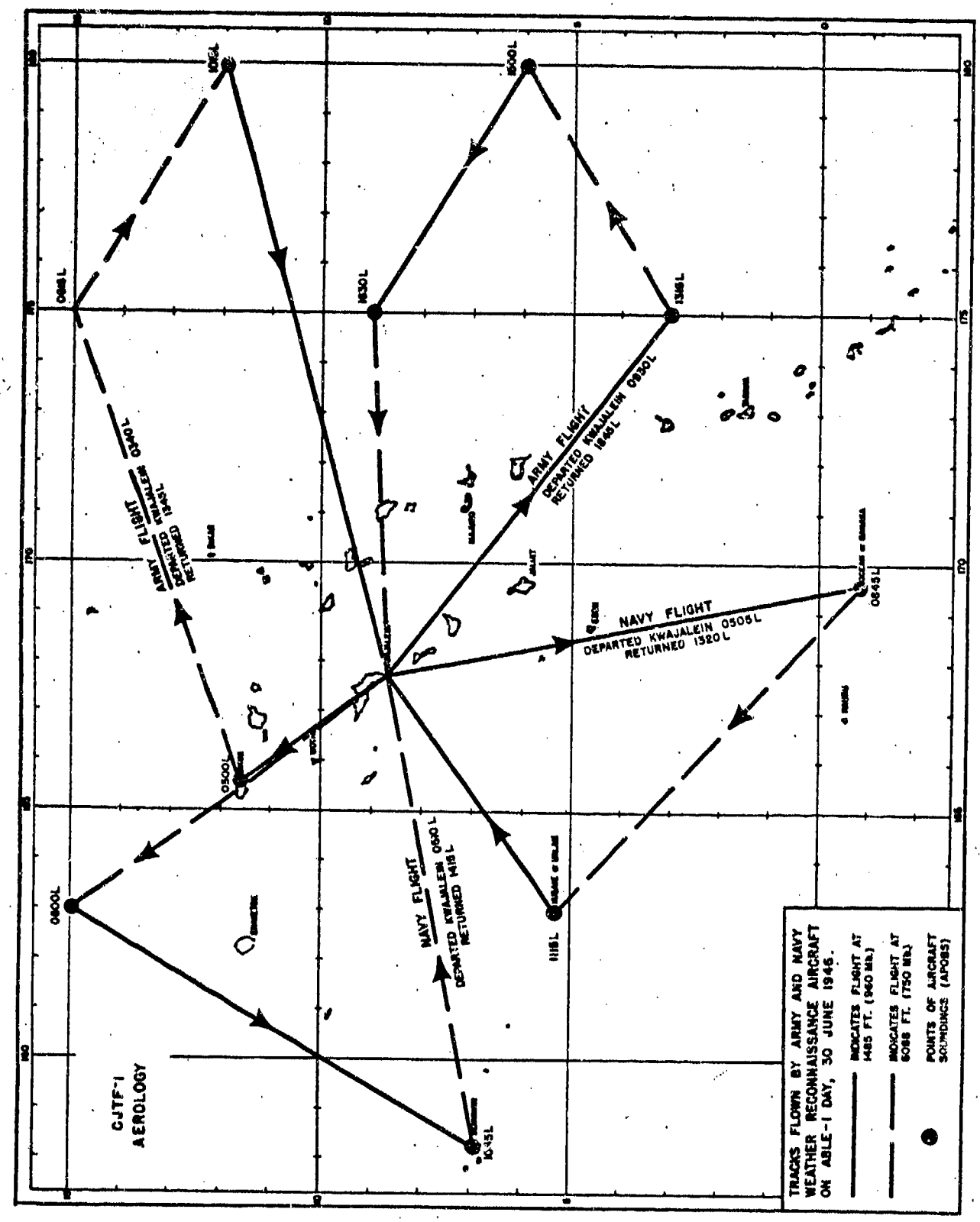
Complete observations were taken at 30 minute intervals unless otherwise instructed. Flight levels were at 960 millibars and 750 millibars. At positions predetermined by the weather central, the planes changed flight levels in order to take soundings of temperature and relative humidity. Standard procedure called for taking a sounding over Bikini, but the positions of other soundings depended upon the synoptic weather pattern. Soundings were taken to as high as 350 millibars on some occasions. The observational and sounding data was radioed immediately to the ground station on Kwajalein for delivery to the weather central.

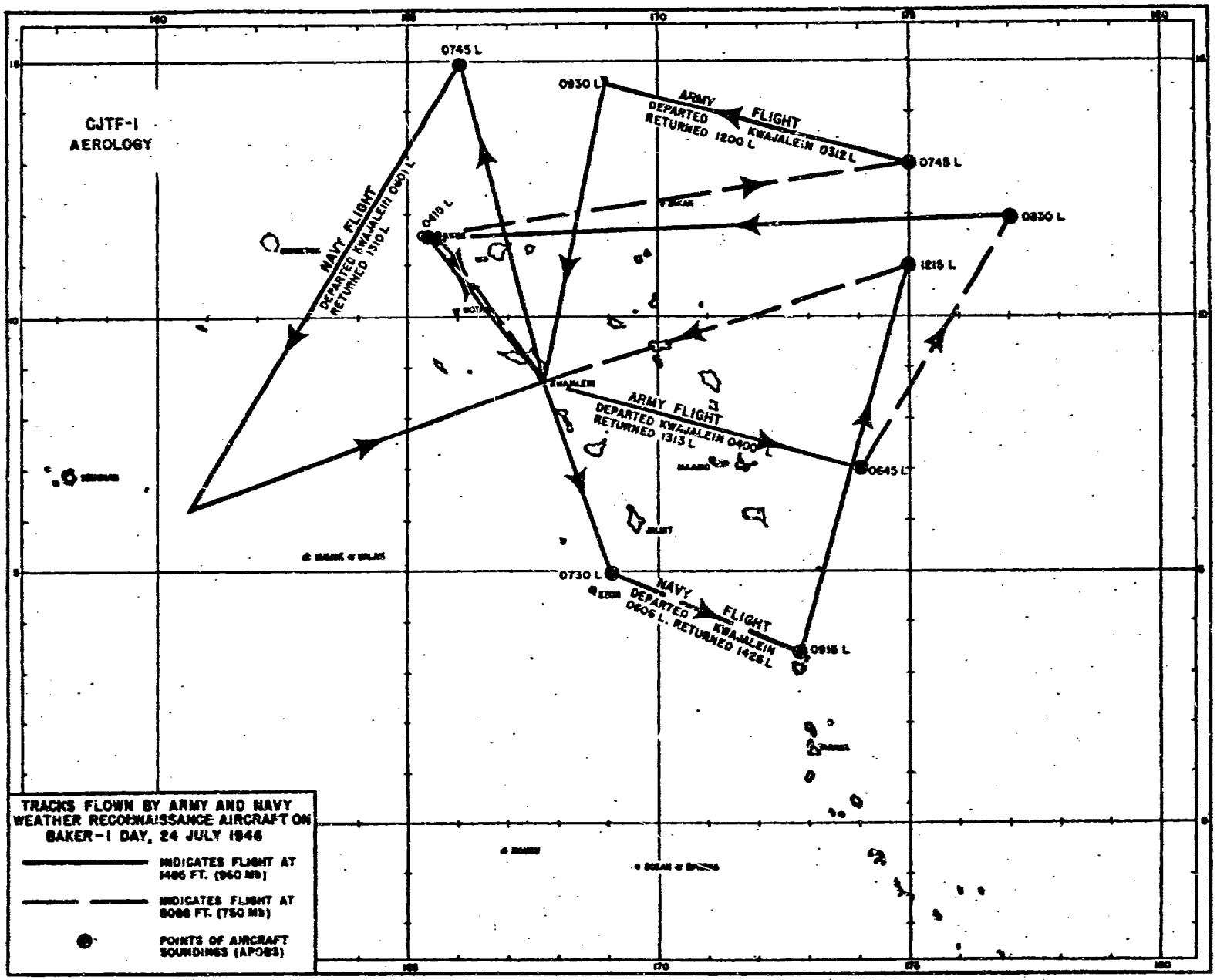
A camera was carried on each mission for taking pictures of significant weather phenomena. Selection of the phenomena was left to the discretion of the observer.

Radar fixes of weather disturbances were entered on a map while en route in such a manner as to show position, size, and intensity. Inflight cross-sections of weather encountered were prepared during some missions. Both charts were delivered to the weather central at the end of the flight.

The final duty of the mission for an observer was to report to the weather central immediately after landing and give a verbal description of conditions encountered. His statements and reports were the basis of the weather summary which was transmitted over the teletype network. All weather reports received from the plane while in flight were transmitted previously.

Records, charts, forms, and instructions used on the flight were assembled and filed in individual folders.


ARMY FLIGHT
DEPARTED KWAJALEIN 0400L
RETURNED 1345L
ARMY FLIGHT
DEPARTED KWAJALEIN 0930L
RETURNED 1845L
NAVY FLIGHT
DEPARTED KWAJALEIN 0505L
RETURNED 1320L
NAVY FLIGHT
DEPARTED KWAJALEIN 0500L
RETURNED 1115L
0400L
0500L
0930L
1115L
1345L
1845L
CJTF-1
AEROLOGY
TRACKS FLOWN BY ARMY AND NAVY
WEATHER RECONNAISSANCE AIRCRAFT
ON ABLE-1 DAY, 30 JUNE 1946.
INDICATES FLIGHT AT
1485 FT. (960 MB.)
INDICATES FLIGHT AT
6068 FT. (750 MB.)
POINTS OF AIRCRAFT
SOUNDINGS (APOBS)


CJTF-1
AEROLOGY
0745 L
0930 L
ARMY FLIGHT
DEPARTED KWAJALEIN 0312 L
RETURNED 1200 L
0745 L
0930 L
1215 L
NAVY FLIGHT
DEPARTED KWAJALEIN 0401 L
RETURNED 1310 L
ARMY FLIGHT
DEPARTED KWAJALEIN 0400 L
RETURNED 1313 L
0645 L
0730 L
NAVY FLIGHT
DEPARTED KWAJALEIN
0606 L. RETURNED 1428 L
0815 L
TRACKS FLOWN BY ARMY AND NAVY WEATHER RECONNAISSANCE AIRCRAFT ON BAKER-1 DAY, 24 JULY 1946
INDICATES FLIGHT AT 1486 FT. (960 MB)
INDICATES FLIGHT AT 8088 FT. (750 MB)
POINTS OF AIRCRAFT SOUNDINGS (APOBS)

2. Details of Aircraft Weather Reports:

Symbol	Meaning
Q	Globe octant: 2—Northern Hemisphere from 90E to 180. 7—Southern Hemisphere from 90E to 180.
LLL	Latitude degrees and tenths.
lll	Longitude degrees and tenths.
Time (local)	Time is —11 zone time in hours and minutes.
hhh	Altitude in thousands of feet above sea level.
f	Flight conditions: 0—Contact flight at all levels. 1—Contact flight below clouds. 2—On top (above clouds). 3—Between layers not on instruments. 4—Between layers on instruments. 5—Avoiding clouds. 6—In and out of clouds, on instruments 25 percent of time. 7—In and out of clouds, on instruments 50 percent of time. 8—In and out of clouds, on instruments 75 percent of time. 9—Continuous instrument flight in clouds.
V	Horizontal visibility: 0—Under 50 yards. 1—Under 200 yards. 2—Under 500 yards. 4—Under 1 nautical mile. 5—Under 2 nautical miles. 6—Under 5 nautical miles. 7—Under 10 nautical miles. 8—Under 30 nautical miles. 9—30 nautical miles or over.
w	Present weather, past weather: 0—Clear (no cloud). 1—Partly cloudy. 2—Continuous layer(s) of cloud. 3—Sand storm, duststorm, storm of drifting snow. 4—Fog or thick dust haze. 5—Drizzle. 6—Rain. 7—Snow. 8—Showers. 9—Thunderstorm.
m	Remarks on phenomena reported on by w: 0—No remarks. 1—Light (Intermittent.) 2—Moderate (Intermittent.) 3—Heavy (Intermittent.) 4—Light (Continuous.) 5—Moderate (Continuous.) 6—Heavy (Continuous.) 7—With rain. 8—With snow. 9—With hail.
B	Turbulence. 0—None. 1—Light intermittent. 2—Light continuous. 3—Moderate intermittent. 4—Moderate continuous. 5—Severe intermittent. 6—Severe continuous.
W	Past weather: (See table for present weather.)
M	Remarks on phenomena reported on by W: (See table for "m.")
d_w	How wind determined: 0—Estimation. 1—Not used. 2—Not used. 3—Wind lane and single drift. 4—Celestial fixes. 5—Radio fixes. 6—Loran. 7—Multiple drift or reciprocal course and ground fixes. 8—Visual fixes. 9—Radar, or air position indicator with wind finding attachment and ground fix.

Symbol	Meaning
dd	Wind direction in tens of degrees. Add 50 for speeds over 99 knots.
vv	Wind speed in knots.
l	Indicator.
k	Number of cloud layers reported.
N_1 N_2 N_3	Cloud amount in layers (ascending order).
C	Cloud type: 1—Cirrus. 2—Cirrostratus. 3—Cirrocumulus. 4—Altostratus. 5—Altostratus (thin). 6—Stratocumulus. 7—Nimbostratus or altostratus. 8—Cumulus or fractocumulus. 9—Cumulonimbus. 0—Stratus or fractostratus.
hh	Height of base: 00—Zero or less than 50 feet. 01—100 feet. 02—200 feet. 03—300 feet, etc. 50—5,000 feet. 51—5,100 feet. 52—5,200 feet. 53—5,300 feet. 54—5,400 feet. 55—5,500 feet. 56—6,000 feet. 57—7,000 feet. 58—8,000 feet, etc. 60—10,000 feet. 92—48,000 feet. 99—Unknown.
HH	Height of top: Use same code table as above.
2	Indicator.
TT	Temperature °C. Add 50 for minus values.
UU	Relative humidity percent.
4	Indicator.

Symbol	Meaning
W_s	Significant weather changes: 0—No change. 1—Marked wind shift. 2—Beginning or end of marked turbulence. 3—Marked temperature change (not with altitude). 4—Precipitation begins or ends. 5—Change in cloud bank forms. 6—Fog bank begins or ends. 7—Warm front. 8—Cold front. 9—Front, type not specified.
g_w	Time of W_s: 0—No report. 1—10 minutes before reaching the position LLL, 111. 2—20 minutes before reaching the position LLL, 111. 3—30 minutes before reaching the position LLL, 111. 4—40 minutes before reaching the position LLL, 111. 5—50 minutes before reaching the position LLL, 111. 6—1 hour or more before reaching the position LLL, 111.
w_a	Weather off course: 0—No report. 1—Signs of hurricane. 2—Ugly, threatening sky. 3—Duststorm or sandstorm. 4—Fog. 5—Waterspout. 6—Cs cloud shield or bank. 7—As or Ac cloud shield or bank. 8—Line heavy cumulus. 9—Cumulonimbus heads or thunderstorm.

Symbol	Meaning
D_w	Bearing of W_c from aircraft: 0—Calm. 1—Northeast. 2—East. 3—Southeast. 4—South. 5—Southwest. 6—West. 7—Northwest. 8—North. 9—All directions, no definite directions, or unknown.
5	Indicator.
j	Index pertaining to PPP: 0—Surface pressure in whole millibars (thousands figure omitted), or height of 1,000-millibar surface, tens of feet above MSL. 8—True height (radio altimeter or other method) minus height indicated by pressure altimeter set at 1,013 millibars, tens of feet. Thousand or ten thousands figure is omitted.
PPP	Pressure data, whole millibars.
6	Indicator.
D	Direction of surface wind: (Table same as for D_w)
F	Force of surface wind: 0—Less than 1 knot. 1—1–3 knots. 2—4–6 knots. 3—7–10 knots. 4—11–16 knots. 5—17–21 knots. 6—22–27 knots. 7—28–33 knots. 8—34–40 knots. 9—41–47 knots.
S	State of sea: 0—Calm (glassy). 1—Smooth (rippled). 2—Slight (wavelets). 3—Moderate. 4—Rough. 5—Very rough. 6—High. 7—Very high. 8—Precipitous. 9—Confused.
D_z	Direction of swell: (Table same as for D_w).
7	Indicator.
$d_v d_r$	Bearing of disturbance in tens of degrees.
S_w	Distance of disturbance tens of miles (0 equals 100 miles or more).
A	Area of disturbance: (Area in square miles.) 1—0 to 10. 2—11 to 30. 3—31 to 60. 4—61 to 100. 5—101 to 500. 6—501 to 1,000. 7—1,001 to 5,000. 8—5,001 to 10,000. 9—Greater than 10,000.
9	Indicator
C	Cloud type: (See table already given.)
n	Amount of cloud: (See table already given.)
D_c	Bearing of cloud formation from aircraft: (See table for D_w.)
0_r	Orientation of leading edge of cloud: 0—No observation. 1—NNE-SSW. 2—NE-SW. 3—ENE-WSW. 4—E-W. 5—ESE-WNW. 6—SE-NW. 7—SSE-NNW. 8—S-N. 9—Uncertain.

AIRCRAFT WEATHER REPORTS 1 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_d$ V	wwSHH	d_w ddvv	$1sn_1n_2n_3$	$1sn_1n_2n_3$	ChhNN	ChhNN	ChhNN	ChhNN	BTTHH	$4ff_0f_1f_2f_w$	EJPPP	GGFSDs	$T6_1c_1s_1s_2A$	$8Ca_0a_0$
ARMY																	
2096	673	0400	01590	64464		11000		89999				22500		58521			
2101	668	0415	01507	10085		11200		81520									
2108	663	0430	01507	81281		12320		81535	59999			22488		58520			
2113	659	0445	01507	10281	00802	11300		81835									
2116	654	0500	01507	10210		12270		81825	59999			22489		58515			
2116	654	0515	08129	10010		13363		82030	55758	18099		21240		58017	69939		
2114	664	0530	08129	10181	71108	14231		81857	82025	55757	18099	21150		58012	69939		
2111	679	0600	08129	10110	31108	14322	14500	81860	82025	55757	25099	21348		58027	69939		
2109	695	0630	08149	10383	70912	14342	14300	81859	55757	46565	18099	21300		58024	62449		
2106	710	0700	08138	10181	70913	13329		81825	55757	76299		21296		58026	62449		
2104	725	0730	08138	10110	70913	13125		82025	56060	46868		21383		58029	62449		
2103	739	0800	08138	10110	70922	13226		82030	55656	46599		21368		58022	62449		
2102	753	0830	08139	10110	70923	13124		82030	55656	18099		21462		58026	61449		
2101	767	0900	08139	10010	71410	13322		82057	55656	18099		21450		58025	61339		
2100	780	0930	08139	10010	72307	13211		81562	82025	55656		21372		58022	61339		
2091	769	1000	01516	10210	70828	12520		81850	18099			22386		58520	61449		
2078	758	1030	01516	10210	70920	12300		81850	27099			22490		58525	61449		
2065	746	1100	01516	81281	70821	13120		81840	55656	27099		22595	49100	58528	62339		
2053	736	1130	01585	64281	71113	12400		80918	79999			22400		58525	63339		
2041	726	1200	01586	83464	70821	13670		80935	75858	27099		22500		58521	61349		
2031	716	1230	01519	10010	71007	12430		82056	18099			22678	49200	58529	69929		
2019	706	1300	01519	10010	71808	12340		82040	18099			22678		58529	69929		
2021	697	1330	08169	81385	70806	13234		91562	82035	17099		21465	49100	58019	69929		
2037	691	1400	08175	83589	71007	13470		91070	82057	18099		21300	40185	58021	69929		
2055	683	1430	08190	89689	60905	11000		89999				21200		58023			
2072	682	1500	01513	64283	71335	12300		80916	79999			22300		58027	63699		
NAVY																	
2072	677	0645	01577	20164	70819	14257	14400	80899	81020	75860	19999	22487		50007	62522	72722	
2057	677	0915	01515	60120	00812	14900	14100	80899	80620	75860	19999	22196		50007	62422		
2046	677	0945	01585	65262	71816	13799		81020	75860	19999		22100		50007	64422		
2034	677	1015	01584	62262	02015	14448	14900	81025	80680	75860	19999	22110		50007	65529		
2023	675	1045	01517	20062	71914	14223	14800	81020	80710	55960	19999	22584		50006	64429		
2010	673	1115	01518	10020	01810	13214		81420	81460	19999		22587		50006	64319		
7002	670	1145	01509	10010	71910	12240		81860	19999			22584		50005	64319		
7000	665	1215	01509	10010	01908	12270		81860	19999			22585		50006	64219		
2012	658	1245	01528	20110	62008	12670		81560	19999			22487		50006	65219		
2023	650	1115	01527	20020	63109	13837		81065	75860	19999		22488		50006	67319		
2039	644	1145	01591	66220	72820	11000		80599				22100		50006	66329		
2044	637	1215	01565	20165	02807	14727	14000	80517	80570	75860	19999	22492		50006	66319		
2055	633	1245	01518	20020		13220		81525	56060	19999		22296		50006	66219		
2069	638	1315	01516	51120	00110	12300		81018	75860			22229		50006	61311		
2081	643	1345	01582	65554	01010	13850		80530	80562	75699		22110		50006	63311		
2094	637	1415	01572	65265	00727	12800		80535	75800			22100		50006	61631		
2106	650	1445	01572	64265	70926	13660		80556	80570	77979		22200		50006	62632		
2112	657	1515	01516	20164	70917	14338	14000	81635	81659	75962	19999	22490		50006	62422		
2101	665	1545	01582	65220	01222	12600		80599	75899			22100		50006	63422		

AIRCRAFT WEATHER REPORTS — 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	vvBVH	d_w dvvv	$1sn_1n_2n_3$	$1sn_1n_2n_3$	CbHH	CbHH	CbHH	CbHH	8TTBV	$4n_0n_1n_2n_3$	BJPPP	8BF58k	$7n_4n_5n_6$	$9Cn_8n_7$
ARMY																	
2087	689	0430	09948	20020	00918	13427		81850	81562	46263		21185					
2087	711	0500	08349	20020	91319	15322	15110	81535	81562	65657	46263*	21484	40088	58005			
2087	726	0530	08208	20120	70912	14231	14100	81535	81557	46263	17576	21447		58002			
2087	743	0600	08208	20020	71018	14241	14200	81539	66657	46263	17576	21556		58013		71351	
2087	759	0630	08109	10010	70813	12330		82540	17475			21453			69959		
2087	775	0700	08108	10010	71018	12330		82540	17475			21538			69959		
2087	790	0730	08249	10010	71012	13263		89959	69956	17475		21475		58020	69959		
2087	800	0800	09905	10010	71010	14212	14200	82027	82055	63045	17475	21130			69959		
2076	776	0830	01418	10210	70521	13321		81840	66657	29999				58510	69952		
2065	755	0900	01417	20281	70517	13322		81840	66657	29999		22495		58513	69952		
2058	741	0930	01407	10110	70617	13331		81850	56263	39999		22585		58519	69932		
2051	726	1000	01417	10110	70620	12420		81830	27576			22494		58519	69932		
2050	709	1030	08309	10010	70817	13221		81825	81857	56162		21568		58027	69939		
2050	692	1100	08129	20020	70924	13421		82556	92565	46162		21492			69939		
2053	677	1130	08009	10010	70824	14311	14100	82555	92572	05757	56263	21485			69939		
2051	659	1200	08009	10010	70823	13312		82040	56263	27374		21485			69932		
2056	655	1230	01409	10210	70725	12210		81828	17374						63141		
2067	662	1300	01409	10210	70720	13210		81824	46161	19999		22592			69941		
2077	670	1330	01409	10210	70821	13313		81824	81859	19999		22494			69941		
NAVY																	
2076	677	0715	01508	10010	70618	12470		81725	45859			22383		50011	61511		
2061	675	0745	01518	20010	00609	12280		81723	45859			22773		50009	61511		
2045	674	0815	01718	20020	70415	12570		81730	45859			22391		50009	61511		
2033	673	0845	01718	10120	00605	13741		81750	45859	17059		22777		50009	61211		
2017	672	0915	01608	20110	00410	13217		81730	45859	17099		22392		50011	61111		
2001	670	0945	01508	10110	06704	13513	13700	81745	91763	45859	27099	22779	41100	50909	61111		
7003	668	1015	01608	20010	70810	13139		81758	45859		27099	22479		50011	67111		
2008	660	1045	01608	20120	00000	13170		81759	45859		27099	22778		50009	60009		
2021	651	1115	01508	20020	00000	13137		81730	45859		27099	22567		50010	60009		
2033	643	1145	01518	20181	00804	12580		81825	26899			22878		50008	62111		
2045	635	1215	01508	20120	09005	13538		81830	45959		26899	22488		50010	62211		
2056	632	1245	01518	20120	00507	13447		81830	45959		26999	22878		50009	61321		
2069	635	1315	01517	20181	70820	12670		81730	45959			22490		50010	62211		
2082	640	1345	01517	20120	00618	12570		81735	45859			22878		50009	61521		
2094	645	1415	01507	10020	70919	12540		81730	45859			22485		50010	61521		
2107	649	1445	01507	10110	00623	13446		81735	45960		27099	22777		50009	61631		
2114	655	1515	01507	20110	70822	13320		81735	45960		27099	22490		50011	62531		
2103	664	1545	01107	20110	00922	12400		81735	27099			22878		50009	62631		
2094	671	1615	01107	20110	20820	13430		81735	45960		27099	22584		50009	62521		

