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MEASUREMENTS OF THE GEOMAGNETIC FIELD BY THE VANGUARD III SATELLITE

Joseph C. Cain, Ivan R. Shapiro,
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by

Joseph C. Cain, Ivan R. Shapiro,
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SUMMARY

Magnetic field data from the Vanguard III satellite (1959 η) are presented, together with time, location, and remarks on quality. Various sources of error are discussed, with particular emphasis on those resulting from inaccuracies in orbit analyses. Differences between the measured field intensities and those computed from frequently used sets of spherical harmonic coefficients are listed. Instrumentation and data reduction techniques are briefly described.

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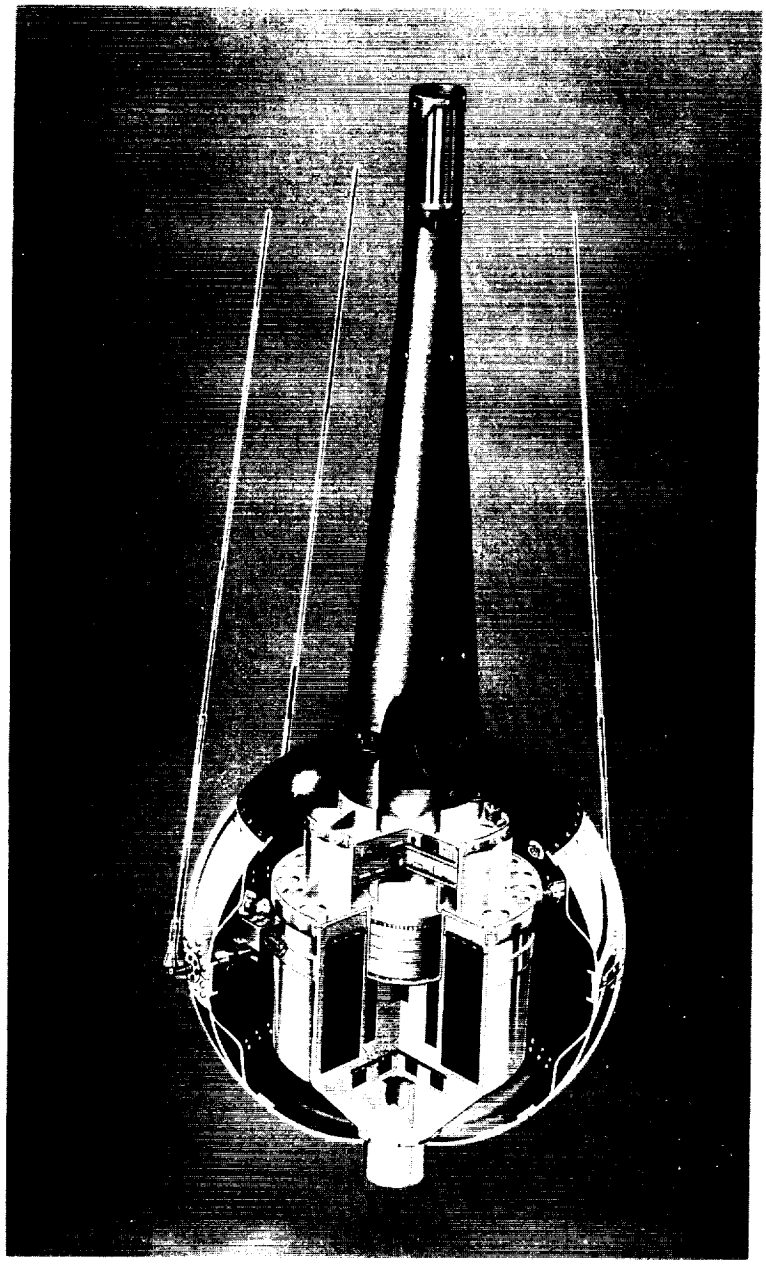

Vanguard III Satellite*

*Note that the third stage, which is not shown here, was purposely not detached from the actual satellite's instrumentation package.

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INTRODUCTION

This report presents an edited catalogue of the magnetic field data obtained from the Vanguard III satellite (1959 η). Essential information such as time and satellite location at the time of a measurement will be given here, and an attempt will be made to document the limitations imposed by the various possible sources of error.

The principal objective of the Vanguard III experiment was to make absolute measurements of the geomagnetic field above the ionosphere in order to deduce whether the electric currents giving rise to the main phase of magnetic storms were located in the ionosphere or at much greater altitudes (Reference 1). Secondary objectives included the study of the equatorial electrojet, and the mapping of the main field. These objectives were met in all respects except that the data on the equatorial electrojet were not as definitive as desired. Preliminary data evaluation (References 2 and 3) indicated difficulties of interpretation due to significant uncertainties in computing the satellite location. Improvements in orbital analysis permit the more accurate computations of orbital positions listed in this report; further evaluation of the data with the use of the more precise orbit will be published later.

In addition to making magnetic field measurements, the proton magnetometer coil detected audio-frequency whistler signals. This feature, not anticipated prior to the flight, yielded several hundred whistler signals which are being studied for information on electron density above the ionosphere and on ionospheric absorption. Preliminary reports on the whistlers have been published (References 4 and 5).

The proton precessional magnetometer (Reference 6) aboard Vanguard III was a transistorized version of earlier units flown in rockets. Weight limitations and other engineering

considerations led to a procedure in which the magnetometer was operated on command from the Minitrack stations. To extend the operational life of the instrument to several months, and thus increase the probability of encountering magnetic storms, measurements were restricted to several 2-second measuring periods each time the satellite passed over a Minitrack station. This extension of the operational lifetime also permitted complete altitude coverage from the 510 km perigee to the 3750 km apogee over each station, as would not otherwise have been the case since the latitude of perigee changed only slowly. It was also thought that this procedure would give a sufficient density of data over small areas to permit study of time variations in the field relative to reference fields derived from the flight data. In general, the procedure was successful and the resulting data were well distributed in time and altitude. The 85 days of active life (September 18 to December 11, 1959) actually achieved was close to that predicted.

INSTRUMENTATION

The free precession of a proton in an external magnetic field F has an angular frequency $\omega = \gamma_p F$, where γ_p is the proton gyromagnetic ratio, equal to $2.67513 \pm 0.00002 \times 10^4$/sec-gamma as determined by Driscoll and Bender (Reference 7). Absolute field values are obtained by measuring the frequency

$$f(\text{cps}) = \frac{\omega}{2\pi} = 4257.6 \text{ F gauss} \tag{1}$$

To obtain a precession signal of sufficient amplitude for measuring this frequency accurately, the proton sample is first polarized by passing a strong current through a coil surrounding the sample. When this current is cut off, a small but significant fraction of the protons are in phase in their precession and thus induce a detectable voltage at frequency f in the surrounding coil. Maximum amplitude of the precession signal is obtained by orienting the polarizing coil perpendicular to the magnetic field. However, the frequency of the induced signal is not a function of the orientation angle, and a nonperpendicular orientation will cause only a reduction in amplitude. If θ is the angle between the coil axis and the magnetic field vector, then the amplitude varies as $\sin^2\theta$. The signal amplitude decays exponentially with a time constant that is a function of the proton sample (Reference 8).

The magnetic field measuring section of Vanguard III consisted essentially of a proton precessional sensing head, a high-gain wide-band amplifier, an 80-mw 108.03-Mc telemetry transmitter, and a command receiver. Tracking was provided by a 30-mw 108.00-Mc transmitter. The magnetometer sensing head was a 600-turn 6-millihenry 4-inch solenoid, wound on a 1-inch diameter cylinder filled with normal hexane. The polarization current was 6 amperes. Figure 1 is a typical response curve of the satellite's amplifier (Reference 6).

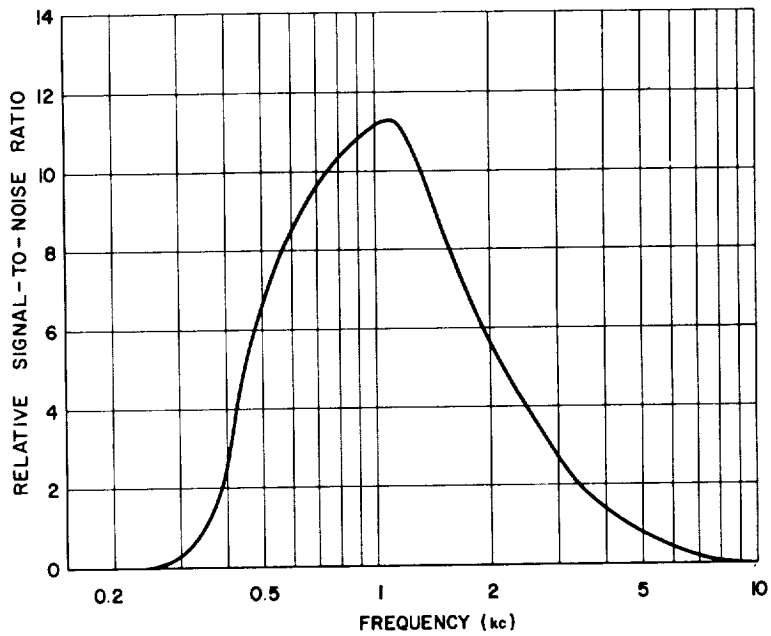

Figure 1—Typical response curve for Vanguard III amplifier

One precession signal of about 2 seconds duration was produced per ground command. The command signal, via a tuned receiver in the satellite, activated a multivibrator programming circuit in the magnetometer. This then:

1. Turned on the 108.03 Mc transmitter and the magnetometer amplifier;
2. Connected the sensing head coil to a 12 volt battery pack for about 2 seconds, causing phase coherence of the protons in the sample by the resulting polarizing field;
3. Switched the coil to the amplifier following polarization;
4. Switched off the 108.03 Mc transmitter and magnetometer amplifier after about 4 seconds. The signal transmitted to the tracking stations had a 108.03 Mc carrier frequency, amplitude modulated by the magnetometer signal.

DATA ACQUISITION

General Procedure for Electronic Digitization

A tracking station simultaneously recorded on magnetic tape the unfiltered modulation from the 108.03 Mc signal, a standard 100 kc signal, and coded Universal Time. Tapes containing these three tracks of information were played back by using the system shown in Figure 2.

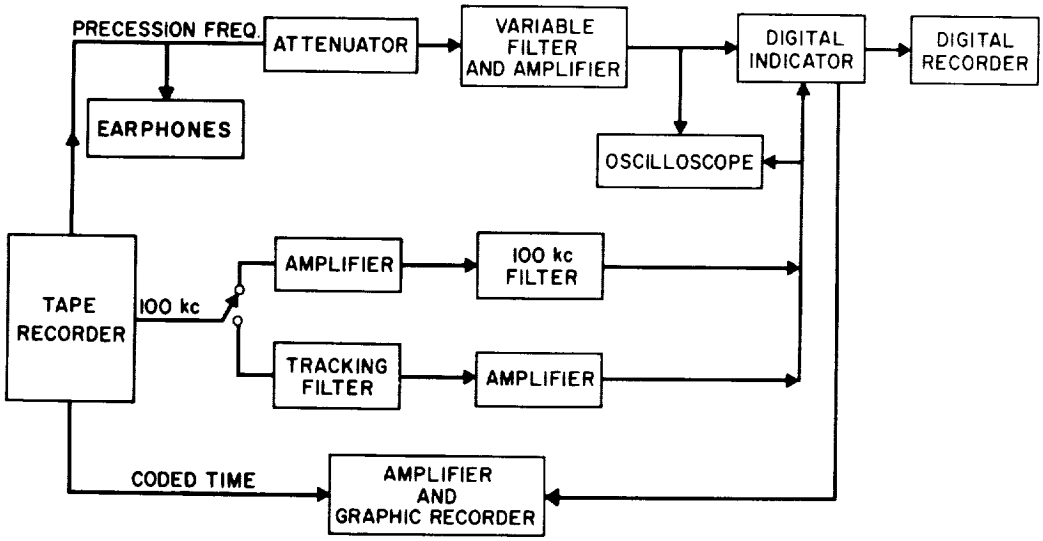

Figure 2—Electronic digitization system

Vanguard III precession signals ranged in frequency from about 300 to 2000 cps. Approximate settings for the variable filters were found from charts predicting the frequency on the basis of orbital position and an extrapolation of the surface geomagnetic field. Signals were repeatedly played until an optimum filter setting was obtained by visual inspection of the oscilloscope monitor. The response of the filter was 3 db down at frequencies approximately ±0.6 percent away from the center frequency. Figure 3 illustrates a typical proton precession signal before and after filtering. The frequency of the filtered precession signal was accurately determined by the frequency counter, whose purpose was to measure the period of a preset number of cycles of a precession signal by counting the corresponding part of the 100 kc time-base frequency, and to display this period in tens of microseconds (counts of the 100 kc time base).

The digital indicator operated as follows: Instead of a gate circuit opening initially, as in a standard counter, a delay circuit was triggered which prevented the gate circuit from opening for a preset delay time. This delay prevented premature triggering of the gate circuit by the large switching transient that often occurs at the beginning of a precession signal. A nominal setting for the delay time was 0.1 second, the exact delay for a given signal being determined by a potentiometer. Following this delay the gate circuit to the 100 kc counter opened on the next crossover of a precession sine wave. Counting of the 100 kc signal continued for a period determined by a preset number N of precession cycles, after which the 100 kc gate closed. The five digits (count) presented on the decimal counting units and simultaneously typed by the digital recorder, gave the time t in fractions of a second for N cycles of the precession frequency. Thus the frequency f of Equation 1 is given by $f = N/t$. If, for example, the preset number was 1000 and the precession frequency 730

cps, then the display register indicated 36986, which was logged as 1.36986 seconds. Since the precision of a count increases with its duration, the number N was preset to as large a value as possible, depending on the frequency of the precession signal and the duration of a high signal-to-noise ratio.

A number of measurements of each precession signal were made to assure the correctness of the frequency and to average out the small inherent inaccuracy of the counter (± 1 count ± 0.001 percent of the 100 kc count). If the period measurements were not consistent to within several parts in 10^{-5} second, this indicated that N was set at too large a value so that the counter was registering the noise following the precession signal. The preset number was then slightly reduced and a new set of measurements made. This procedure was repeated until a number (usually 10) of consistent period measurements of the precession signals were obtained.

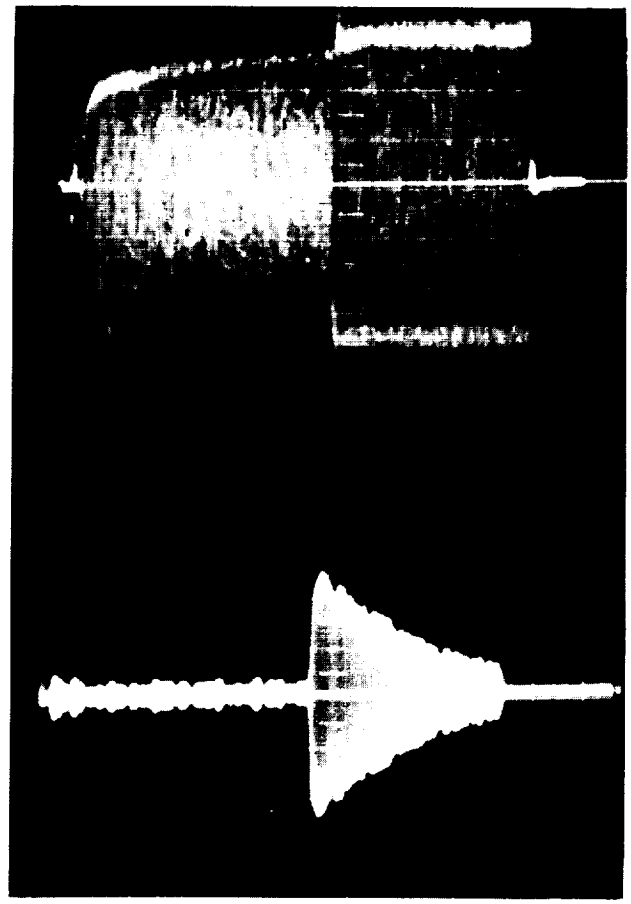

Figure 3—Typical proton precession signals. Top - before filtering; bottom - after filtering.

To relate Universal Time accurately to the time of occurrence of a precession signal, the gate opening pulse corresponding to the beginning of a count was graphically recorded simultaneously with the coded Universal Time. The time difference $t/2$ between the gate opening time and the center of the interval counted was added to the Universal Time of the gate pulse to obtain the most accurate representative Universal Time. The purpose of the phase-lock tracking filter was to insure a dropout-free 100-kc time base for the counter in instances when the tape-recorded 100 kc was erratic. This was used on only a small number of the signals.

Special Procedures for Electronic Digitization

In many instances precession signals were of a lesser quality than the more representative one shown in Figure 3. Poor signal-to-noise ratios, signal dropouts, noise transients, and pinched signals were difficulties frequently encountered.

Figure 4a shows an example of a good precession signal preceded by a large switching transient. Since the amplitude of the noise spike is less than the initial amplitude of the precession signal, period measurements were made by setting the trigger threshold voltage of the digital indicator to a value between the amplitudes of the transient and the signal; this setting prevented the noise spike from erroneously triggering the counter. If, as in many cases, the amplitude of the transient exceeded that of the signal, measurements were made by setting the trigger delay to a value large enough to bridge the gap between the noise spike and the signal. The transient would then trigger the delay circuit, which would not open the gate circuit, starting the count, until the proper time had elapsed. Zero delay settings were possible when the transient amplitude was less than the signal amplitude.

An example of a pinched signal is shown in Figure 4b. This signal would be measured in two parts, each part being treated separately. In this example the pinch is due to interference by a whistler (References 4 and 5). Simultaneous recordings of whistlers and precession signals appeared to result always in pinched signals, but not all pinched signals were associated with detected whistlers.