* 5th CLOUD LAYER 17374

AIRCRAFT WEATHER REPORTS 3 JUNE 1946

ΦLLL	III	TIME (LOCAL)	hhhf$_c$ f	wwNNN	^{d}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_1$H$_2$H$_3$	ChNNN	ChNNN	ChNNN	ChNNN	hTTTN	dH$_c$H$_w$H$_s$H$_w$	SJPPP	GGFSSt	7H$_s$d$_s$H$_s$A	8ChH$_s$H$_w$
2102	665	0415	01406	10110	31122	11500		81525				22585		58511			
2109	660	0430	01406	10210		11300		81525									
2114	655	0445	01405	10210	01118	11400		81546				22487		58509			
2116	655	0515	08109	10010		12230		81540	81556								
2114	664	0530	08109	10010	70613	13223		81590	81556	65656		21643		58021	60921		
2111	678	0600	08109	10010	70913	13223		81590	81556	19999		21532		58026	60921		
2109	693	0630	08109	10010	71108	13222		81535	81556	19999		21440		58024	60929		
2106	707	0700	08109	10010	71018	12320		81530	19999			21535		58018	60929		
2103	721	0730	08109	10010	71020	12320		81530	19999			21557		58026	60929		
2100	734	0800	08129	11010	71020	14171	14100	81556	65556	99960	19999	21669		58023			
2097	747	0830	08109	10110	71119	15152	15110	81530	65656	81558	99962#	21573		58028	62919		
2094	761	0900	08109	10110	71215	14213	14100	81530	05052	82058	19999	21573		58027	62929		
2092	775	0930	08109	10110	71114	13213		81530	05052	46465		21673		58023	61919		
2089	791	1000	08109	10811	71115	15123	15110	81545	05052	65959	46364#	21571		58028	62219		
2087	799	1015	08119	10181	71117	14542	14800	81545	99962	46364	19999	21491		58025	62219		
2081	786	1045	01508	10210	70715	13426		81530	82059	19999		22593		58508	62222		
2077	779	1110	01508	10281		13428		81530	82059	29999							
2071	765	1130	01570	64289	70916	12820		81499	90599			22100	40089	58511		70604	
2063	749	1200	01560	63265	71014	13535		81540	81559	19999		22690	40081	58519	69919		
2055	735	1230	01508	10263	70907	12440		81550	29994			22592		58514	62219		
2050	724	1300	01508	10281	70914	13334		81540	91563	19999		22585		58519	62219		
2050	705	1330	08118	10281	71111	13537		81540	91563	19999		21675		58023	62219		
2050	688	1400	08119	10210	71014	15211	15380	81540	60555	91063	36364#	21668		58019	62119		
2050	671	1430	08129	10281	70916	13515		81555	91562	36499		21757		58018	69919		
2050	653	1500	08129	10110	70916	13634		82056	36399	29999		21739		58017	69919		
2016	658	1530	01517	10210	70615	13738		82035	36399	29999		22691		58515	61211		
2070	664	1600	01517	10210	70615	13518		82035	36399	29999		22589		58518	61211		
2081	677	1530	01518	10110	70615	12200		82035	19999			22590		58517	61211		
NAVY																	
2079	677	0645	01508	10010	00520	12420		82050	17599			22489		56010	62421		
2065	675	0715	01518	10010	60523	13521		82050	45658		17599	22490		58650	62421		
2050	674	0745	01517	10181	00522	13532		82056	76264		17599	22490		56009	62421		
2035	673	0815	01517	10281	70624	13537		82058	75658	76262		22494	49284	58650	61421		
2022	672	0845	01518	10081	00722	14600	14137	81520	82058	76264	75658	22488		56009	62421		
2008	670	0915	01517	10181	70818	13376		82058	75658	76264		22493		58650	62311		
7005	669	0945	01518	10010	01107	13445		82058	45658	76264		22590		56008	62211		
2005	662	1015	01518	10010	71208	13226		82058	45658	76264		22587		58650	63211		
2018	653	1045	01518	10010	00811	13425		82058	45658	76264		22589		56008	62311		
2030	646	1115	01518	10181	70716	13563		82058	46264	17599		22490	49188	58650	62311		
2043	637	1145	01517	20162	00820	13680		82058	75850	76264		22494		56008	62311		
2055	630	1215	01517	20162	70821	13608		82058	75860	76264		22496		58640	62311		
2068	635	1245	01517	10110	00721	12530		82050			17599	22490		56009	61421		
2080	640	1315	01517	10110	70722	12450		82050	17599			22488		58670	61421		
2093	645	1345	01517	10110	00621	12460		82050	17599			22491		56009	61421		
2106	650	1415	01518	10110	70618	12450		82050	17599			22491		58650	61311		
2111	657	1445	06008	10010	00816	12460		82055	17099			21760		56009	61421		
2090	667	1515	06008	10010	70916	12360		82050	17099			21760		58050	61421		

* 5th Cloud ayer 19999
\# 5th Cloud Layer 19999
@ 5th Cloud Layer 29999

AIRCRAFT WEATHER REPORTS 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBWH	^{d}w ddvv	$1k_1k_2k_3$	$1k_1k_2k_3$	ChhNH	ChhNH	ChhNH	ChhNH	STTHH	$4k_1k_2k_3k_4$	SJPPP	88788h	$7k_1k_2k_3k_4$	$88nk_0k_p$
2099	669	0400	01517	10181	90518	12200		82025	18099			22491		58017			
2104	664	0415	01517	10210		12120		82025	18099			22400		58018			
2109	660	0430	01517	81283		12130		81830	18099								
2115	654	0445	10281	90815		11300		81830				22788		58018			
2115	654	0500	08109	10010	91418	13131		81862	81850	17099		21115		58039			
2113	668	0530	08129	10010	31435	13323		81862	81850	55757		21384	60058	58021			
2110	683	0600	08129	10010	91414	15233	15210	81865	81835	55757	46363*	21390		58026	62789		
2106	699	0630	08129	10010	71018	14221	14200	81862	81830	55757	XXXXX	21386		58027	62359		
2103	714	0700	08129	10010	70715	14213	14100	81862	81825	46262	18099	21395		58024	62349		
2101	727	0730	08109	10083	70931	14112	14300	81862	81825	46262	18099	21485		58030	62349		
2098	741	0800	08109	10010	71019	15111	15320	81863	81825	55757	46262#	21473		58020	62359		
2095	755	0830	08109	10010	20917	14214	14200	91861	81825	55757	18099	21473		58025	62349		
2092	763	0900	08109	10010	71020	13112		91865	81825	46262		21473		58028	62349		
2077	765	1000	01518	10610	71013	13121		91562	81525	18099		22490		58515	62349		
2066	748	1030	01518	10210	71207	13121		91865	81540	18099		22490		58520	69929		
2057	736	1100	01567	10283	71204	13328		81025	56262	27599		22495		58523	69929		
2048	723	1130	01508	10210	71506	13126		81225	56262	27599		22475		58528	69929		
2038	711	1200	01508	10210	71811		91265	91265	81545	56060		22580		58520	69929		
2030	700	1230	01509	10210	31810	13123		91265	81545	18099		22580		58523	69929		
2047	693	1300	08129	10010	72825	13121		91265	81545	56262		21477		50811	69929		
2036	687	1330	08109	10081	72721	13121		91262	81540	18099		21475		58016	69939		
2079	681	1400	08109	10081	73003	13124		91262	81540	18099		21482		58013	69939		
NAVY																	
2071	675	0715	01517	10181	71116	13734		81557	63540	45859		22396		58045	62428		
2058	674	0745	01508	10010	01110	14322	14300	81558	81558	45959	26859	22780		50007	62311		
2046	673	0815	01508	10010	71313	14325	14600	81520	81558	45945	26970	22480		58045	63311		
2033	672	0845	01508	10010	61110	13311	14700	81545	81560	45959	27099	22591		58046	63311		
2021	670	0915	01508	20010	01207	12570		81556	27099			22492		58046	63211		
2029	660	0945	01508	20020	01305	13318		81556	81561		27099	22877		50006	63211		
2038	650	1015	01508	10081	01206	13416		81559	45959		17099	22585		58047	63311		
2045	638	1045	01308	10010	01205	13316		81545	81562	46161		22587		58045	62211		
3053	630	1115	01517	10010	00907	12576		81556	46061			22875		50007	62211		
3065	635	1145	01508	10181	71207	13511		81557	91563	46060		22493		50046	62321		
3076	639	1215	01517	10182	70612	13416		81558	91563		26799	22497		58095	62321		
3088	644	1245	01518	10110	60610	13423		81555	81560		26899	22590		58096	61421		
3099	648	1315	01518	10281	70614	13333		81555	81560		27099	22887		58045	61321		
3111	653	1345	01518	10282	00612	13435		81560	45859		27099	22488		58046	61321		

* 5th Cloud Layer 18099
\# 5th Cloud Layer 18099

AIRCRAFT WEATHER REPORTS 5 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	vvBNN	d_w ddvv	$1k_1k_2k_3$	$1k_1k_2k_3$	CbNNN	CbNNN	CbNNN	CbNNN	2TTTD	$4N_aS_aN_cS_c$	5JPPP	6RF59k	$7s_pd_ps_pA$	$8Cm8_p8_r$
2097	669	0615	01390	82282	80908	12520		81599	91099			22280		58511			
2103	665	0430	01365	81281		12410		81599	91099								
2109	660	0445	01365	81291		12510		81599	91099			22594		58512			
2116	654	0500	01406	10281	90916	13522		81525	64599	19999		22495		58510			
2116	654	0530	10329	10081	90917	13453		81545	65058	19999		21274		58031			
2117	670	0600	08209	10010	70817	12430		81530	19999			21665		58026			
2117	685	0630	08509	10010	70617	12420		81540	19999			21549		58032			
2118	700	0700	08509	10010	70517	12310		81545	19999			21567		58029			
2119	714	0730	08509	10010	70424	12310		81545	19999			21640		58030			
2119	729	0800	08409	10010	70412	12210		81545	19999			21737		58026			
2119	745	0830	08409	10010	70410	12310		81550	19999			21734		58032			
2120	760	0900	01508	10010	70811	12320		81556	19999			21733		58032	69919		
2108	747	0930	01509	10210	71015	12320		82050	19999			22481		58507	62111		
2097	735	1000	01308	10110	70914	12320		82050	19999			22578		58511	62111		
2087	723	1030	01408	10110	70816	12340		82050	19999			22480	45100	58515	62121		
2078	713	1100	01317	10161	70912	13384		81550	65099	29999		22493	45100	58515	62121		
2067	702	1130	01465	81281	70815	13729		81050	91099	65058		22300	40084	58514	62222		
2067	691	1200	08568	82382	70917	13420		81050	91064	76499		21576		58023	62222		
2081	681	1230	08318	10281	70919	14224	14000	81540	91560	76564	29999	21680		58021	69922		
NAVY																	
2085	665	845	01517	61220	00908	12770		81530	46099			22300		50011	62323		
2083	653	915	01567	20261	00810	12770		81040	46099			22395		58002	62323		
2080	640	945	01517	20261	91116	12760		81550	56099			22482		50011	62329		
2077	625	1015	01467	61261	71115	12770		81450	56099			22300		58502	63439		
2073	605	1045	01567	61261	01110	12780		81250	56099			22300		50011	63329		
2070	594	1115	01365	61261	01108	12770		81050	56099			22300		58001	63329		
2068	583	1215	08035	20261	01110	12570		81060	56199			20900		58006	63329		
2087	588	1245	08061	61261	01110	12580		81058	56199			21200		58002	63329		
2100	529	1315	08037	20261	01110	13787		81595	56162	17599		21383			63329		
2113	576	1345	08067	61361	01112	12680		81558	56162			21000			63329		
2126	614	1445	01417	20261	00814	12640		81058	56162			22483		58506	62431		
2123	628	1515	01217	20220	70812	12450		81040	56162			22487		58506	62431		
2119	641	1545	01517	10210	00712	12440		81040	56162			22485		50009	62321		
2117	653	1615	01417	10210	00712	12440		81040	56061			22485		58501	62321		

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBWW	^{d}w ddvv	1sN$_1$N$_2$N$_3$	1sh$_1$N$_2$N$_3$	CbHHH	CbHHH	CbHHH	CbHHH	2TTHH	4N$_h$C$_L$N$_C$C$_M$	5j PPP	6RRSSk	7w$_1$d$_w$P$_w$P$_w$A	8ChC$_h$C$_T$
2095	671	0400	01409	10010	90616	11200		81825				22490		58520			
2102	666	0415	01509	10010	09999	11200		81823									
2107	662	0430	01509	10010	09999	11300		81825				22485		58523			
2116	655	0500	01509	10010	70820	12210		81525	19999			22378		58513			
2116	655	0530	09909	10010	70818	12210		82530	19999			21135				70818	
2117	670	0600	08109	10010	70806	12310		82545	19999			21533		58016	69932		
2118	686	0630	08209	10010	71[illegible]	13221		83057	65665	19999		21428		58019	69932		
2118	702	0700	08209	10010	71	13211		83057	65656	19999		21541		58019	69922		
2119	717	0730	08209	10010	71546	13111		83057	32535	19999		21538		58023	69922		
2119	730	0800	08209	20010	71523	13113		82540	83059	65056		21537		58020	69932		
2119	745	0830	08129	20120	01525	13251		89958	65557	29999		21478		58020	69933		
2120	760	0900	09909	10120	71522	13521		89958	65557	19999		21156			69933		
2105	749	0915	01507	10010	70818	13221		81820	82057	19999		22482		58522	69933		
2095	740	1000	01506	10281	70720	13311		81529	81527	19999		22494		58523	69953		
2082	730	1030	01416	20281	70720	14312	14200	81530	81558	65656	19999	22494	45200	58526	69933		
2069	720	1100	01416	20281	70713	13322		81563	81540	29999		22494	49200	58526	69933	72401	
2057	711	1130	01516	81281	70717	14422	14200	81540	81562	76263	29999	22586		58514	69923		
2044	703	1200	01416	20281	70310	13428		01518	81562	76299		22490		58533	69932		
2030	690	1230	09919	10084	09999	13225		61525	81562	76299		21268	49100		69919		
2049	687	1300	08190	64464	09999	11000		99999				21200	44200	58502			
2064	683	1330	08118	20064	70919	14121	14600	81525	91568	46263	29999	21590	49200	58015	69939		
2081	680	1400	08114	10020	70814	12110		81518	29999			21538		58021	69929		
NAVY																	
2078	675	0645	01567	81181	00617	13678		81856	75658	76062		22393	49184		61531		
2063	670	0715	01518	20081	60615	14238	14700	81825	82058	75658	76062	22493			61421		
2049	666	0745	01518	20161	00714	13470		82058	75360	76264		22489			62421		
2036	661	0815	01518	10010	60614	13368		82058	75860	76264		22486			62311		
2022	657	0845	01518	10110	00710	12450		82058	76264			22491			62211		
2008	652	0915	01518	10162	60708	12430		82058	76264			22490			60001		
2009	648	0945	08128	10010	00610	12330		82058	76264			21570			60001		
2022	643	1015	08128	10081	60612	13524		82058	75658	76264		21475			60001		
2038	638	1048	01578	65261	00715	14336	14000	81822	82060	75658	76264	22396	49288		62311		
2051	631	1195	01518	10162	00717	13460		80260	75658	76264		22491			62391		
2063	634	1145	01518	10181	00715	13438		80260	76558	76264		22493			62421		
2075	638	1215	01518	10162	70717	13428		80260	75658	76264		22490			62531		
2089	644	1245	01518	10010	00515	12434		82050	76264			22490			61531		
2102	649	1315	01518	10110	70618	12420		82050	76264			22488			61531		
2115	654	1345	08118	10010	00620	13326		82040	76264	17599		21425			61531		
2102	664	1415	08118	10010	70618	13315		82040	76264	17599		21428			61531		

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	d_w dvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNH	ChhNH	ChhNH	ChhNH	2TTBU	4N$_8$s$_w$N$_c$s$_w$	5JPPP	6DFSDk	7d$_c$d$_c$s$_w$A	9Cns$_c$s$_r$
2096	670	0400	01206	10010	80810	11400		82235				22590					
2103	665	0415	01306	10081		11500		82040									
2109	660	0430	01206	10101		11500		82045				22584					
2116	654	0445	01406	10210	307	12500		82040	19999			22584					
2116	655	0515	10509	10010	90718	11600		82245				21515					
2117	664	0530	08428	10110	71112	12520		82256	65055			21543					
2117	679	0600	08429	10110	71212	12620		82545	82258			21458					
2118	695	0630	08429	10110	71013	13521		82545	82258	99961		21666					
2118	711	0700	08529	10010	71116	14521	14200	82245	65566	82560	19999	21678			61929		
2118	727	0730	08529	10210	71019	14361	14100	82245	65506	82560	19999	21654			69929		
2119	744	0800	08509	10310	70915	14321	14200	82245	65566	82560	19999	21648			62929		
2120	760	0830	08509	10110	70813	13242		82245	65566	19999		21639			62922		
2101	745	0900	01408	10210	70816	14321	14100	82030	82057	91561	19999	22585			67922		
2089	735	0930	01416	81281	70917	12810		81755	91062			22495			62922	70315	
2077	726	1000	01318	81281	70916	12620		81740	82058			22591			62912		
2065	717	1030	01308	10210	71014	13622		81740	65050	29999		22591			62919	72114	
2053	708	1100	01317	81281	71113	13628		81740	91099	29999		22594	49303		62919		
2042	699	1130	01480	83383	71423	11000		81399				22300			63939		
2030	690	1200	01380	64364	71323	11000		81399				22396			63939		
2048	686	1230	08390	64364	71018	12400		81320	76299			21100					
2062	682	1300	08590	65364	70812	13300		81058	91099	76499		21100					
2078	679	1330	08519	10110	71207	13323		82050	91062	76400		21445	49309		69919		
NAVY																	
2085	663	0715	0148	10181	71015	14323	14400	81645	81658	64750	17099	22482			61322		
2083	648	0745	01508	10110	30814	12460		81830	17099			22484			62322		
2080	635	0815	01608	10110	70813	12360		81845	17099			22486			62322		
2077	619	0845	01508	10110	30813	13216		81840	45960	17099		22484			62422		
2073	606	0915	01608	10110	70811	13418		81850	45960	17099		22484			61422		
2073	585	1015	08208	10010	00615	13347		81845	46263	17299		21460			61422		
2088	591	1045	08008	10010	00817	12370		81845	17299			21522			62422		
2100	600	1115	09108	10010	72613	12480		81840	17299			21504			62422		
2111	606	1145	09208	10010	02512	12280		81830	17299			21603			61422		
2125	613	1215	09008	10010	02612	12450		81830	17299			21699			61422		
2126	638	1345	01508	10110	30713	12410		81757	17299			22384			62422		
2118	650	1415	01518	64310	30713	12490		81755	75799			22200	45167		62422		
2104	663	1515	06368	10181		13544		81759	69958	27099					62322		

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	^{d}w ddvv	$1sN_1E_2E_3$	$1sE_1E_2E_3$	CbNNN	CbNNN	CbNNN	CbNNN	2TTNN	$4W_2P_wW_cP_w$	5JPPP	6BFS8s	$7V_sd_sP_sA$	$8Cb_0e_r$
2097	671	0415	01577	81264	09999	11500		81035				22496					
2102	668	0430	01577	81283	90918	11400		81645									
2107	662	0445	01580	81283	09999	12620		80240	80257								
2116	655	0515	01580	64281	90721	12830		89999	76264			22397					
2116	655	0530	08180	81183	91614	13639		89956	89962	76299		21200					
2117	663	0600	08147	20181	71220	13630		82056	89962	76299		21000			69932		
2111	675	0630	08238	20183	91118	13327		83045	99962	56263		21376			69932		
2112	691	0700	08208	10120	71117	13212		83040	83056	26868		21443			69932		
2114	703	0730	08108	10110	71014	12310		83050	27273			21457			69932		
2114	718	0800	08208	10110	71107	12210		83050	17474			21263			69932		
2114	735	0830	08409	10010	72103	12210		83040	17575			21251			69932		
2114	750	0900	08209	10010	71212	12310		83040	17575			21239			69932		
2116	765	0930	08209	10010	71316	12310		82545	17575			21275			69933		
2118	781	1000	08209	10010	71513	13311		82556	82558	17474		21285			69932		
2120	797	1030	08109	10010	71410	12310		82540	17575			21366			69932		
2113	785	1100	01415	81210	70522	13422		81550	81558	19999		22492			69933		
2103	771	1130	01516	10220	70519	12330		81525	19999			22395			69933		
2094	757	1200	01516	10210	70525	12410		81540	19999			22489			69933		
2087	744	1230	01516	62262	70617	13732		81550	65657	19999		22394			69933		
2080	729	1300	01518	10281	09999	12320		81550	29999			22494			69933		
2072	711	1330	01519	10281	90618	13212		81550	04045	29999		22393			69921		
2065	702	1400	01519	10210	77013	13212		91565	81540	29999		22485			69919		
2063	695	1415	08169	20310	09999	13521		91599	81540	65799		21400	40088				
2076	685	1445	08319	20393	70719	15222	15140	81540	91571	45659	07757*	21496	40088		69919		
NAVY																	
2075	658	0745	01518	20020	01013	13280		81840	75860	76264		22488			62311		
2068	645	0815	01518	10110	61215	13348		81850	75860	76264		22490			62211		
2054	633	0845	01518	10181	01010	13364		81856	76264	17599		22491			62211		
2053	621	0915	01518	10010	61008	13365		81856	46264	17599		22488			62211		
2045	608	0945	01518	20010	01208	13280		81850	75860	76264		22488	49187		63211		
2045	600	1015	01518	20181	61506	13290		81850	75860	76264		22490			63211		
2057	600	1045	01518	64164	01509	13290		81850	75658	76264		22494			63211		
2071	600	1115	01518	10010	61310	13378		81850	75658	76264		22491			63311		
2083	598	1145	08138	20020	01725	13320		61830	82056	76264		21568			63211		
2103	599	1215	08138	20061	61728	13330		61830	82056	76264		21569			63211		
2122	599	1245	01517	10281	00625	13348		82050	75658	76264		22493			62531		
2133	599	1315	01517	10210	60628	13348		82056	75658	76264		22491			62531		
2137	606	1345	01518	10110	00718	13382		82056	76264	17599		22490			62531		
2132	618	1415	01518	10110	60815	13373		82056	76264	17599		22488			61531		
2126	631	1445	01518	10210	00617	13484		82056	76264	17599		22490			61421		
2120	643	1515	01518	10210	60614	13474		82056	76264	17599		22490			61421		

* 5th Cloud Layer 19999

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	nnSNH	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	CnhNH	CnhNH	CnhNH	CnhNH	2TTUU	4N$_8$s$_w$N$_c$s$_w$	6IPPP	6DFS0k	7c$_r$d$_r$s$_r$s$_A$	9Cas$_0$s$_r$
2095	671	0345	01517	81183	91017	11300		81835				22492					
2102	665	0400	01517	10281		11300		81840				22493					
2110	659	0415	01517	10281		11400		81840									
2116	654	0430	01517	10210	90808	11300		81840				22386					
2116	654	0500	08109	10010	90315	13113		81855	81835	50799		21250					
2116	654	0515	08109	10010		13113		81855	81825	50799							
2117	658	0530	08109	10010	90419	13113		81855	81820	40799		21262			62439		
2123	673	0600	08109	10019	70312	13316		81856	55656	27599		21240			62439		
2124	689	0630	08129	20210	70614	12080		59958	17575			21240					
2125	703	0700	08109	10010	70817	12330		81830	18080			21520			62449		
2127	719	0730	08109	10010	71016	13124		81857	81830	18080		21425			62499		
2128	735	0800	08109	10010	71412	13112		81855	81825	18080		21242			62449		
2130	750	0830	08109	10010	71511	13212		81855	81825	18080		21345			62449		
2122	765	0900	01519	10210	70716	11300		82035				22386			62449		
2116	778	0930	01509	10210	70618	11200		82035				22388			62449		
2110	790	1000	01509	10210	70618	11210		82030	18080			22390			62449		
2103	797	1030	01509	10281	70617	12320		81835	18080			22390			62449		
2094	799	1100	08029	10010	70517	13222		81835	54040	18080		21460			62449		
2086	782	1130	08029	10010	70517	14312	14600	91562	81825	57557	18080	21384			62449		
2078	766	1200	08029	10010	71114	13114		91562	81825	18080		21378			62449		
2070	750	1230	01517	10210	70713	13235		91562	81830	18080		22300			62339		
2075	729	1300	01517	10281	70817	12360		81857	28080			22488			62339		
2079	710	1330	01516	10210	70918	12470		81857	28080			22492			62339		
2084	693	1400	01516	10281	70816	13137		91562	81840	18080		22492			62339		
NAVY																	
2082	673	0645	01584	65465	00924	11000		70599				22300			62361		
2071	662	0715	01565	83365	90820	13516		81259	45858	27099		22200	49000		62421		
2062	652	0745	01509	10162	00710	13434		81258	45859	27099		22487		58048	62313		
2052	642	0815	01594	61385	01213	12400		81299	75799			22200	41000	58048	63423		
2042	632	0845	01577	61261	71110	13327		81113	81260	75899		22200	8	58001	63313		
2048	629	0915	01509	10161	01117	13328		81340	45859	27099		22491		58002	63319		
2088	631	1045	01568	10265	70724	14314	14400	81335	91368	45859	21899	22487	49271	58004	62631		
2101	631	1115	01507	10110	00724	14414	14300	81630	81662	45859	17099	22482		58004	62521		
2115	627	1145	01618	10110	00720	11600		81730				22484		58009	62421		
2130	627	1215	01508	10110	70814	12340		81730	17099			22488		58005	62421		
2144	629	1245	01508	10010	00815	12380		81730	17099			22486		58009	62462		
2139	638	1315	01508	10110	00812	12470		81730	17099			22386		58008	62422		
2128	647	1345	01508	10110	71010	12520		81750	17099			22387		58005	62422		
2120	649	1415	01608	10110	71011	12410		81740	17099			22486		58007	62422		
2107	647	1445	01608	10110	01010	12230		81735	27099			22387		58005	62322		
2097	666	1515	01708	10110	01110	12420		81740	27099			22391		58001	62323		

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSHN	^{d}w dvvv	1xN$_1$N$_2$N$_3$	1xN$_1$N$_2$N$_3$	CbHHH	CbHHH	CbHHH	CbHHH	RTTUH	4N$_a$N$_b$N$_c$N$_d$	5jPPP	6DFSDk	7N$_s$d$_s$s$_s$A	8CnD$_s$D$_r$
2097	669	0345	01305	10210	80915	11300		81740				22578					
2103	664	0400	01305	10210		11300		81735									
2110	659	0415	01505	10210		11200		81735				22588					
2116	655	0430	01406	10210	90801	11200		81735				22585					
2117	657	0500	10308	10010	91107	12200		81736	82588			21430					
2119	673	0630	08309	10010	71506	13222		81736	82588	85858		21458			69199		
2121	689	0600	08409	10110	71208	13131		81735	82058	19999		21461			62929		
2125	703	0530	08509	10010	71107	13121		81730	82056	19999		21457			62929		
2127	720	0700	08409	10010	70904	13121		81730	82056	19999		21469			62929		
2128	735	0730	08409	10010	70808	13124		81730	82056	19999		21540			62929		
2130	750	0800	08609	10010	70715	13221		81730	82057	19999		21552			62919		
2123	763	0830	01318	10110	71012	12410		81740	19999			22492			62322		
2118	774	0900	01408	10210	71016	11300		81740				22487			62322		
2111	786	0930	01407	10210	70916	11300		81746				22494			62322		
2105	798	1000	01408	10281	70815	11400		82050				22491			62212		
1099	792	1030	01408	10281	70819	13231		82056	65656	92060		22491	40089		62212		
2091	792	1100	10409	10010	71312	13312		82056	65656	92060		21274			69929		
2081	771	1130	08409	10010	71311	14321	14200	82040	82058	92061	29999	21660			69919		
2074	757	1200	08309	10010	71213	13335		82040	91763	29999		21569			69929		
2073	742	1230	01379	02262	71218	12300		81418	79999			22478	49300		62919		
2077	726	1300	01390	64464	71206	12700		81099	79999			22200			62299		
2079	711	1330	01466	61261	71020	12380		81058	79999			22494			62299		
2083	695	1400	01308	10281	70913	12220		81735	39999			22590	49200		62919		
NAVY																	
2075	665	0645	01574	62220	60622	13503		81025	75759	19999		22100	44174	50009	61521		
2064	654	0715	01574	62262	00618	12400		80828	75860			22100		50009	61521		
2053	645	0745	01576	20162	70916	14523	14500	81028	81560	55960	19999	22200		50009	64201		
2043	635	0815	01567	20120	00912	13535		81458	45960	19999		22390		50009	62311		
2045	630	0845	01517	20120	01012	13674		81559	75961	19999		22100		50009	62219		
2060	633	0915	01517	20120	00818	13583		81630	76061	19999		22390		50009	62422		
2084	632	1015	08318	10020	70914	13246		81820	81867	46060		21359					
2099	632	1045	08309	10010	00914	12420		82035	19999			21359					
2115	634	1115	08309	10010	00916	12420		82035	19999			21504					
2129	633	1145	08309	10010	60922	12320		82535	19999			21506					
2143	634	1215	01508	10110	60916	12320		82035	19999			22386					
2141	639	1245	01508	10110	70916	12320		82035	19999			22391		50010	62422		
2136	640	1315	01508	10110	00916	11300		81835				22392		50011	62422		
2121	653	1345	01508	10110	00916	11300		81535				22386		50010	62422		
2114	661	1415	01508	10110	00916	12310		81735	19999			22385		50010	62422		
2103	666	1445	01508	10110	00914	12330		81735	19999			22384		50009	62422		

AIRCRAFT WEATHER REPORTS

11 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNH	ChhNH	ChhNH	ChhNH	2TTDD	4N$_h$a$_w$N$_c$B$_w$	5)PPP	6DFSDk	7d$_r$d$_r$S$_w$A	9Cn9$_o$9$_r$

NO FLIGHT

AIRCRAFT WEATHER REPORTS

12 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	nnBNN	^{d}n ddvv	1kH$_1$H$_2$H$_3$	1kH$_1$H$_2$H$_3$	ChNNN	ChNNN	ChNNN	ChNNN	8TTNN	4N$_s$s$_s$N$_c$s$_c$	8JPPP	8DFSDk	7P$_o$P$_o$s$_o$s	0Cs$_1$s$_2$r
2097	669	0415	01509	10081	90721	12210		81420	55858			22493					
2103	664	0430	01509	10110	09999	11300		81520				22495					
2109	659	0445	01519	10110	09999	12310		81522	19999								
2116	655	0500	01506	10110	90717	12320		81525	19999			22391					
2116	655	0530	08109	10110	91616	13122		81525	81557	19999		21357					
2117	671	0600	08109	10010	09999	14121	14100	82535	82557	65657	19999	21115			69939		
2120	685	0630	08109	10010	71006	13121		82535	82558	19999		21163			69929		
2123	701	0700	08109	10010	71014	14122	14100	82625	82058	65758	19999	21180			69929		
2125	717	0730	08108	10120	71208	13111		82530	82556	19999		21167			69929		
2127	730	0800	08109	10010	71210	12100		82530				21133			69929		
2129	746	0830	08309	10010	71212	11100		82530				21155			69929		
2124	762	0900	01508	10110	70710	11100		82025				22092			69929		
2118	774	0930	01508	10210	70811	11200		82030				21991			69923		
2111	787	1000	01808	20281	09999	13216		81520	81556	62540		22290			69933		
2105	799	1030	01408	10208	70815	12210		81620	62540			22484			69932		
1100	790	1100	08109	10010	70811	13111		81620	91671	05656		21401			69939		
2090	787	1130	08109	20110	09999	13115		81620	81657	91665		21280					
2081	773	1200	08129	20020	70814	13132		81610	81637	69957		21374					
2075	756	1230	08109	10010	70714	13121		81635	81657	05657		21273			69939		
2072	742	1300	01408	10210	70821	12210		81840	29999			22593			69929		
2077	727	1330	01508	10281	70818	12220		81840	29999			22494			69929		
2080	711	1400	01808	10110	70827	13321		81640	56262	19999					69929		
2083	696	1430	01517	10110	70818	12321		81635	56262			22497			69929		
2085	682	1500	01518	20110	70817	13231		81630	46262	19999		22495			69919		
NAVY																	
2078	668	0645	01818	10081	00618	13263		82058	75860	76261		22592		56010	61421		
2067	657	0715	01867	62181	70815	13693		81658	75860	76264		22396		58506	62311		
2057	647	0745	01877	62162	00813	13630		81860	75657	75860		22394		56010	62311	72716	
2046	636	0815	01877	63262	70712	13740		81860	75657	75860		22297		58503	62311		
2047	630	0845	01818	10062	00710	13768		81860	75860	76264		22392		56010	62211		
2061	630	0915	01818	20010	70713	13350		81825	82060	75860		22389		58503	62211		
2074	630	0945	01818	20061	00812	12300		82060	75860			22290		56010	62211		
2088	630	1015	01818	20061	70714	12300		82060	75860			22293		58500	62211		
2102	630	1045	01818	10010	00814	13446		82060	75860	76264		22391		56011	61311		
2115	630	1115	01818	10010	70816	13486		82058	75860	76261		22390		56500	61311		
2129	628	1145	08128	10010	00513	13432		82058	76264	17599		21351		58023	61311		
2145	629	1215	08128	10110	70410	13334		82056	76264	17599		21352		58054	61311		
2142	636	1245	08128	10010	00411	13334		82058	76264	17599		21355		58038	61421		
2129	645	1315	08128	10010	70512	13421		82058	76264	17599		21352		58039	61421		
2118	654	1345	08128	10010	00710	12490		82058	76261			21359		58038	61421		
2106	663	1415	08128	10010	70811	12490		82058	76264			21365		58037	61421		

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QLLL	III	TIME (LOCAL)	hhhfc V	wwSNN	dw dddv	1sn1s2s3	1sn1s2s3	CbNNN	CbNNN	CbNNN	CbNNN	8TTUU	4N0s0N1cs1	5JPPP	6DFS9k	7d1d2s2s1	8Cs0s0r
2099	668	0400	01518	81181	91218	12320		81540	59999			22400					
2106	661	0415	01518	10281		12420		81545	59999								
2111	659	0430	01518	10281		12320		81545	59999			22390					
2116	654	0445	05518	10281	90506	12330		81545	19999								
2116	654	0500	08128	10010	90510	14221	14600	81758	81740	56060	26868	21173					
2119	666	0530	08128	10010	00510	13228		81758	81740	26969		21267			62339		
2121	683	0600	08129	10010	70406	13218		81756	81735	26969		21173			62399		
2123	698	0630	08109	10010	70506	12240		81740	27070			21168			62359		
2125	715	0700	08109	10010	90412	12230		81740	27070			21140			62399		
2128	733	0730	08109	10010	73510	12110		81725	27070			21140			62399		
2130	750	0800	08109	10010	73012	12110		81710	27070			21315			62399		
2124	762	0830	01509	10210	70610	12220		82035	27070			21290			62399		
2116	778	0900	01509	10110	70710	12210		82030	27070			22285			62399		
2110	795	0930	01509	10110	70712	12120		82030	17070			22388			62399		
1100	790	1000	01509	10110	70611	12340		82035	27070			22388			62399		
2092	794	1030	08109	10010	71106	13224		82035	56060	17070		21462			62399		
2084	779	1100	08109	10010	71100	13212		82025	56060	17070		21442			62349		
2076	761	1130	08109	10010	71108	13214		82050	55757	17070		21453			62349		
2072	744	1200	01517	10010	70713	14212	14600	91299	82035	55757	27070	22387	40589		62399	78111	
2076	727	1230	01508	10285	70714	12210		82030	17070			22490			62399		
2079	712	1300	01508	10010	70810	12310		82045	17070			22490			62399		
2083	696	1330	01508	10100	70711	12320		81525	46565			22492			62399		
NAVY																	
2071	676	0645	01667	20161	00307	14562	14500	81558	75859	45859	27099	22382		58004	61311		
2059	677	0715	01519	20020	70010	14263	14800	81540	45859	75859	27099	22395		58003	68211		
2044	676	0745	01518	20120	00105	15413	15460	81556	81561	45858	55858*	22482		58004	68211		
2030	674	0815	01509	10183	60107	13165		81556	45858	27099		22484		58003	60001		
2023	671	0845	01609	10110	60103	13183		81520	45859	27099		22'89		58003	61111		
2031	661	0915	01518	20110	00904	14134	14400	81520	45859	55858	27099	22381		58003	62211		
2040	656	0945	01519	20120	00903	13183		81520	75859	27099		22471		58045	62211		
2047	638	1015	01609	20120	60303	13318		81535	45859	27099		22475		58005	62211		
2071	637	1115	10037	65261	00708	12300		81540	76162			2XXXX			62321		
2083	641	1145	11038	20165	71209	14323	14900	81535	81560	45959	76263	20886		58130	62421		
2096	646	1215	08338	20162	01209	14324	14600	81550	81568	46060	56262	21358		58070	62421		
2111	651	1245	09438	20120	01209	12480		81540	76263			21068		58050	62421		
2099	667	1330	01018	20120	00810	12480		81540	76263					58040	62421		

* 5th Cloud Layer 27099

AIRCRAFT WEATHER REPORTS 14 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	unBNN	^{d}w ddvv	ikN$_1$N$_2$N$_3$	ikN$_1$N$_c$N$_3$	CaNNN	CaNNN	CaNNN	CaNNN	3TTNN	4N$_0$N$_1$N$_2$N$_3$	5JPPP	6GF59k	7N$_0$d$_1$s$_1$A	8Cm$_0$e$_r$
2091	675	0330	01k19	20120	09999	12260		81525	k6162			22393					
2095	671	0345	01509	10120	90716	13212		81530	81550	k6162							
2102	666	0400	01503	10210	09999	11200		81525				22486					
2108	661	0415	01509	10210	09999	11200		81525									
2116	655	0430	01509	10210	90720	11300		81525				22386					
2116	655	1515	08109	10010	90616	12210		81535	81558			21362					
2118	657	0545	08109	10010	71610	11200		81530				21284			69929		
2118	667	0600	08109	10010	72004	12110		82030	82056			21368			69929		
2110	684	0630	08109	10010	72300	12110		82030	82050			21441			69929		
2112	699	0700	08209	10010	09999	12210		82030	82056			21342			69929		
2127	714	0730	08009	10010	72608	11100		83035				21441			69923		
2126	730	0800	08109	10010	72616	12110		82040	82056			21420			69923		
2124	745	0830	08309	10010	73308	11100		82040				21339			69922		
2126	759	0900	01k09	10220	70710	11100		82023				22382			62222		
2119	772	0930	01609	10210	70609	11100		82025				22285			62222		
2112	785	1000	01509	10210	70712	11100		82022				22389			62222		
2105	798	1030	10708	10210	70613	12100		82025	k6162			22389			62222		
1098	79k	1100	01839	20010	09999	14212	14k00	82030	82099	05656	k6162	21472	k007k		69929		
2090	789	1130	08138	20020	70913	14212	14700	82030	82056	05656	k6162	21366			63999		
2082	774	1200	08140	20120	09999	14k2k	14800	82030	82099	05658	76199	21100					
2074	759	1230	08k19	20120	70712	15312	15110	82040	82060	05657	56563*	21492			63999		
2070	750	1300	08109	20120		14221	14200	82050	82061	05858	56262	21372			69929		
2076	728	1330	07709	10210	70726	12210		82025	56161			22597			62222		
2079	714	1400	01k09	10210	70625	11300		82027				22592			62222		
2085	699	1430	01508	10210	70619	13211		82030	56162	17374		22489			62222		
NAVY																	
2075	682	0645	01508	10110	00714	12440		82040	k6566			22382		50008	62422		
2062	684	0715	01507	20110	01412	13443		81556	75860	k6566		22100		50008	63423		
2056	689	0745	01516	20120	01412	13218		81825	81858	75860		22375		50008	63423		
2038	692	0815	01508	10112	01409	12320		82030	19999			22580		50008	63419		
2025	694	0845	01509	10110	71310	12240		82030	19999			22483		50008	63319		
2012	695	0915	01509	10110		12220		82030	19999			22483		50008	69009		
2003	683	1045	08609	10010		13212		82030	81860	55960		21374		51750			
2017	671	1115	08609	10010		14324	14400	82040	81859	55960	19999	21380		51750			
2028	661	1145	08609	10010	61912	13227		82030	81860	16565		21576		51750			
2039	650	1215	08608	10010	61910	13227		82030	81860	16565		21374		51750			
2049	638	1245	01517	10110	01010	13375		81625	81562	16666		22298			62212		
2058	638	1315	01517	10110	71409	13443		81560	75860	56364		22087		50008	62322		
2067	648	1345	01517	10181	01110	13314		82535	81560	56363		22487		50008	62322		
2075	658	1415	01514	81210	00616	13844		81264	75758	19999		22100		50008	61421		

* 5th Cloud Layer 17374

AIRCRAFT WEATHER REPORTS

15 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNH	ChhNH	ChhNH	ChhNH	2TTBU	4N$_s$s$_w$N$_c$h$_c$	5jPPP	6DF59k	Yd$_r$d$_r$S$_w$A	0CnP$_o$0$_r$
NAVY																	
2073	676	0645	01818	10010	00619	13454		81940	75860	46264		22290		56010	61421		
2059	674	0715	01817	62181	70620	13686		81858	75860	76264		22296	49384	58513	61421		
2045	673	0745	01818	20164	00813	13430		81520	81858	75860		22294		56010	62311		
2032	671	0815	01867	62162	61009	13260		81520	81858	75860		22296		58512	62311		
2021	668	0845	01818	10010	00907	14425	14400	81858	91860	76264	17599	22391	49578	56009	62212		
2030	657	0915	01818	10010	60906	13456		81858	76264	17599		22390	49128	58517	63212		
2040	646	0945	01818	20110	01115	13380		81858	75860	76264		22392		56009	63212		
2050	633	1015	01818	20181	60810	13380		81858	75860	76264		22292		58515	62212		
2063	633	1045	01818	10110	70910	13466		82058	75860	76264		22390		56009	62312		
2076	638	1115	01818	10120	00810	13545		82058	75860	76264		22391		58515	62422		
2090	643	1145	01877	81210	60717	13620		82058	92062	75860		22391		56010	62311		
2102	648	1215	01818	20181	00718	12400		82050	75860			22389		58513	61421		

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16 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ f	vvBBB	t_w dddvv	$I_{BB}I_{D}I_{E}I_{S}$	$I_{BB}I_{D}I_{E}I_{S}$	CBBBB	CBBBB	CBBBB	CBBBB	BTTBB	$4I_{B}I_{D}I_{E}I_{S}$	5JPPP	60F5BL	$7I_{D}I_{E}I_{S}I_{A}$	$8CI_{D}I_{E}I_{T}$
2098	658	0400	01517	10218	80922	12560		81028	49999			22482					
2104	663	0415	01417	10220		12450		81725	49999			22488					
2111	658	0430	01407	10210		11500		82030									
2116	654	0445	01407	10210	90818	11500		82030				22477					
2117	656	0515	10009	10010	91510	11300		82534				21329			62219		
2118	664	0530	08409	10010		11300		82535				21538			62219		
2120	679	0600	08509	10010	70907	11300		82535				21628			62219		
2122	695	0630	08509	10010	71206	12410		82535	39999			21555			62219		
2125	710	0700	08429	10010	71307	12640		82545	47071			21562			62219		
2127	725	0730	08409	10010	71408	12410		82545	47172			21483			62219		
2129	741	0800	08609	10010	71606	12410		82555	47172			21476			62219		
2127	755	0830	01409	10210	70815	12210		81622	82535			22490			62219		
2121	767	0900	01418	10281	70714	13732		81640	62025	46768		22489			62219		
2115	778	0930	01508	10281	70816	11400		81640				22473			62219		
2109	790	1000	01608	10210	70814	11300		81635				22483			62219		
1103	798	1030	01408	10210	70715	12210		81722	19999			22490			62219		
1097	799	1100	10409	10010	71316	12220		81722	29999			21258			62219		
2089	785	1130	08409	10010	71315	12210		81722	19999			21641			62219		
2082	771	1200	08409	10010	71217	12520		81735	46970			21649			62219		
2073	757	1230	08509	10110	71111	13221		81735	82061	29999		21556			62219		
2072	740	1300	01508	10210	70813	14521	14200	82055	82060	65056	46899	22585			62212		
2076	725	1330	01318	10283	70715	13432		81655	82060	46899		22681			62212		
2079	709	1400	01318	10383	70715	13432		81755	91063	46899		22685			62212		
2083	693	1430	01308	10310	70715	13421		81725	82057	90615		22685			62212		
NAVY																	
2075	676	0645	01317	10181	00921	12560		81450	17272			22490		58046	62521		
2060	675	0715	01318	10181	70513	13424		81460	04045	17272		22587		58047	62421		
2045	674	0745	01508	10110	00512	12410		81450	17272			22588		58049	61311		
2030	673	0815	01509	10110	70508	13413		81535	45959	17299		22485		58001	61311		
2016	671	0845	01509	10110	00613	14311	14600	81530	81562	45999	27099	22582		58001	61421		
2001	670	0915	01516	10185	00604	15223	15150	81550	81562	04042	45899*	22486		58002	61211		
2005	661	1015	08159	10383	00610	13632		81557	45858	27099		21286		58006	60000		
2013	651	1045	08809	10110	00610	14322	14500	81545	81548	45757	27099	21171		58070	61321		
2028	645	1115	08709	10110	70910	14131	14500	81558	45757	27099		21368		58060	62311		
2061	640	1245	01518	10110	00807	12570		81550	27099			22582		58048	62311		
2068	652	1315	01518	10183	00812	13537		81558	03540	27099		22487		58003	62421		
2076	661	1345	01518	10383	70923	13514		81556	91568	27099		22488		58003	62631		