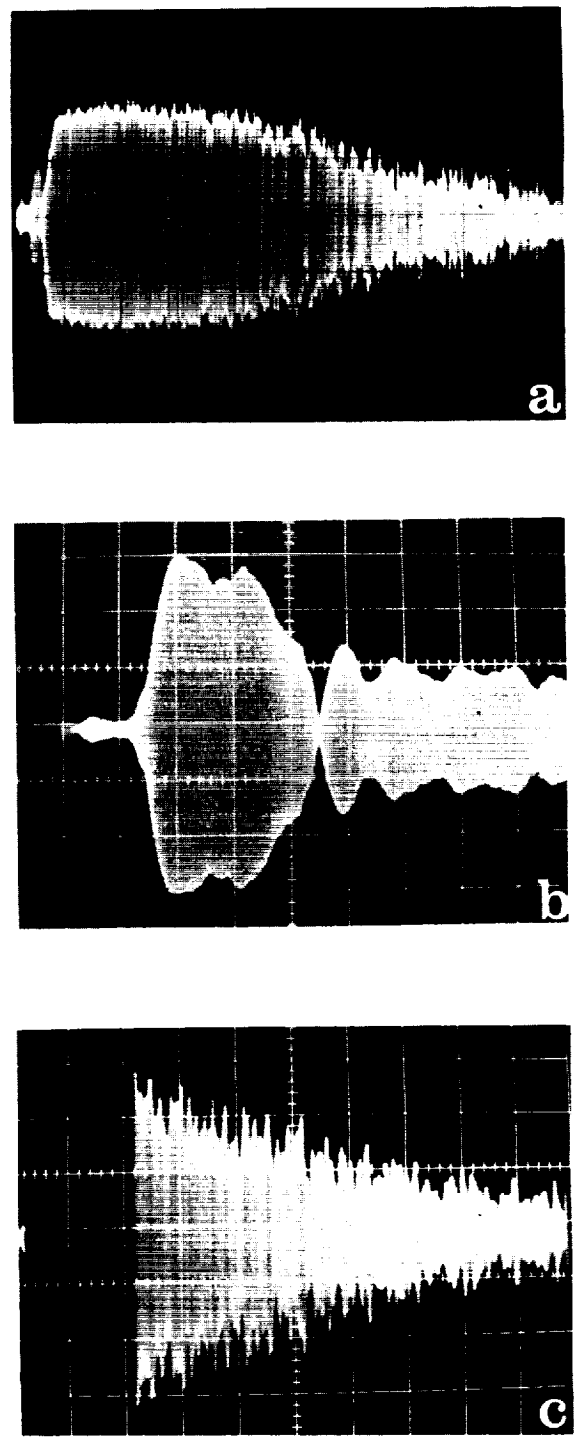

Figure 4—Anomalous proton precession signals: (a) precession signal preceded by a large switching transient; (b) pinched signal; (c) poor signal-to-noise ratio

Signals containing dropouts which were due to tape imperfections are similar in appearance to Figure 4b and were treated in the same manner. Signals having poor signal-to-noise ratios (Figure 4c) were usually not measurable to the desired accuracy. The time scale of the three signals of Figure 4 is 0.2 second per grid division.

In many instances, period measurements of good precession signals were prevented by an erratic 100 kc time base. Use of the phase-lock tracking filter allowed the measurement of about two-thirds of these signals, the time base frequency of the remainder being too erratic to salvage.

Erratic coded time also caused the rejection of many otherwise good signals. Errors in the hours, minutes, and tens-of-seconds portions of coded time were usually resolved by reference to tables on the predicted orbit, to log sheets that accompanied each tape, and/or to telemetry reports from the tracking stations.

Locations of Receivers

The plan for data acquisition was to distribute the interrogations over the estimated 3 month transmitting life of the satellite to achieve a distributed coverage along the geographic meridians of the individual receiving stations. Since the areas covered by the stations along the Minitrack network were somewhat overlapping, the same interrogations were frequently received by more than one station. Table 1 gives the location and code

Table 1

Position of the Minitrack stations relative to the Hough Ellipsoid
(private communication from J. W. Siry and H. Hoff, GSFC)

Station	Code	Latitude (degrees)	Longitude (degrees)	Altitude (kilometers)
Ft. Myers, Florida	FTMYRS	26.548	- 81.866	0.003
Woomera, Australia	WOMERA	-31.103	136.782	0.155
Quito, Ecuador	QUITOE	- 0.623	- 78.579	3.567
Lima, Peru	LIMAPU	-11.777	- 77.151	0.049
Antofagasta, Chile	AGASTA	-23.621	- 70.273	0.519
Santiago, Chile	SNTAGO	-33.149	- 70.669	0.659
Antigua, British West Indies	ANTGUA	17.142	- 61.779	0.005
Chula Vista, California	NELCAL	32.580	-116.971	0.157
Blossom Point, Maryland	BPOINT	38.430	- 77.087	0.004
Johannesburg, Union of South Africa	JOBURG	-26.032	28.241	1.637

name for each station from which data were obtained. Originally, there was a station at Havana, Cuba. It was abandoned before the satellite launch. To fill this gap, a receiving station was established at Fort Myers, Florida, which received data after November 24. The Johannesburg station was established November 26, after the satellite launch, in an attempt to define the nature of the field over South Africa and thus to investigate the "Capetown Anomaly" suggested as being responsible for a gap in the radiation belts (Reference 9).

Results

Appendix A summarizes the data acquisition by all stations. This is presented here to indicate the data available, including qualitative and semi-quantitative information that may be of value in assessing the validity of those data. The column headings indicate the following:

STATION — The Minitrack station code name as indicated in Table 1.

TAPE — Tape number as designated by each station. Generally each satellite pass is recorded on a separate tape. In the few instances where more than one pass is on a given tape, it is given a consecutive number following the slash (/).

A — Number of interrogations attempted by the given station as indicated in their records.

B — Number of successful interrogations for that satellite pass. Some numbers are in parentheses indicating that there is some uncertainty about the number of successful interrogations actually recorded.

C — The number of interrogation replies of sufficient quality to attempt a frequency determination of the magnetometer signal. (Blank = 0.)

D — The number of replies reduced and of sufficient quality for analysis. To be of this quality, the data had to have a sufficient signal-to-noise ratio to produce a reliable frequency estimate, together with a good frequency standard (100 kc), and an unambiguous coded time recorded on the tape. (Blank = 0.)

MON DAY HR MIN — Time selected as being representative of that near the center of the recording or at the minute nearest one of the recorded signals. Generally, if the signal was not counted, the time was taken from telemetry (TM) records for that tape. Recordings usually covered ±4 minutes from this time.

FREQ — A frequency (cps) computed from the above time based on a smoothed geomagnetic field potential (63-coefficient set of spherical harmonics) fitted to this data (see the section on "Reference Fields"). This frequency is probably the most representative of the magnetometer frequencies actually recorded (adjusted to the 100 kc frequency standard) even though in some instances the signal was too weak to measure this frequency directly (see the next section).

DF/DT — Rate of change of frequency with time in cycles/second^2 as computed from the smoothed field fitted to data.

LAT LONG HGT — Position of the satellite in geodetic coordinates (East longitude and North latitude positive degrees, height above the spheroid in kilometers—see Table 1) — based on the time given. See the section on "Orbital Information" for an explanation of the orbital program used.

RANGE AZIMUTH ZEN — Range in kilometers, azimuth (North = 0, East = 90, etc.) and zenith angle in degrees of the satellite from the station at the specified time.

Listed below some of the lines in the appendix are comments pertinent to the tape.

The designation "TM" implies that the information was abstracted from the telemetry reports recorded by personnel at the receiving station. The other comments were added during data reduction. The most prevalent comment is "WHISTLER(S) ON TAPE." This is noted here for completeness only, as the whistler data are being analyzed separately from the magnetometer readings and are the subject of separate reports (References 4 and 5). On occasion, the interference caused by whistlers was such that it made precise frequency determinations of the magnetometer signal impossible. Since all of the anomalous frequencies recorded have not been explained, it was thought best to have the record show the qualitative comments added by the operators performing the data reduction.

During the satellite transmission life there were three periods noted in the listing as "SILENT." These were intervals when no interrogations were attempted at the request of the other experimenters so that they might determine whether the operation of the magnetometer interferred with their results.

DATA

Appendix B gives a tabulation of the individual magnetic field measurements from the tapes listed in Appendix A. The columns are as follows:

TIME — Time (UT) of the middle of the signal to the nearest 0.1 second.

POSITION — Position of satellite at the listed time in decimal degrees (latitude and longitude positive North and East respectively) and kilometers altitude above the earth's surface.

MEASURED FIELD — Average scalar magnetic field in gammas (one gamma = 10^{-5} gauss = 10^{-9} webers/meter^2).

REMARKS:

SIG — Standard deviation of observations in gammas.

N — Notes as follows:

0 — no comment.

1 — whistlers recorded during magnetometer readout, but not crossing magnetometer signal during measurement.

2 — magnetometer signal quality poor.

3 — irregular signal rise time.

4 — possible errors due to erratic coded time. Time listed is based on reasonable assumptions and is very likely to be correct.

5 — magnetometer signal "pinched."

6 — 100 kc frequency standard poor. Data may have been determined by use of tracking filter.

7 — a combination of above comments or other peculiarities of such a nature that a detailed comment is available only in the original data logs. Abstracts of these are indicated in the comments of Appendix A.

8 — whistler crossing of magnetometer signal during interval of measurement. If whistler strength was sufficient to affect apparent frequency, data were deleted (see L—7 below).

L — A qualitative figure attached to each observation as follows:

0 – best data.

5 — duplicate data recorded simultaneously at another receiving station. These data are considered less reliable than corresponding L—0 data. Duplicate data can be identified by listed time which is nearly always in agreement to a fraction of a second.

6 – duplicate frequency determinations of the same signal, with the more reliable signal having a smaller L number.

7 — data that are considered sufficiently dubious to be rejected from analysis. The data could not be verified by a later frequency determination, the exact time was ambiguous, or there were other anomalous characteristics of the signal, as explained by the footnote, that cast doubt on the reliability of the measurement.

STATION — Six letter code for each station (see Table 1).

MEASURED FIELD-FINCH -AFSWC — Differences in absolute scalar field between measured value and that computed using the Finch and Leaton (Reference 10) or AFSWC coefficients, respectively. A minus sign means that the computed field was greater than the measured field. (See section on "Reference Fields.")

ACTIVITY K(P) — Planetary magnetic activity 3-hour index k_p as received from Dr. J. Bartels, Geophysikalisches Institut; Göttingen, Germany.

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The scope of the data reduction summarized in this report has been relatively large for several reasons. First, of course, there was the problem of 2445 magnetic tapes, each lasting about 8 minutes, for which the frequency and time information needed to be determined. In an effort to obtain the most accurate information possible, these signals were counted (see section on "Data Acquisition") an average of ten times each. Inevitably, in such a large undertaking where a high degree of human skill is required, some errors must occur. Of the 4326 signals counted — more than 10 times each — including replays of the same signals for checking purposes, 742 errors were found and corrected. These erroneous observations (which were given categories L-8 and 9 but do not appear in this report) included not only the usual errors in reading or recording data, but also erroneous frequency counts which were due to having tuned the data reduction equipment to a signal other than that of the magnetometer. Additional errors were easily committed in interpreting the coded-time records when electronic malfunction added pulses to or subtracted pulses from the signals. For signals with low signal-to-noise ratios or interference, errors in tuning could not be avoided easily because of the relatively short duration of the signal.

The assignment of L–7 was done with the intention that the data retained should be only those for which there was little uncertainty of field or time. Admittedly, those data which appeared more anomalous than others were the most rigorously scrutinized to search out time errors or false evaluations of the signal frequency. It was impractical to replay all the data for the purpose of confirmation. The search for anomalous data was made in two ways: First, the data were grouped by area and the values of ΔF (measured minus reference) were plotted by using both the Finch and Leaton and the AFSWC reference fields (see the section on "Reference Fields"). Data which deviated greatly from neighboring points were replayed. Next, reference fields were generated by fitting directly to the measured total field data. A discussion of these fits, including the techniques of defining the geomagnetic field from scalar data, will be the subject of a future report. By using this last reference field (designated here as the Vanguard A reference field or by the mnemonic VANGA) it was possible to further investigate those few data with residuals in excess of 50 γ. On replay, a high percentage of these were found to be in error. The last method of checking was to compute the gradients in ΔF (VANGA) with time for a given satellite pass. Cases involving large changes of gradient were further checked. This method had only limited usefulness, however, since only a portion of the satellite passes near a single receiver or group of stations yielded at least the three or four consecutive measurements necessary for a proper study.

In summary, the data presented in Appendix B have been given a reasonable checking and are believed to be as accurate as the conditions of the experiment allow. Listed are all measurements (except errors), including duplications, to help assess the reliability

of a given datum. The precision of the frequency measurements converted to gammas is indicated by the "SIG" column under "REMARKS" in Appendix B. This is the statistical sigma or standard deviation of the ten or more measurements taken of each signal at a given filter setting and preset number N. This figure was found to indicate only the *repeatability* of a signal at an optimum filter setting and is smaller for signals with high signal-to-noise ratios and for those averaged over a longer time. The signals with low signal-to-noise ratios or otherwise poor quality gave somewhat erratic counts and correspondingly high sigmas. Thus, although sigma is seldom more than a fraction of a gamma, those signals with $\sigma > 0.4$ have often later been found in error by a much greater amount.

The accuracy of the data is limited by several minor effects:

1. Residual magnetism in the satellite package. On the basis of preflight tests, this is thought to have been no more than 1 gamma.

2. Shifts in frequency due to the angular motions of the satellite. Evidence evaluated by C. M. Stout and R. W. Rochelle of GSFC (private communication) indicate that the satellite was spin stabilized at 3 rps at injection. Within hours a precession began to develop as the angular momentum transferred to the larger moment of inertia about an axis perpendicular to the longitudinal axis. After 24 hours, the cone of precession was about 45 degrees; by the second day there was left only a rotation with a period of 12 seconds. The effect of this type of rotation (spin axis perpendicular to coil axis) has already been investigated by Bloom (Reference 11 and private communication) and illustrated by Heppner, Stolarik, and Meredith (Reference 12). Bloom's expression is

$$f(t) = f_p \pm \frac{2f_r \cos \varphi}{1 + \cos^2 \varphi + \sin^2 \varphi \cos 2f_r t} ,$$

where $f(t)$ is the instantaneous frequency induced in the coil at time t, f_p is the proton precession frequency, f_r is the frequency of rotation, and ϕ is the angle between the magnetic field vector and the spin axis. The *maximum* error for any value of ϕ occurs when the denominator is a minimum or $\cos 2 f_r t = -1$. This condition occurs when the axis of rotation, the coil axis, and the magnetic field vector are coplanar. At this time the error is maximum, such that $f(t) = f_p \pm f_r \sec \phi$, which would become infinite at $\phi = \pi/2$. However, this condition cannot be observed since the signal amplitude drops to zero by the $\sin^2 \theta$ relation (see section on "Instrumentation"), where θ is the *instantaneous* angle between the magnetic field and the coil axis. Assuming an optimum signal-to-noise ratio R at $\theta = \pi/2$, we find that signal = noise at $\theta = \theta'$, where θ' is given by $\sin \theta' = 1/\sqrt{R}$. Taking the value of ϕ where the limiting value θ' is achieved only once per satellite rotation, we find that the maximum error is $f_r \sec (90^\circ - \theta') = f_r\sqrt{R}$. For example, an optimum R of 10 for a 12 second rotation period ($f_r = 0.09$ cps) gives a maximum field error of $(\sqrt{10})(0.09)(23.5) = 6.7\,\gamma$. For larger values of ϕ the signal will diminish to the noise level before $\cos 2 f_r t$ achieves its maximum negative value of -1 and thus not produce as

large an error. In making detailed studies of a few signals where it appeared that the signal did fade into or rise from the noise in such a way as to imply coil rotation through the vector field, no effect was found. Supposing a random orientation between the spin axis and geomagnetic field and the improbability of making measurements down to a signal-to-noise ratio of unity, we assume here that the average effect is less than f_r or 2γ.

3. The presence of noise in the signal was estimated by the differences in the readings of the magnetic field as determined by two or more recordings at separate receivers of the same magnetometer transmission. Such a study was made with the data in Appendix B. The statistics of the differences between the pairs of L–5 and corresponding L–0 observations give a roughly Gaussian distribution (463 pairs) with a standard deviation of 3γ. Since these signals may have been averaged over slightly different intervals during which the geomagnetic field gradients might normally lead to these differences, similar statistics were derived from ΔF (measured minus AFSWC) field differences. Here, however, the standard deviation came to 4γ. This was due to the inclusion of 11 values where the differences lay in the 14-18 gamma range because of suspected time errors.

4. It is difficult to assess the absolute time errors indicated in Appendix B. As previously discussed, the time averages are taken over different intervals depending on the counter "preset" and the trigger level. It is not unusual, however, to be able to repeat a time reading to ±0.01 second for a given signal and in general it is believed that the precision of a time measurement is better than 0.03 sec. The data in appendix B are rounded to the nearest 0.1 sec since it is thought that the additional accuracy is unnecessary. A few comparisons have been made between the coded time recorded by different stations at the instant of a short signal (such as a whistler) transmitted during the magnetometer readout. For these cases there were no noticeable differences in the recorded time, to within ±0.01 second. Indeed, according to the methods used by the tracking stations for synchronizing their time generators, their time should be accurate to a few milliseconds. However, through either human error or faulty electronics, there are numerous instances where the coded time is incorrect by 1, 2, 10, or more seconds. Since the accuracy of the time of an observation is as important as the magnetic field measurement in making a useful interpretation of that measurement, the reduction of the coded-time data has been done with as much care as the frequency determination. In the final analysis, when physical interpretations are being sought for magnetic field measurements that seem anomalous, one must reserve the possibility that this seeming anomaly is merely due to some undetected error in the recorded time of the observation.

The areas covered by Vanguard III data (Figure 5) are mainly concentrated over the approximately 3 percent of the earth's surface near the receiving stations. Very few successful interrogations were recorded at ranges in excess of 4000 kilometers, and the majority of good data are within a 3000 km range. The distribution of data with altitude is given in Table 2. As was expected from considerations of signal strength, there is a preponderance of data near perigee with a slow tailing off up to apogee.