* 5th Cloud Layer 27099

AIRCRAFT WEATHER REPORTS

17 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBWN	$^{d}_{w}$ ddvv	1kH$_1$H$_2$H$_3$	1kH$_4$H$_5$H$_6$	ChHNN	ChHNN	ChHNN	ChHNN	2TTNN	4N$_{CL}$N$_{CM}$N$_{CH}$	6JPPP	69F5Nk	7$_{F_1}$d$_{F_2}$S$_{Tr}$A	9GGg$_{B}$s$_{Tr}$
2091	683	0730	01517	10110		12640		81650	46161			22491					
2098	695	0800	01517	10110	70617	12320		81630	46161			22491			62339		
2103	706	0830	01517	10110	70718	12210		81640	46161			22490			62339		
2110	716	0900	01517	10110	70815	12210		81625	46262			22488			62339		
2117	727	0930	01517	10110	70821	12350		81830	46262			22490			62349		
2123	738	1000	01517	10110	70921	12310		81735	46262			22390			62349		
2130	750	1030	01517	10110	70821	12310		81735	46262			22390			62349		
2120	760	1100	08109	10110	71316	12410		81750	18080			21425			62349		
2109	771	1130	08109	10110	71128	13136		81825	55051	18080		21435			62349		
2100	780	1200	08109	10110	71127	13324		81859	55051	18080		21365	40085		62349		
2090	790	1230	08109	10010	70927	13328		81856	55051	18080		21170			62349		
2090	775	1300	01516	10210	70823	13310		81840	56060	28080		22492			62349		
2089	758	1330	01514	64263	70823	12300		81499	29999			22400			62299		
2089	741	1430	01566	62265	70724	13150		81723	56060	28080		22394	40282		62499		
2089	724	1430	01517	10281	70827	12190		81723	46262			22586			62399		
2088	707	1500	01517	61210	70723	12100		81723	29999			22494			62399		
2088	690	1530	01517	10283	70928	12420		91099	56060			22485			62399		
2095	671	0345	01518	10110	90418	12220		81825	46060								
2101	666	0400	01518	10110		12140		81825	46060			22489					
2109	660	0430	01518	10181		12150		81830	46060								
2116	654	0500	01518	10110	90215	12110		81830	46060			22490					
2109	660	0530	05018	10110	90310	13423		81840	46060	18080		21777					
2103	665	0545	04718	10110		13431		81850	46060	18080							
2097	670	0600	04718	10010		12210		81850	46060			21887					
NAVY																	
2073	682	0645	01508	10010	00715	12320		81857	19999			22486		50010	62322		
2059	685	0715	01516	20110	00715	13238		81527	81560	76062		22100		50010	62322		
2045	688	0745	01514	81120	70914	14244	14200	81420	81265	76062	19999	22200	49088	50009	62212	70062	
2032	691	0815	01515	81181	61109	13822		81265	76062	19999		22200		50009	62212		
2018	693	0845	01518	20181	01106	14223	14200	81520	81460	76062	19999	22490		50009	63219		
2005	698	0915	01509	10020	61509	13233		81830	56062	19999		22575		50009	63219		
2017	669	1045	08439	10010	11111	15222	15420	82030	81658	55757	55959*	21100		51750			
2031	658	1115	08338	20010	61716	15225	15430	82030	81665	55757	55959*	21292		51750			
2045	645	1145	08328	20020	61614	14323	14600	82030	81660	56060	19999	21380		51750			
2052	634	1215	08328	20220	01614	14323	14700	82030	81565	56060	19999	21290		51750			
2068	548	1315	01518	20120	00715	13538		81860	75960	19999		22490		50010	62422		
2075	658	1345	01518	20120	70716	14413	14600	82030	81560	55959	19999	22486		50010	62222		

*17076 5th Cloud Layer
*17070 5th Cloud Layer

AIRCRAFT WEATHER REPORTS 18 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSNH	d_w ddvv	$1kN_1N_2N_3$	$1kN_1N_2N_3$	ChNNN	ChNNN	ChNNN	ChNNN	9TTUU	$4N_aC_aN_cC_c$	8JPPP	8DFSSt	$7d_sd_s$ 8_sh_s	$9CaD_aC_r$
2095	670	0400	01415	10281	80415	12280		81735	49999			22587					
2101	666	0415	01316	10210		12280		81735	49999								
2106	661	0430	01366	81281		12620		81299	69999			22590					
2115	651	0445	01[illegible]7	10181	00194	12240		81745	65065			22584					
2117	658	0530	2[illegible]88	10010	90933	14212	14300	81730	81258	65056	19999	21235					
2118	674	0600	08[illegible]09	10010	70826	14222	14800	81725	64555	46669	19999	21634					
2121	688	0630	08[illegible]13	10010	70914	14224	14500	81739	81558	65056	18099	21563			61954		
2124	700	0700	08519	10010	70923	12470		81735	19999			21566			69929		
2125	714	0730	08719	10010	71026	13437		81735	46799	19999		21545			69919		
2127	727	0800	08419	10010	71027	13426		81745	85560	46599		21558			69919		
2129	740	0830	08329	10010	71025	13422		81745	65055	19999		21637			62229		
2128	754	0900	08409	10010	70926	12520		81756	19999			21659			62239		
2121	765	0930	01407	10210	70923	12210		81735	19999			22486			62239		
2116	777	1000	01507	10210	70724	12350		81735	19999			22489			62239		
2110	789	1030	01407	10210	70723	12150		81735	19999			22578			62241		
2104	799	1100	01307	10210	70825	12380		82050	19999			22579			62241		
1098	795	1130	10009	10010	70827	12520		82058	29999			21431			62241		
2090	790	1200	08403	10010	70925	13314		82058	82060	29999		21534			69931		
2082	774	1230	08509	10010	70919	13218		82058	82061	29999		21535			69939		
2075	759	1300	08509	10110	70923	14424	14800	82508	82600	65758	29999	21475			69938		
2072	744	1330	06315	82482	70817	13520		81588	80612	29999		22596	49300		69929		
2075	729	1400	01466	82282	70820	13460		81558	46799	29999		22594			69919		
2080	714	1430	01166	82282	71020	13420		81058	46699	29999		22495			62119	71816	
2083	698	1500	01366	81281	71117	13330		80813	81056	29999		22486			62329		
NAVY																	
2075	679	0645	01577	64164	00615	13620		81858	75675	75860		22398		56008	61421		
2065	682	0715	01518	20120	70716	13460		81858	75860	76264		22494		58517	62421		
2048	687	0745	01518	10110	00814	13568		81858	75860	76264		22395		56008	62311		
2034	689	0815	01518	10110	60814	13453		81860	76264	17599		22487	44284	58514	63311		
2021	693	0845	01518	10110	02021	13384		82050	76264	17599		22489		56008	64311		
2007	695	0915	01518	10010	62310	13383		82050	76264	17599		22490		58511	64311		
7008	696	0945	01518	10010	02211	13327		82050	92068	76264		22492		56007	65211		
7004	691	1015	01518	20110	72410	13420		82050	92065	76264		22493		58513	65211		
2010	677	1045	08128	20020	02312	13420		62030	92060	76264		21372		56008	64211		
2021	665	1115	08128	20061	02311	13420		62030	92060	76264		21374		58038	64211		
2031	652	1145	08128	10010	62510	13336		82058	92060	76264		21473		56008	60001		
2042	641	1215	08128	10010	02510	13335		82058	92060	76264		21475		58038	60001		
2054	631	1245	01518	10181	60616	13472		82056	76264	17599		22489		56077	61421		
2062	643	1315	01518	10110	00714	13463		82056	76264	17599		22490		58514	61421		
2068	655	1345	01518	10110	00714	13462		81858	76264	17599		22492		56006	61311		
2078	664	1415	01518	10181	00613	13682		81858	76264	17599		22494		58515	61311		

AIRCRAFT WEATHER REPORTS 19 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wmBWN	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNN	ChhNN	ChhNN	ChhNN	2TTBU	4N$_s$s$_w$N$_c$D$_w$	5JPPP	6DFSDk	7d$_r$d$_r$s$_r$A	8GnD$_s$0$_r$
2094	686	1130	01526	10210	70620	12500		81456	27599			22695			62349		
2101	701	1200	01515	10210	70715	12200		81460	27599			22595			62343		
2108	711	1230	01515	10251	70619	12200		81456	27599			22595			62443		
2116	727	1300	01564	51251	70724	12200		61099	27499			22400			62433		
2123	736	1330	01515	10383	70726	12300		62030	27599			22595			62663		
2125	742	1400	01515	10210	70725	11000		27599				22595			62663		
2124	753	1430	08139	10010	70722	12400		82050	27599			21445			62553		
2109	763	1500	08139	10010	70716	12340		82050	27599			21440			62553		
2098	767	1530	01838	10010	70820	12210		82030	59595			21460			62553		
2091	752	1600	08139	10010	71209	13320		91865	59595	27599		21475			62533		
2083	736	1630	08139	10010	71606	13130		91865	82030	27599		21465	49300		62533		
2075	721	1700	08138	10010	71109	13433		82050	46363	17599		21570			62343		
2074	704	1730	01516	10010	00717	13344		82045	46363	27599		22595			62399		
2079	696	1800	01516	10210	70724	13443		82045	46363	27599		22595			62393		
2095	671	0430	01517	10110	90411	12190		81825	46364			22496					
2101	666	0445	01517	10210		12360		81630	46364								
2108	661	0500	01517	10210		11300		81645				22488					
2116	654	0515	01516	10210	90817	13218		81845	46364	18080					69919		
2116	660	0530	08119	10310	90817	15121	15180	82024	81857	55656	56262*	21348			69919		
2119	667	0600	08119	10010	30817	12330		81856	37878			21355			62399		
2121	683	0630	08119	10010	70722	12230		82050	18080			21330			62349		
NAVY																	
2072	679	0645	01617	20120	70611	12400		81550	76100			22492		58000	62328		
2058	680	0715	01518	10183	00714	15411	15460	81440	91468	03538	45859*	22395		58001	62438		
2041	681	0745	01518	811181	70513	15516	15450	81456	91465	45959	76099	22300		58049	61328		
2038	669	0815	01619	20181	00510	12490		81500	27099			22490	49188	58000	61318		
2035	639	0945	08638	20162	00512	15323	15550	81457	91465	45858	76299*	21280		58050	61418		
2045	634	1015	01518	63361	70612	11000		71399				22100		58047	62218		
2058	637	1045	01509	10063	00316	12690		81657	27099			22489	44284	58000	62428		
2069	641	1115	01508	10110	70315	13419		81635	81660	27099		22491		58000	62538		
2083	643	1145	01508	10110	00317	12680		81635	27099-9			22489		58000	62538		
2095	647	1215	01618	20110	70722	13638		81650	46299	27099		22489		58000	62638		
2108	650	1245	01607	20120	00722	13453		81535	46399	27099		22482		58001	62638		
2110	658	1315	01517	20120	70921	12640		81650	27099			22581		58003	62638		
2100	666	1345	01617	20220	00821	12820		81657	46299			22585		58004	62528		

* 5th Cloud layer 17599
* 27099 5th Cloud Group
* 27099 5th Cloud Group
* 2705[illegible]h Cloud Group

AIRCRAFT WEATHER REPORTS 20 JUNE 1946

PLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNN	^{4}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_1$H$_2$H$_3$	ChhNN	ChhNN	ChhNN	ChhNN	2TTTN	4E$_s$s$_s$H$_s$s$_s$	5JPPP	6DFSDk	7P$_r$d$_r$s$_r$A	8GnS$_p$s$_r$
2099	667	0400	01406	10281	80816	11400		82030				22585					
2105	662	0415	01406	10210		12410		82030	49999								
2111	658	0430	01406	10210		11300		82050				22579					
2116	654	0445	01506	10210	91016	12370		82055	49999			22583					
2116	657	0515	10009	10010	90815	12530		82042	65759			21530					
2119	682	0600	09529	10161	70710	13525		82045	82059	65758		21975					
2122	697	0630	08509	10110	70509	13212		82040	82058	19999		21630					
2123	707	0700	08409	10010	70718	13218		82040	46768	29999		21630			62199		
2111	696	0730	08609	10110	70916	13223		82035	82059	19999		21558			62199		
2097	685	0800	06529	10181	71012	14338	14300	82035	82059	69958	19999	21492					
NAVY																	
2076	686	0645	01517	20020	01016	12590		81650	75962			22490		50009	62432		
2062	683	0715	01516	20020	01010	12600		81550	75861			22492		50009	62432		
2050	684	0745	01572	64264	71020	12800		80560	75861			22000	44274	50009	62532		
2037	687	0815	01515	52164	01012	12300		81520	75961			22296		50009	63422		
2026	689	0845	01517	20052		13118		81520	81558	76061		22490	44274	50009	69219		
2012	693	0915	01518	20020		13168		81520	56060	19999		22584		50009	69219		
7002	694	0945	01519	20020		13339		82030	56060	76263		22485		50008	69219		
2018	673	1045	08419	20020		13410		82030	81562	76263		21374		51750			
2025	666	1115	08419	20020		12400		82030	76263			21376		51750			
2039	651	1145	08419	20020	61209	13210		82030	81562	76263		21378		51750			
2051	640	1215	08419	20020	61912	13210		82030	81562	76263		21379		51750			
2068	651	1315	01515	20181	00915	13510		81218	81260	76263		22390		50009	62432		

AIRCRAFT WEATHER REPORTS 21 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_e$ V	wwSNN	^{4}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	CnhNN	CnhNN	CnhNN	CnhNN	2TTNU	4N$_s$s$_w$K$_c$s$_w$	5jPPP	6DFSSk	7η_rd$_r$s$_r$A	8CnD$_s$s$_r$
2095	671	0445	01516	10261	70821	13337		82035	46262	28080		22457			62339		
2101	666	0500	01516	10210	30820	12260		82035	28080			22485			62339		
2108	661	0615	01516	10261		12360		82035	28080								
2116	654	0630	01516	10210	70821	12360		82035	28080			22486			62339		
2116	657	0700	10049	10210	93213	13387		82035	55960	28080		80900			62449		
2119	673	0730	08109	10010	70908	12320		82035	28080			21415			62449		
2121	689	0800	08109	10010	71411	12210		82035	28080			21380			62559		
2123	705	0830	08109	10010	71809	12310		82045	28080			21350			62559		
2125	722	0900	08109	10010	71710	13322		82045	05055	28080		21345			62559		
2127	734	0930	08119	10010	70910	13334		82045	05050	41060		21375			62559		
2122	747	1000	01516	64264	70732	13464		82099	56060	28080		22300			62663		
2115	758	1030	01567	10464	70929	13452		80915	56060	28080		22388			62553		
2107	760	1100	01508	10110	70920	12240		81225	28080			22488			62339		
2100	780	1115	01508	10110	70917	12320		81435	28080			22490			62339		
2086	766	1200	08108	10110	71812	13224		81545	56262	28080		21295			62339		
2074	754	1230	08108	10110	71112	13224		81540	56262	28080		21390			69919		
2060	740	1300	08108	10081	72808	13245		81556	05050	56262		21400			69919	78712	
2066	725	1330	01519	10261	71208	12200		81530	56363			22491			62339		
2073	710	1400	01519	10210	71307	12500		81556	27070			22486			69019		
2080	697	1430	01519	10210	71409	13322		81550	46262	18080		22480			69019		
NAVY																	
NO FLIGHT																	

AIRCRAFT WEATHER REPORTS

22 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	d_w dddv	$1k_1N_2N_3$	$1k_1N_2N_3$	ChNNN	ChNNN	ChNNN	ChNNN	2TTNN	$4N_sC_sH_cH_c$	5JPPP	6DFSDk	$7V_vd_rS_sA$	$8Cn_0S_T$
2097	669	0430	01415	10281		12580		81835	69999			22399					
2104	664	0445	01516	10210		12300		81835	49999			22399					
2110	659	0500	01416	10210		13440		81835	64555	49999		22499					
2116	654	0515	01417	10210	91124	12610		81525	19999			22499					
2116	656	0545	10709	10010	71014	13522		81525	81555	19999		21199					
2117	665	0600	08465	81210	71022	14454	14700	81525	63040	81560	19999	21499	40089		69019		
2110	682	0630	08367	81281	71115	15353	15280	81525	81560	65859	46869*	21490					
2112	698	0700	08428	10281	71119	13540		81550	46768	19999		21599			69019		
2124	715	0730	08428	10210	71114	13527		81540	65657	46768		21666			69019	72700	
2130	726	0800	08328	10210	71114	13528		81540	65065	46768		21681			62119		
2121	756	0900	01508	10210	70725	13322		81540	46768	19999		22582			62119		
2106	764	0930	01308	10210	70723	12240		82025	19999			22583			62229		
2098	775	1000	01408	10210	70723	12480		82035	19999			22585			62229		
2085	765	1030	10267	69583	71016	13457		82040	81564	29999		21273	49100				
2072	753	1100	08318	10281	71013	12300		82045	46768			21574			69909		
2060	740	1130	08319	10210	71111	12300		82040	46768			21769			69909		
2067	724	1200	01317	10210	70612	12660		82040	19999			22593			62219		
2074	710	1230	01418	10210	70616	12360		82030	19999			22688			62219		
NAVY																	
2077	671	0645	01518	10110	70818	13438		81825	81856	76062		22489		56009	62421		
2065	663	0715	01518	10110	70917	13328		81856	91862	96062		22486		58515	62421		
2053	656	0745	01518	10110	60914	13484		81858	76062	17599		22488		56008	62211		
2041	649	0815	01518	10181	61106	13374		81858	76062	17599		22486		58515	62211		
2028	645	0845	01518	10010	60908	13315		81858	91862	76466		22585	49377	56008	62311		
2015	636	0915	01518	10010	60906	13225		82056	92060	96466		22583		58517	62211		
2017	630	0945	01518	10110	61405	13227		82056	92060	96466		22585	49128	56007	60001		
2021	630	1015	01518	10110	61306	13383		82058	76466	17599		22488		58517	60001		
2045	628	1045	01518	10110	61108	13383		82058	76466	17599		22485		56008	62211		
2058	632	1115	08128	10010	61111	13374		82058	76466	17599		21477		58048	62211		
2073	638	1145	08128	10110	60914	13337		82058	92065	76466		21480		56008	62311		
2087	643	1215	08128	10181	60918	13347		82058	92068	76466		21479		58026	62311		
2101	651	1245	08128	10010	60810	13328		82056	92062	76466		21479		56008	62421		
2115	654	1315	08128	10010	70712	13313		82056	92062	76466		21481		58024	62421		
2099	668	1245	01518	20110	70612	13344		81420	46162	56162		22493		58048	61411		
2119	671	1445	08538	20120	71114	14318	14200	81425	81458	76299	27099	21275		58040	62521		
2121	688	1515	08738	20120	01114	15313	15420	81425	81458	05656	46262#	21280		58060	62522		
2123	697	1545	08818	20120	71016	14437	14700	81425	05757	46262	27099	21368		58072	62633		
2123	710	1615	08818	20120	01015	13363		81420	46363	27099		21373		58070	62632		
2129	725	1645	08818	20120	01015	14363	14300	81420	46363	76364	27099	21370		58070	62632		
2129	739	1715	08716	20020	01015	13345		81420	46363	76364		21371		58060	62532		
2125	717	1845	01618	20120	00814	12260		81420	46363			22381		58000	62422		
2122	701	1915	01718	20120	00918	13328		81720	05656	46363		22390		58001			
2121	686	1945	01616	20383	00918	13336		81317	81560	46363		22483		58049	6253x		
2120	683	2015	01516	20120	00916	12380		81317	46363			22490		58048			
2112	657	2115	01516	20220	xxxxx	12360		81317	65657			22487		58049			

* 5th Cloud Layer 19999

\# 5th Cloud Layer 76262

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23 JUNE 1946

QLLL	III	TIME (LOCAL)	hhh$^{o}_{c}$ V	wwSWH	$^{d}_{w}$ ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNH	ChhNH	ChhNH	ChhNH	2TTsN	4N$_8$s$_w$N$_c$s$_w$	5jPPP	6DF89k	7a$_r$d$_r$s$_w$A	9CnD$_s$s$_r$
2094	672	0400	01504	10210	09999	11300		81835				22491					
2101	667	0415	01519	20220	90721	14131	14400	00814	81835	01825	45858						
2107	661	0430	01519	81281	09999	13324		01425	81835	45858		22493					
2113	657	0445	01519	20281	09999	14122	14500	01014	81824	81835	45858						
2116	655	0500	01518	20281	90723	13314		81840	01825	45858		22491					
2116	655	0530	08319	20281	91124	14421	14500	61830	82056	82059	46061	21478					
2117	670	0600	08139	20020	71120	13215		82040	82057	46061		21285			69939		
2120	686	0630	08138	20020	71216	12360		82055	46061			21285			69939		
2122	702	0700	08138	20020	71010	13236		82057	65656	46061		21380			69939		
2123	718	0730	08138	20020	70814	13216		82057	65656	46061		21342			69939		
2124	732	0800	08138	20020	71016	12340		82056	46061			21540			69939		
2121	747	0830	08118	10020	71214	13113		82035	46061	27475		21540			69939		
2112	761	0900	08108	10010	71713	13211		82035	46061	17475		21452			69939		
2103	775	0930	08109	10010	70914	14211	14300	82035	82058	46061	17475	21380			69939		
2088	767	1000	01507	10210	70522	12410		61830	19999			22492			69939		
2076	756	1030	01509	20220	70221	12440		81830	19999			22491			69932		
2070	748	1100	01516	20220	70320	13222		81840	61825	19999		22586			69933		
2062	736	1130	01517	20281	70526	12350		81840	19999			22593			69933		
2071	720	1200	01516	20220	70628	13384		81824	76299	29999		22588			69933		
2077	704	1230	01507	10220	70523	12140		81820	29999			22590			69933		
2083	688	1300	01507	10210	70524	12120		81830	19999			22582			69933		
NAVY																	

AIRCRAFT WEATHER REPORTS

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	CNNNN	CNNNN	CNNNN	CNNNN	STTUU	4N$_8$N$_9$N$_C$N$_h$	5JPPP	69P59x	7N$_f$d$_f$s$_f$A	8Cm$_0$d$_T$
2100	667	0545	01517	12012	90610	11700		19999									
2107	661	0400	01518	10110		12250		82035	46565			22482					
2112	657	0415	01518	10110	90610	11200		82035				22482					
2116	654	0445	08119	10010	90615	13337		82057	05656	27599		21373					
2129	662	0500	08119	10010	90615	13344		82057	05556	27599		21471					
2120	678	0530	08109	10010	71014	12220		82050	17599			21515			62339		
2122	694	0600	08109	10010	71014	13113		82025	05063	17599		21515			62339		
2124	710	0630	08109	10010	91017	13123		82056	06060	17599		21417			62339		
2126	727	0700	08109	10010	71508	12110		82040	17599			21570			62339		
2125	745	0730	06509	10010	71512	12110		82050	17599			21668			62339		
2118	754	0800	01509	10210	70917	12110		82040	17599			22388			62339		
2109	766	0830	01567	62262	70715	14234	14000	80999	80914	55656	29999	22498	40063		61449	71512	
2100	780	0900	01516	10262	70716	13330		81459	55656	29999		22397			61549		
2091	771	0930	08109	10010	71013	13210		81560	05757	27599		21288			61449		
2078	756	1000	08109	10010	71120	13212		81557	05757	27599		21487			61449	71411	
2063	743	1030	08168	12383	70921	13330		91560	05858	27599		21390			61449		
2065	720	1100	01516	10210	70712	13320		81599	56060	27599		22497			62339		
2072	713	1130	01516	81281	70614	13320		81599	56060	27599		22494			62339		
2078	697	1200	01516	10210	70617	13210		81535	56060	27599		22589			62339		
2065	683	1230	01516	10281	70717	12300		81562	27599			22489				70951	
NAVY																	
2060	663	0715	01575	61164	00610	13330		80315	81658	75860		22100		50007	61331		
2050	657	0745	01575	63161	30912	1270x		80558	75860			22200		50007	61331		
2038	648	0815	01570	66363	30619	1260x		80558	75860			22100		50007	61531		
2024	639	845	01517	20062	00908	14248	140xx	81658	73048	75800	19999	22489		50006	62339		
2012	631	915	21519	20020	xxxxx	13366		81620	45860	19999		22485		50006	69219		
2022	629	945	01518	20020	xxxxx	13290		81525	75860	19999		22496		50006	69219		
2038	630	1015	01516	20020	30713	13300		81558	75860	19599		22398		50006	62422		
2052	629	1045	01516	20061	30716	1249x		81540	75961			22490		50007	62422		
2063	634	1115	01516	20020	30710	1239x		81629	76293			22487		50007	62422		
2076	639	1145	01516	20020	00712	1239x		81630	76262			22490		50006	62422		
2089	643	1215	01516	20020	30712	1237x		81330	46465			22486		50005	62432		
2101	646	1245	01516	20020	70814	1234x		81830	46566			22484		50005	62432		

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QLLL	111	TIME (LOCAL)	hhhf$_c$ V	wwBWH	^{d}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_4$H$_5$H$_6$	ChhNN	ChhNN	ChhNN	ChhNN	2TTUU	4N$_s$h$_s$N$_c$h$_c$	5jPPP	GBFSBk	7R$_c$d$_r$R$_w$A	9GGgB$_s$B$_r$
2093	673	0400	01560	81281	09999	11010		81499				22300					
2099	669	0415	01567	20281	90619	13614		81440	81456	29999							
2105	664	0430	01516	81220	09999	12380		81499	45758			22300					
2111	659	0445	01517	20220	09999	12280		81499	45758								
2116	665	0500	01518	20220	90820	12370		81740	45859			22294					
2116	665	0530	08129	20020	91220	14418	14300	81740	81759	45758	22526						
2118	668	0600	08118	20020	70813	13313		81740	51213	27475		21276					
2119	670	0630	08118	20020	71229	13313		81740	56263	27475		21474			69929		
2120	686	0700	08118	20020	71224	13313		82045	56263	27475		21373			69929		
2121	701	0730	08118	20020	71319	13123		82056	63545	27475		21377			69929		
2123	716	0800	08118	20020	71319	14124	14300	82050	64050	56364	29999	21438	45200		69929		
2125	732	0830	08118	20020	71217	13222		82050	46263	29999		21477			69929		
2118	754	0915	01517	20020	70819	13214		81840	05056	29999		22584			69933		
2105	769	1000	01517	20020	70718	13272		81840	46263	19999		22488			69933		
2095	775	1030	08129	20020	09999	14210	14100	81840	91868	64056	29999	21642	40084			71115	
2080	760	1100	08119	20020	70932	13233		82040	46263	29999		21471					
2067	746	1130	08119	20020	70730	14122	14400	92035	82099	56364	29999	21373	40084		69939	71339	
2069	722	1215	01517	20381	70522	13248		82050	46061	76263		22593	49300		69932		
2079	701	1300	01516	20230	70531	13220		81540	46061	76299		22393			61362		
2065	663	1330	01516	20230	70532	12360		81540	46263			22583			61432		
NAVY																	
2077	679	0645	01518	10110	70617	13348		81850	75658	76062		22494		56009	61421		
2064	682	0715	01518	20181	70618	13320		81825	81850	76062				58515	61421		
2051	684	0745	01518	10110	30720	13357		81850	76062	76466				56009	61421		
2039	686	0815	01518	10110	70614	13387		81858	76062	76466				58515	62421		
2034	689	0845	01518	10061	70612	13328		81830	91862	76062				56008	62421		
2010	692	0915	01518	63263	30610	13328		81830	91862	76466				58516	62311		
7005	696	0945	01525	65363	00609	13545		81862	75860	76466				56007	62211		
7004	699	1015	01525	10010	70609	13548		81862	75860	76466				58518	62211		
2005	678	1045	08128	10010	30910	14526	14600	81858	91862	76466	17599	21480		56008	60010		
2014	669	1115	08128	10110	21892	13368		81858	76466	17599				58020	62111		
2027	656	1145	08128	10010	30911	13427		82058	92062	76466				56008	6211		
2039	646	1215	08128	10010	30910	13428		82058	92062	76466				58035	6211		
2051	632	1245	08128	10110	70615	13429		82058	92062	76466				56008	62211		
2061	641	1315	08128	10110	70714	13429		82030	92058	76466				58040	62311		
2069	651	1345	01518	10110	31716	13473		82056	76466	17599				56008	61311		
2075	662	1415	01518	10110	22072	13463		82056	76466	17599				58516	61421		

AIRCRAFT WEATHER REPORTS 26 JUNE 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNN	d_w ddvv	$1kH_2H_2H_3$	$1kH_1H_2H_3$	CLOUDS	CLOUDS	CLOUDS	CLOUDS	STTHS	$4N_hh_ih_ch_k$	SIPPP	GGF3Sk	$7V_vd_vs_vt$	$9CnD_cD_r$
2098	668	0415	01306	10110	80520	12210		82030	46768			22586					
2104	663	0430	01406	10110		11200		82030									
2111	658	0445	01406	10110		11400		82035				22566					
2116	654	0500	01306	10110	90522	11400		82035				22585					
2116	656	0530	01218	10100	81032	12310		82028	19999			21255			61499		
2117	671	0600	08509	10010	71025	13411		82032	46970	17677		21639					
2118	686	0630	08429	20020	71126	12920		62040	17677			21735					
2120	700	0700	08409	10020	71025	13324		62040	82545	17677		21648					
2123	714	0730	08529	20120	71024	14621	14800	62040	82050	82063	29999	21554					
2125	730	0800	08619	20120	71123	14223	14800	62040	82050	82060	29999	21547	40086			73131	
2124	744	0830	01519	20220	70823	14321	14000	81535	65056	82060	49999	22595			62229		
2117	755	0900	01517	10210	70723	12480		82040	46768			22586			62229		
2110	765	0930	01417	10210	70723	12480		82045	46768			22592			62229		
2102	778	1000	01517	10210	70719	13426		82045	46768	29999		22589			62229		
2090	770	1030	08509	10010	71027	13244		82035	82059	46869		21752					
2078	758	1100	08309	10010	71024	14222	14100	82035	82059	46970	19999	21566					
2063	741	1130	08309	10010	71224	13321		82030	46465	19999		21766					
2066	724	1200	01308	10210	70916	12310		81929	19999			22693					
2072	712	1230	91308	10210	70916	12260		81930	19999			22693			62229		
2079	696	1300	01218	81281	70914	13244		81930	82059	49999		22687			62229		
NAVY																	
2072	680	0645	01666	83120	08012	12300		81822	73545			22391			62429		
2057	683	0715	01528	20020	90715	12180		81922	56061			22488			62539		
2044	685	0745	01518	20083	80817	12360		82040	56061			22493			62549		
2013	687	0815	01518	20083	81012	12680		82045	55999			22685			62439		
2017	689	0845	01518	20020	00910	12700		82040	58099			22585			62439		
2004	691	0915	01518	20020	00910	12700		82430	56099			22586			62329		
7009	696	0945	01517	20020	01108	12600		81556	56299			22200			63219		
2009	678	1045	00029	20064	00906	13460		81556	55657		56499	21259			62329		
2017	668	1115	07829	20020	00906	13341		82045	55859	57099		21481			62329		
2028	656	1145	07829	20020	00907	14422	14000	82060	55758	56061	28099	21476					
2037	643	1215	07829	20020	01020	15834	15700	82060	55758	56061	56566*	21300					
2052	629	1315	01393	64164	00808	11000		71399				22488			62329		
2062	637	1345	01474	64163	00814	11000		71499				22000			62439		
2069	646	1415	11492	63263	00714	11000		71499				22395			62439		
2077	656	1445	01367	63263	00818	12200		81013	76199			22296			62549		
2083	665	1515	01385	63263	00816	12800		81458	76099			22300			62439		

* 58499 5th Cloud Group

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSNN	^{d}w ddvv	1k$N_1N_2N_3$	1k$N_1N_2N_3$	CbNNN	CbNNN	CbNNN	CbNNN	8TTUU	4$N_8N_9N_C8_W$	5JPPP	6BFSDk	7$d_rd_rS_wA$	9CnD_8D_r
2097	664	0400	01570	82397	90521	13224		C0812	94199	81420		22200					
2103	665	0415	01540	62297	09999	12000		09914	81599			22594				72079	
2109	660	0430	01590	61261	09999	11100		89999									
2115	655	0445	01418	20261	90618	12300		00814	81599								
2115	655	0515	08119	20020	91030	14226	14600	81540	81558	46263	29999	21378					
2120	675	0600	08118	20020	70924	13376		81540	41213	27475		21552			69932		
2122	690	0630	08118	20020	71021	12270		81550	41213			21549			69932		
2124	703	0700	08118	20020	70992	13345		81550	41213	12526		21545			69939		
2125	718	0730	08118	20120	70922	14221	14600	81540	64050	81558	46263	21548			69939		
2127	735	0800	08118	20200	70712	14221	1470-	81540	64050	81558	46061	21482			69939		
2122	748	0830	01517	20200	70725	12360		81640	46163			22487			69933		
2114	760	0900	01517	20220	70720	13226		81635	46163	27475		22485			69932		
2106	771	0930	01517	20220	70726	13248		81635	46163	27475		22484			69932		
2097	776	1000	08117	20020	70921	13140		81658	64055	71399		21067			69932		
2084	764	1030	08171	23020	09999	13650		63050	81699	71399		21200	49100			73520	
2071	751	1100	08119	20083	70925	14122	14500	81640	81644	56363	27474		49100				
2060	740	1130	08119	20020	09999	13126		81635	81684	22485		21497			69929		
2068	717	1200	01517	20200	70818	13250		81530	46263	27475		22493			69922		
2075	704	1230	01518	20220	70919	13258		81530	46263	27475		22592			69923		
2082	689	1300	01516	81220	71016	12390		81540	76263			22494			69923		
NAVY																	
2075	674	0645	01417	20220	30912	13330		81520	45959	76199		22492			62418		
2062	670	0715	01566	64262	70613	14484	14800	81315	75658	45959	76199	22000			61528		
2061	666	0745	01518	10164	30605	14223	14800	81530	81559	05757	27099	22189			61218		
2035	661	0815	01518	20110	00601	13229		81535	45758	27099		22489			62218		
2022	657	0845	01418	20120	00804	13278		81558	45657	27099		22485			62218		
2008	652	0915	01519	10164	00908	13422		81577	45758	27099		22482	49178	51168	63218		
2018	639	1015	01518	20120	00600	14327	14000	81558	05656	75960	27099	22485			60001		
2031	631	1015	01591	66220	01303	11000		70199				22200	49278		63XXX		
2044	617	1115	01519	20164	00600	13328		81535	45959	27099		22490			60001		
2055	613	1145	01509	10120	3XXXX	13462		81535	45959	27099		22493			63421		
2063	608	1215	01519	10110	70612	13513		81550	91562	45959		22491			62521		
2069	623	1245	01509	10110	00912	13453		81540	45959	27099		22491			62412		
2074	635	1315	01509	10110	00911	13345		81535	45959	27099		22492			62421		
2079	646	1345	01519	20210	00910	13265		81535	76099	27099		22491			62321		

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PLLL	III	TIME (LOCAL)	$hhhf_c$ V	wwNNN	d_w dvvv	$Nh_1h_2h_3$	$Lnh_1h_2h_3$	CnnnD	CnnnD	CnnnD	CnnnD	8TT99	$4ff_0f_1f_2f_3$	5JPPP	69F9hh	$7ff_1f_2f_3$	$9GGg_0g_1$
2095	672	0400	01517	10210	70914	12210		82030	81558			22428					
2101	667	0415	01517	10210		11200		81[illegible]									
2107	681	0430	01508	83510		12210		81[illegible]	81558			22484	10086				
2113	656	0445	01508	81281	90813	12330		81[illegible]	81[illegible]								
2116	654	0500	08128	10010	91015	13511		81[illegible]	19[illegible]	19999		21569					
2117	663	0530	08108	10010		13211		81[illegible]	19[illegible]	19999		21558					
2120	674	0600	08108	10010	71009	13311		81[illegible]	19[illegible]	19999		21568			69019		
2122	691	0630	08109	10010	70909	13311		81[illegible]	19[illegible]	19999		21578			62339		
2125	706	0700	08108	10010	73610	12150		82050	19[illegible]			21445			62339		
2127	724	0730	08108	10010	73210	12250		82040	19[illegible]			21430			69239		
2129	741	0800	01508	10210	70912	12310		82010	19[illegible]			22330			62339		
2130	753	0830	01508	10210	70912	12210		82010	19[illegible]			22386			62339		
2112	764	0900	01508	10210	70712	12110		82010	19[illegible]			22388			62339		
2102	777	0930	01508	10210	70612	12210		81[illegible]	19[illegible]			22482			62339		
2092	772	1000	08108	10010	70913	12310		82030	19[illegible]			21370			62339		
2080	760	1030	08108	10010	71014	12220		82040	19[illegible]			21440			69239		
2066	796	1100	08108	10010	71308	12310		82040	19[illegible]			21432			69239		
2064	731	1130	01508	10110	70508	12160		82040	19[illegible]			22590			62229		
2072	713	1200	01508	10110	70205	12140		82035	19[illegible]			22590			62229		
2078	699	1230	01508	10110	70806	12310		81535	19[illegible]			22490			62339		
2085	684	1300	01507	10110	70011	12340		81530	19[illegible]			22593			62339		
[illegible]																	
2017	681	0645	01515	81120	01212	13330		82050	81120	75962		22100		50008	62332		
2025	693	0715	01509	10120	00807	13221		81520	81126	19999		22490		50008	62222		
2034	687	0745	01509	10010	60610	12370		81525	19999			22483		50007	62232		
2050	690	0815	01509	10010	00906	12421		81525	19999			22580		50007	62222		
2016	693	0845	01509	10010	60608	12441		81525	29999			22585		50007	62219		
2001	694	0915	01509	10010	XXXXX	12121		81522	29999			22584		50007	62119		
2008	680	1015	08509	10010								21458			69119		
2019	668	1045	08509	10010		12321		82030	19999			21433			69119		
2031	656	1115	08509	10010	61321	12451		82056	19999			21440			69119		
2045	645	1145	08609	10010	61514	13224		82030	81558	19999		21458					
2053	631	1215	08609	10010		12341		82030	19999			21453					
2070	655	1315	01518	10010	70712	13223		81525	81559	19999		22488		50007	62322		
2078	665	1345	01517	20110	00910	13218		81525	81559	75961		22395		50007	62322		

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QLLL	III	TIME (LOCAL)	hhhf$_0$ V	vvsNN	^{4}w ddvv	1sn$_1$T$_2$T$_3$	1sn$_1$T$_2$T$_3$	Cnhhh	Cnhhh	Cnhhh	Cnhhh	8TTTw	4N$_h$h$_v$N$_c$h$_v$	5jPPP	6RF3Rk	7R$_1$R$_2$R$_3$R$_4$	8Cm$_0$0$_r$
2096	670	0400	01516	10110	81121	11100		82025				22587					
2102	665	0415	01506	10110		11300		82025									
2109	660	0430	01606	10110		11400		81822									
2116	665	0445	01506	10110	91905	13321		81825	63035	19999		22587					
2116	654	0515	08218	10110	31406	13127		81825	82057	46265		21469			69919		
2121	670	0545	08218	10110	72705	12530		82057	46265			21468			69919		
2126	685	0615	08209	10015	72707	13342		82055	46364	17575		21559			69909		
2132	700	0645	08209	10010	72908	12330		82050	17677			21643			69919		
2136	715	0715	08219	10010	72410	12270		82045	27273			21637					
2142	732	0745	08219	10010	72114	12190		82025	27273			21737					
2138	768	0845	24009	10110	72830	13413		82050	92075	28060		21610					
2126	786	0915	24009	10010	72726	13221		820$_x$0	46566	18060		21610					
2110	762	1045	01508	10110	70810	11400		81318				22585			62229		
2104	741	1115	01508	10110	70905	12220		81316	29999			22589			62219		
2100	726	1145	01608	10110	70706	11400		81425				22589			62219		
2096	712	1215	01608	10110	70404	12300		81822	29999			22491					
2092	697	1245	01508	10110	70704	11100		81822				22584			61109		
NAVY																	
2081	670	1000	01518	10010	30614	13326		82030	76466	17599		22492		56010	61421		
2073	658	1030	01518	10010	70711	13435		82040	76466	17599		22489		58515	61421		
2064	646	1100	01518	10010	30710	13435		82040	76466	17599		22490		56010	61311		
2056	633	1130	01518	10010	60811	13325		82040	56466	17599		22493		58511	61311		
2046	637	1200	01518	10010	30009	13225		82040	56466	17599		22494		56010	62311		
2038	647	1230	08158	10110	61209	15313	15350	82040	92062	75960	58466*	21345		58020	62311		
2028	658	1300	08128	10010	31310	13336		82050	56466	17599		21374		56009	62211		
2019	668	1330	08128	10010	61210	13335		82050	56466	17599		21374		58030	62211		
2008	680	1400	08128	10010	31029	13445		82050	56466	17599		21376		56008	62211		
7004	692	1430	08128	10010	61208	13345		82050	76466	17599		21370		58032	62111		
2001	694	1500	08128	10010	31210	1343$_x$		82056	76466	17599		21355		56008	62111		
2017	692	1530	01518	10110	61208	13384		82046	76062	17599		22586	49200	58523	62111		
2029	690	1600	01518	20181	31110	12400		82050	76062			22588		56007	62111		
2043	686	1630	01518	10110	60808	13326		82050	76062	76466		22590		58524	61311		
2058	687	1700	01518	10110	30810	13286		82050	76062	76466		22590		56007	61311		

* 17599 5th Cloud Group

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QLLL	III	TIME (LOCAL)	hhhf$_a$ f	wwSHH	^{4}w ddvv	1sn$_1$n$_2$n$_3$	1sE$_1$n$_2$n$_3$	6sHHH	6sHHH	6sHHH	6sHHH	8TTSH	4N$_h$C$_L$h$_L$C$_M$h$_M$C$_H$h$_H$	5jPPP	60FS0s	7ff$_1$f$_2$f$_3$f$_4$	8Cs0$_8$0$_7$
2091	675	0400	01409	10210	09999	11200		81825				22481					
2087	677	0415	01409	10210	90616	11100		81825									
2105	665	0430	01509	10210	09999	11200		81825				22491					
2109	661	0445	01409	10210	09999	12210		81830	17576								
2116	655	0500	01409	10210	90621	12210		81830	17576			22492					
2116	655	0530	09909	10010	91419	13111		81830	81850	17575		21147					
2110	666	0545	09909	10010	09999	12110		81830	17575			21257			69929		
2116	681	0615	08029	20010	09999	14116	14200	81825	81857	65056	17575	21538					
2131	695	0645	06109	10010	71513	12110		81822	17575			21459	40083		69919		
2136	713	0715	08129	20010	09999	14124	14300	89957	89964	65056	76263	21486					
2141	730	0745	08119	61120	09999	14121	14600	82035	82062	45858	46163	21493			69919		
2150	750	0815	06190	95395	09999	11000		99999				21196				73303	
2143	762	0845	08147	20394	09999	13428		99999	82050	46299		21100					
2134	774	0915	08119	20193	72108	13232		82050	46263	27576		21378			69939		
2123	790	0945	06109	10080	71512	12220		82056	27575			21471			69932		
2120	800	1015	09909	10010	71906	12220		82056	17575			20962			69932		
2119	796	1045	01518	20210	70810	13123		81835	64050	17575		22482			69933		
2110	761	1115	01508	10210	70717	13112		81858	56263	17575		22483			69939		
2104	741	1145	01517	20210	70918	12250		81830	17475			22590			69939		
2100	724	1215	01517	20220	70722	13124		81825	56263	27475		22495			69922		
2095	707	1245	01518	20220	70816	13114		81825	56263	27475		22392			69923		
2091	691	1315	01518	20220	70815	13163		81830	56263	27475		22496			69929		
2077	699	1030	01481	82822	70610	13460		81025	81060	76263		22396	49200		61219		
2068	708	1100	01565	62282	71 19	13460		81030	76364	29999		22593			61219		
2061	713	1130	01566	61262	715	13280		81020	82057	76364		22572			64332		
2052	724	1200	01475	62262	71406	12200		81015	76364			22390			69929		
2041	735	1230	01466	61261	70804	13460		81550	76364	29999		22585					
2034	748	1300	01418	81281	70806	13242		81525	81557	29999		22681			69919		
2037	762	1330	06309	10283	70914	13346		81558	65657	19999		21479					
2045	775	1400	08209	10110	70808	13336		81525	81558	19999		21640					
2053	788	1430	06260	84410	70715	13480		81525	81562	46364		21300					
2062	797	1500	08247	62262	70827	13269		81560	65657	46566		21566					
2070	776	1530	01417	20262	70813	13360		82030	46465	29999		22562			62229		
2078	763	1600	01418	20220	70911	13248		82025	46465	29999		22677			62219		
2088	752	1630	01307	10110	70614	12340		82025	19999			22688			62219		
2090	736	1700	08418	10010	71118	13470		82035	46364	19999		21552					
2089	718	1730	08517	10010	71217	13460		82059	46364	19999		21467					
2091	703	1800	08409	10010	71415	14213	14300	82030	82062	65859	46465	21480					
2098	669	1615	01509	10081	90816	13112		00914	80953	40464		22488			62229		
2104	667	1630	08109	10010	71117	13112		00914	80958	46464		21383					
2101	679	1700	01509	10010	71314	13111		01416	80964	46565		22388			62229		

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBWH	$^{6}_{w}$ ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNH	ChhNN	ChNNN	ChNNN	2TTUU	4N$_8$s$_w$N$_c$h$_s$	5JPPP	6DFSDk	7d$_p$d$_r$s$_w$A	9Cn$^3_0$0$_r$
2062	683	0600	01517	80110	00315	14222	14400	81522	81460	76061	19999	22490		50009	61431	71251	
2041	689	0645	01515	23183	00812	14277	149xx	81513	81262	75962	19999	22200	44488	50009	62332		
2026	690	0715	01573	83283	71108	13880		81062	75960	19999		22200		50009	63334		
2016	694	0745	01518	20083	00018	13218		81716	81260	76061		22486	44289	50009	68339		
2001	696	0815	01508	10020		13213		81622	81560	19999		22485		50008	69119		
2005	694	0845	01508	10010		13213		81622	81560	19999		22485		50008	69119		
2018	673	0945	08628	20010	61412	1220x		21525	76163	76163		21557					
2041	661	1045	08627	20020		16221	16404	81520	61558	81265	75960*	21076	45223				
2059	667	1015	08636	20020	61311	13219		81520	81459	74365		21475					
3052	640	1115	08629	20020		13214		81520	81458	19999		21364					
2079	667	1215	01508	10010	70612	1222x		81723	19999			22486		50009	61331		
2097	672	0545	08609	10010	31418	13523		81535	03739	27299		21410			61411		
2110	662	0615	08706	10010	01114	13423		81555	04041	27299		21421			61411		
2131	651	0645	08709	10010	31315	13470		81540	27299			21355			61421		
2134	642	0715	08709	10010	31315	13470		81540	27299			21444			61421		
2146	634	0745	08709	10010	72708	12390		81530	27199			21455	41300		61421		
2127	616	0845	01508	10110	30710	12460		81630	27099			22481			62411		
2114	608	0915	01508	10110	30810	12540		81630	27099			22484			62311		
2100	600	0945	01518	10110	30909	13521		81555	05053	17099		22489			62311		
2087	592	1015	01518	10110	30907	12530		81535	46262			22490			62311		
2073	583	1045	01508	10110	30907	12420		81630	46262			22486			62311		
2078	606	1145	08609	10010	71517	12410		81635	27099			21442			62311		
2080	632	1215	08709	10010	31516	12410		81620	27099			21422			62311		
2092	637	1245	08809	10010	71610	12340		81625	27099			21450			62311		
2094	651	1315	08609	10010	31610	12330		81620	17099			21443			62311		
2086	655	1345	08709	10010	31610	12330		81630	17099			21338			62311		

*73635 5th Layer Clouds
#19999 6th Layer Clouds

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSNN	d_w ddvv	$1kN_1N_hC_L$	$1kN_1N_2N_3$	CbNNN	CbNNN	CbNNN	CbNNN	8TTTN	$4N_sa_sN_cC_L$	5JPPP	6DFSDk	$7d_sd_sS_sA$	$9Cm8_s8_r$
2094	671	0200	01416	10210	81216	12360		82035	29999			22493					
2101	666	0215	01406	10210		11400		81330									
2107	661	0230	01406	10210		11400		81430				22591					
2115	656	0245	01506	10210	91110	11400		81326				22411					
2116	656	0515	01508	10010	72913	13411		81358	92080	57879							
2114	674	0545	01509	10010	72730	12230		81530	47575			224XX					
2123	667	0745	01518	10210	71111	12310		81523	46869			22585			62219		
2137	659	0815	01409	10210	71111	13311		81530	81561	19999		22591			62109		
2150	652	0845	01609	10210	71404	12100		81520	19999			22567			69909		
2150	668	0915	08509	10010	72311	12210		81535	19999			21546			69909		
2136	669	0945	01509	10210	71204	12210		81525	19999			22681			62109		
2121	669	1015	01509	10210	71110	12210		81525	19999			22681			62109		
2106	671	1045	01419	10210	71111	12380		81545	46585			22689			62119		
2094	668	0330	01519	10210	90715	12240		82040	19999			22397					
2102	655	0400	01519	10281	90910	11200		82040				22398					
2109	648	0430	01519	10283	30910	12210		82040	19999			22396					
2117	637	0500	01519	10210		11100		82030				22396					
2126	624	0530	01518	10210		11100		82030				22394			62229		
2134	624	0600	01518	10210	71004	12120		82030	18585			22392			60219		
2143	634	0630	01518	10110	70905	12210		82030	18585			22387			60219		
2150	640	0700	08109	10010	71004	12100		82030	18585			21366			60219		
2139	649	0730	06409	10010		12110		82030	18585			21740			60009		
2135	652	0800	08109	10010		13211		82030	82062	65556		21364			60009		
2127	659	0830	08109	10010		13124		82030	82062	65556		21375					
2120	674	0900	08109	10010	70910	13111		82035	82057	18585		21375			62229		
2101	677	0930	08109	10010	71112	13111		82025	82065	17577		21380			62229		
2098	671	0245	01519	20220	90916	11600		82099				22494					
2112	660	0300	01519	10210	09999	11200		81518				22488					
2116	655	0315	01519	10210	91016	11100		81822				22492					
2130	656	0400	08129	10010	09999	11400		83540				21538					
2130	672	0430	08129	10010	09999	13121		89959	65056	56263		21464					
2130	689	0500	08109	10010	09999	12220		82045	56263			21486					
2130	706	0530	08109	10010	09999	13121		82540	46061	17576							
2132	723	0600	08119	20020	71615	13242		82540	46263	17576		21465					
2130	738	0630	08109	10010	71312	12220		82040	46263			21565			62299		
2130	750	0700	08109	10010	71111	12230		82040	46263			21549			69929		
2122	770	0730	05109	10210	70820	12220		81422	46263			22496			69932		
2114	786	0800	01517	20210	70817	13233		81620	46263	17575		22492			69932		
2110	800	0830	01567	81220	70732	14326	14100	81340	81560	46263	17575	22494					
2102	778	0900	06147	20261	09999	13628		62045	89962	76263		21483					
2095	762	0930	06147	81281	09999	13830		69950	89999	76299		21397					
2090	736	1000	01517	10210	70718	12340		81530	46263			22492			69929		
2089	714	1030	01517	10210	00718	12110		81518	19999			22492					
2089	702	1100	01507	10210	90817	12210		81525	19999			22488			69921		
2088	688	1130	01507	10210	09999	11210		81522				22491					