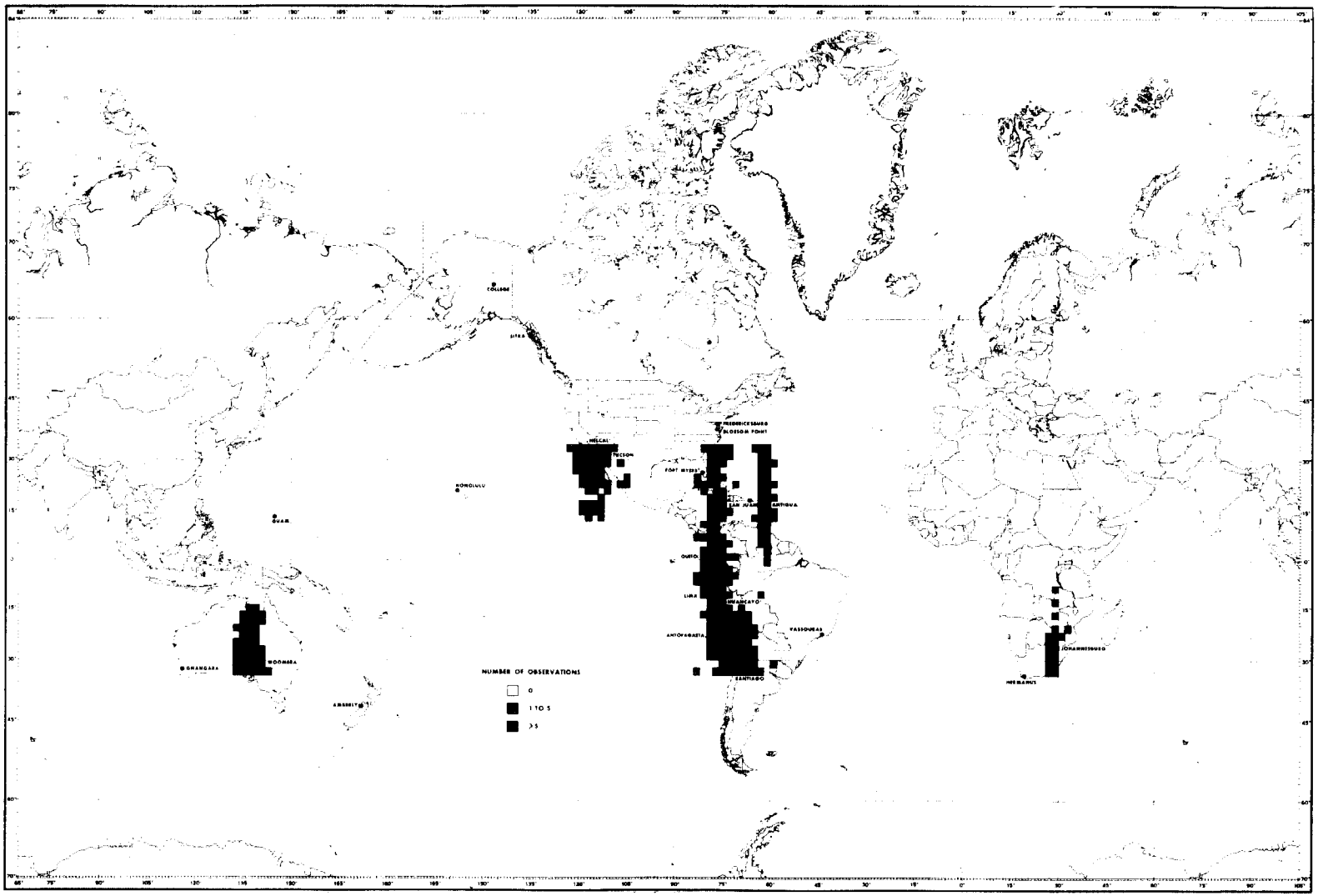

Figure 5—Area of data coverage. Minitrack receiving stations and selected magnetic observatories are shown.

Table 2

Distribution of Vanguard Data with Altitude

Altitude Range (km)	No. of Data
(perigee) 510 - 799	565
800 - 1099	273
1100 - 1399	352
1400 - 1699	239
1700 - 1999	256
2000 - 2299	234
2300 - 2599	182
2600 - 2899	198
2900 - 3199	163
3200 - 3499	137
(apogee) 3500 - 3753	198

Table 3

Distribution of Vanguard Data with Dip Angle

Angle Range (degrees)	No. of Data
0 - 9	153
10 - 19	204
20 - 29	254
30 - 39	324
40 - 49	225
50 - 59	874
60 - 67	763

The distribution of data with respect to dip angle is given in Table 3. This dip distribution was computed for each datum by using the Finch and Leaton (Reference 10) coefficients. Although the range of geographic latitude was small (± 33.5 degrees), the geomagnetic latitude limits reached beyond 45 degrees.

ORBITAL INFORMATION

As a prelude to the physical interpretation of geomagnetic field observations from a satellite it is necessary to know the accuracy, not only of the data themselves but also of the position of the instrument at the time of each observation. The net effect of orbital uncertainties is an error in the computation of a reference field at that point. The quantity used in studying time fluctuations and other effects on the field is the difference ΔF = measured F - computed F. Thus the errors in the reference field directly affect the values of ΔF. Diurnal fluctuations in the geomagnetic observations at the earth's surface are of the order of a few gammas for the lunisolar variation (L), and a few tens of gammas for the quiet solar variation (SQ) and weak disturbance effects (SD). Stronger fluctuations, more limited in extent, are found near the equator (≈100 to 200 gammas) and in the auroral zones (several hundred to 1000 gammas). Since the Vanguard III measurements were taken during a period of weak-to-moderate disturbance below 50 degrees geomagnetic latitude, it was desirable to obtain an overall accuracy better than 10 gammas—particularly since a disturbance field would not necessarily be parallel to the main field and thus would not contribute its full effect. Also, if theories regarding the ionospheric heights (100 km) of some of the known diurnal geomagnetic fluctuations are correct, their contributions above 500 km can be no greater than a fraction of that at the surface.

A total of nine different computed orbits were supplied by Goddard Space Flight Center (GSFC) and the Smithsonian Astrophysical Observatory (SAO). Initially, there were large differences between various orbits and inconsistencies at the junctions between orbital arcs. Three of the four orbits from GSFC were based solely on Minitrack observations and the fourth on a combination of Minitrack and photo-reduced Baker-Nunn observations from the SAO. The first of the five different orbits from the SAO was based on field-reduced Baker-Nunn observations weighted with Minitrack data. Later SAO orbits were combinations of several types of radio and optical observations or were based purely on photo-reduced Baker-Nunn data.

It is difficult to assess the absolute accuracy of an orbital computation, since the observations are only of the angular position. Residuals of fit between the observational data and computed orbits are often useful only in determining possible improvements to mathematical fits and in setting gross limits of error. The method used here to estimate orbital errors has been to compare various orbits by using the absolute computed position of the satellite as a criterion. That is, the relative positions of Vanguard III as given by two different orbits at once were compared at regular intervals of time. These orbital comparisons were made with the "World Map Minute Vector Tapes" from GSFC and a program from SAO adapted to compute geographic positions by using their sets of daily orbit elements. These comparisons were necessary since none of the nine orbits was found to be free from intervals of suspected or obvious error.

Some of the differences between the early orbits were large and the difficulties were obvious. For example, reference field errors as high as 200γ were found near the ends of one of the GSFC orbital arcs. The differences of computed positions between pairs of the latest orbits are still significant and are greater than can be considered allowable if confidence is to be placed in the computed ΔF's, but they are in measurably better agreement than previous differences. It is thought that such variances should be comparable in magnitude to the accuracy of the positions.

The two orbits chosen here as illustrative are the last one received from GSFC (private communication from J. W. Siry, GSFC, February 1962) based on an equal weighting of Minitrack and Baker-Nunn photo-reduced observations and one from SAO based only on Baker-Nunn photo-reduced observations. The SAO daily elements were edited to delete a few determinations wherein the orbit disagreed badly with more than one of the three other orbits. It is this SAO orbit that has been adopted for use in analyzing the data and in computing the positions in Appendix B. This choice was made before the last GSFC orbit was received, on the basis that it was the best available at the time. It was also the most convenient to use, since the positions are determined by a relatively simple computer program which includes daily orbital elements rather than involving manipulation and interpolation from a digital magnetic tape. As will be shown

here, there is no reason to believe that the last GSFC orbit is any more or less accurate than the one adopted.

The mathematical basis of the program code used for computing orbital position generally follows that given by Kozai (Reference 13) as detailed by Veis and Moore (References 14 and 15). In practice, the program used computed trigonometric functions of the instantaneous position vector in inertial coordinates directly from the program package called "DOI-II" from the Smithsonian Astrophysical Observatory. The conversion to geographic coordinates was then made by following the formulations given by Moore (Reference 16). The values for the earth used in this conversion were an equatorial radius of 6378.388 km and a flattening factor of 1/297. Although the functional expansions allow computations over several days with one set of orbital elements, the program was so constructed that it uses a different set of orbital elements for each day. In the event that the elements are not available for a particular day or are unusable because poorly determined, a provision is made for updating neighboring elements to fill the gap.

The adopted orbit uses optical observations taken over a span of 5 to 8 days and evaluated at the central epoch. The polynominals used by SAO for fitting the elements over these short arcs were of the form $A + Bt + Ct^2 + D \sin(E + Ft)$, where t is the interval (days) from 0^h on the specified date. The computational procedure is to evaluate the instantaneous elements for each time and then use those elements to determine satellite position. The polynominal coefficients for each element were not all determined individually for each arc, but instead the SAO obtained some from theory and some from consideration of the orbit over a longer period. The elements of the adopted orbit are given in Tables 4a and 4b. These elements were computed especially for this analysis by the SAO and are based substantially on the observations given by Veis (Reference 17). Further information concerning the Vanguard III orbit is given by Mechau (References 18 and 19), Izsak (Reference 20), Jacchia (Reference 21), Zadunaisky and Miller (Reference 22), and Kozai (Reference 23).

Table 4a

Orbital Elements Used in Computation of the Vanguard III Positions Listed in Appendix B

Elements	A	B	C	D	E	F
Argument of perigee	I	4.8708	0	.1157	II	4.8708
Longitude of the node	III	-3.27151	0	.0162	II	4.8708
Inclination	IV	0	0	-.0071	IX	4.8708
Eccentricity	V	-.25E-5	0	.4168E-3	IX	4.8708
Mean Anomaly	VI	VII	VIII	-.3296E-3	II	4.8708

* The values indicated by Roman numerals for a particular date are given in Table 4b. (Values for IX are given by Column II less 90°.) Values for the interval September 18 - 21 (9/18 - 9/21) were derived by extrapolating from the elements for 9/22. Those for 10/16 were extrapolated from 10/17, those for 11/21 - 11/23 from 11/20, and those for 11/24 from 11/25. E indicates powers of 10, e.g., E-3 = 10^{-3}

Table 4b

Values Indicated by Roman Numerals in Table 4a

DATE	I	II	III	IV	V	VI	VII	VIII
9 18	132.4367	222.434	233.8124	33.35252	0.189977	-0.5343930	11.06095362	0.23896E-04
9 19	137.3075	227.305	230.5409	33.35282	0.189974	-0.4734150	11.06100130	0.23896E-04
9 20	142.1783	232.176	227.2694	33.35282	0.189972	-0.4123910	11.06104922	0.23896E-04
9 21	147.0491	237.047	223.9979	33.35282	0.189969	-0.3513170	11.06109691	0.23896E-04
9 22	151.9199	241.918	220.7264	33.35282	0.189967	0.7098028	11.06114488	0.23896E-04
9 23	156.7920	246.789	217.4521	33.35269	0.189980	0.7709785	11.06119352	0.23876E-04
9 24	161.6630	251.660	214.1802	33.35267	0.189977	0.8321962	11.06124120	0.23858E-04
9 25	166.5332	256.530	210.9092	33.35279	0.189973	0.8934608	11.06128920	0.24025E-04
9 26	171.4038	261.401	207.6381	33.35289	0.189970	0.9547737	11.06133720	0.24000E-04
9 27	176.2720	266.272	204.3685	33.35334	0.189969	0.0161370	11.06138392	0.23693E-04
9 28	181.1445	271.143	201.0982	33.35357	0.189962	0.0775395	11.06142968	0.22590E-04
9 29	186.0111	276.014	197.8276	33.35384	0.189954	0.1390041	11.06147480	0.21591E-04
9 30	190.8899	280.884	194.5536	33.35448	0.189965	0.2004859	11.06151960	0.22087E-04
10 1	195.7632	285.755	191.2811	33.35485	0.189985	0.2620314	11.06156344	0.20596E-04
10 2	200.6326	290.626	188.0090	33.35496	0.189985	0.3236198	11.06160312	0.21264E-04
10 3	205.5039	295.497	184.7370	33.35498	0.189984	0.3852439	11.06164520	0.21240E-04
10 4	210.3743	300.368	181.4655	33.35506	0.189981	0.4469114	11.06168744	0.21040E-04
10 5	215.2458	305.238	178.1931	33.35502	0.189971	0.5086188	11.06172520	0.19480E-04
10 6	220.1343	310.109	174.9170	33.35453	0.189968	0.5703261	11.06175576	0.17290E-04
10 7	225.0046	314.980	171.6438	33.35392	0.190003	0.6321266	11.06179272	0.14910E-04
10 8	229.8815	319.851	168.3679	33.35580	0.189952	0.6939145	11.06182200	0.14410E-04
10 9	234.7541	324.722	165.0990	33.35362	0.190023	0.7557738	11.06184408	0.10300E-04
10 10	239.6253	329.592	161.8282	33.35209	0.190031	0.8176292	11.06186312	0.96100E-05
10 11	244.4950	334.463	158.5578	33.35137	0.190068	0.8795143	11.06188088	0.88800E-05
10 12	249.3687	339.334	155.2826	33.35249	0.190053	0.9414022	11.06189976	0.90600E-05
10 13	254.2398	344.205	152.0111	33.35245	0.190051	0.0033095	11.06191800	0.91800E-05
10 14	259.1198	349.076	148.7358	33.35357	0.190065	0.0652160	11.06194168	0.11310E-04
10 15	263.9846	353.946	145.4626	33.35409	0.190052	0.1271858	11.06196328	0.11876E-04
10 16	268.8752	358.817	142.1860	33.35668	0.190063	-0.8108910	11.06198156	0.20410E-04
10 17	273.7460	363.688	138.9145	33.35668	0.190061	0.2511105	11.06202264	0.20410E-04
10 18	278.6014	368.559	135.6425	33.35543	0.190031	0.3131960	11.06205980	0.18810E-04
10 19	283.4949	373.430	132.3691	33.35539	0.189999	0.3752310	11.06208712	0.13840E-04
10 20	288.3501	378.300	129.0950	33.35540	0.190023	0.4373850	11.06211990	0.11800E-04
10 21	293.2210	383.171	125.8235	33.35540	0.190019	0.4995160	11.06214350	0.11900E-04
10 22	298.0639	388.042	122.5618	33.36670	0.189979	0.5617070	11.06217160	0.15100E-04
10 23	302.9416	392.913	119.2876	33.36360	0.189946	0.6238720	11.06220168	0.15030E-04
10 24	307.8140	397.784	116.0161	33.36370	0.189967	0.6860940	11.06223080	0.14680E-04
10 25	312.6970	402.654	112.7392	33.36040	0.190020	0.7483370	11.06225944	0.14040E-04
10 26	317.5920	407.525	109.4625	33.35644	0.190110	0.8105860	11.06228104	0.12360E-04
10 27	322.4325	412.396	106.1865	33.35545	0.189835	0.8728920	11.06230824	0.98900E-05
10 28	327.3042	417.267	102.9149	33.35543	0.189839	0.9352096	11.06232792	0.99400E-05
10 29	332.1709	422.138	99.6431	33.35530	0.189802	0.9975492	11.06234616	0.28700E-03
10 30	337.0457	427.008	96.3702	33.35505	0.189823	0.0599044	11.06236456	0.93310E-05
10 31	341.9139	431.879	93.0872	33.35337	0.189981	0.1223621	11.06238920	0.11900E-03
11 1	346.8027	436.750	89.8243	33.35466	0.189915	0.1846620	11.06241096	0.37710E-02
11 2	351.6736	441.621	86.5528	33.35465	0.189914	0.2470868	11.06243848	0.37700E-02
11 3	356.5704	446.492	83.2644	33.35530	0.190020	0.3095436	11.06246616	0.26500E-02
11 4	361.4445	451.362	79.9930	33.35551	0.190016	0.3720150	11.06248920	0.14300E-02
11 5	366.3154	456.233	76.7215	33.35552	0.190014	0.4345153	11.06251208	0.14200E-02
11 6	371.1990	461.104	73.4463	33.35619	0.190026	0.4970178	11.06253416	1.00000E-03
11 7	376.0683	465.975	70.1750	33.35627	0.190029	0.5595694	11.06255470	0.27000E-03
11 8	380.9382	470.846	66.9052	33.35600	0.190062	0.6221442	11.06257530	0.31200E-03
11 9	385.8113	475.716	63.6327	33.35628	0.190091	0.6847341	11.06259576	0.96500E-03
11 10	390.6826	480.587	60.3613	33.35627	0.190102	0.7473442	11.06261736	0.80300E-03
11 11	395.5534	485.458	57.0898	33.35627	0.190100	0.8099724	11.06263896	0.81700E-03
11 12	400.4200	490.329	53.8174	33.35640	0.190067	0.8726266	11.06266184	0.15000E-02
11 13	405.2902	495.200	50.5439	33.35657	0.190080	0.9353114	11.06268232	0.38800E-03
11 14	410.1609	500.070	47.2724	33.35657	0.190078	0.9980041	11.06270296	0.37900E-03
11 15	415.0289	504.941	43.9999	33.35678	0.190066	0.0607266	11.06272296	0.83000E-03
11 16	419.8990	509.812	40.7280	33.35717	0.190076	0.1234627	11.06274728	0.16480E-02
11 17	424.7676	514.770	37.4563	33.35749	0.190069	0.1862253	11.06277064	0.18800E-02
11 18	429.6380	519.641	34.1849	33.35737	0.190070	0.2490100	11.06207939	0.15000E-02
11 19	434.5070	524.511	30.9134	33.35750	0.190066	0.3118200	11.06281670	0.14000E-02
11 20	439.4000	529.382	27.6393	33.35684	0.190079	0.3746050	11.06283330	0.90000E-03
11 21	444.2708	534.252	24.3678	33.35684	0.190076	0.4374470	11.06285083	0.89000E-05
11 22	449.1416	539.123	21.0963	33.35684	0.190074	0.5003068	11.06286871	0.89000E-05
11 23	454.0124	543.994	17.8248	33.35684	0.190071	0.5631839	11.06288636	0.89000E-05
11 24	458.8672	548.865	14.5505	33.36200	0.190132	-0.3738800	11.06292021	0.13300E-04
11 25	463.7380	553.736	11.2790	33.36200	0.190130	0.6890530	11.06294700	0.33000E-02
11 26	468.5956	558.607	8.0044	33.36080	0.190119	0.7520570	11.06297650	0.27400E-02
11 27	473.4774	563.478	4.7347	33.35932	0.190089	0.8150029	11.06299800	0.32800E-02
11 28	478.3419	568.348	1.4612	33.35976	0.190053	0.8780278	11.06302780	0.25500E-02
11 29	483.2127	573.219	-1.8103	33.35976	0.190050	0.9410682	11.06305304	0.25400E-02
11 30	488.0824	578.090	-5.0825	33.36010	0.190040	0.0041370	11.06307848	0.27700E-02
12 1	492.9539	582.961	-8.3539	33.36014	0.190042	0.0672268	11.06310472	0.30900E-02
12 2	497.8270	587.832	-11.6253	33.36039	0.190051	0.1303380	11.06313096	0.39000E-02
12 3	502.6943	592.702	-14.8972	33.36005	0.190030	0.1934922	11.06315736	0.31600E-02
12 4	507.5697	597.573	-18.1676	33.36014	0.190056	0.2566532	11.06318504	0.33500E-02
12 5	512.4475	602.444	-21.4395	33.35944	0.190043	0.3198290	11.06321224	0.29300E-02
12 6	517.3237	607.315	-24.7116	33.35870	0.190042	0.3830410	11.06323752	0.23100E-02
12 7	522.1971	612.186	-27.9855	33.35760	0.189973	0.4462670	11.06326232	0.23500E-02
12 8	527.0553	617.056	-31.2481	33.36237	0.190073	0.5095910	11.06328632	0.19600E-02
12 9	531.9216	621.927	-34.5177	33.36350	0.190179	0.5729320	11.06331032	0.20100E-02
12 10	536.7907	626.798	-37.7891	33.36350	0.190220	0.6362750	11.06333400	0.17600E-02
12 11	541.7270	631.699	-41.0520	33.36480	0.189900	0.6993100	11.06333490	0.74000E-03

Since the orbital elements were adjusted daily, it was necessary to consider the possible inherent discontinuities in the orbital arcs occurring at midnight. The discontinuities for each day of the adopted orbit were evaluated in terms of the position and a reference field using the Finch and Leaton coefficients. The distribution of these discontinuities over the 86 days between September 18 and December 12, 1959 is listed in Table 5. Except for October 30 and 31, there are no days having jumps greater than 5γ. A detailed comparison between the last GSFC orbit and the adopted orbit at the times listed in Appendix B is given in Figure 6. Shown here are both the root-mean-square (rms) and maximum differences in computed field. Another view of these differences is given in Figure 7. The overall rms, mean (GSFC-SAO), and maximum absolute differences for these two orbits, compared at 5-minute intervals over the whole period, are listed in Table 6. A comparison in daily averages shows the mean longitude difference negative except for the interval November 28 through December 12. The daily mean altitude differences range from +0.13 to +1.49 km with the greater numbers occurring between late November and December 11. The latitude daily mean differences are negative from September 30 through November 2 and again beginning December 6. This last systematic difference is in phase with the latitude of perigee (Reference 22). That is, the differences are most negative in mid-October when perigee is at its minimum latitude. These systematic daily average changes oscillate from -.015 to +.014 degrees in latitude.