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSHN	^{d}w ddvv	2kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNN	ChhNN	ChhNN	ChhNN	2TTTN	4N$_h$C$_M$N$_c$C$_L$	5jPPP	69F99k	7d$_r$d$_r$S$_w$A	8CnD$_s$0$_T$
2079	669	500	01557	20120	01014	12360		81518	59999			22494					
2071	656	530	01518	20020	61210	12480		81520	55859			22472			62429		
2062	642	600	01518	20081	61012	12300		81620	55899			22485			62319		
2053	630	630	01519	20020	00310	12430		82156	54045			22486			61319		
2045	638	700	01529	62362	00715	11000		71599				22481			62429		
2027	660	800	01520	13334	82159	51858		56364				21286			69219		
2009	680	900	08039	20020	00705	13426		82557	55757	55867		21375			69219		
7002	689	930	08039	20020	61008	14422	1460C	82558	55757	56060	56499	21376			69119		
2015	692	1030	01439	20020	90604	12290		61922	55899			22527			69109		
2030	690	1100	01419	20020	00508	12480		61820	55899			22493			69109		
2046	686	1130	01419	20020	00406	12280		61830	55899			22578			61319		
2060	682	1200	01419	20061	01108	12360		81850	56099			22487			63319		
2077	696	0615	01517	20120	00710	14324	14200	81830	81560	76465	19999	22485		50009			
2070	707	0545	01516	20120	70711	13324		81658	55758	19999		22487		50009			
2064	718	0615	01516	20181	00808	13337		81525	81460	75859		22488		50019			
2056	729	0645	01516	20120	00810	13227		81525	81460	76465		22490		50010			
2049	739	0715	01516	20120	00906	1237X		81540	76465			22486		50010	62332		
2041	751	0745	01517	81120	00906	12580		81540	76062			22200		50010	62222		
2053	778	0845	08609	10020	31615	13214		81630	81558	17070		21466					
2058	786	0915	08609	10010	31615	13213		81630	81558	56565		21470					
2064	793	0945	08609	10010	31612	13213		81630	81558	19999		21478					
2076	763	1045	01516	20161	00816	14325	144XX	81530	81260	76364	19999	22487		50006	62432		
2081	148	1115	01515	62120	70620	13330		81217	81262	76062		22200		50009	62542		
2082	731	1145	01516	20162	00715	13328		81525	81560	76062		22488		50009	62442		
2083	718	1215	01516	20120	00815	13353		81525	76062	19999		22484			62432		

AIRCRAFT WEATHER REPORTS

2 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	^{4}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	CbNNN	CbNNN	CbNNN	CbNNN	2TTDD	4N$_0$S$_p$N$_c$S$_w$	5jPPP	69F59k	7d$_r$d$_s$S$_p$s	8Cm$_0$C$_r$
2095	683	0730	01516	10081	70613	12430		80140	46767			22582			60119		
2107	691	0800	01567	10281	70515	12250		81030	46767			22486			62329		
2123	700	0830	01518	10210	70612	13112		81220	46767	18585		22486			62329		
2135	709	0900	01518	10110	90614	13213		81420	46767	18585		22386			62329		
2148	719	0930	01518	10110	70810	12240		81420	18585			22386			62329		
2137	726	1000	08109	10010	72506	12310		81530	18585			21632			62339		
2121	735	1030	08109	10010	70804	12110		81525	18585			21371			62339		
2105	743	1100	08109	10010	71113	13213		81557	65056	18585		21465			62339		
2089	750	1130	08109	10010	70516	12360		81562	18585			21362			62339		
2078	760	1200	08190	99585	30821	11100		89999				21100				70705	
2070	747	1230	01519	10283	70903	12410		80962	18585			22680			62229		
2070	725	1300	01519	10210	70915	13322		81457	47070	18585		22591			62229		
2074	706	1330	01519	10210	70917	12330		81467	18585			22690			62229		
2082	689	1400	01519	10210	70913	12330		91470	18585			22680			62229		
NAVY																	
2075	678	0815	01518	10010	30810	13435		81830	76264	17599		22576		56011	62311		
2061	678	0845	01518	10110	60809	13455		81840	76264	17599		22584		58512	62311		
2046	678	0915	01518	10110	30811	13214		81840	91860	76264		22580	49178	56011	62311		
2032	679	0945	01518	10010	60906	12310		81840	76264			22483		58510	62211		
2018	680	1015	01518	10010	30905	12210		81840	76264			22484		56011	62111		
2010	687	1045	08128	10010	00910	11210		81550				21464		58010	62111		
2011	701	1115	08123	10010	00910	11300		81850				21467		56009	62111		
2013	715	1145	08128	10010	60816	11300		81850				21454		58010	60001		
2014	729	1215	01818	10000	60910	11300		81850				21454		56001	60001		
2021	724	1245	01518	10081	30806	11300		81850				22588		58516	60001		
2031	716	1315	01518	10010	00806	11310		76264				22586		56009	60001		
2046	708	1345	01518	10010	60705	13413		81456	91862	76264		22590		58513	62111		
2058	699	1415	01518	10010	30707	13311		81856	91862	76264		22588		56009	62111		
2070	689	1445	01518	10081	60709	13214		81856	91862	76264		22589		58515	61211		
2082	681	1515	01518	10081	00709	13214		81856	91862	76264		22593		56006	61311		

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5 JULY 1946

No ARMY/NAVY FLIGHT 3-4 July

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSWH	d_w dvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNN	ChhNN	ChhNN	ChhNN	2TTWU	4N$_s$s$_w$N$_c$s$_w$	5jPPP	6RFSRk	7d$_r$d$_r$s$_w$A	9CnD$_s$D$_r$
2076	681	0645	01576	61162	01316	12840		81860	56099			22486			63429		
2064	683	0715	01294	62165	02130	12900		71218	75699			21900			65759		
2051	688	0745	01095	64164	02423	11000		71699				22000			65649		
2038	691	0815	01517	20164	02421	12200		61622	75699			22298			65539		
2025	695	0845	01596	62165	02207	12700		81550	75699			22582			65319		
2011	696	0915	01519	20061	02306	12690		61720	75899			22485			65319		
7007	696	0945	01519	20062	00000	12460		82045	75899			22486			69109		
2009	678	1045	08039	61020	42504	12570		82051	56299			21262					
2022	666	1115	08039	20020	62506	12480		82056	56299			21279					
2033	654	1145	03018	20020	71810	11000		76099				21375					
2053	630	1245	01518	20020	03218	12800		61520	75099			22200			67539		
2061	642	1315	01516	20061	02816	12600		61823	75099			22100			66427		
2072	656	1345	01578	20161	02320	13450		61620	75055	55899		22488			65539		

AIRCRAFT WEATHER REPORTS

8 JULY 1946

NO NAVY FLIGHT 6-7 July; NO ARMY FLIGHT 2-8 July

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	waSWN	^{d}w ddvv	1kN$_1$N$_2$N$_5$	1kN$_1$C$_2$N$_3$	ChhNN	ChhNN	ChhNN	ChhNN	STTUG	4W$_2$S$_w$N$_c$S$_w$	6JPPP	GGFSSL	7S$_p$d$_s$S$_s$A	8Cn$_3$S$_r$
2096	672	0600	01519	10281	70917	13231		81418	81659	19999		22492			69921		
2108	633	0630	01517	20281	70919	13243		81659	02530	29999		22395			69931		
2116	655	0700	01517	81220	90921	13271		81859	61330	29999		22493			69932		
2116	655	0730	08129	20281	91023	13274		81899	61456	76364		21394			69939		
2119	674	0800	08109	10020	71111	12110		81824	17677			21455					
2121	692	0830	08109	10010	71114	12210		81830	17677			21444			69939		
2123	703	0900	08109	10010	91016	13215		81845	91899	76365		21388	40084		69922		
2126	721	0930	08109	20020	71218	13216		81845	91899	76365		21481	40084		69922		
2130	740	1000	09909	10020	71218	14211	14100	81840	91899	56363	19999	21154			69932		
2117	758	1045	01508	10210	70820	13212		81622	56363	19999		22484			69932		
2103	776	1130	01508	10210	70715	12220		81620	19999			22487			69932		
2093	771	1200	08109	10020	70609	13112		81620	91668	17576		21556			69939		
2082	755	1230	08139	20020	09999	12820		69957	99970			21100	40089				
2070	740	1300	08109	10320	09999	13121		81840	91870	17576		21471					
2074	725	1330	01518	20220	09999	12380		81316	63060			22490	49300		69919		
2082	705	1400	01517	20261	92307	14282	14000	81316	62099	91399	76399	22496			69919		
2084	689	1430	01570	62261	70217	12400		81316	62599			22300			69919		

AIRCRAFT WEATHER REPORTS — 9 JULY 1946

NAVY

QLLL	III	TIME (LOCAL)	hhhf$_c$	wwBNH	d_w ddvv	$1kN_1N_2N_3$	$1kN_1N_2N_3$	CbhNH	CbhNH	CbhNH	CbhNH	2TT^{ww}	$4N_hC_hN_cB_w$	5JPPP	6DF8Bk	$7d_1d_1S_wA$	$9CaD_gO_T$
2082	655	0730	01517	20181	00712	13453		81260	76062	19999		22490		50008	62322		
2089	639	0800	01567	20120	30813	13532		81258	55858	19999		22488		50006	62322		
2090	625	0830	01508	10020	30712	1232X		81640	19999			22485		50009	62321		
2090	610	0900	01508	10110	31016	1253X		81556	19999			22487		50000	62422		
2091	578	0930	01508	10110	31012	1243X		81550	19999			22485		50009	62422		
2092	595	1000	01518	20110	00907	13543		81558	76062	19999		22487		50009	62222		
2085	585	1030	01565	83120	31109	13663		81462	76062	19999		22200	49184	50009	62322		
2072	605	1100	01564	83183	01308	13468		81622	81263	75961		22200		50009	63225		
2068	627	1200	01573	85283	32725	1280X		80565	75863			22100	41329	50008	66646		
2052	637	1230	01518	85285	32725	13600		60212	81065	75961		22100		50007	66646		
2040	650	1300	01518	20085	73013	1427	143XX	61522	81565	75961	19999	22486	49127	50008	65439		
2053	658	1330	01518	20120	03005	13217		61522	81560	76061		22485		50008	66229		
2068	668	1400	01518	20120	02506	13334		81558	55860	19999		22484			65229		
2079	674	1430	01518	10120	01012	13434		81558	55860	19999		22485	41184		62339		

AIRCRAFT WEATHER REPORTS

10 JULY 1946

NO FLIGHT ON 9 JULY

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSNN	^{d}w ddvv	$1sn_1E_2E_3$	$1sn_1E_2E_3$	CbNNN	CbNNN	CbNNN	CbNNN	2TTSN	$4H_sO_wH_sO_w$	5jPPP	66F66k	$7V_vA_vR_vA$	$8Cn_0O_p$
2093	672	0545	01507	10210		13313		81723	82060	19999							
2099	668	0600	01508	10210	80618	13314		81730	82060	19999		22588			62221		
2106	662	0615	01407	10210		12350		81730	19999								
2111	656	0630	01407	10281	70719	12360		81740	29999			22587			62219		
2116	654	0700	08409	10010	71105	12380		81725	56565			21550					
2119	650	0730	08409	10010	71106	13316		81725	65556	56565		21646					
2123	646	0800	08509	10010	71310	12340		81725	18080			21636					
2112	701	0830	08409	10010	71309	12230		81552	18080			21734			69919		
2125	716	0900	08509	10010	71416	13411		82565	66065	18080		21641			69919		
2129	732	0930	08529	10010	71318	13611		82556	82063	18080		21072					
2126	744	1000	01308	10210	70915	11400		82052				22585			62232		
2117	756	1030	01307	81210	70817	11500		82050				22588			62232		
2109	767	1100	01466	81481	70922	13811		81559	91099	18080		22593	40089		62232		
2101	779	1130	01408	81281	71112	13411		81540	81561	18080		22583			62189		
2089	769	1200	08409	10110	71106	13311		81540	81561	18080		21666	40085				
2076	757	1230	08409	10110	70000	13311		81550	81562	18080		21489					
2064	744	1300	08209	10010	70000	13311		81530	81559	18080		21581					
2064	731	1330	01309	10281	70803	12330		81550	18080			22590			69909		
2071	717	1400	01309	10210	70000	12320		81545	18080			22687			69919		
2077	702	1430	01309	10210	70503	13313		81545	82060	18080		22589			69919		
2083	688	1500	01208	10210	73305	13312		81545	82060	18060		22689			69919		

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11 JULY 1946

No NAVY FLIGHT 10 July

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNH	ChhNH	ChhNH	ChhNH	2TTUU	4N$_s$s$_s$N$_c$s$_w$	5jPPP	6DFSDk	7d$_r$d$_s$s$_w$A	9Cak$_s$0$_r$
2110	668	0400	01509	10010	90516	11300		81520				22486					
2111	659	0430	01509	10010	09999	11300		81520				22487					
2116	655	0445	01509	10110	90720	11300		81522				22491					
2116	655	0500	08019	10010	90918	13211		81522	81557	19999		21467					
2118	667	0600	08009	10010	09999	13211		81830	56767	18080		22534					
2121	687	0630	08090	20210	09999	11000		76899				21096					
2125	707	0700	12418	20372	00829	13200		81825	91899	76499		20665	40094			70999	
2129	723	0730	09918	20020	71125	13267		81859	56464	29999		21621					
2130	740	0800	09918	20020	71021	13115		81825	81899	56464		21168					
2119	754	0830	01508	20020	70913	14515	14700	81527	81558	05656	29999	22487					
2110	766	0900	01577	61261	71116	14253	14700	01222	64070	56465	29999	22398					
2102	777	0930	01577	61261	71116	13544		81358	56565	29999		22496			69931		
2091	766	1000	08819	20320	09999	14213	14300	81857	91880	56667	29999	21393			69913		
2084	753	1030	08109	10110	09999	14111	14100	82030	92076	56868	18080	21487			62312		
2070	740	1100	08109	20110	09999	13213		82058	82099	56161		21389			69912		
2072	716	1130	01509	10210	90903	12210		81640	19999			22486			69909		
2078	700	1200	01509	10010	09999	12130		81520	19999			22592			69919		
2084	686	1230	01509	10110	70614	12120		81630	19999			22592			69915		
NAVY																	
2075	660	0645	01518	10110	30714	13322		82056	75860	17599		22492		56008	61311		
2066	648	0715	01518	10181	60510	13311		82056	75860	17599		22494		58512	61211		
2062	648	0745	01518	10161	32617	13452		82056	75860	17599		22496	41174	56008	66421		
2053	633	0815	01518	10110	72718	13356		82056	75860	17599		22493		58313	66531		
2056	621	0845	01518	20120	73122	12200		81850	76062			22396		56009	67531		
2053	608	0915	01518	20181	33020	12200		81850	76062			22394		58510	67421		
2061	594	0945	01518	2012[illegible]	72916	12300		81840	76062			22394		56008	66421		
2067	582	1015	01518	20020	32915	12300		818-0	76062			22492		58513	66311		
2070	572	1045	01518	20081	72614	12300		81850	76062			22494		56009	66421		
2074	558	1115	01518	20061	32516	12300		81850	76062			22396		58510	66421		
2077	563	1145	01518	20120	72416	12200		81850	76062			22395		56010	65421		
2078	578	1215	01518	61161	32323	12200		81856	76062			27397		58506	65531		
2078	596	1245	01518	10110	72813	13282		81856	76062	17599		22492		56010	66311		
2081	608	1315	01518	10110	32914	13382		81856	76062	17599		22491		58506	67421		
2082	621	1345	01518	61120	70514	13262		81856	76062	17599		22496		56009	61421		
2083	634	1415	01518	10120	30514	13272		81856	76062	17599		22492		58506	61311		
2087	650	1445	01518	10010	70609	13264		82056	76062	17599		22492		56009	61211		
2087	664	1515	01518	10010	30607	13264		82056	76062	17599		22490		58504	61211		

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NAVY

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	^{4}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_1$H$_2$H$_3$	ChHNH	ChHNH	ChHNH	ChHNH	2TTNH	4N$_s$h$_s$N$_c$h$_c$	5JPPP	6RFSSk	7E$_s$d$_r$s$_s$A	8Ca$_3$e$_r$
2060	666	0745	01509	10183	00000	12480		81557	27099			22491			60012		
2071	655	0815	01409	10110	00805	12480		81550	17399			22482			68216		
2062	643	0845	01418	10183	33106	14314	14600	81540	81559	64045	17399	22494			67216		
2060	621	0945	02028	20220	09999	13643		81560	64245						67636		
2066	608	1015	01519	20120	03126	14116	14400	81561	64245			22477			67636		
2073	598	1045	01519	10110	33114	13123		81530	45758	45960		22383			67426		
2060	587	1115	01519	10110	03112	13173		81540	45859	27299		22568			67425		
2087	575	1145	01518	20120	03104	12280		81535	45960			22375			67211		
2082	590	1215	01519	20120	32910	12190		81530	45860			22461			66311		
2087	607	1245	01519	20120	32915	12270		81599	75860			22481			66421		
2087	623	1315	01508	10183	32918	13414		81550	45859	27299		22491			66521		
2088	644	1345	01508	10110	00000	12370		81550	27299			22587			60011		
2088	657	1415	01508	20110	00000	13126		81535	81563	27099		22584			60011		

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12 JULY · 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ '	wwSHH	^{d}w ddvv	1k$H_1H_2H_3$	1k$H_1H_2H_3$	ChHNN	ChHNN	ChHNN	ChHNN	2TTHH	4$H_sS_wN_cS_w$	5JPPP	6DFSBk	7$h_rd_rS_wA$	9ChD$_a$D$_r$
2094	672	0400	01518	10210	80916	12320		81335	18080			22489					
2101	667	0415	01518	10210		12320		81335	18080								
2108	661	0430	01518	10210		12240		81335	18099			22495					
2116	654	0445	01570	81381	91020	12480		81345	18099								
2116	654	0530	01520	62362		13240		81360	65657	76565		21090					
2119	673	0600	08139	10062	31312	13414		81556	46565	18080		21381			62599		
2122	688	0630	08139	10010	71020	14512	14200	81558	91570	46262	18080	21481			62499		
2124	702	0700	08139	10081	71020	13531		81559	46565	18080		21463			62444		
2127	719	0730	08139	10010	71022	13211		81558	46565	18080		21470			62449		
2129	734	0800	08139	10062	71022	13435		81556	46565	18080		21477			62449		
2124	748	0830	01516	10210	70715	12410		81840	18080			22486			61449		
2115	760	0900	01516	10210	70722	13312		81840	46565	18080		22490			61449	71521	
2107	771	0930	01560	81383	70724	14244	14400	80820	90870	46565	18080	22400			61449		
2096	776	1000	08138	10181	71110	14122	14300	81545	91570	55858	18080	21495			69339		
2084	764	1030	08109	10010	71615	13211		81558	65656	46868		21378			60019		
2072	752	1100	08109	10010	71715	13121		82035	56565	18080		21378			60009		
2060	740	1130	08109	10010	71009	13132		82030	56565	18080		21478			60009		
2066	722	1200	01509	10010	71106	11200		82030				22583			60009		
2075	704	1230	01509	10010	71205	13111		82030	82059	65656		22584			60009		
2082	689	1300	01509	10010	71205	12220		82030	18080			22585			60009		

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NO NAVY FLIGHT 12 JULY

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	^{d}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_1$H$_2$H$_3$	CaNNH	CaNNH	CaNNH	CaNNH	STTUU	4N$_s$s$_s$N$_c$s$_c$	5jPPP	60FSSk	7P$_r$d$_r$s$_r$A	8Ca$_s$s$_r$
2094	671	0400	01509	XXXXX	80920	12320		81635	19999			22586					
2100	666	0415	01519	10110	09999	13411		81540	59999	19999							
2107	661	0430	01509	10110	09999	11300		81540				22488					
2113	665	0445	01508	20110	91219	12220		81530	59999			22491					
2115	665	0600	20009	10010	90612	13312		81530	57273	18080		21073					
2118	679	0630	20809	10010	70608	12330		81530	18080			21059			69299		
2122	698	0700	20829	20020	70711	13231		81540	63050	18080		21013			69929		
2126	716	0730	20809	10020	70610	12210		81540	18080			21207			69929		
2128	735	0800	20809	10010	70610	11200		81540				21305			69929		
2120	753	0830	08109	10010	70603	12210		81540	28080			21452			69939		
2112	764	0900	01508	10210	70712	12210		81537	28080			22487			69931		
2103	776	0930	01508	10210	70811	13211		81540	56767	28080		22588			69931		
2089	768	1000	08119	20110	70512	14311	14600	81558	81565	55959	28080	21583			69919		
2077	757	1030	08146	81120	70807	13027		69956	99999	46499		21300	49000			71897	
2065	745	1100	01516	81181	70000	14221	14600	62040	92099	05758	46499	21580					
2063	732	1130	01509	10281	70000	12220		81645	19999			22591	19200		69919		
2069	721	1200	01509	10210	72006	13311		82050	56565	19999		22584					
2072	700	1230	01516	81210	71404	11000		81699				22392					
2081	692	1300	01518	20220	71104	13324		81620	56565	29999		22591					
2077	629	0815	08209	10010	81517	14211	14800	81530	81560	46465	17575	21675			69919		
2067	705	0845	08219	10010		13419		81530	81562	27575		21670			69919		
2054	720	0915	08209	10010	80410	13427		81530	81559	17575		21574			69909		
2050	724	0945	08209	10010		14221	14500	81530	81558	65959	17575	21574			69909		
2040	740	1015	08209	10010	80414	14311	14500	81535	81564	46565	17575	21671			69909		
2033	755	1045	01509	10010		14212	[illegible]00	82140	81260	46565	17575	22686			69909		
2040	765	1115	01509	10181	80705	12570		82035	17575			22682			69909		
2047	780	1145	01509	10110	80507	13552		[illegible]2035	46566	17575		22683			69909		
2053	785	1215	01509	81281	80507	13623		[illegible]045	81561	46566		22686			69909		
2065	792	1245	01509	10110	80507	13342		[illegible]035	46263	27575		22684			69909		
2077	780	1315	01578	81181	80310	14525	1480[illegible]	82040	81563	46465	27575	22587			69919		
2083	765	1345	01576	81181	80415	13528		81050	91575	27575			40089		69919		
2088	732	1445	08219	10010	70805	15311	1548[illegible]	62030	82059	92070	56767X	21668			62212		
2087	717	1515	08218	10010	70810	15113	15300	62030	82057	82063	46867XX	21668			62212	72713	
2067	697	1545	08266	81281		15353	15680	62030	82057	91566	46465#	21677			69919	72710	
NAVY																	
2070	673	0645	01536	51020	01610	14728	14500	60815	81462	75860	19999	22100			50010	63323	
2059	672	0715	01518	20051		14117	14900	61015	81460	75759	19999	22482			50010	69119	
2046	666	0745	01509	10020		13113		61555	45759	19999		22482			50010	69115	
2033	662	0815	01509	10010		1222X		61556	19999			22480			50009	69105	
2017	641	0915	08490	62220		14446	14800	61020	81467	75758	75960	21100					
2056	630	0945	08485	62120		13330		61020	81462	75862						67549	
2065	619	1015	08490	64062		11000		75761				21464					
2076	610	1045	08438	20062	62820	1268X		61830	76364			21464					
2085	600	1115	08409	10020	72822	13453		61840	76364	19999							
2092	616	1215	01517	21980	00916	13228		61430	81456	19999		22482			50006	62432	
2092	629	1245	01517	20120	00813	1239X		61430	76364			22100			50007	62432	
2091	642	1315	01516	50120	70810	1239X		61020	76263	19999		22100			50007	62322	
2091	653	1345	01516	20150	00907	12454		61556	76465			22488			50008	62321	

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	nnSNN	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNN	ChhNN	ChhNN	ChhNN	2TTUU	4N$_s$s$_w$N$_c$s$_w$	5jPPP	6DFSDk	7s$_r$d$_r$s$_w$A	9GnD$_g$O$_r$
2094	672	0400	01519	10010	92911	12320	46565	18599				22376			60009		
2099	668	0415	01519	10110		12620	65657	46565									
2105	664	0430	01519	10210		13152	80914	65657	46565			22389			60009		
2111	659	0445	01517	10210		12120	81418	47070									
2114	656	0500	01517	10210	90818	11300	81420					22492			60029		
2116	656	0600	20809	10100	90726	12240	81823	18585				21127					
2120	677	0630	20809	10100	70611	12240	81823	18585				21127					
2123	701	0700	20809	10100	90611	12220	81840	18585				21026					
2125	718	0730	20809	10100	30610	12310	81845	18585				21520					
2127	738	0800	04809	10100		12310	81845	18585				21871			62339		
2122	751	0830	01517	10281	21112	13330	81545	46565	18585			22391			62449		
2112	764	0900	01517	10210	70912	12200	81558	18585				22489			62449		
2113	777	0930	01517	10283	70913	13130	81558	56565	18585			22483			62449		
2090	770	1000	08190	64564	70130	12400	81560	79999				21800			60119		
2078	754	1030	08176	64364	30130	13350	81560	79999	18585			21597			69939		
2060	740	1100	08190	64364		11100	79999					21500					
2065	729	1130	01590	64385		11000	80999					22300					
2074	714	1200	01574	64385	71413	11000	79999					22300					
2080	699	1230	01575	63364	70512	12300	80913	79999				22300			62449		
2066	682	1300	01575	63364	70516	13120	80913	79999	19999			22497			62449		
NAVY																	
2064	672	0745	01518	10081	31210	1321'		82030	82058	76062		22490		56007	63211		
2054	667	0815	01518	10010	61410	13116		82030	82058	76062		22589	49378	58515	63311		
2042	664	0845	01518	10010	31614	13115		82040	82058	76264		22586		56007	63411		
2031	661	0915	01518	10010	61612	13315		82040	92058	76264		22588		58513	63421		
2038	651	0945	01518	10010	31709	13341		82056	76264	17599		22586		56006	64311		
2048	640	1015	01518	10010	61709	13331		82056	76264	17599		22587		58516	64211		
2060	627	1045	08128	10010	31607	13313		82056	92060	76264		21560		56007	63111		
2069	616	1115	08128	10010	01609	14313	14300	82056	92060	75658	76264	21558		58012	63111		
2081	605	1145	08128	10110	31910	14314	14600	82056	92060	75658	76264	21562		56007	64111		
2087	605	1215	08128	10110	62006	14435	14600	82056	92060	75658	76264	21563		58012	64111		
2087	618	1245	01518	10063	31414	13163		82056	76264	17599		22592		56003	63311		
2087	631	1315	01518	10010	71311	13462		82056	76264	17599		22588	46988	58512	63411		
2087	645	1345	01518	10010	31315	13363		82056	76264	17599		22586		56007	63421		
2087	658	1415	01518	10010	71213	13453		82056	76264	17599		22587		58512	63421		

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QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNH	^{d}w ddvv	1k$N_1N_2N_3$	1k$N_1N_2N_3$	CbNH	CbNH	CbNH	CbNH	8TTNH	4$N_hC_hN_mC_mN_lC_l$	5JPPP	69F59k	76$_{P_1}A_{P_1}P_{P_2}A_{P_2}$	9GnO$_c$O$_r$
2098	670	0345	01317	10110	91122	12300		81540	19999			22588					
2104	664	0400	01317	10110		12300		81540	19999								
2111	659	0415	01208	10110		11100		19999				22585					
2114	654	0430	01208	10110	91115	11300		19999				22584					
2120	675	0530	01209	10010		13212		81545	82066	17575		21112					
2123	696	0600	01209	10010		14213	14100	81540	82067	57575	18181	21210					
2126	715	0630	08309	10010		13262		81557	77575	18080		21540			69919		
2128	731	0700	08369	81381	71812	14632	14200	63540	81559	46667	17575	21462					
2126	745	0730	01467	81381	70922	13427		81856	81561	46263		22491	40086		62299	73612	
2118	756	0800	01218	81381	70826	13270		81825	46263	27575		22985			62329		
2110	766	0830	01267	81361	70819	13448		81059	46364	27474		22397			69919	72314	
2101	779	0900	01467	81381	70716	13340		62535	81059	46364		22396			62329		
2089	769	0930	08108	10010	71115	14212	14800	81525	62535	81560	27575	21575			69919		
2076	756	1000	08109	10010	70808	13325		81545	82061	46364		21571			69919		
2065	745	1030	08109	10010	71410	13326		81557	62035	46364		21573			69919		
2064	731	1100	01409	10210	72606	12520		82057	46364			22587			69909		
2070	710	1130	01409	10210	72710	12210		82035	19999			22578			69909		
2075	706	1200	01409	10210	72109	13113		91563	46364	19999		22578			69919		
2081	691	1230	01409	10210	72106	12110		82025	46364			22589			69919		
NAVY																	
2072	673	0645	01518	10183	00704	14226	14300	81630	81658	46061	27099	22489			62215		
2059	667	0715	01518	61266	01714	15325	15340	81525	81660	75860	46060*	22200	49284		64429		
2046	663	0745	01518	20161	32117	13150		81520	75758	26870		22579			65521		
2034	661	0815	01518	62162	00000	13230		81040	04550	76199		22200			69019		
2037	653	0845	01054	64262	30215	11000		70699				22200			68429		
2045	642	0915	01584	64266	00204	12300		80514	75699			22200			68219		
2053	633	0945	01518	20163	01015	13249		80516	45859	26899		22568			62529		
2064	619	1015	01518	20183	01014	13763		81550	46263	27099		22565			62429		
2079	604	1045	01518	20120	30911	14211	14300	81635	81563	46263	17099	22573			62429		
2089	591	1115	01518	10120	31016	12450		81520	01520			22582			62429		
2090	602	1145	01518	20110	01015	12660		81635	27090			22587			62429		
2089	617	1215	01518	20120	01008	12570		81535	27090			22591			62329		
2089	633	1245	01518	20120	01013	13418		81363	81363	46061		22591			62429		
2088	647	1315	01275	83283	01018	14522	14300	81356	81356	81363	27299	22200			62539		
2088	660	1345	01266	20283	31414	13334		45759	45759	76263		22593			63429		

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QLLL	III	TIME (LOCAL)	hhhf$_6$ V	wwBWW	^{6}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_4$H$_5$H$_6$	CkHHH	ChHHH	- ChHHH	ChHHH	8TTHH	4N$_8$C$_h$H$_c$R$_h$	8JPPP	8BF80k	7$_6$P$_7$P$_8$P$_9$A	9CaR$_8$0$_7$
2096	670	0400	01508	10110	80812	12330		81320	47070			22491			69929		
2103	665	0415	01508	10110		12310		81520	47070								
2109	660	0430	01508	10110		11300		81520				22489			60019		
2116	654	0445	01508	10210	90812	11300		81520									
2116	654	0530	01508	10010		12310		81520	18585								
2119	666	0600	01508	10010	91408	12320		81520	18585			21106					
2123	684	0630	08138	10010	71215	12360		81530	56363			21371					
2126	699	0700	08139	10010	71208	12340		81535	46363			21294			69949		
2130	715	0730	08139	10081	71220	14323	14400	81520	05656	46363	XXXXX	21194			69559		
2135	729	0800	08119	10061	71334	13654		56161	46464	18585		21290			62559		
2138	743	0830	08181	62262	71225	11000		79999				21300			60009		
2136	757	0900	01516	62261	71023	12500		81545	79999			22400			62559		
2129	768	0930	01590	64264	71516	11000		79999				22400			63559		
2122	780	1000	01590	62264	70912	13120		81545	56060	79999		22598			62339		
2114	793	1030	01517	10262	70915	12420		81462	18585			22497			62449		
2106	794	1100	08199	10262	70912	13424		81463	46565	18585		21392			69949		
2097	778	1130	08199	10010	71608	12430		81463	18585			21288			69929		
2087	762	1200	08199	10010	71706	12330		81545	18585			21486			69929		
2081	742	1230	08199	10010	72106	12320		81540	18585			21381			69229		
2083	726	1300	08199	10010	72306	13111		81530	05656	46565		21372			69229		
2085	712	1330	08199	10010	72310	11000		81518				21472			60009		
2086	696	1400	08199	10010	72709	12110		81518	18060			21475			60009		
NAVY																	
2071	673	0900	01508	10210	73813	13211		61825	81660	56061		22492		50010	62452		
2057	668	0930	01508	10161	01510	1231X		81655	19999			22490		50010	63333		
2044	664	1000	01508	10181	71614	1231X		81658	19999			22493		50009	63433		
2033	658	1030	01508	10110	71817	13323		81625	81560	75758		22486		50009	64439		
2059	635	1130	08471	64381		14468	149XX	61440	91468	75864	19999	21300					
2070	620	1200	08480	64584	61726	15488	1589X	61440	81268	75860	76264*	21300					
2082	613	1230	08480	64584	71728	15389	1580X	61440	81075	75860	76364*	21100					
2096	601	1300	08437	20064		12349		61440	76364			21200					
2094	631	1400	01515	81120	01213	13219		61425	76364	61520		22200		50008	62333		
2092	645	1430	01515	81181	71212	12249		61425	76364			22200		50008	63333		
2089	660	1500	01517	20130	01215	1139X		61425				22486		50008	63333		

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*27575 5th Cloud Group

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ALLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNN	^{4}w ddvv	$1n_1n_2n_3$	$1n_1n_2n_3$	CbhhH	CbhhH	CbhhH	CbhhH	STTUU	$0k_1k_2k_3k_4$	5JPPP	60F80t	$7d_1d_2s_1s$	$80n_0n_r$
2095	671	0615	01509	10110	09999	12310		81535	19999			22592					
2100	666	0630	01509	10110	92206	12310		81535	19999								
2107	662	0645	01509	10181	09999	13211		81556	04040	59999		22482					
2113	657	0500	01517	81181	09999	14323	14200	01216	81556	64050	56464						
2116	655	7615	01577	81281	92920	13712		61599	81557	56464		22200					
2116	655	0600	17077	20081	91432	15326	15640	81530	05858	75962	76670*	21172					
2117	666	0630	17068	20020	09999	14326	14400	81530	81560	76670	29999	21200					
2121	684	0700	09078	81381	09999	14325	14300	81540	81562	75962	19999	21282					
2124	699	0730	08119	20120	70919	14221	14300	81540	81562	05858	46767	21492					
2129	715	0800	08118	20220	71312	13218		81540	56565	29999		21558			69939		
2134	731	0830	08118	20120	71217	13115		82040	82064	29999		21568	40084		69929		
2136	743	0900	08109	10120	71015	13122		82030	92070	19999		21550			69929		
2129	768	0930	01518	20220	70721	13123		81525	46464	19999		22586			69939		
2117	788	1000	01508	10210	70619	13111		81520	91568	19999		22591			69939		
2110	800	1100	01508	10210	70620	12210		81525	19999			22592			69933		
2100	788	1130	08109	10010	09999	13213		82040	82059	18080		21475			69919		
2090	766	1200	08109	10010	09999	15121	15120	82030	82050	92070	06060**	21462			69919		
2080	750	1230	08129	20310	09999	14621	14500	65057	99970	56767	19999	21396				71013	
2082	725	1300	08109	10010	09999	15111	15110	82059	92075	65859	46767	21383					
2086	709	1330	08109	10010	92508	13212		81850	05757	19999		21492			69919		
2089	698	0545	01518	20181	62018	14131	14300	81520	81556	56667	28585	22490					
2088	711	0615	01509	20181	60912	13328		81520	81545	28585		22588			62211		
2089	727	0645	01518	81220	60710	14221	14000	81520	81550	91070	28585	22592			62111		
2090	743	0715	01509	10110	70608	13312		81520	81559	18585		22590	40088		62121		
2086	755	0745	01518	81181	71105	13324		81550	81262	28585		22589			62121		
2077	766	0815	01509	10181	71010	13212		81530	81558	28585		22589			62112		
2068	777	0845	01518	81111	71009	13241		81530	81559	18585		22683			62112		
2060	788	0915	01508	10181	71010	12320		81530	81562			22585			62112		
2047	787	1015	08108	10110	71112	14311	14300	81530	91570	05657	56262	21588			69949		
2042	765	1045	08128	10110	71210	14311	14100	81530	81560	05657	18585	21567			69949		
2039	746	1115	08108	10110	71013	14211	14300	81545	91570	05056	76162	21584			69949		
2035	724	1145	08108	10010	91916	13116		81530	81560	76162		21676			69929		
2051	706	1215	08108	10010	92214	13113		56061	81516	81535		21672			69949		
2043	691	1315	01517	10181	72908	13214		81520	44550	18585		22576			61113		
2068	686	1345	01518	10181	72806	13123		81520	04050	28585		22488			61199		
2071	681	1415	01509	10010	72506	13110		81520	56060	28585		22582			66199		

*5th Cloud Layer 29999
**5th Cloud Layer 19999
#5th Cloud Layer 19999

AIRCRAFT WEATHER REPORTS

17 JULY 1946

NAVY

QLLL	III	TIME (LOCAL)	hhhf$_e$ V	wwBNN	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	CnNNN	CnNNN	CnNNN	CnNNN	2TTNN	4N$_8$N$_9$N$_C$N$_w$	5JPPP	6DF39k	7a$_r$A$_r$s$_w$A	8CnD$_8$D$_r$
2072	668	0645	01518	10110	32514	13413		81822	91860	76264		22390		56009	65311		
2060	660	0715	01518	10110	72510	13413		81822	91860	76264		22389		58513	65311		
2050	654	0745	01576	64263	33010	13330		81022	81058	76264		22297	49283	56009	65311		
2038	646	0815	01518	20164	73212	13120		81822	81858	76264		22393		58513	66421		
2033	639	0845	01518	20020	33210	13220		81830	81858	76264		22390		56009	66311		
2045	633	0915	01518	20020	73309	13220		81830	81858	76264		22486		58510	66311		
2058	625	0945	01518	20120	33408	13220		81825	81860	76264		22490		56008	66311		
2070	619	1015	01518	20120	70006	13130		81825	81860	76264		22487		58514	67211		
2085	613	1045	01518	10020	32514	13337		81840	81860	76264		22489		56009	67211		
2089	619	1115	01518	10010	72222	13326		81850	81860	76264		22391		58509	65421		
2089	632	1145	08128	10010	01812	13324		81840	81860	76264		21463	49275	56009	65421		
2088	637	1215	08128	10010	01610	13213		81840	81860	76264		21466		58020	64311		
2088	666	1245	01818	10010		12280		82040	76466			22465		56009	64311		

AIRCRAFT WEATHER REPORTS

18 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBBR	d_w ddvv	$1k_1H_2H_3$	$1k_1H_2H_3$	ChhHH	ChhHH	ChhHH	ChhHH	STTBW	$cN_hC_LH_sB_w$	SjPPP	SOPSSk	$T_wA_xB_wA$	$SCnD_sD_r$
2088	697	0445	01509	10010		12470		61630	27676			22493					
2088	712	0515	01509	10010	80406	12240		61630	27474			22586			61211		
2087	726	0545	01509	20010	70108	13219		81635	46465	27475		22482			68321		
2088	740	0515	01518	61020	90208	13179		01525	76466	27475		22591					
2090	755	0645	01593	62061	90208	12200		01016	76268			22200					
2079	767	0715	01519	20162	00305	13160		81530	46465	27475		22572	44179				
2068	779	0745	01569	20020	00604	14127	14000	81057	65758	56565	27576	22490				70923	
2058	791	0815	01519	20020	00503	14228	14000	01520	46263	76769	27599	22587					
2046	781	0915	08174	61161		14226	14000	81562	65759	46465	29999	21000	44283				
2042	760	0945	08119	20020	70912	15111	15780	61255	82062	92070	46465*	21377	44309				
2038	742	1015	08159	20020	71206	15221	15880	61825	82059	92070	46566**	21367					
2031	729	1045	08159	10020	71206	14321	14700	02030	92070	46263	27374	21574				78182	
2030	710	1115	08159	10010	71018	14415	14500	62035	92070	46465	17273	21579			68437		
2050	692	1215	01517	51010	73122	12100		01825	64599			22370	44300		67535		
2066	688	1245	01593	62151	73016	11000		71099				22100	40080				
2078	681	1315	01519	20061	03108	14216	14600	82040	92070	56263	27676	22588	44200		67223		
2094	672	0145	01509	10010	93120	12320		81225	18585			22399					
2095	672	0530	01508	10010	90119	12560		81225	18585			22392					
2101	668	0545	01508	83181		12530		81350	18585								
2109	662	0600	01508	81181		12420		81457	18585						60019	70911	
2115	657	0615	01590	85383	90716	11100		89999									
2118	668	0700	13839	10589	91140	15243	15210	91399	81345	65757	56464#	21386			69939		
2120	682	0730	13809	10010	90847	12320		81535	18585			21354			69929		
2125	701	0800	13809	10010	70719	13335		81540	65757	18585		21370			69929		
2131	716	0830	08129	10010	70507	13352		81556	65757	18585		21655			69929		
2134	731	0900	08109	10010	70403	12150		81520	18585			21378			62449		
2140	748	0930	08109	10010	70808	12100		81520	18585			21378			62449		
2134	760	1000	01507	10110	71011	12360		81540	18585			22488			62449		
2126	773	1030	01508	10110	71014	12280		81540	18585			22488			62339		
2119	786	1100	01508	10110	71115	13147		81545	76464	18585		22488			62339		
2111	798	1130	01507	10110	71115	13146		81535	76464	18585		22488			62339		
2101	785	1200	08118	10110	71106	13223		82035	56464	18585		21462			69339		
2092	770	1230	08116	62100	71022	12170		82025	79999			21560			69339		
2081	752	1300	08117	10162	71022	11000		76464				21665			69229		
2082	731	1330	08118	10110	70911	13210		82057	56464	28080		21471			62449		
2084	714	1400	08118	10110	70809	13228		82056	92075	18585		21460			62339		
2085	696	1430	08118	10110	93023	13224		82058	92075	18585		21462			60009		

* 5th Cloud Layer 27475
** 5th Cloud Layer 27576
\# 18585

AIRCRAFT WEATHER REPORTS 18 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_e$ V	wwSHH	^{d}w ddvv	1kH$_1$H$_2$H$_3$	1kH$_1$H$_2$H$_3$	CbHHH	CbHHH	CbHHH	CbHHH	8TTSU	4N$_s$s$_s$N$_c$s$_c$	5JPPP	6DFSBk	7f$_f$f$_p$s$_p$f$_f$	9CnD$_s$D$_r$
2079	673	0645	01509	10110	02704	13123		81620	46061	27099		22390			66215		
2066	667	0715	01509	10110	03304	13313		81635	46061	27099		22485			67215		
2053	661	0745	01509	10181	33310	13343		81658	46162	27299		22492			67325		
2040	655	0815	01518	20181	33204	13318		81635	91665	27299		22487			67215		
2055	629	0945	08728	10110	00108	14511	14300	81645	81659	46262	17399	21274			66215		
2066	619	1015	08729	10110	00108	14511	00	81630	81660	46061	17399	21274			67229		
2078	609	1045	08729	10110	00110	13421		81657	46061	17399		21278			67229		
2089	599	1115	08729	10110	00110	13321		81659	45960	17399		21275			67229		
2093	631	1245	01509	10110	00000	14312		81629	81662	45960	27299	22490			60019		
2091	649	1315	01509	10110	03204	11709		81657				22491			67119		

AIRCRAFT WEATHER REPORTS

19 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	d_w dddvv	$1sn_1T_1T_1$	$1sn_2T_2T_2$	CbNNH	CbNNH	CbNNH	CbNNH	8TTTW	$4N_sh_sh_sh_s$	5JPPP	6RRRtr	$7E_sE_sE_sE_s$	$8C_sC_sC_s$
2096	671	0550	01566	81291	82221	12450		81250	29999			22492					
2102	666	0545	01566	81281		13320		81220	76199	29999		22585					
2108	601	0400	01517	81210		13516		81235	56299	29999		22587					
2115	654	0415	01517	10210	90410	13325		81235	62530	29999		22685					
2118	659	0530	21609	10010	70714	13315		81540	81067	17878		21415			69919		
2121	677	0600	08619	81210	71107	13325		81540	81063	27878		21215	40082		69919		
2123	695	0630	08518	81281	71311	13317		81530	81062	46566		21479			69919		
2125	709	0700	08319	10210	71313	13337		81530	46566	29999		21567	40086		69919		
2128	726	0730	08409	10010	71209	12120		81525	17575			21659			69919		
2129	741	0800	08419	10010	71008	13232		81525	46869	17676		21664			69919		
2120	754	0830	01209	10281	71212	12310		81535	46869			22585			62219		
2111	765	0900	01309	10261	71210	12510		81555	19999			22589			62219		
2102	777	0930	01309	10281	71108	13322		81532	81565	46465		22586			62219		
2091	771	1000	08309	10210	72107	14121	14100	81535	81564	46465	17878	21475			69919		
2080	760	1030	08209	10010	72208	12350		81525	29929			21485			69919		
2068	747	1100	08309	10281	72106	14113	14500	81525	18562	46465	29999	21379	40086		69919	70341	
2063	733	1130	01309	10210	72502	11300		19999				22590			69919		
2069	720	1200	01318	10210	70000	12360		46465	19999			22586			69919		
2076	709	1230	01118	10210	72403	11100		79999				22586			69919		
2080	696	1300	01219	10210	70000	13136		81525	66768	29999		22583			69919		
NAVY																	
2121	452	0900	01508	61010	71916	12760		81550	55859			22400		50009	64421		
2094	458	1000	01507	10110	01818	12530		81556	55859			22489		50008	64424		
2080	476	1100	01607	10110	72112	12640		81557	46062			22486		50009	65325		
2075	505	1200	01508	10110	02212	12360		81550	46062			22486			65325		
2071	538	1300	01508	10110	02208	12370		81540	17099			22490		50009	65325		
2063	570	1400	01508	10181	72516	12470		81556	46061			22376			66426		
2058	602	1500	01508	10101	02315	12570		81557	46061			22384			66426		
2053	630	1600	01508	10101	02512	12470		81556	46061			22387			66426		