A more detailed comparison was made by listing a few of the differences at 5-minute intervals. Within the course of a day the differences in position in latitude and altitude oscillate in sign whereas the longitude differences remain negative. The period of these oscillations is that of one orbital revolution.

Although the detailed systematic and irregular differences between the various orbits have not been explained, it is felt that they are the result of differences in formulation of the orbital theory and methods of handling the observational data. The function of this comparison is merely to examine various orbits in order to make an estimate of the inherent

Table 5

Distribution of Reference Field Discontinuities Which Are Due to Daily Adjustments of Orbital Elements

Reference Field Discontinuity (gammas)	Number of Days
0 - 1	55
1 - 2	14
2 - 4	12
4 - 6	3
6 - 8	2

Table 6

Comparison Between Orbits for Vanguard III; Root-Mean-Square, Mean (GSFC-SAO), and Maximum Absolute Differences Computed Using 5-Minute Intervals

	RMS	Mean	Maximum
Latitude (degrees)	.025	+.001	.058
Longitude (degrees)	.023	-.016	.080
Height (km)	1.13	+.18	3.96
R (separation, km)	5.1	-	11.5
F (gammas)	9	-7	51

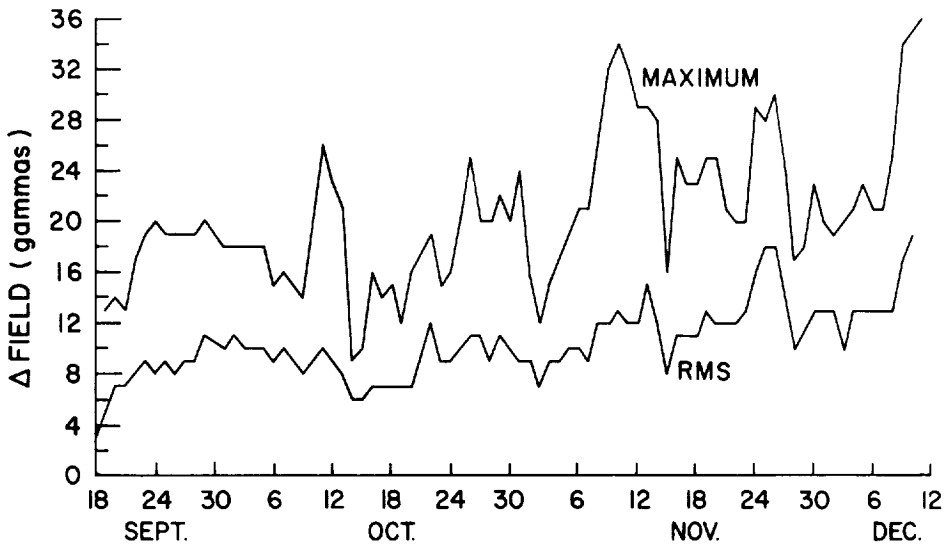

Figure 6—Comparison between the last GSFC orbit and the SAO orbit used in computation. Orbital comparisons for each day.

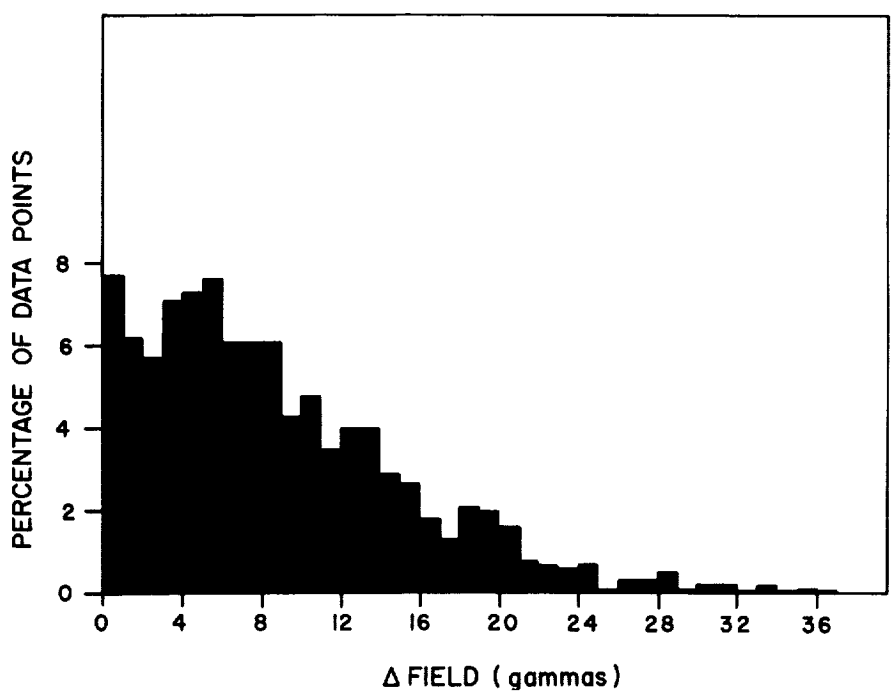

Figure 7—Comparison between the last GSFC orbit and the SAO orbit used in computation. Distribution of orbital differences.

orbital error contribution to any calculated reference field. On the basis of the agreement between the two orbits indicated, it seems likely that an rms error of 9γ could be used with a small possibility of isolated errors up to $50\,\gamma$.

The overall error to any field difference ΔF computed from a measurement listed in Appendix B with a reference field computed from the orbital position can now be estimated from the items 1-3 on pages 12 and 13 in the "Data" section and this orbital error. Assuming uncorrelated errors, the overall estimate from these sources is $\sqrt{1^2 + 2^2 + 4^2 + 9^2} = 10\gamma$ (rms).

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REFERENCE FIELDS

The computations of the various reference fields mentioned in this report have been made using different forms of a FORTRAN program originally supplied by the Air Force Special Weapons Center (AFSWC) at Kirtland Air Force Base (Reference 24). This program code, given in Table 7, uses the Gauss normalized set of coefficients (Reference 25).* The FORTRAN program in Table 7 computes the components of the geomagnetic field BN (geographic north), BE (geographic east), BV (vertical component positive downward), and B (total field). The units are those of the coefficients (Gaussian normalized) in COMMON. The sets of harmonic coefficients used here are given in Table 8. The Finch and Leaton coefficients were a derivation from the 1955 British magnetic charts, whereas the Jensen and Whitaker set was based on the 1955 U.S. Navy Hydrographic Office Vertical Intensity Charts. The VANGA coefficient set given in Table 8 is a mathematical adjustment of coefficients to give a least squares fit to the Vanguard data and was used to compute the frequencies in Appendix A. This fit will be described in more detail elsewhere and should be considered only preliminary. However, it does give an rms residual to the data in Appendix B of $22\,\gamma$, whereas that for Finch and Leaton fit to only $255\,\gamma$. The VANGA field should be construed only as a smooth curve through these data and not necessarily as a physically meaningful description of the geomagnetic field in regions remote from the Vanguard measurements.

ACKNOWLEDGMENTS

The Smithsonian Astrophysical Observatory provided not only sets of orbital elements but also permitted the use of sections of their computer programs. The orbital and reference field programs were adapted by W. E. Daniels. Final data reduction and checking was done under the supervision of S. Hendricks.

*Note that $g_n^m = G(N + 1, M + 1)$, for example, for the Finch and Leaton coefficients $G(2, 1) = 30{,}550\,\gamma$.

Table 7

Geomagnetic Field Program Code

```
C       EARTHS MAGNETIC FIELD USING ANY SET OF COEFFICIENTS
        SUBROUTINE FIELD(DLAT,DLONG,HGT,NMAX,BN,BE,BV,B)
        DIMENSION H(30,30),G(30,30),P(30,30),DP(30,30),CONST(30,30),SP(30)
       1,CP(30),AOR(30)
        COMMON H,G
        IF(CP(1)-1.0) 1,2,1
 1      P(1,1)=1.0
        DP(1,1)=0.0
        SP(1)=0.0
        CP(1)=1.0
        DO 4 M=1,30
        DO 3N=1,2
 3      CONST(N,M)=0.0
        DO 4 N=3,30
        FM=M
        FN=N
 4      CONST(N,M)=((FN-2.0)*(FN-2.0)-(FM-1.0)*(FM-1.0))/((FN+FN)-3.0)/((F
       1N+FN)-5.0)
 2      PHI=DLONG/57.2957795
        AR=6371.2/(6371.2+HGT)
        C=SINF(DLAT/57.2957795)
        S=SQRTF(1.0-C*C)
        SP(2)=SINF(PHI)
        CP(2)=COSF(PHI)
        AOR(1)=AR*AR
        AOR(2)=AOR(1)*AR
        DO 5 M=3,NMAX
        SP(M)=SP(2)*CP(M-1)+CP(2)*SP(M-1)
        CP(M)=CP(2)*CP(M-1)-SP(2)*SP(M-1)
 5      AOR(M)=AR*AOR(M-1)
        BV=AOR(1)*G(1,1)
        BN=0.0
        BPHI=0.0
        DO 6 N=2,NMAX
        FN=N
        SUMR=0.0
        SUMT=0.0
        SUMP=0.0
        DO 7 M=1,N
        IF(N-M)8,9,8
 9      P(N,N)=S*P(N-1,N-1)
        DP(N,N)=S*DP(N-1,N-1)+C*P(N-1,N-1)
        GO TO 10
 8      P(N,M)=C*P(N-1,M)-CONST(N,M)*P(N-2,M)
        DP(N,M)=C*DP(N-1,M)-S*P(N-1,M)-CONST(N,M)*DP(N-2,M)
 10     FM=M-1
        TS=G(N,M)*CP(M)+H(N,M)*SP(M)
        SUMR=SUMR+P(N,M)*TS
        SUMT=SUMT+DP(N,M)*TS
 7      SUMP=SUMP+FM*P(N,M)*(-G(N,M)*SP(M)+H(N,M)*CP(M))
        BV=BV+AOR(N)*FN*SUMR
        BN=BN-AOR(N)*SUMT
 6      BPHI=BPHI-AOR(N)*SUMP
        BE=-BPHI/S
        B=SQRTF(BN*BN+BV*BV+BE*BE)
        RETURN
        END
```

G-272

Table 8

Sets of Harmonic Coefficients Used

FINCH AND LEATON COEFFICIENTS

Values of n	Gauss* Coeff	Values of m: 0	1	2	3	4	5	6
1	g	30540	2270					
	h		-5900					
2	g	2280	-5450	-1370				
	h		3090	-210				
3	g	-2950	5860	-2440	-720			
	h		1380	-570	80			
4	g	-4150	-4400	-2270	800	-230		
	h		-820	1210	80	120		
5	g	2090	-3220	-1550	170	340	50	
	h		-170	-790	280	310	-60	
6	g	-1500	-930	-250	2410	160	-10	70
	h		400	-1660	-40	60	60	10

AFSWC COEFFICIENTS

Values of n	Gauss Coeff	Values of m: 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0	g	-18																	
	h																		
1	g	30396	1955																
	h		-5677																
2	g	2331	-5007	-1444															
	h		3133	-398															
3	g	-2946	5672	-2181	-788														
	h		1346	-407	37														
4	g	-3849	-4292	-2307	770	-269													
	h		-427	876	296	144													
5	g	1402	-3925	-990	465	237	19												
	h		60	-688	-82	195	-39												
6	g	-55	-1515	-1336	1833	298	-34	37											
	h		695	-1972	346	262	-58	31											
7	g	-2828	99	2803	1163	127	180	45	-34										
	h		214	-314	-927	-573	85	12	21										
8	g	3968	-2607	-5549	-1213	-611	-373	-43	31	-8									
	h		2231	-509	1320	698	-451	14	40	8									
9	g	-5803	-1367	5794	6200	-11	654	214	-16	36	2								
	h		-3844	-2356	45	-192	-201	-60	-33	27	11								
10	g	7161	7586	-9570	-1048	-1781	-3226	39	-4	-33	45	2							
	h		4766	-4465	-1795	1403	1658	-398	-43	34	22	5							
11	g	-14279	-23675	11018	16963	2491	3007	592	874	62	-54	23	0						
	h		-13709	-2670	13345	146	3397	1430	-401	-248	-52	-4	2						
12	g	6652	32800	-30780	-3336	-905	-8505	-3505	-2319	-538	0	-89	5	1					
	h		8757	-17468	-13155	3206	3643	-754	1192	274	-1	-30	7	-1					
13	g	2599	-40789	31546	39329	3469	18160	11472	979	-968	-417	-16	70	7	2				
	h		11263	-11859	27327	21117	6651	1643	-217	469	-187	228	-58	7	0				
14	g	-38999	-1219	-73818	8755	7193	-30980	-6680	-783	-1773	-2409	-435	-150	9	7	2			
	h		35060	19510	-45139	-6531	20757	19044	-2515	-1480	1285	67	190	-12	39	0			
15	g	45463	95137	129784	62909	16164	25131	26326	4238	5600	1534	-351	621	-150	-14	-26	1		
	h		13410	-59674	72092	138838	-36455	-18118	-4715	-2511	432	-1788	-380	132	-2	5	3		
16	g	-76762	-160000	-159471	-78574	109988	-95285	-46851	31409	12603	-340	333	-479	-330	-59	34	-16	-1	
	h		94254	174381	-21754	-98344	12681	77386	-7020	-15440	6857	3313	878	399	247	48	3	1	
17	g	113768	162544	686960	254895	-16976	124243	39359	23510	-13025	-13657	-577	5056	-2424	2	-142	1	-13	0
	h		44450	-409890	38167	429774	-176435	-93185	-63395	-10636	7334	-8262	-1186	71	220	284	28	-10	1
18	g	67106	18772	-388579	-1068565	34693	-682176	-94677	-22736	26585	56908	-4546	2965	-1183	-535	58	-37	-9	-1
	h		-16295	446246	1481924	-277064	-448011	118301	77351	15452	-13342	4200	-755	5470	919	332	197	71	16
19	g	-44168	-82894	-43372	736169	212357	504973	-215335	-85600	302516	-35806	23521	3378	-2970	-667	-262	-23	-68	-67
	h		-22377	25763	-851430	-249209	152982	45362	-225070	-271012	25583	2114	-27742	-4526	2148	2034	1024	175	23
20	g	255145	130357	-451283	-939382	-826669	-106698	470843	21181	-131323	-142951	-51088	24904	-8728	8302	741	1472	94	-2
	h		-101070	520521	1305164	376051	4654	121375	60293	-163110	327689	9620	40645	24349	-8359	5795	-647	196	183
21	g	91120	-28570	481428	2173132	2208975	945154	-343913	-679813	168302	34689	-298460	58155	-12409	-32604	-5149	2425	1430	110
	h		529	-291310	-2391457	-2490055	143004	51886	240652	206188	-171148	26562	-62614	-43560	-11315	1547	5168	2380	446
22	g	629949	-125370	-1027583	-809968	-4826901	-69008	1224189	159271	-681313	-114053	-412053	36980	-36769	75262	-2186	14243	4305	1924
	h		-108137	1202460	1081083	3041038	1601935	341687	408843	-187422	268471	202631	96574	66031	23813	-9806	9673	2338	-801
23	g	1805620	911832	1545517	5670086	9254124	1289772	-341499	-2050636	1873344	170651	-774724	205694	35376	-88106	-71034	250	-4315	8301
	h		99924	-901178	-6391095	-10742829	-1334958	-224785	1636680	-2808974	-568294	81070	-49261	-40263	-85692	-58232	4384	15746	4145
24	g	-1432659	-1213544	-2615093	485954	-17468591	-3419905	3475519	466132	-2007614	527084	-934439	226466	-495836	89533	61629	4546	8541	-415
	h		254579	2883565	-724323	11363591	11937783	2172537	1124285	518451	-964975	435093	588995	176890	43387	-68288	-48587	-14226	-605

VANGA COEFFICIENTS

Values of n	Gauss Coeff	Values of m: 0	1	2	3	4	5	6	7
1	g	30674	1943						
	h		-5762						
2	g	3083	-5958	-1074					
	h		3425	-581					
3	g	-2720	6603	-2334	-901				
	h		1975	-343	388				
4	g	-3485	-3870	-3025	426	-209			
	h		124	1180	37	-16			
5	g	3514	-4447	-2872	856	103	72		
	h		889	-1509	-223	273	-144		
6	g	-1426	-4426	133	2782	-87	46	-27	
	h		-1299	-2991	911	372	54	43	
7	g	-8310	6652	13804	-1721	-2500	715	-177	-62
	h		-994	947	2206	-694	-293	227	-162

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Appendix A

Catalogue List of Data Tapes

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
NELCAL	001/	2	2	2	2	9	18	7	35	1546	23	29	-116	563	672	168	35
	TAPE MARKED AS NO. 006. FIRST TAPE																
QUITOE	287/	3	0	0	0	9	18	10	7	742	-34	-12	-77	1278	1913	172	54
	LONG HOLDS OF HIGH FREQ. ON FIRST FEW MINUTES OF TAPE. FIRST TAPE																
AGASTA	168/	0	2	2	2	9	18	10	8	708	-32	-14	-74	1353	1857	338	49
	FIRST TAPE																
LIMAPU	007/	2	5	4	4	9	18	10	8	708	-32	-14	-74	1353	1420	128	20
	FIRST TAPE. WHISTLERS ON TAPE																
AGASTA	169/	11	0	0	0	9	18	12	32	497	-14	-30	-71	2433	2565	182	23
SNTAGO	001/	8	0	0	0	9	18	12	35	458	-12	-32	-63	2650	2793	82	22
	TM-OPERATOR ERROR, FIRST TAPE																
SNTAGO	002/	6	9	7	7	9	18	14	55	400	-10	-33	-71	3245	3247	263	2
	WHISTLERS ON TAPE																
AGASTA	170/	11	3	1	1	9	18	14	56	390	-9	-33	-69	3295	3541	175	27
LIMAPU	008/	8	0	0	0	9	18	14	58	372	-8	-33	-65	3386	4683	153	57
LIMAPU	009/	5	0	0	0	9	18	17	17	346	-7	-28	-80	3669	4344	187	42
	TM-RESPONSES QUESTIONABLE																
SNTAGO	003/	5	5	0	0	9	18	17	21	322	-5	-26	-72	3731	3882	348	20
AGASTA	171/	5	0	0	0	9	18	17	22	317	-4	-25	-71	3740	3745	197	4
LIMAPU	010/	5	10	8	8	9	18	19	48	331	3	-10	-79	3531	3544	316	6
QUITOE	288/	5	13	7	7	9	18	19	50	339	5	-8	-76	3458	3625	159	22
	WHISTLERS ON TAPE																
AGASTA	172/	7	0	0	0	9	18	19	54	365	8	-3	-70	3284	4279	1	51
ANTGUA	002/	2	2	2	2	9	18	20	0	429	14	4	-60	2954	3465	174	39
	FIRST TAPE																
WOMERA	186/	3	3	3	3	9	18	21	4	1050	-19	-23	137	1750	2055	359	36
	POWER LINE FREQUENCY 58.74 CPS. FIRST TAPE.																
QUITOE	289/	2	2	2	2	9	18	22	19	640	28	15	-77	2347	3129	6	50
	WHISTLERS ON TAPE																
ANTGUA	003/	2	2	2	2	9	18	22	27	890	31	25	-58	1722	2059	25	38
	WHISTLERS ON TAPE.																
WOMERA	187/	4	1	1	1	9	18	23	28	807	-19	-33	140	2791	2829	123	11
BPOINT	001/	4	4	2	2	9	19	0	42	1149	43	30	-75	1349	1684	168	41
	FIRST TAPE, WHISTLERS ON TAPE																
WOMERA	188/	6	0	0	0	9	19	1	51	633	-12	-31	137	3469	3471	120	2
NELCAL	002/	3	2	2	2	9	19	2	50	988	54	28	-115	1516	1617	154	23
	WHISTLER ON TAPE																
BPOINT	002/	2	2	1	1	9	19	3	1	1542	20	33	-73	777	1086	144	48
	WHISTLERS ON TAPE																
WOMERA	189/	6	5	5	5	9	19	4	19	499	-6	-19	137	3738	4109	359	31
	RISING WHISTLER DURING LAST SIGNAL. POOR 100 KC																
NELCAL	003	3	2	2	2	9	19	5	9	1373	57	33	-114	898	941	67	19
ANTGUA	004/	2	2	2	2	9	19	5	23	1446	-69	18	-57	524	729	82	46
	STRONG HETERODYNE ON SIG. 1. WHISTLERS ON TAPE																
NELCAL	004	3	3	3	3	9	19	7	27	1538	17	28	-113	564	846	145	51
QUITOE	290/	2	0	0	0	9	19	9	57	800	-37	-11	-81	1130	1708	191	54
	1 KC PINCHED SIGNALS																
LIMAPU	011/	5	8	7	8	9	19	9	59	729	-33	-15	-75	1274	1342	145	20
	DOUBLE INTERROGATIONS ON THREE SIGNALS																
AGASTA	173/	5	7	6	6	9	19	10	1	667	-27	-18	-70	1425	1593	6	30
LIMAPU	012/	10	1	0	0	9	19	12	19	583	-20	-28	-81	2044	2921	192	54
	ONE SIGNAL FOUND ON TAPE BUT TOO FAR IN NOISE TO COUNT.																
AGASTA	174/	10	15	0	30	9	19	12	22	528	-16	-30	-73	2278	2450	199	25
	WHISTLER ON TAPE																
LIMAPU	013/	12	7	6	2	9	19	12	23	512	-15	-31	-70	2354	3511	162	59
	TM-WEAK SIGNALS																
SNTAGO	004/	8	1	0	0	9	19	12	22	528	-16	-30	-73	2278	2323	327	13
SNTAGO	005/	6	4	4	4	9	19	14	45	416	-11	-33	-73	3137	3146	268	5
LIMAPU	014/	3	2	2	1	9	19	14	47	394	-10	-33	-68	3242	4460	160	56
	TM-VERY NOISY																
AGASTA	175/	X	5	4	4	9	19	14	47	394	-10	-33	-68	3242	3484	169	27
LIMAPU	015/	2	4	4	4	9	19	17	8	345	-7	-27	-79	3645	4249	185	40
AGASTA	176/	3	3	0	0	9	19	17	11	325	-5	-25	-73	3704	3731	238	9

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
SNTAGO	006/	3	3	3	3	9	19	17	11	325	-5	-25	-73	3704	3875	343	22
QUITOE	291/	3	2	0	0	9	19	19	39	329	4	-9	-78	3564	3736	178	22
LIMAPU	016/	2	5	3	2	9	19	19	39	329	4	-9	-78	3564	3594	339	9
AGASTA	177/	X	(2)	0	0	9	19	19	42	344	6	-5	-74	3460	4298	348	47
ANTGUA	005/	2	2	0	0	9	19	19	49	404	12	3	-63	3132	3702	187	40
WOMERA	190/	3	3	3	3	9	19	20	56	1076	-21	-24	139	1746	1950	17	30
QUITOE	292/	2	2	0	0	9	19	22	8	581	25	14	-81	2571	3207	351	45
BPOINT	003/	0	0	0	0	9	19	22	8	581	25	14	-81	2571	4144	189	65
ANTGUA	006/	2	2	2	2	9	19	22	17	840	30	25	-61	1885	2125	8	32
WOMERA	191/	2	1	1	1	9	19	23	18	849	-20	-33	138	2651	2669	143	8
NELCAL	005/	4	0	0	0	9	20	0	17	533	23	13	-116	2655	3748	176	56
BPOINT	004/	2	2	2	2	9	20	0	33	1117	42	31	-75	1429	1724	170	38
WOMERA	192/	3	1	1	1	9	20	1	42	638	-13	-31	139	3427	3434	80	4
NELCAL	006/	3	3	2	2	9	20	2	41	963	51	29	-115	1598	1675	155	19
		WHISTLER ON TAPE															
BPOINT	005/	2	2	2	1	9	20	2	52	1503	23	33	-74	833	1102	152	44
		WHISTLERS ON TAPE. BAD 100 KC.															
WOMERA	193/	2	2	1	1	9	20	4	8	502	-6	-19	134	3750	4108	348	31
NELCAL	007/	2	1	1	1	9	20	5	0	1331	56	33	-115	962	984	59	13
ANTGUA	007/	1	1	1	1	9	20	5	14	1453	-65	17	-59	515	615	84	35
		WHISTLER ON TAPE															
NELCAL	008/	2	2	2	2	9	20	7	18	1504	21	28	-115	592	833	158	47
QUITOE	293/	1	2	0	0	9	20	9	50	750	-32	-15	-76	1198	2158	170	64
		WHISTLER ON TAPE															
LIMAPU	018/	2	5	4	4	9	20	9	50	750	-32	-15	-76	1198	1278	161	22
		WHISTLERS ON TAPE															
AGASTA	178/	3	3	2	2	9	20	9	53	660	-25	-20	-68	1422	1521	36	23
		WHISTLERS ON TAPE															
AGASTA	179/	3	2	1	1	9	20	12	15	511	-15	-32	-67	2351	2608	162	30
LIMAPU	019/	0	1	1	1	9	20	12	15	511	-15	-32	-67	2351	3702	157	63
SNTAGO	007/	3	2	2	2	9	20	12	15	511	-15	-32	-67	2351	2390	68	12
		PINCHED SIGNAL															
LIMAPU	020/	2	5	2	0	9	20	14	34	448	-14	-33	-76	2960	4133	179	56
SNTAGO	008/	3	1	0	0	9	20	14	37	409	-11	-33	-69	3134	3138	69	4
AGASTA	180/	3	6	1	1	9	20	14	38	398	-11	-32	-67	3188	3427	163	27
LIMAPU	021/	2	4	2	0	9	20	17	0	336	-6	-26	-76	3643	4131	175	36
		POOR 100 KC															
AGASTA	181/	3	0	0	0	9	20	17	4	314	-5	-23	-69	3717	3723	47	4
SNTAGO	009/	3	2	0	0	9	20	17	4	314	-5	-23	-69	3717	4004	8	28
		NOISY TAPE															
QUITOE	294/	3	0	0	0	9	20	19	26	320	1	-11	-84	3688	4045	205	31
LIMAPU	022/	2	3	2	0	9	20	19	32	338	6	-5	-75	3533	3665	17	19
		SIGNALS WEAK, SHORT, PINCHED.															
AGASTA	182/	3	0	0	0	9	20	19	36	366	8	-1	-69	3380	4622	2	56
ANTGUA	008/	2	2	0	0	9	20	19	41	417	12	5	-62	3134	3524	180	34
WOMERA	194/	2	2	2	2	9	20	20	47	1122	-23	-25	139	1663	1835	16	28
QUITOE	295/	2	0	0	0	9	20	21	59	577	24	15	-81	2645	3362	352	47
BPOINT	006/	2	2	1	1	9	20	22	2	652	27	19	-75	2430	3552	174	58
ANTGUA	009/	2	1	1	1	9	20	22	9	851	28	27	-58	1889	2280	20	39
		TM-POOR S/N															
WOMERA	195/	2	2	2	2	9	20	23	9	874	-22	-33	139	2577	2605	136	10

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	007/	2	2	2	2	9	21	0	25	1126	37	32	-72	1433	1720	149	38
WOMERA	196/	0	0	0	0	9	21	1	32	657	-14	-31	137	3339	3340	56	2
		PREDICTION TIMES FOR 59 ETA AND 58 BETA WERE COINCIDENT AND FREQ. SIMILIAR.															
NELCAL	009/	2	3	2	2	9	21	2	32	939	48	29	-115	1681	1737	154	16
BPOINT	008/	2	2	2	2	9	21	2	43	1462	25	33	-75	892	1134	159	41
		WHISTLER ON TAPE															
WOMERA	197/	2	2	2	2	9	21	4	0	487	-7	-17	136	3750	4231	358	35
NELCAL	010/	2	0	0	0	9	21	4	51	1290	55	33	-116	1029	1039	45	9
		TM-COMMAND TRANSMITTER FAILURE															
ANTGUA	010/	2	2	2	2	9	21	5	5	1455	-60	17	-60	513	539	88	19
		WHISTLERS ON TAPE															
NELCAL	011/	3	1	1	1	9	21	7	10	1491	14	26	-112	593	1061	146	60
AGASTA	183/	3	1	0	0	9	21	9	42	740	-31	-18	-74	1195	1463	330	39
		NO 100 KC															
LIMAPU	023/	2	2	1	1	9	21	9	42	740	-31	-18	-74	1195	1436	152	37
		SIGNALS UNSATISFACTORY DUE TO FREQUENT FADING.NOISY TAPE															
AGASTA	184/	3	0	0	0	9	21	12	4	561	-18	-31	-72	2116	2338	193	29
		TAPE UNREADABLE, CHANNELS MIXED															
LIMAPU	024/	2	3	2	1	9	21	12	5	543	-18	-32	-69	2194	3493	161	62
SNTAGO	010/	2	2	1	1	9	21	12	5	543	-18	-32	-69	2194	2206	38	7
LIMAPU	025/	0	0	0	0	9	21	14	25	455	-15	-33	-76	2894	4068	176	56
AGASTA	185/	3	0	0	0	9	21	14	26	440	-13	-33	-73	2957	3229	194	29
		TAPE UNREADABLE, CHANNELS MIXED															
SNTAGO	011/	3	0	0	0	9	21	14	28	414	-12	-32	-68	3075	3088	69	6
QUITOE	296/	3	0	0	0	9	21	16	51	335	-6	-25	-75	3616	4932	172	56
LIMAPU	026/	0	1	1	1	9	21	16	52	329	-6	-24	-73	3641	4043	164	33
		POOR 100 KC															
SNTAGO	012/	3	3	0	0	9	21	16	53	323	-6	-23	-72	3664	3927	355	27
AGASTA	186/	3	0	0	0	9	21	16	54	317	-5	-22	-70	3684	3689	12	4
		TAPE UNREADABLE, CHANNELS MIXED															
QUITOE	297/	3	2	0	0	9	21	19	17	319	2	-10	-83	3705	3978	206	27
LIMAPU	027/	3	2	2	1	9	21	19	23	340	6	-4	-75	3566	3760	16	23
AGASTA	187/	3	0	0	0	9	21	19	26	359	8	-0	-71	3463	4724	359	56
		TAPE UNREADABLE, CHANNELS MIXED															
ANTGUA	011/	2	2	0	0	9	21	19	32	416	12	7	-62	3190	3494	179	30
		TM-VERY POOR TAPE															
WOMERA	198/	2	2	2	2	9	21	20	38	1168	-23	-26	138	1581	1724	15	26
BPOINT	009/	2	2	0	0	9	21	21	52	620	25	18	-77	2578	3673	179	56
QUITOE	298/	2	0	0	0	9	21	21	53	645	26	20	-75	2506	3679	10	58
ANTGUA	012/	2	2	2	2	9	21	21	59	806	26	26	-61	2051	2362	6	35
		POOR 100 KC															
WOMERA	199/	2	2	2	2	9	21	22	59	924	-24	-33	137	2428	2443	172	8
		WHISTLERS ON TAPE															
NELCAL	012/	3	2	2	2	9	21	23	59	526	21	15	-115	2797	3653	175	50
BPOINT	010/	2	2	2	2	9	22	0	16	1094	35	32	-73	1513	1768	149	35
WOMERA	200/	2	2	2	2	9	22	1	23	664	-16	-30	138	3289	3299	54	5
NELCAL	013/	2	2	2	2	9	22	2	23	916	46	30	-115	1764	1805	152	14
		WHISTLER ON TAPE															
BPOINT	011/	2	2	2	2	9	22	2	34	1420	27	33	-75	955	1180	165	39
		WHISTLERS ON TAPE															
WOMERA	201/	1	1	1	1	9	22	3	50	486	-7	-17	135	3744	4258	355	37
NELCAL	014/	3	3	3	3	9	22	4	42	1250	53	33	-117	1098	1104	24	6
		WHISTLERS ON TAPE															
ANTGUA	013/	2	2	2	2	9	22	4	57	1397	-61	15	-58	513	695	124	45
		HETERODYNE ON BOTH SIGNALS. WHISTLERS ON TAPE															
NELCAL	015/	2	2	2	1	9	22	7	1	1454	17	26	-114	626	1050	154	57
		POOR SIGNALS															
LIMAPU	028/	2	1	1	1	9	22	9	33	762	-31	-18	-75	1122	1389	160	40
		TM-FADING SIGNAL. WHISTLER ON TAPE															
AGASTA	188/	3	1	1	1	9	22	9	33	762	-31	-18	-75	1122	1396	322	40