AIRCRAFT WEATHER REPORTS

20 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	$^{d}_{w}$ ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	CnNNN	CnNNN	CnNNN	CnNNN	2TTDD	4N$_s$s$_w$N$_c$h$_s$	5jPPP	6DFSDk	7s$_n$d$_r$s$_w$A	9GgD$_w$s$_r$
2091	675	0345	01719	81120	09999	12360		81540	19999			22492					
2097	670	0400	01577	81281	91805	12550		81550	19999								
2104	665	0415	01519	70281	09999	12410		81550	19999			22496					
2110	660	0430	01319	10181	09999	13217		81450	81558	63065							
2116	665	0445	01419	10110	90712	13111		81530	81559	19999		22596					
2116	665	0515	08119	10110	91215	14111	14100	81525	81556	91561	56161	21174					
2118	673	0600	08319	10110	09999	14111	14100	81530	81558	46161	19999	21384					
2122	690	0630	08419	10110	09999	13111		81540	81560	56565		21379			69919		
2123	707	0700	08419	20120	91218	15122	15160	81540	81556	81560	91599*	21474					
2127	724	0730	08419	20320	71107	14414	14100	82050	82060	46363	19999	21385			69929		
2130	740	0800	08319	20120	72008	14211	14300	82056	02060	05858	29999	21390			69929		
2117	758	0845	01309	10220	71117	12100		81518	81559			22489			69939		
2104	774	0930	01409	10210	71014	13113		81520	46565	29999		22485			69923		
2093	773	1000	08209	20210	70612	14211	14300	82050	82061	46565	29999	21452			69929		
2079	759	1030	08309	10210	70610	15121	15120	82040	82060	82065	46565**	21482			69929		
2065	745	1100	08309	10210	70707	15121	15120	82050	82061	82065	46565#	21378			69919		
2066	725	1145	01309	10210	09999	14111	14100	81517	81550	91570	19999	22583			69919		
2070	718	1300	01309	10210	90610	13111		81517	81550	19999		22583			69909		
2076	704	1330	01309	10210	09999	13111		81517	81550	19999		22592			69909		
NAVY																	
2067	670	0645	01509	10010	62308	1221X		81630	19999			22485		50007	65215		
2055	664	0915	01409	10010	02305	1221X		81575	19999			22484		50007	65215		
2043	657	0745	01409	10010	72207	1222X		81540	19999			22486		50007	65215		
2037	653	0615	01409	10010	02312	13112		61525	81558	19999		22480		50007	63525		
2052	633	0715	08409	10010		13212		61530	81560	19999		21380					
2066	626	0745	08409	10010		13213		61530	81560	19999		21381					
2078	616	0815	08409	10010	60000	13323		61535	81562	19999		21386					
2092	603	0845	08409	10010		13334		81558	55657	19999		21472					
2094	628	0945	01409	10010		1241X		81550	19999			22488		50007	69019		
2094	643	1045	01416	81110	71615	1272X		81262	19999			22200		50006	64439		

* 5th CLOUD LAYER 46162
** 19999
# 19999

AIRCRAFT WEATHER REPORTS

21 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBNN	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChNNN	ChNNN	ChNNN	ChNNN	2TTNN	4N$_o$s$_o$N$_c$s$_w$	5JPPP	6BFSSt	7s$_r$d$_r$s$_s$A	8CsD$_s$D$_r$
NO ARMY	FLIGHT																
NAVY																	
2092	673	0615	01518	10010	01408	12230			82030	17599		22492		56008	63211		
2098	669	0630	01518	10010	71510	12220			82035	17599		22491		58514	63211		
2104	664	0645	01518	10010	31612	12220			82030	17599		22490		56008	63311		
2110	659	0700	01518	10010	71713	13212			82030	92060		22491		58513	63311		
2095	655	0715	01518	10010	31812	13313			81730	81750		22490		56008	63421		
2095	655	0730	08128	10010	71908	13313			81730	81750		21465		58020	64421		
2115	664	0800	08128	10010	31808	13223			81730	81750		21464		56009	64421		
2117	679	0830	08128	10010	71907	13223			81840	81856		21466		58022	64421		
2122	694	0900	08128	10010	31912	13213			81830	81856		21466		56009	64311		
2124	708	0930	01818	10010	71920	13213			81830	81856		22389		58515	64311		
2127	721	1000	01518	10010	31518	13223			81860	76062		22491		56009	63421		
2139	733	1030	01518	10010	71216	12230			81850	76668		22488		58512	63421		
2134	743	1100	01518	10010	31110	12230			81850	76668		22482		56008	63421		
2108	751	1130	08128	10010	71314	13263			81850	76262		21342		58021	63311		
2094	757	1200	08128	20120	31216	13210			81850	91865		21348	49483	56008	63311		
2090	749	1230	08128	20120	71118	13210			81850	91865		21350		58030	63311		
2092	728	1300	08128	10120	31219	13218			81850	91865		21354		56008	63311		
2090	712	1330	08128	10110	71216	13215			81850	91862		21354	49372	58030	63311		
2089	697	1400	01518	10181	31214	12230			81850	76668		22493		56008	63311		
2088	683	1430	01518	10110	71112	12230			81850	76668		22491		58515	62211		

AIRCRAFT WEATHER REPORTS

22 JULY 1946

No Flight on 21 July

QLLL	III	TIME (LOCAL)	[illegible]	mmSHN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2093	673	0345	01317	10261	91704	11300		82040				22489				
2099	668	0400	01317	10210		11300		81725								
2106	663	0415	01317	10210		11200		81925				22489				
2112	659	0430	01317	10210		11500		81825								
2116	655	0445	01317	10210	91614	12320		81835	19999			22489				
2115	656	0530	15008	10010	93608	14312	14200	81535	81870	56464	17575	22278				
2118	674	0600	08309	10010	71409	13225		81545	82058	17575		21368			69919	
2121	689	0630	08419	10010	71209	14222	14700	81535	81564	63030	19999	21274			69919	
2124	704	0700	08409	10010	71008	13111		81525	81564	19999		21267			69919	
2126	719	0730	08509	10010	71012	13111		81525	46363	19999		21367			62229	
2129	734	0800	08409	10010	70816	12210		81530	46464			21648			62229	
2127	748	0830	01409	10210	70612	12210		81525	19999			22383			62229	
2123	762	0900	01419	10210	70912	12320		81530	19999			22481			62229	
2118	775	0930	01409	10210	71013	12310		81525	19999			22495			62229	
2114	788	1000	01509	10210	71214	11400		81535				22494			62229	
2109	797	1030	08309	10010	71309	12240		81550	19999			21534				
2103	781	1100	08319	10010	71210	12460		81545	29999			21468			62229	
2097	761	1130	08409	10010	71211	12425		81550	46667	29999		21375			62229	
2091	743	1200	08419	10010	71111	13320		81540	46667	29999		21378			69919	
2090	725	1230	08419	10261	70913	13230		81525	76768	29999		21369			69919	
2089	707	1300	08518	10210	70914	12100		81520	76599			21377			69919	
2088	690	1330	08518	62262	70912	12100		81520	79999			21374			69919	
2075	698	0515	01517	10010	01613	13213		81520	81550	28585		22582			64119	
2068	790	0545	01518	81183	61512	14514	14900	81545	81560	56060	76599	22587			63213	
2060	722	0615	01518	61062	90912	12400		81525	76599			22200			62211	
2053	735	0645	01518	10081	00912	14324	14600	81525	81563	76668	28585	22486				
2063	762	0745	08190	64464	XXXXX	11000		79999				21100			69999	
2071	777	0815	08128	10285	71009	13427		81550	81562	28585		21100	49285		69999	
2060	790	0845	08128	10281	71009	13325		81556	81559	28585		21392			69919	
2101	765	0945	01517	10010	71422	13137		81518	56061	76870		22571			64334	
2114	748	1015	01516	10010	71922	11800		62535				22580			64333	
2118	730	1045	01517	10010	71122	13277		44550	76668	28585		22574			62222	
2114	716	1115	01517	10010	01115	13437		81518	76668	28585		22582				
2111	698	1145	01518	10181	71120	14115	14300	81565	81550	76299	28585	22579			62432	
2101	689	1215	01518	81110	01115	13318		81545	81569	28585		22680	40084		62322	
NAVY																
2091	656	0645	01318	10181	01206	13514		81457	45959	17500		22487			63212	
2094	643	0715	01509	10181	01407	14311	14300	81530	81560	45859	17299	22485			63312	
2096	629	0745	01509	20181	00900	13335		81530	45960	27099		22481			69009	
2098	614	0815	01509	10110	01903	15223		81525	81556	27099		22481			64119	
2108	613	0845	08758	10010	00000	23391		81525	81561	26899		22371			69009	
2123	617	0915	08759	20010	30000	13327		81530	81562	27099		22368			66119	
2139	622	0945	08759	20181	00000	13429		81540	81562	27099		22370			66119	
2115	625	1015	08759	20020	00000	14322	14900	81525	81563	45859	27099	22370			66219	
2170	630	1045	01518	61281	01412	13784		81559	75738	27099		22200	49229		63429	
2153	638	1115	01518	20161	31715	13374		81564	75758	27099		22487			64429	
2141	645	1145	01518	20161	01712	13437		81535	75960	27099		22588			64422	
2129	652	1215	01518	20120	31711	13626		81557	43959	27099		22592			64422	

AIRCRAFT WEATHER REPORTS 22 JULY 1946

CLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwSNN	^{4}w dvv	1k$n_2n_2n_3$	1k$n_1n_2n_3$	CbhNN	CbhNN	CbhNN	CbhNN	8TTSS	4N$_h$h$_c$h$_s$h$_w$	6j^{99}P	69F3hk	7w$_1$d$_1$P$_3$A	8Cn0$_c$0$_r$
NAVY																	
2118	659	1345	01519	20185	01512	14223	14700	81520	81565	45960	27099	22591			63422		
2110	663	1415	01519	20120	31211	13224		81556	45959	27099		22482			63422		
2099	670	1445	01509	10120	01206	13423		81550	45959	27099		22491			63212		

AIRCRAFT WEATHER REPORTS

23 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_e$ V	waSNN	^{d}w ddvv	1kN$_1$N$_2$N$_3$	1kN$_1$N$_2$N$_3$	ChhNN	ChhNN	ChhNN	ChhNN	2TTSU	4N$_s$s$_s$N$_c$h$_c$	5JPPP	6DFSDk	7d$_r$d$_r$s$_w$A	9Cc$_1$h$_o$O$_r$
2094	672	0345	01419	20010	09999	12260		81522	46667			22591					
2100	668	0400	01418	20120	90608	12290		81535	56667								
2106	663	0415	01418	20120	09999	13216		81540	81562	49999		22490					
2112	658	0430	01318	20120	09999	13158		81535	65657	46667							
2116	655	0445	01418	20120	93065	12270		81540	46667			22493					
2116	655	0530	13819	20020	91120	12100		81550	46667			20453					
2120	674	0600	14309	10020	91020	15111	15210	81550	95168	56565	46667*	20663					
2122	692	0630	13109	10020	71116	13122		82025	82045	18080		20662					
2125	710	0700	12009	10010	91118	13121		82030	82060	18080		20635					
2128	729	0730	08409	10110	71163	14121	14100	81556	81561	05757	18080	21163			69923		
2130	740	0800	08609	10110	71612	13212		81550	81564	18080		21278					
2120	766	0845	01309	10210	71213	13211		81540	81559	19999		22432			69993		
2114	787	0930	01409	10210	09999	13211		81322	91567	19999		22396			69913		
2110	800	1000	01519	81210	09999	14226	14400	81325	81599	76366	19999	22394			69919		
2103	779	1030	08309	10020	09999	14211	14100	81530	81565	56262	19999	21477					
2094	764	1100	08419	20010	09999	13213		81530	81562	46364		21372			69919		
2091	746	1130	08309	10010	09999	13111		81520	81556	19999		21368			69919		
2089	729	1200	08409	10010	09999	12200		82056	18080			21465			69912		
2090	709	1230	08419	10010	71110	13314		82056	46767	18080		21468			69922		
2091	694	1300	08119	10010	09999	13213		82040	82058	18080		21480			69921		
2077	701	0445	01575	62161	93406	12400		01025	46466			22300	42000				
2069	717	0515	01519	20081	82509	12290		01620	46365			22296	44200				
2059	728	0545	01509	10010	62509	12300		61725	46565			22490			69901		
2059	754	0645	08109	10010	70907	13312		81825	82060	17575		21366					
2068	767	0715	08108	10010	61011	13212		81830	82067	17475		21456					
2075	778	0745	08118	20161	30106	13427		91671	82035	46264		21368	45181				
2083	785	0815	01569	20081		14311	14800	91670	82025	82060	46264	22379	40080				
2093	773	0845	01509	10020	63313	13114		61620	81857	46363		22475	45200				
2107	761	0915	01509	10010	62519	13311		61422	81559	46565		22489			62422		
2116	746	0945	01509	20010	62418	13218		61320	81558	27676		22477			62532		
2118	733	1015	01568	10010	31209	13515		81450	91470	27676		22478			62532		
2116	714	1045	01578	81110	61018	12520		81450	91269			22480	44289		62532		
2112	696	1115	01535	81183	61018	12580		81368	27575			22478			62432		
2100	666	1145	01509	10010	60918	12460		81635	27576			22475	42200		62321		
NAVY																	
2092	653	0700	01417	20120	70813	13227		61525	81559	75960		22486		50009	62332		
2095	638	0730	01417	20120	60912	1239X		81550	75960			22484		50009	62332		
2097	623	0800	01407	10020	71012	14213	143XX	61520	81559	55960	16767	22480		50010	62332		
2098	609	0830	01409	10010	71315	1237X		81550	17070			22486		50009	62332		
2127	619	0930	08509	10010	61610	13213		61525	81558	17070		21382					
2142	624	1000	08509	10010	01610	13422		61570	17070	37070		21457					
2156	629	1050	08509	10010	71610	12247		61560	76565			21470					
2164	633	1100	08509	10010	61610	13215		61530	81560	17070		21468					
2141	649	1200	01407	10010	71317	1244X		81555	19999			22486		50011	63333		
2129	656	1230	01416	20010	01216	1254X		81540	19999			22486		50011	63333		
2117	662	1300	01416	20010	71116	13496		61420	75960	19999		22485		50010	63433		

* 5th Cloud Layer 18080

AIRCRAFT WEATHER REPORTS

24 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwBHH	^{d}w ddvv	1k$_1$N$_2$N$_3$	1k$_1$N$_2$N$_3$	ChhNH	ChhNH	ChhNH	ChhNH	STTUH	4W$_0$G$_1$N$_c$P$_w$	GJPPP	GGF3Ok	TW$_1$A$_1$C$_w$A	BCm$_0$O$_r$
2095	671	0330	01518	10263	92127	11300		81340				22486					
2102	666	0345	01518	10383		11400		81250									
2109	660	0400	01518	83383		12400		91093	29999			22488				72721	
2116	654	0415	01518	10585	91227	13425		81099	91999	29999							
2116	654	0430	08180	83585	90617	13434		81057	91099	79999		21300					
2118	674	0500	13848	62383	90827	14333	14700	81358	91099	65757	76666	20300					
2121	681	0530	08139	10010	31115	14422	14200	81556	91099	65757	17070	21824			69959		
2123	696	0600	08109	10010	70916	12320		81550	65757			21482					
2125	711	0630	08129	10010	70916	13481		81556	65757	18080		21460			69949		
2127	727	0700	08129	10010	30815	13461		81557	65656	18080		21458			69449		
2129	742	0730	08109	10010	70805	12520		81558	65050			21362			62449		
2132	742	0800	01516	81310	71019	11000		81399				22300			62449		
2137	725	0830	01566	83483	71216	12620		81260	65556			22300			62449		
2141	709	0900	01517	62381	71308	12410		81657	65556			22491			62559		
2146	693	0930	01517	10281	71213	13343		80915	65556	76262		22398			62559		
2134	687	1000	01517	10181	71412	12340		81357	65556			22491			62499		
2118	684	1030	01517	10181	71513	11300		81557				22498			62449		
2104	681	1100	01517	10181	71512	12320		81527	65556			22491			62449		
2083	691	0445	01408	10010	00000	11300		82040				22483					
2080	703	0515	01509	10010	00000	12440		82040	18080			22490			63323		
2080	715	0545	01508	10081	81006	13124		82030	82057	28080		22487			63433		
2075	731	0615	01509	10010	71514	12410		82035	82056			22492			63323		
2073	742	0645	08109	10010	70210	15131	15120	82035	82054	92060	82068*	21557			62322		
2085	749	0715	08109	10010	70210	13121		82030	82057	92068		21554			62322		
2099	758	0745	08109	10010	70210	14122	14100	82025	82059	65657	46768	21669			61321		
2114	766	0815	08109	10010	71108	13122		82025	82057	46768		21557	48088		61321		
2120	761	0845	01507	81162	71014	14366	14400	01025	81059	64058	46264	22392	45284		62542		
2119	745	0915	01508	10010	71014	13312		82030	82050	46465		22491					
2120	728	0945	01509	10081	71311	14311	14200	81520	82058	64056	28080	22492	45182				
2118	711	1015	01509	10010	71511	13213		82025	82035	28080		22490			64323		
2118	691	1045	01508	10010	71208	12620		82035	76767			22491			64323		
2116	673	1115	01517	81310	71408	13312		82030	82058	76667		22491	45189		63323		
2116	660	1145	01617	11181	71110	14342	14600	82056	04045	92066	76668	22590			62322		
2109	661	1215	08108	81110	71206	13326		82030	82059	56768		21966			63323		
NAVY 2071	682	0645	01518	10010	31314	13313		81850	76566	18099		22469		56009	63421		
2058	684	0715	01518	10010	71414	12320		81850	18099			22490		58508	63421		
2047	688	0745	01818	10010	33411	12310		82056	75657			22489		58008	63311		
2041	702	0815	08128	10110	61508	13211		82030	82056	75657		21274		58020	63311		
2037	716	0845	08128	10010	31410	12230		82056	18099			21368		58008	63211		
2034	728	0915	08128	10010	61413	12220		82056	76460			21366		58025	63211		
2049	732	0945	01518	10181	81215	12230		82056	76062			22496		56008	62311		
2053	736	1015	01518	10110	31215	12220		82058	76062			22493		58512	62211		
2076	740	1045	01518	10110	31208	12320		82058	76062			22490		56008	62211		
2090	744	1115	01518	10010	61207	12310		82058	76062			22488		58511	62211		
2104	748	1145	01518	10010	31109	12210		82030	82058			22489		56007	62311		
2107	742	1215	01518	10110	61111	12110		82030	82058			22487		58510	62311		
2102	725	1245	08128	10010	01209	12310		82058	17599			21472		56008	62211		
2098	711	1315	08128	10010	61110	12220		82058	76062			21470		58510	62311		

*5th Cloud Layer 65758

AIRCRAFT WEATHER REPORTS

24 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_c$ V	wwNNN	^{4}w ddvv	1sn$_1$n$_2$n$_3$	1sn$_1$n$_2$n$_3$	CNNNN	CNNNN	CNNNN	CNNNN	8TTNN	4W$_1$W$_2$N$_c$N$_h$	5jPPP	6EFSDt	7P$_c$d$_1$f$_1$A	9Cn8$_0$8$_r$
NAVY																	
2093	697	1345	08128	10110	01212	13322		82058	76062	17599		21468		58008	62421		
2088	684	1415	08128	10110	61215	13322		82058	76062	7599		21472		58512	62421		
2107	672	0645	01518	83110	31208	12460		81645	17299			22200			63322		
2121	699	0715	01567	83183	31412	14424	14600	81550	81560	75799	27099	22200			63422		
2135	663	0745	01576	83285	01008	13449		81555	81599	75799		22200			62322		
2132	651	0830	08709	10110	09999	13344		81560	45758	77099		21432	44484		62422		
2118	642	0915	01516	83383	30712	14337	14900	81559	94045	45758	75999	22200			62422		
2106	634	0930	01585	64263	00611	13430		81599	45657	75899		22200			61422		
2093	626	1015	01576	62064	00604	13490		80825	05656	75899		22200			61212		
2080	613	1030	01519	10164	30104	14313	14700	81525	81560	45758	27079	22496			60112		
2067	610	1100	01509	10110	00000	13317		81620	45859	27099		22490			69012		
2071	624	1130	01519	83110	00000	13348		81650	45859	27099		22398			69012		
2075	635	1200	01519	10183	00000	13325		81665	45858	27099		22486			69012		
2080	652	1230	01519	10181	01305	14213	14600	81520	81560	45659	27079	22483			63222		

AIRCRAFT WEATHER REPORTS

25 JULY 1946

QLLL	III	TIME (LOCAL)	hhhf$_s$ V	wwSNK	d_w dvv	$1sn_1n_2n_3$	$1sn_4n_5n_6$	CnhNN	ChnNh	ChnNH	ChnNC	STTNN	$4N_hC_mH_sh_s$	SjPPP	8SPSSk	$7P_1P_2P_3A$	$6RRR_tR_r$
2100	669	0130	01577	10383	90504	11400		80826				22491					
2100	661	0145	01518	10210		11200		89999				22492					
2116	654	0200	01518	10210	91210	12120		81545	89999								
2116	654	0230	08109	10010	91417	12110		91099	81535			21492					
2116	654	0300	21009	10010	91835	13211		91073	81545	87073		21615					
2113	659	0330	15009	10010		12120		81530	18080								
2117	678	0345	08109	10010		10000		xxxxx				21355					
2120	695	0415	08109	10010		11100		81530				21468					
2124	712	0445	08119	10081	91211	13223		81530	64550	65859		21200					
2128	728	0515	08109	10010		11300		81530				21320			69229		
2127	744	0545	01509	10010		11100		81532				22560			62229		
2117	757	0615	01509	10010	70711	11200		81532				22380			62229		
2107	770	0645	01509	10010	70615	11200		81825				22380			62229		
2100	780	0715	08109	10010		11100		81825				21350			69229		
2086	761	0745	08109	10010	70915	12210		81565	81525			21372			62559		
2075	746	0815	08168	10383	71115	13430		91099	81558	76599		21200			69229	75001	
2073	729	0845	08117	62363	71112	13110		81530	65556	76599		21385			69229		
2078	712	0915	08109	10010	71408	12120		91262	81566			21385			60009		
2081	694	0945	08109	10010	71408	11200		81557				21385			60009		
NAVY																	
2079	689	0530	01518	10181	30107	13212		81840	91862	76062		22390		56009	62111		
2070	700	0600	01518	10163	00106	13222		81840	91862	76062		22389		58509	62111		
2061	712	0630	01518	10010	30209	13268		81856	75859	76162		22390	49484	56009	61211		
2051	725	0700	01518	10081	60214	13365		81856	75859	76162		22392		58508	61211		
2043	737	0730	01574	20262	30214	12500		81858	75859			22397		56008	61311		
2048	749	0800	01518	20186	70216	13220		81856	91862	75859		22392		58508	61311		
2056	759	0830	08128	10010	30410	13315		81850	91862	76566		21365		56009	61211		
2066	771	0900	08128	10010	60610	13225		81850	91862	76566		21368		58025	61311		
2075	767	0930	08118	10110	30615	13226		81856	76062	76566		22391		56008	62421		
2085	755	1000	01518	10010	70614	13225		81856	76062	76566		22489		58510	62421		
2094	743	1030	01518	10010	30612	12210		81856	76566			22490		56008	62421		
2096	728	1100	01518	10010	70714	13212		81856	81860	76566		22488		58511	62421		
2094	713	1130	01518	10181	30614	12220		81856	76566			22487		56007	62311		
2091	697	1200	01518	10010	60612	12220		81850	76566			22488		58511	62311		

FINAL DISPOSITION OF RECORDS AND CHARTS

The original observational records of surface and upper air data are being microfilmed by the Aerology Section, Navy Department, Washington, D. C., and the microfilm file is to be available in that section.

After microfilming, the original observational records will be forwarded for punch card tabulations to the Data Control Branch, Seventy-Second AAF Base Unit, and the U. S. Weather Bureau Tabulation Unit, Navy Section, both at New Orleans, La.

All charts, photographs and teletype traffic from the Crosaroads Weather Central at Kwajalein Island will be filed in the Archives of the Air Weather Service, Washington, D. C. The approximate period covered by this material is April through July 1946. Some types of charts do not extend entirely over this period.

Defense Special Weapons Agency
6801 Telegraph Road
Alexandria, Virginia 22310-3398

TRC 23 January 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTN: OCD/Mr. Bill Bush

SUBJECT: AD-801412

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) has reviewed the following report:

OPNAV-JTF-P1001 AD-801412
Report of the Technical Director, Operation CROSSROADS; Aerological Report on Operation CROSSROADS, Commander, Joint Task Force One, May 1947.

This report is appoved for **public release.** Distribution statement **"A"** now applies.

Ardith Jarrett

ARDITH JARRETT
Chief, Technical Resource Center

Completed
4 Apr 2000
B.W.