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	189/	3	0	0	0	9	22	11	56	559	-19	-32	-69	2113	2381	173	32
SNTAGO	013/	3	0	0	0	9	22	11	56	559	-19	-32	-69	2113	2125	53	7
LIMAPU	029/	2	3	2	2	9	22	14	16	462	-16	-33	-75	2827	3999	174	57
AGASTA	190/	3	(2)	0	0	9	22	14	16	462	-16	-33	-75	2827	3130	201	31
SNTAGO	014/	3	0	0	0	9	22	14	18	432	-13	-32	-70	2954	2958	43	4
LIMAPU	030/	2	5	2	2	9	22	16	42	335	-7	-24	-74	3587	3959	167	32
SNTAGO	015/	2	4	0	0	9	22	16	44	322	-5	-22	-71	3640	3966	359	30
AGASTA	191/	3	4	0	0	9	22	16	45	317	-5	-21	-69	3662	3683	21	8
QUITOE	299/	3	4	0	0	9	22	19	10	324	4	-6	-80	3688	3777	194	16
		WHISTLER ON TAPE															
LIMAPU	031/	2	4	2	1	9	22	19	13	336	6	-3	-76	3623	3824	9	24
		ONE UNREADABLE DUE TO 100 KC DROPOUT. WHISTLER ON TAPE															
ANTGUA	014/	2	2	2	2	9	22	19	23	419	12	8	-61	3243	3471	177	26
WOMERA	202/	2	2	2	2	9	22	20	30	1191	-26	-27	141	1579	1706	46	25
QUITOE	300/	2	1	0	0	9	22	21	42	592	23	18	-79	2720	3709	0	53
BPOINT	012/	3	0	0	0	9	22	21	43	615	23	20	-77	2651	3634	178	53
ANTGUA	015/	2	2	2	2	9	22	21	50	789	26	27	-61	2132	2482	6	36
		SIGNAL 2 NOISY															
WOMERA	203/	2	2	2	2	9	22	22	50	953	-26	-33	138	2350	2370	160	9
NELCAL	016/	2	2	2	2	9	22	23	49	503	20	15	-117	2927	3753	180	48
BPOINT	013/	2	2	1	1	9	23	0	7	1063	33	32	-73	1594	1822	149	33
WOMERA	204/	2	2	2	2	9	23	1	14	670	-17	-29	139	3238	3262	52	9
NELCAL	017/	3	3	3	3	9	23	2	15	938	45	31	-112	1767	1848	109	19
		NOISY TAPE. WHISTLERS ON TAPE															
BPOINT	014/	2	2	0	0	9	23	2	25	1377	28	33	-76	1021	1238	171	37
		NO 100 KC															
WOMERA	205/	2	2	1	1	9	23	3	43	463	-8	-13	139	3747	4507	7	44
NELCAL	018/	3	2	2	2	9	23	4	34	1261	50	33	-113	1101	1169	80	21
ANTGUA	016/	2	1	1	1	9	23	4	48	1393	-56	15	-60	516	636	143	37
		WHISTLER ON TAPE															
NELCAL	019/	2	2	2	2	9	23	6	52	1415	19	26	-115	665	1064	164	55
QUITOE	301/	2	0	0	0	9	23	7	2	1259	-50	6	-80	532	938	351	59
LIMAPU	032/	2	5	5	4	9	23	9	24	785	-32	-19	-76	1052	1354	168	43
		TM-FADE IN SIGNAL.WHISTLER ON TAPE.															
AGASTA	192/	2	6	6	6	9	23	9	25	753	-29	-20	-73	1121	1215	326	25
SNTAGO	016/	2	2	1	1	9	23	9	26	724	-27	-22	-70	1191	1811	6	55
AGASTA	193/	2	2	0	0	9	23	11	46	596	-21	-32	-72	1953	2228	188	33
		NO CODED TIME															
SNTAGO	017/	2	4	4	4	9	23	11	47	575	-19	-32	-69	2032	2045	67	7
		WHISTLERS ON TAPE															
LIMAPU	033/	1	(4)	0	0	9	23	14	6	486	-17	-33	-76	2691	3877	178	58
SNTAGO	018/	3	5	2	2	9	23	14	8	453	-15	-32	-71	2825	2828	330	3
AGASTA	194/	2	2	2	2	9	23	14	9	438	-15	-32	-69	2889	3099	172	26
QUITOE	302/	3	(4)	0	0	9	23	16	34	328	-6	-21	-72	3585	4690	163	52
LIMAPU	034/	2	4	2	2	9	23	16	35	322	-5	-21	-70	3613	3928	143	29
AGASTA	195/	3	4	0	0	9	23	16	35	322	-5	-21	-70	3613	3638	3	8
SNTAGO	019/	2	2	0	0	9	23	16	35	322	-5	-21	-70	3613	4013	2	33
LIMAPU	035/	1	4	2	2	9	23	19	5	345	6	-0	-74	3624	3975	15	31
		NOISY TAPE. WHISTLERS ON TAPE															
QUITOE	303/	3	2	0	0	9	23	19	5	345	6	-0	-74	3624	3678	88	12
		WHISTLERS ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	196/	3	3	0	0	9	23	19	8	365	8	3	-70	3536	5073	1	61
		TAPE UNREADABLE.CHANNELS MIXED															
ANTGUA	017/	2	3	1	1'	9	23	19	14	421	12	10	-61	3293	3456	174	22
WOMERA	206/	2	2	2	2	9	23	20	21	1239	-28	-28	141	1498	1605	49	23
QUITOE	304/	3	0	0	0	9	23	21	33	588	22	20	-78	2789	3868	1	55
BPOINT	015/	2	2	1	1	9	23	21	37	678	24	24	-70	2512	3256	155	48
ANTGUA	018/	2	4	4	4	9	23	21	41	774	23	28	-60	2212	2602	7	37
WOMERA	207/	2	2	2	2	9	23	22	41	982	-28	-33	138	2272	2298	151	10
		WHISTLERS ON TAPE															
NELCAL	020/	2	0	0	0	9	23	23	40	502	19	16	-117	2990	3705	179	45
		TW-VERY WEAK SIGNAL															
BPOINT	016/	2	2	2	2	9	23	23	58	1032	33	33	-73	1676	1883	148	31
WOMERA	208/	2	2	2	2	9	24	1	4	696	-19	-29	138	3130	3146	33	7
NELCAL	021/	4	2	2	2	9	24	2	6	915	43	31	-112	1849	1925	104	18
BPOINT	017/	2	2	2	2	9	24	2	16	1335	28	32	-77	1090	1304	176	36
		WHISTLERS ON TAPE															
WOMERA	209/	0	0	0	0	9	24	3	33	463	-9	-13	138	3735	4529	4	45
NELCAL	022/	3	3	3	3	9	24	4	26	1268	46	33	-110	1102	1323	89	37
		WHISTLERS ON TAPE															
ANTGUA	019/	2	2	2	2	9	24	4	39	1384	-51	14	-61	526	625	169	34
		WHISTLERS ON TAPE															
NELCAL	023/	2	1	1	1	9	24	6	43	1375	21	25	-116	708	1101	172	54
QUITOE	305/	2	2	1	1	9	24	6	55	1159	-52	1	-75	550	737	66	44
		WHISTLERS ON TAPE															
LIMAPU	036/	2	4	4	4	9	24	9	16	776	-29	-21	-73	1051	1579	159	53
SNTAGO	020/	3	4	4	4	9	24	9	18	719	-25	-24	-67	1190	1675	20	50
AGASTA	197/	3	1	1	1	9	24	9	18	719	-25	-24	-67	1190	1242	97	18
		WHISTLERS ON TAPE															
AGASTA	198/	2	4	4	4	9	24	11	38	592	-21	-33	-68	1951	2277	170	36
		WHISTLER ON TAPE															
SNTAGO	021/	4	4	4	4	9	24	11	40	552	-19	-33	-62	2109	2293	93	27
		PINCHED SIGNAL. WHISTLER ON TAPE.															
LIMAPU	037/	2	(2)	2	0	9	24	13	57	495	-19	-33	-75	2619	3796	176	58
		POOR SIGNALS ACCOMPANIED BY HIGHER FREQUENCY TONE															
SNTAGO	022/	2	6	3	3	9	24	13	59	459	-16	-32	-70	2757	2762	10	4
		WEAK,PINCHED SIGNAL															
AGASTA	199/	3	6	2	2	9	24	14	0	443	-15	-31	-68	2823	3020	166	25
LIMAPU	038/	2	6	2	1	9	24	16	23	343	-8	-22	-74	3485	3777	166	29
		BAD 100 KC,WHISTLER ON TAPE															
SNTAGO	023/	3	(2)	0	0	9	24	16	25	329	-6	-20	-71	3553	3980	358	34
		POLARIZATION NOISE															
AGASTA	200/	3	6	0	0	9	24	16	26	323	-5	-19	-69	3584	3635	10	12
QUITOE	306/	2	4	0	0	9	24	18	51	326	4	-4	-81	3729	3773	209	11
		WHISTLER ON TAPE															
LIMAPU	039/	2	3	3	3	9	24	18	54	338	5	-1	-76	3689	3983	4	28
ANTGUA	020/	2	2	1	1	9	24	19	5	424	11	11	-61	3341	3450	170	18
		2ND SIGNAL PINCHED. WHISTLER ON TAPE															
WOMERA	210/	2	2	2	2	9	24	20	12	1287	-29	-28	140	1420	1507	51	22
QUITOE	307/	3	2	1	0	9	24	21	25	605	21	22	-76	2791	4086	6	59
		10 KC															
BPOINT	018/	2	(0)	0	0	9	24	21	25	605	21	22	-76	2791	3566	176	48
		NO 100 KC															
ANTGUA	021/	2	2	2	2	9	24	21	32	759	22	28	-60	2291	2722	8	39
		WHISTLER ON TAPE															
WOMERA	211/	2	2	2	2	9	24	22	32	1013	-31	-33	139	2193	2226	143	11
NELCAL	024/	3	3	3	3	9	24	23	37	632	27	24	-105	2668	3243	126	42
BPOINT	019/	2	2	0	0	9	24	23	48	972	31	32	-76	1836	1993	170	26
WOMERA	212/	2	2	2	2	9	25	0	54	724	-20	-29	137	3014	3027	3	6
BPOINT	020/	2	2	2	2	9	25	2	8	1320	23	32	-73	1091	1411	155	43
		WHISTLER ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	213/	0	0	0	0	9	25	3	23	464	-9	-12	137	3713	4545	1	46
NELCAL	025/	2	2	2	2	9	25	4	17	1227	44	32	-110	1174	1360	91	33
ANTGUA	022/	2	0	0	0	9	25	4	31	1325	-52	12	-59	527	858	155	55
NELCAL	026/	2	2	1	1	9	25	6	36	1371	9	22	-110	666	1603	147	72
QUITOE	308/	3	1	1	1	9	25	6	46	1160	-48	1	-76	532	622	60	33
		WHISTLERS ON TAPE															
LIMAPU	040/	2	2	0	0	9	25	9	7	800	-30	-21	-74	985	1552	164	56
AGASTA	201/	2	2	2	2	9	25	9	9	742	-26	-24	-68	1119	1157	111	16
		PINCHED SIGNAL															
SNTAGO	024/	6	0	0	0	9	25	9	9	742	-26	-24	-68	1119	1562	17	49
AGASTA	202/	2	2	2	2	9	25	11	29	610	-23	-33	-68	1870	2223	169	38
SNTAGO	025/	3	2	2	2	9	25	11	29	610	-23	-33	-68	1870	1890	85	9
LIMAPU	041/	2	2	0	0	9	25	13	48	503	-19	-32	-75	2546	3712	174	58
SNTAGO	026/	3	3	0	0	9	25	13	50	466	-17	-31	-70	2687	2700	27	7
AGASTA	203/	2	2	0	0	9	25	13	50	466	-17	-31	-70	2687	2878	176	25
		NO CODED TIME															
LIMAPU	042/	2	6	0	0	9	25	16	13	352	-8	-22	-75	3405	3674	171	28
AGASTA	204/	3	2	0	0	9	25	16	16	330	-6	-19	-70	3519	3579	358	13
SNTAGO	027/	0	1	0	0	9	25	16	16	330	-6	-19	-70	3519	4032	1	37
QUITOE	309/	3	4	0	0	9	25	18	44	338	4	-1	-77	3718	3722	85	3
		WHISTLER ON TAPE															
LIMAPU	043/	2	2	1	1	9	25	18	47	353	7	3	-73	3670	4220	15	38
ANTGUA	023/	2	1	1	1	9	25	18	56	427	10	12	-60	3386	3454	162	14
WOMERA	214/	2	2	2	2	9	25	20	3	1336	-30	-29	140	1343	1413	54	20
BPOINT	021/	2	2	1	1	9	25	21	16	601	19	23	-76	2857	3540	175	45
		WHISTLERS ON TAPE															
ANTGUA	024/	2	2	2	2	9	25	21	23	744	20	29	-60	2368	2842	9	40
WOMERA	215/	2	1	1	1	9	25	22	23	1044	-33	-33	139	2114	2155	137	13
NELCAL	027/	4	4	0	0	9	25	23	22	502	18	19	-116	3108	3627	176	39
BPOINT	022/	2	2	2	2	9	25	23	40	975	28	33	-72	1838	2019	144	28
WOMERA	216/	2	2	2	2	9	26	0	45	734	-22	-28	138	2953	2979	15	9
NELCAL	028/	2	2	2	2	9	26	1	50	949	40	33	-105	1852	2221	84	39
		TM-TRANSMITTER DIFFICULTY. WHISTLER ON TAPE.															
ANTGUA	025/	2	2	0	0	9	26	2	3	1332	-4	27	-59	900	1538	13	60
WOMERA	217/	0	0	0	0	9	26	3	14	458	-10	-11	138	3697	4655	2	49
NELCAL	029/	2	2	2	2	9	26	4	8	1186	42	32	-111	1247	1407	94	30
		TM-INTERFERENCE BY FM STATION															
ANTGUA	026/	2	2	2	2	9	26	4	23	1264	-52	9	-57	527	1161	151	68
		WHISTLERS ON TAPE															
NELCAL	030/	1	0	0	0	9	26	6	26	1314	17	23	-114	756	1365	166	61
		TM-INTERFERENCE BY FM STATION															
QUITOE	310/	2	2	2	2	9	26	6	38	1113	-46	-2	-74	532	734	107	46
		WHISTLERS ON TAPE															
LIMAPU	044/	0	(0)	0	0	9	26	8	58	823	-30	-22	-75	922	1536	170	58
SNTAGO	028/	0	2	1	1	9	26	8	59	793	-29	-24	-72	985	1520	354	55
AGASTA	205/	3	2	2	2	9	26	9	0	764	-26	-25	-68	1050	1080	130	15
SNTAGO	029/	2	2	1	1	9	26	11	20	627	-23	-33	-68	1790	1814	90	11
AGASTA	206/	0	2	2	2	9	26	11	20	627	-23	-33	-68	1790	2168	168	40
SNTAGO	030/	3	5	1	1	9	26	13	37	558	-24	-33	-80	2323	2515	271	27
		3100 CPS NOTE DURING READOUT															
AGASTA	207/	2	5	3	3	9	26	13	41	473	-18	-31	-69	2616	2789	171	24

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	045/	0	1	1	1	9	26	13	43	439	-14	-30	-64	2753	3968	148	58
LIMAPU	046/	0	2	1	0	9	26	16	7	332	-5	-18	-70	3482	3705	130	25
		OTHER SIGNAL PINCHED.															
AGASTA	208/	3	2	2	2	9	26	16	7	332	-5	-18	-70	3482	3581	4	17
SNTAGO	031/	0	2	0	0	9	26	16	7	332	-5	-18	-70	3482	4092	3	40
QUITOE	311/	3	1	0	0	9	26	18	34	339	4	0	-78	3737	3738	22	2
LIMAPU	047/	0	(0)	0	0	9	26	18	35	343	5	1	-77	3729	4139	1	33
ANTGUA	027/	4	(1)	1	1	9	26	18	47	430	10	14	-60	3428	3468	150	11
WOMERA	218/	2	2	2	2	9	26	19	54	1386	-32	-29	140	1268	1322	57	18
BPOINT	023/	0	0	0	0	9	26	21	6	579	18	23	-77	2983	3637	180	43
		TM-EQUIPMENT FAILURE															
ANTGUA	028/	2	2	2	2	9	26	21	14	730	19	30	-59	2444	2960	10	41
WOMERA	219/	2	2	2	2	9	26	22	14	1076	-35	-33	140	2034	2083	132	14
NELCAL	031/	0	0	0	0	9	26	23	13	502	18	20	-115	3163	3598	173	35
		TM-EQUIPMENT FAILURE															
BPOINT	024/	2	2	2	2	9	26	23	30	920	28	33	-75	1997	2127	164	23
ANTGUA	029/	2	2	2	2	9	26	23	35	1043	18	33	-59	1601	2590	8	60
WOMERA	220/	2	2	2	2	9	27	0	36	744	-24	-27	138	2889	2937	21	13
		WHISTLER ON TAPE															
NELCAL	032/	2	2	2	2	9	27	1	38	819	34	32	-114	2168	2191	101	10
		TM-S/N POOR															
BPOINT	025/	X	2	2	2	9	27	1	50	1236	23	31	-74	1234	1549	162	41
		WHISTLER ON TAPE								TAPE							
ANTGUA	030/	2	2	2	2	9	27	1	54	1294	-2	27	-60	962	1528	10	56
		WHISTLER ON TAPE															
NELCAL	033/	2	2	1	1	9	27	3	58	1106	41	32	-115	1397	1420	95	12
		TM-S/N POOR															
ANTGUA	031/	2	2	2	2	9	27	4	13	1293	-41	11	-62	564	900	182	54
NELCAL	034/	1	1	1	1	9	27	6	18	1290	12	21	-112	757	1632	158	69
		WHISTLER ON TAPE															
QUITOE	312/	2	2	2	2	9	27	6	29	1112	-43	-2	-76	520	639	121	37
		WHISTLERS ON TAPE															
SNTAGO	032/	0	(0)	0	0	9	27	8	51	787	-27	-25	-69	985	1357	10	48
AGASTA	209/	2	2	1	1	9	27	8	52	760	-26	-27	-66	1050	1218	128	33
		WHISTLERS ON TAPE															
SNTAGO	033/	3	3	3	2	9	27	11	11	645	-25	-33	-68	1710	1738	94	12
		TM-ONE 40 SEC. READOUT. WHISTLER ON TAPE															
AGASTA	210/	2	7	7	7	9	27	11	11	645	-25	-33	-68	1710	2112	167	41
AGASTA	211/	0	3	0	0	9	27	13	32	480	-18	-30	-68	2544	2701	165	23
SNTAGO	034/	3	3	3	3	9	27	13	32	480	-18	-30	-68	2544	2587	37	12
		LAST SIGNAL DID NOT TURN OFF															
LIMAPU	048/	0	(2)	0	0	9	27	15	54	366	-9	-20	-76	3266	3466	172	24
AGASTA	212/	4	2	1	0	9	27	15	58	335	-5	-16	-69	3443	3594	8	21
		POOR SIGNALS. WHISTLER ON TAPE															
SNTAGO	035/	0	2	0	0	9	27	15	58	335	-5	-16	-69	3443	4161	5	44
QUITOE	313/	3	0	0	0	9	27	18	25	345	4	2	-78	3742	3757	18	6
LIMAPU	049/	0	0	0	0	9	27	18	26	349	5	3	-77	3737	4249	3	36
ANTGUA	032/	7	0	0	0	9	27	18	37	424	9	14	-61	3504	3529	162	9
WOMERA	221/	2	2	2	2	9	27	19	45	1435	-32	-30	139	1195	1234	59	16
BPOINT	026/	2	2	1	1	9	27	20	58	593	17	25	-74	2983	3507	170	39
		TM-2ND SIGNAL HAS 90 SEC READ OUT,ALSO VOICE MODULATION RECORDED															
ANTGUA	033/	2	2	0	0	9	27	21	4	698	18	30	-61	2589	3071	3	39
		BURPS DURING SIGNALS															
WOMERA	222/	2	2	2	2	9	27	22	5	1109	-38	-33	140	1955	2011	128	16
NELCAL	035/	5	1	0	0	9	27	23	4	503	17	21	-115	3216	3577	170	32
BPOINT	027/	3	2	0	0	9	27	23	21	896	25	33	-75	2076	2198	160	22
		SIGNAL BURPED															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	034/	2	4	0	0	9	27	23	26	1010	18	33	-59	1680	2638	9	59
WOMERA	223/	2	2	1	2	9	28	0	27	754	-26	-27	139	2824	2902	24	16
NELCAL	036/	2	2	2	2	9	28	1	29	802	32	32	-114	2246	2276	92	11
BPOINT	028/	2	2	0	0	9	28	1	41	1194	23	31	-75	1308	1629	164	41
		SIGNAL BURPED															
ANTGUA	035/	2	2	1	1	9	28	1	46	1255	-6	25	-57	962	1452	28	53
		TM-2ND SIG. 60 SEC. READOUT. WHISTLERS ON TAPE.															
NELCAL	037/	2	2	2	2	9	28	3	50	1108	38	32	-111	1397	1529	101	27
		TM-SIGS. LAST 4.5 SEC. EACH. WHISTLERS ON TAPE.															
NELCAL	038/	0	0	0	0	9	28	6	8	1229	19	22	-116	863	1492	177	60
		TM-HUMAN ERROR															
QUITOE	314/	2	2	0	0	9	28	6	20	1107	-39	-3	-77	514	586	146	30
		NO 100 KC. WHISTLERS ON TAPE															
SNTAGO	036/	0	2	2	2	9	28	8	43	782	-26	-27	-66	985	1291	33	44
AGASTA	213/	2	2	1	1	9	28	8	43	782	-26	-27	-66	985	1150	137	34
		BAD 100 KC ON ONE SIGNAL. WHISTLERS ON TAPE															
AGASTA	214/	2 (2)		0	0	9	28	10	58	790	-35	-32	-82	1322	2059	228	57
		NO CODED TIME															
SNTAGO	037/	5	2	2	2	9	28	11	2	664	-27	-33	-68	1630	1663	96	13
		FIRST SIGNAL PINCHED. WHISTLER ON TAPE.															
SNTAGO	038/	3	1	0	0	9	28	13	22	508	-20	-30	-70	2397	2426	9	10
AGASTA	215/	0	1	0	0	9	28	13	23	488	-19	-30	-68	2471	2612	159	22
SNTAGO	039/	0	0	0	0	9	28	15	45	369	-9	-19	-75	3216	3797	342	40
LIMAPU	050/	0	2	2	2	9	28	15	45	369	-9	-19	-75	3216	3368	167	21
AGASTA	216/	2	2	2	0	9	28	15	48	345	-6	-16	-70	3358	3524	360	22
QUITOE	315/	2	2	1	0	9	28	18	17	356	5	4	-76	3742	3822	27	15
ANTGUA	036/	2	2	2	2	9	28	18	28	428	9	16	-60	3538	3550	136	6
WOMERA	224/	4	2	2	2	9	28	19	37	1451	-36	-31	142	1195	1334	90	29
BPOINT	029/	2	2	1	1	9	28	20	48	573	16	25	-76	3100	3592	175	38
		TM-SIGNAL QUALITY POOR. WHISTLER ON TAPE.															
ANTGUA	037/	2	2	2	2	9	28	20	55	686	16	30	-60	2659	3183	6	41
		TM-SIGS. LAST 5 SEC. EACH															
WOMERA	225/	3	2	2	2	9	28	21	56	1142	-40	-33	141	1875	1939	123	17
NELCAL	039/	5	0	0	0	9	28	22	55	505	16	22	-114	3266	3564	166	29
		TM-DISTANT RANGE															
BPOINT	030/	2	2	2	2	9	28	23	12	872	24	33	-74	2155	2274	155	22
ANTGUA	038/	2	1	1	1	9	28	23	17	978	16	33	-59	1760	2686	10	58
WOMERA	226/	2	2	2	2	9	29	0	17	792	-28	-26	137	2690	2760	8	15
NELCAL	040/	3	2	2	2	9	29	1	19	756	30	32	-116	2397	2401	101	4
BPOINT	031/	2	2	2	2	9	29	1	32	1154	21	30	-75	1383	1716	166	41
		WHISTLERS ON TAPE,POOR 100 KC AND PINCHING															
ANTGUA	039/	2	2	2	2	9	29	1	37	1216	-4	25	-58	1026	1436	25	49
NELCAL	041/	3	2	2	2	9	29	3	41	1071	35	31	-111	1473	1600	105	26
QUITOE	316/	2	2	2	2	9	29	6	12	1065	-37	-5	-75	514	833	146	55
		WHISTLER ON TAPE															
AGASTA	217/	5	0	0	0	9	29	8	34	804	-27	-28	-67	924	1090	146	35
SNTAGO	040/	0	0	0	0	9	29	8	35	777	-24	-29	-64	986	1335	56	46
AGASTA	218/	0	2	2	2	9	29	10	53	682	-28	-33	-67	1552	1997	166	44
SNTAGO	041/	5	2	2	2	9	29	10	54	654	-26	-33	-64	1631	1774	95	26
AGASTA	219/	2	2	2	2	9	29	13	15	476	-18	-28	-65	2470	2629	133	24
		WHISTLER ON TAPE															
SNTAGO	042/	3	2	1	1	9	29	13	15	476	-18	-28	-65	2470	2646	48	25
LIMAPU	051/	2	2	1	1	9	29	15	36	374	-9	-18	-75	3163	3275	159	19
		OTHER SIGNAL PINCHED															
AGASTA	220/	0	1	1	1	9	29	15	37	365	-8	-17	-73	3215	3375	339	22

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
SNTAGO	043/	0	(2)	0	0	9	29	15	38	357	-7	-16	-71	3265	4054	357	46
		TM-SILENT PERIOD,NO 100 KC															
ANTGUA	040/	2	2	0	0	9	29	15	45	325	-2	-8	-61	3548	4960	177	58
QUITOE	317/	3	2	0	0	9	29	18	5	352	3	3	-80	3737	3770	343	9
		WHISTLER ON TAPE															
LIMAPU	052/	0	2	0	0	9	29	18	7	359	5	5	-77	3745	4406	1	41
		BAD 100 KC AND CODED TIME															
ANTGUA	041/	3	2	2	2	9	29	18	19	433	7	17	-60	3569	3580	92	6
		1ST SIG. HAS DROPOUTS															
WOMERA	227/	2	2	2	2	9	29	19	27	1534	-34	-30	138	1058	1072	66	10
BPOINT	032/	2	2	0	0	9	29	20	38	557	14	25	-77	3207	3673	179	36
ANTGUA	042/	3	2	2	2	9	29	20	46	674	15	31	-60	2727	3294	8	42
WOMERA	228/	3	2	2	2	9	29	21	47	1177	-43	-33	141	1796	1867	119	18
NELCAL	042/	0	0	0	0	9	29	22	45	492	15	23	-115	3359	3627	171	28
		SILENT PERIOD															
BPOINT	033/	0	0	0	0	9	29	23	2	827	23	33	-77	2308	2405	175	19
		SILENT PERIOD															
ANTGUA	043/	0	0	0	0	9	29	23	8	947	15	33	-58	1838	2732	11	56
		SILENT PERIOD															
WOMERA	229/	0	0	0	0	9	30	0	9	774	-29	-25	140	2689	2851	26	23
		SILENT PERIOD															
BPOINT	034/	0	0	0	0	9	30	1	23	1113	21	30	-75	1459	1809	168	41
		SILENT PERIOD															
ANTGUA	044/	0	0	0	0	9	30	1	28	1176	-1	24	-58	1092	1428	23	44
		SILENT PERIOD															
NELCAL	044/	0	0	0	0	9	30	3	31	1001	34	31	-115	1629	1654	118	11
		HUMAN ERROR															
NELCAL	043/	0	0	0	0	9	30	6	8	890	-30	-17	-60	575	7959	117	121
		SILENT PERIOD															
QUITOE	318/	0	0	0	0	9	30	6	3	1059	-33	-6	-77	514	809	160	53
		SILENT PERIOD															
LIMAPU	053/	0	0	0	0	9	30	6	4	1026	-34	-8	-73	515	797	44	52
		SILENT PERIOD															
AGASTA	221/	0	0	0	0	9	30	8	25	826	-27	-28	-68	866	1039	155	36
		SILENT PERIOD															
SNTAGO	044/	0	0	0	0	9	30	8	25	826	-27	-28	-68	866	1096	25	41
		TM-SILENT PERIOD															
AGASTA	222/	0	0	0	0	9	30	10	44	701	-30	-33	-67	1475	1937	166	46
		SILENT PERIOD															
SNTAGO	045/	0	0	0	0	9	30	10	45	671	-27	-33	-64	1553	1707	95	28
		TM-SILENT PERIOD															
AGASTA	223/	0	0	0	0	9	30	13	4	526	-22	-29	-69	2246	2357	170	21
		SILENT PERIOD															
SNTAGO	046/	0	0	0	0	9	30	13	5	504	-20	-28	-67	2322	2450	37	22
		TM-SILENT PERIOD															
QUITOE	319/	0	0	0	0	9	30	15	26	389	-10	-17	-76	3052	3811	172	46
		SILENT PERIOD															
LIMAPU	054/	0	0	0	0	9	30	15	26	389	-10	-17	-76	3052	3147	170	17
		SILENT PERIOD															
AGASTA	224/	0	0	0	0	9	30	15	30	356	-6	-13	-69	3265	3572	5	30
		SILENT PERIOD															
SNTAGO	047/	0	0	0	0	9	30	15	30	356	-6	-13	-69	3265	4263	4	51
		TM-SILENT PERIOD															
ANTGUA	045/	0	0	0	0	9	30	15	36	332	-2	-6	-60	3515	4790	176	56
		MONITOR ONLY															
QUITOE	320/	0	0	0	0	9	30	17	51	349	1	-1	-86	3651	3795	267	20
		MONITOR ONLY															
ANTGUA	046/			0	0	9	30	18	9	430	7	18	-61	3625	3629	73	3
		MONITOR ONLY															
WOMERA	230/	0	0	0	0	9	30	19	19	1548	-37	-32	142	1059	1172	98	28
		SILENT PERIOD															
BPOINT	035/	0	0	0	0	9	30	20	25	505	12	23	-83	3435	4106	201	42
		SILENT PERIOD															
ANTGUA	047/			0	0	9	30	20	36	649	14	31	-61	2859	3404	3	40
		MONITOR ONLY															
WOMERA	231/	0	0	0	0	9	30	21	38	1212	-45	-33	141	1718	1794	115	19
		SILENT PERIOD															
NELCAL	045/	0	0	0	0	9	30	22	35	481	14	23	-116	3443	3686	176	26
		SILENT PERIOD															
BPOINT	036/	0	0	0	0	9	30	22	53	807	20	33	-76	2383	2476	168	19
		SILENT PERIOD															
ANTGUA	048/	0	0	0	0	9	30	22	56	866	18	33	-67	2153	3057	345	54
		MONITOR ONLY															
WOMERA	232/	0	0	0	0	9	30	23	55	954	-36	-28	129	2253	2449	290	27
		SILENT PERIOD															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
NELCAL	046/	3	2	2	2	10	1	1	1	730	25	33	-114	2543	2562	79	8
BPOINT	037/	2	2	2	2	10	1	1	15	1094	16	28	-72	1457	1977	155	48
		TM-NOISE DUE TO STORM. WHISTLER ON TAPE.															
ANTGUA	049/	2	2	1	1	10	1	1	19	1137	-1	24	-59	1160	1430	21	39
NELCAL	047/	2	2	2	2	10	1	3	22	968	32	31	-114	1707	1738	125	12
QUITOE	321/	2	1	1	1	10	1	5	55	1022	-30	-8	-75	514	1119	154	67
LIMAPU	055/	0	1	1	1	10	1	5	55	1022	-30	-8	-75	514	701	34	45
AGASTA	225/	0	3	3	3	10	1	8	16	847	-27	-28	-69	812	998	164	38
		WHISTLER ON TAPE															
SNTAGO	048/	3	3	3	3	10	1	8	16	847	-27	-28	-69	812	1009	20	39
AGASTA	226/	0	3	0	0	10	1	10	35	720	-31	-33	-67	1399	1876	166	47
SNTAGO	049/	3	3	3	3	10	1	10	35	720	-31	-33	-67	1399	1441	98	15
SNTAGO	050/	3	2	2	2	10	1	12	55	536	-23	-28	-69	2169	2264	20	19
AGASTA	227/	0	2	1	1	10	1	12	56	513	-21	-28	-66	2246	2352	137	20
LIMAPU	056/	3	2	2	2	10	1	15	17	375	-10	-16	-76	2993	3055	162	14
AGASTA	228/	0	1	0	0	10	1	15	21	363	-6	-12	-69	3215	3611	6	34
QUITOE	322/	2	1	0	0	10	1	15	22	357	-5	-10	-67	3265	3845	132	40
SNTAGO	051/	0	1	0	0	10	1	15	23	352	-4	-9	-66	3313	4672	12	58
ANTGUA	050/	2	2	0	0	10	1	15	26	342	-2	-6	-61	3442	4682	179	56
QUITOE	323/	2	2	0	0	10	1	17	46	366	3	5	-80	3706	3792	345	15
		WHISTLER ON TAPE															
LIMAPU	057/	0	2	0	0	10	1	17	49	376	5	8	-76	3738	4652	4	48
ANTGUA	051/	2	2	1	1	10	1	18	0	435	6	19	-60	3648	3666	46	7
WOMERA	233/	2	2	2	2	10	1	19	10	1596	-38	-32	141	995	1094	103	27
		WHISTLERS ON TAPE															
BPOINT	038/	2	0	0	0	10	1	20	19	542	12	27	-77	3351	3726	180	32
ANTGUA	052/	2	2	2	2	10	1	20	27	639	12	32	-60	2921	3506	6	41
WOMERA	234/	4	2	2	2	10	1	21	29	1247	-47	-33	141	1640	1722	111	20
BPOINT	039/	3	2	0	0	10	1	22	44	787	19	33	-75	2456	2551	160	19
		NO CODED TIME															
ANTGUA	053/	2	2	2	2	10	1	22	50	887	13	32	-57	1995	2818	14	53
WOMERA	235/	2	2	2	2	10	1	23	50	828	-34	-24	139	2478	2674	15	26
		WHISTLER ON TAPE															
NELCAL	048/	4	3	3	3	10	2	0	51	694	23	33	-116	2682	2686	66	3
BPOINT	040/	2	2	2	2	10	2	1	5	1036	18	29	-75	1612	2010	170	42
ANTGUA	054/	2	2	2	2	10	2	1	10	1097	0	23	-60	1230	1440	19	35
NELCAL	049/	2	2	2	2	10	2	3	12	907	29	31	-117	1865	1872	194	6
LIMAPU	058/	2	2	2	2	10	2	5	47	988	-27	-11	-73	515	717	80	46
AGASTA	229/	0	0	0	0	10	2	8	7	868	-27	-29	-70	762	970	173	41
SNTAGO	052/	3	3	3	3	10	2	8	8	841	-27	-30	-66	813	1038	54	41
		WHISTLERS ON TAPE															
AGASTA	230/	3	3	2	2	10	2	10	26	739	-33	-33	-67	1326	1814	166	48
SNTAGO	053/	3	3	3	3	10	2	10	26	739	-33	-33	-67	1326	1368	97	16
		WHISTLERS ON TAPE															
AGASTA	231/	2	2	0	0	10	2	12	46	546	-24	-28	-68	2092	2167	158	17
SNTAGO	054/	0	2	1	0	10	2	12	46	546	-24	-28	-68	2092	2221	20	23
QUITOE	324/	0	2	0	0	10	2	15	7	413	-11	-16	-77	2871	3528	175	44
LIMAPU	059/	2	2	1	1	10	2	15	9	392	-8	-14	-74	2994	3041	118	12
		TOO MUCH NOISE AND WHISTLE TO COUNT OTHER SIGNAL. WHISTLERS ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	232/	0	(3)	0	0	10	2	15	12	371	-6	-10	-69	3163	3660	7	38
SNTAGO	055/	0	0	0	0	10	2	15	12	371	-6	-10	-69	3163	4441	5	57
ANTGUA	055/	3	2	0	0	10	2	15	17	351	-2	-4	-61	3401	4509	178	53
ANTGUA	056/	2	2	2	2	10	2	17	50	434	6	19	-61	3688	3704	26	7
WOMERA	236/	2	2	1	1	10	2	19	1	1643	-38	-32	141	934	1020	108	25
BPOINT	041/	2	2	1	1	10	2	20	10	541	11	28	-76	3393	3711	175	30
WOMERA	237/	3	2	2	2	10	2	21	20	1283	-49	-32	142	1563	1649	107	21
NELCAL	050/	3	2	0	0	10	2	22	16	477	11	25	-116	3549	3720	175	22
		TM-FAULTY EQUIPMENT															
BPOINT	042/	2	2	0	0	10	2	22	34	751	17	33	-77	2599	2680	177	17
ANTGUA	057/	2	2	2	2	10	2	22	40	846	12	32	-60	2150	2917	6	51
WOMERA	238/	2	2	2	2	10	2	23	41	841	-36	-23	139	2405	2660	15	30
		LOW POWER LINE FREQUENCY															
NELCAL	051/	6	2	2	2	10	3	0	43	704	22	33	-112	2681	2733	77	13
BPOINT	043/	2	2	2	2	10	3	0	56	999	17	28	-75	1689	2119	170	43
		CODED TIME POOR															
ANTGUA	058/	2	1	0	0	10	3	1	1	1057	1	22	-60	1302	1459	17	30
NELCAL	052/	2	2	2	2	10	3	3	4	906	26	30	-114	1862	1915	134	15
LIMAPU	061/	0	0	0	0	10	3	5	38	983	-24	-11	-74	520	626	83	35
AGASTA	233/	0	2	0	0	10	3	7	59	861	-27	-30	-66	763	1154	153	52
		WHISTLER ON TAPE															
SNTAGO	056/	2	2	2	2	10	3	7	59	861	-27	-30	-66	763	947	51	39
		WHISTLER ON TAPE															
SNTAGO	057/	3	2	2	2	10	3	10	17	758	-34	-33	-68	1254	1295	96	16
		WHISTLERS ON TAPE															
AGASTA	234/	0	2	1	1	10	3	10	17	758	-34	-33	-68	1254	1752	167	50
AGASTA	235/	2	2	2	1	10	3	12	37	556	-24	-27	-68	2015	2075	150	16
		PINCHED SIGNAL, DOUBLE FREQ.															
SNTAGO	058/	0	2	2	1	10	3	12	37	556	-24	-27	-68	2015	2184	20	26
		SIGNAL SHORT AND BROKEN															
QUITOE	325/	1	1	0	0	10	3	14	55	463	-16	-18	-82	2603	3513	192	52
LIMAPU	062/	2	2	2	2	10	3	14	58	421	-11	-15	-77	2807	2833	172	9
QUITOE	326/	0	2	1	1	10	3	14	59	410	-9	-13	-75	2872	3377	165	39
SNTAGO	059/	0	0	0	0	10	3	15	0	401	-8	-12	-73	2934	4063	353	55
AGASTA	236/	0	0	0	0	10	3	15	2	386	-6	-10	-70	3053	3572	2	39
ANTGUA	059/	2	2	0	0	10	3	15	8	361	-2	-3	-60	3359	4339	176	50
QUITOE	327/	3	2	0	0	10	3	17	26	382	2	6	-82	3629	3771	334	20
LIMAPU	063/	0	0	0	0	10	3	17	30	393	3	10	-76	3707	4805	3	52
ANTGUA	060/	3	1	1	1	10	3	17	41	440	5	21	-60	3704	3746	27	11
WOMERA	239/	2	2	2	2	10	3	18	52	1687	-37	-32	140	876	949	114	24
		WHISTLER ON TAPE															
BPOINT	044/	2	2	0	0	10	3	20	0	531	10	28	-77	3472	3769	179	29
ANTGUA	061/	2	2	2	2	10	3	20	8	609	10	32	-60	3096	3704	5	42
WOMERA	240/	2	2	2	2	10	3	21	10	1372	-52	-32	138	1410	1428	140	10
NELCAL	053/	3	2	1	0	10	3	22	4	451	10	23	-121	3656	3900	200	26
BPOINT	045/	2	2	1	1	10	3	22	26	749	16	33	-73	2597	2713	146	20
ANTGUA	062/	2	2	2	2	10	3	22	31	819	11	32	-59	2225	2954	8	49
WOMERA	241/	2	2	2	2	10	3	23	32	853	-37	-22	140	2332	2655	15	34
NELCAL	054/	3	2	2	2	10	4	0	34	692	20	33	-111	2747	2823	78	16

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	046/	2	2	2	2	10	4	0	47	963	15	28	-75	1766	2232	170	43
		BAD 100 K C															
ANTGUA	063/	2	2	2	2	10	4	0	53	1019	-2	20	-58	1300	1434	53	28
		WHISTLER ON TAPE															
NELCAL	055/	2	2	2	2	10	4	2	55	876	24	30	-114	1939	2009	137	17
		BAD CODED TIME. WHISTLER ON TAPE.															
LIMAPU	064/	3	1	1	1	10	4	5	30	956	-22	-14	-72	521	822	114	54
AGASTA	237/	0	2	2	2	10	4	7	50	880	-27	-30	-67	718	1118	158	54
SNTAGO	060/	2	2	2	2	10	4	7	50	880	-27	-30	-67	718	862	48	36
		WHISTLERS ON TAPE															
AGASTA	238/	0	2	2	1	10	4	10	8	777	-35	-33	-68	1184	1689	167	51
		BAD 100 K C. WEAK SIGNAL															
SNTAGO	061/	3	2	2	2	10	4	10	8	777	-35	-33	-68	1184	1223	94	16
		WHISTLER ON TAPE															
AGASTA	239/	2	2	2	2	10	4	12	28	568	-25	-26	-68	1938	1985	140	14
SNTAGO	062/	0	2	2	2	10	4	12	28	568	-25	-26	-68	1938	2152	20	30
		WHISTLERS ON TAPE															
AGASTA	240/	0	(1)	0	0	10	4	14	48	442	-12	-15	-78	2674	3100	319	37
LIMAPU	065/	2	2	2	2	10	4	14	49	430	-10	-13	-76	2742	2751	157	6
QUITOE	328/	0	2	2	2	10	4	14	50	420	-9	-12	-75	2808	3238	161	36
ANTGUA	064/	2	2	0	0	10	4	14	58	374	-2	-3	-62	3267	4223	179	50
QUITOE	329/	2	2	0	0	10	4	17	18	396	2	9	-80	3630	3857	352	25
LIMAPU	066/	0	2	0	0	10	4	17	21	404	3	12	-76	3692	4934	4	55
ANTGUA	065/	3	2	0	0	10	4	17	31	441	4	21	-61	3728	3774	16	11
WOMERA	242/	2	2	1	1	10	4	18	43	1731	-37	-32	139	823	882	122	23
BPOINT	047/	2	2	2	2	10	4	19	50	523	8	28	-78	3541	3821	183	28
		DATA APPEARS RELIABLE THOUGH ANOMOLOUS															
ANTGUA	066/	3	2	2	2	10	4	19	59	601	8	33	-59	3150	3795	9	42
BPOINT	048/	X	2	0	0	10	4	20	0	609	9	33	-57	3095	3892	102	47
		SIGNALS PINCHED. POOR 100 KC.															
WOMERA	243/	3	1	1	1	10	4	21	2	1357	-54	-32	142	1412	1504	98	22
NELCAL	056/	7	5	2	2	10	4	21	57	476	9	26	-116	3632	3746	173	18
		WHISTLER ON TAPE,POOR 100 KC AND PINCHED SIGNALS															
ANTGUA	067/	2	3	1	1	10	4	22	22	793	10	32	-59	2299	2988	11	48
WOMERA	244/	2	0	0	0	10	4	23	22	908	-42	-22	137	2181	2489	4	34
		NO 100 KC															
NELCAL	057/	2	2	2	2	10	5	0	23	644	18	33	-115	2939	2948	62	6
BPOINT	049/	2	2	2	2	10	5	0	38	927	15	27	-75	1843	2351	170	45
ANTGUA	068/	2	0	0	0	10	5	0	43	978	2	21	-61	1449	1522	14	20
NELCAL	058/	2	2	2	2	10	5	2	46	847	22	29	-113	2016	2106	139	19
LIMAPU	067/	2	2	1	1	10	5	5	20	967	-17	-12	-77	546	554	133	10
AGASTA	241/	0	(2)	0	0	10	5	7	41	899	-28	-31	-68	677	1091	164	55
SNTAGO	063/	4	2	2	2	10	5	7	41	899	-28	-31	-68	677	785	43	32
		WHISTLERS ON TAPE															
AGASTA	242/	0	2	1	1	10	5	9	59	797	-37	-33	-68	1116	1625	168	52
SNTAGO	064/	2	2	2	2	10	5	9	59	797	-37	-33	-68	1116	1151	92	15
AGASTA	243/	2	2	2	2	10	5	12	19	580	-26	-25	-68	1861	1898	128	13
SNTAGO	065/	0	2	1	1	10	5	12	19	580	-26	-25	-68	1861	2127	19	33
QUITOE	330/	0	2	0	0	10	5	14	39	453	-12	-13	-78	2606	3092	178	39
		POOR 100 KC, NO CODED TIME															
LIMAPU	068/	2	2	1	1	10	5	14	40	441	-10	-12	-76	2676	2679	103	3
AGASTA	244/	0	(2)	0	0	10	5	14	44	408	-6	-7	-69	2937	3687	4	46
ANTGUA	069/	2	2	1	1	10	5	14	50	384	-2	0	-60	3269	4011	173	45
		WEAK SIGNALS															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	069/	0	0	0	0	10	5	17	11	413	2	12	-76	3654	4947	2	56
BPOINT	050/	2	2	0	0	10	5	17	11	413	2	12	-76	3654	5140	179	59
QUITOE	331/	4	4	3	2	10	5	17	12	415	3	13	-75	3674	4185	14	37
		WHISTLERS ON TAPE															
ANTGUA	070/	2	2	2	2	10	5	17	22	447	4	22	-60	3736	3821	20	15
WOMERA	245/	2	2	2	2	10	5	18	34	1771	-35	-33	139	773	821	132	21
NELCAL	059/	3	0	0	0	10	5	19	17	396	1	8	-115	3539	4888	175	57
BPOINT	051/	2	2	2	2	10	5	19	42	531	8	30	-75	3541	3757	166	25
ANTGUA	071/	2	2	2	2	10	5	19	49	585	7	33	-60	3252	3883	6	42
WOMERA	246/	2	2	2	2	10	5	20	53	1394	-57	-31	142	1339	1432	93	23
NELCAL	060/	3	1	0	0	10	5	21	47	472	9	26	-117	3675	3774	178	17
BPOINT	052/	2	2	2	2	10	5	22	7	701	12	33	-74	2797	2905	150	19
ANTGUA	072/	2	2	2	2	10	5	22	13	768	9	31	-58	2372	3022	13	46
WOMERA	247/	2	2	2	2	10	5	23	13	923	-43	-21	138	2105	2486	5	38
NELCAL	061/	3	3	3	3	10	6	0	13	620	16	33	-116	3056	3059	34	3
BPOINT	053/	2	2	1	1	10	6	0	29	893	13	26	-75	1919	2475	170	46
ANTGUA	073/	2	2	1	1	10	6	0	35	942	-1	19	-58	1446	1510	67	19
NELCAL	062/	2	2	2	2	10	6	2	36	798	21	29	-116	2170	2221	163	14
QUITOE	332/	2	2	0	0	10	6	2	49	1005	3	12	-80	1162	1917	352	59
		WHISTLERS ON TAPE															
AGASTA	245/	0	0	0	0	10	6	5	10	966	-10	-11	-81	594	2008	320	81
LIMAPU	070/	3	2	2	2	10	6	5	11	956	-13	-13	-78	567	583	211	14
AGASTA	246/	0	2	2	2	10	6	7	32	917	-28	-31	-69	640	1073	170	57
SNTAGO	066/	2	2	2	2	10	6	7	33	889	-26	-32	-65	679	925	77	46
		WHISTLERS ON TAPE															
AGASTA	247/	0	(3)	1	1	10	6	9	50	816	-39	-33	-68	1051	1562	169	53
SNTAGO	067/	2	2	2	2	10	6	9	50	816	-39	-33	-68	1051	1081	89	15
AGASTA	248/	3	0	0	0	10	6	10	0	545	-16	-25	-35	1799	4410	99	83
		XMTR HALF-FUNCTIONED															
SNTAGO	068/	0	0	0	0	10	6	12	10	592	-26	-25	-68	1785	2108	18	37
QUITOE	333/	0	2	0	0	10	6	14	31	453	-10	-11	-76	2608	2944	166	33
		NO CODED TIME, POOR 100 KC															
LIMAPU	071/	2	2	2	2	10	6	14	32	443	-9	-9	-74	2678	2724	51	13
AGASTA	249/	0	1	0	0	10	6	14	35	421	-6	-6	-69	2876	3756	4	50
ANTGUA	074/	2	2	0	0	10	6	14	45	390	-1	6	-53	3405	3884	142	36
QUITOE	334/	3	4	2	2	10	6	17	0	421	2	12	-79	3577	3970	359	33
		WHISTLERS ON TAPE															
LIMAPU	072/	0	0	0	0	10	6	17	2	425	2	14	-76	3631	5074	3	59
BPOINT	054/	2	2	0	0	10	6	17	2	425	2	14	-76	3631	4978	177	57
ANTGUA	075/	2	2	2	1	10	6	17	12	450	3	23	-60	3745	3838	13	16
WOMERA	248/1	2	2	2	2	10	6	18	26	1776	-40	-33	143	775	995	115	42
NELCAL	063/	2	2	0	0	10	6	19	12	416	3	14	-109	3627	4582	156	49
BPOINT	055/	2	2	2	2	10	6	19	32	524	7	30	-75	3600	3797	170	23
ANTGUA	076/	2	2	2	1	10	6	19	40	577	6	33	-59	3298	3963	10	43
		POOR QUALITY SIGNALS. BAD 100 K C. RISING WHISTLERS															
WOMERA	248/2	3	1	1	1	10	6	20	44	1431	-58	-31	142	1268	1361	88	23
		WHISTLERS ON TAPE															
NELCAL	064/	6	2	2	2	10	6	21	40	494	9	29	-112	3654	3743	130	16

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	056/	2	2	2	2	10	6	21	57	674	11	33	-75	2923	3013	161	17
ANTGUA	077/	2	1	1	1	10	6	22	3	735	8	31	-60	2517	3123	7	44
WOMERA	249/	2	2	2	2	10	6	23	4	939	-46	-20	138	2030	2491	5	41
NELCAL	065/	X	3	3	3	10	7	0	5	627	14	33	-113	3054	3095	75	11
		WHISTLER ON TAPE															
BPOINT	057/	2	2	2	2	10	7	0	20	860	12	25	-74	1995	2604	170	47
		WHISTLER ON TAPE.															
ANTGUA	078/	2	2	2	2	10	7	0	26	904	0	18	-59	1519	1564	80	15
		WHISTLER ON TAPE. PINCHED SIG.															
NELCAL	066/	3	2	2	2	10	7	2	28	791	19	27	-113	2166	2315	142	24
QUITOE	335/	2	2	2	2	10	7	2	42	968	-3	7	-76	1090	1495	20	48
LIMAPU	073/	2	2	2	2	10	7	5	3	934	-12	-15	-76	567	725	156	41
AGASTA	250/	0	0	0	0	10	7	5	5	909	-13	-19	-69	531	750	21	47
AGASTA	251/	0	2	2	0	10	7	7	24	906	-27	-32	-65	642	1272	153	65
		SIGNALS PINCHED															
SNTAGO	069/	2	2	2	2	10	7	7	24	906	-27	-32	-65	642	843	77	43
		WHISTLERS ON TAPE															
AGASTA	252/	0	2	2	2	10	7	9	41	834	-39	-33	-68	989	1500	171	54
		WHISTLER ON TAPE.															
SNTAGO	070/	2	2	2	2	10	7	9	41	834	-39	-33	-68	989	1014	84	14
		PINCHED SIGNAL. WHISTLER ON TAPE.															
AGASTA	253/	2	2	2	2	10	7	12	1	605	-26	-24	-68	1709	1735	95	11
SNTAGO	071/	0	2	2	2	10	7	12	1	605	-26	-24	-68	1709	2097	17	41
LIMAPU	074/	2	2	2	2	10	7	14	21	477	-11	-11	-78	2468	2473	333	5
QUITOE	336/	0	2	2	2	10	7	14	23	457	-9	-8	-74	2611	2851	148	28
AGASTA	254/	0	2	1	1	10	7	14	23	457	-9	-8	-74	2611	3356	347	48
ANTGUA	079/	2	2	0	0	10	7	14	31	414	-2	2	-61	3117	3726	175	42
LIMAPU	075/	0	(3)	0	0	10	7	16	52	436	2	14	-77	3579	5075	1	60
BPOINT	058/	2	2	0	0	10	7	16	52	436	2	14	-77	3579	4884	179	56
QUITOE	337/	3	4	1	1	10	7	16	53	438	1	15	-75	3607	4259	12	41
ANTGUA	080/	2	2	2	1	10	7	17	3	457	2	24	-59	3746	3889	18	20
NELCAL	067/	5	1	0	0	10	7	18	58	419	1	10	-115	3434	4609	176	54
BPOINT	059/	2	2	2	2	10	7	19	22	519	6	30	-76	3649	3831	173	22
ANTGUA	081/	X	2	2	2	10	7	19	30	564	5	33	-59	3387	4040	7	42
WOMERA	250/	2	2	2	2	10	7	20	34	1527	-59	-31	138	1129	1133	105	5
NELCAL	068/	2	2	0	0	10	7	21	27	469	7	27	-118	3731	3809	189	15
BPOINT	060/	2	2	2	2	10	7	21	48	659	10	33	-74	2981	3091	152	19
ANTGUA	082/	2	2	2	2	10	7	21	53	704	8	31	-61	2655	3234	1	42
WOMERA	251/	2	2	1	1	10	7	22	55	955	-48	-19	138	1954	2504	5	45
NELCAL	069/	2	2	2	2	10	7	23	55	605	13	33	-114	3163	3187	72	9
BPOINT	061/	2	2	2	2	10	8	0	11	828	10	25	-74	2070	2739	169	48
		TM-AIRPLANE INTERFERENCE															
ANTGUA	083/	2	2	2	2	10	8	0	17	868	0	17	-59	1594	1630	98	14
		POOR 100 KC. WHISTLER ON TAPE															
NELCAL	070/	2	2	2	2	10	8	2	18	748	17	28	-115	2316	2419	158	20
QUITOE	338/	2	2	2	2	10	8	2	33	928	-1	7	-76	1156	1469	18	42
		WHISTLER ON TAPE															
LIMAPU	076/	3	3	1	1	10	8	4	55	915	-10	-18	-73	567	1004	148	59
		WHISTLER ON TAPE															
AGASTA	255/	0	3	0	0	10	8	4	56	905	-11	-20	-70	546	709	9	42
SNTAGO	072/	0	0	0	0	10	8	7	15	921	-27	-32	-66	611	766	76	39

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	256/	0	2	2	2	10	8	9	32	853	-41	-33	-69	930	1439	173	54
SNTAGO	073/	2	2	2	2	10	8	9	32	853	-41	-33	-69	930	949	76	12
		WHISTLER ON TAPE															
AGASTA	257/	2	2	2	2	10	8	11	52	619	-26	-23	-68	1633	1661	76	12
		WHISTLER ON TAPE															
SNTAGO	074/	0	2	2	2	10	8	11	52	619	-26	-23	-68	1633	2090	15	44
QUITOE	339/	0	(2)	1	1	10	8	14	12	492	-11	-9	-78	2397	2656	174	30
LIMAPU	077/	2	2	2	2	10	8	14	12	492	-11	-9	-78	2397	2418	349	9
AGASTA	258/	0	2	1	1	10	8	14	12	492	-11	-9	-78	2397	3165	333	49
ANTGUA	084/	2	2	1	1	10	8	14	22	430	-3	4	-60	3062	3571	173	38
		OTHER SIGNAL TOO PINCHED TO COUNT.															
WOMERA	252/1	2	2	2	2	10	8	15	50	1787	28	-26	140	519	834	28	54
QUITOE	340/	2	2	0	0	10	8	16	39	446	1	12	-82	3402	3830	344	34
BPOINT	062/	2	2	0	0	10	8	16	42	449	1	15	-78	3516	4787	181	56
		SIGNALS COVERED BY AIRPLANE NOISE.															
ANTGUA	085/	3	1	0	0	10	8	16	52	461	1	24	-62	3733	3850	1	18
WOMERA	252/2	2	1	1	1	10	8	18	8	1848	-36	-33	141	688	860	122	39
NELCAL	071/	2	2	0	0	10	8	18	50	433	2	13	-113	3435	4402	170	50
BPOINT	063/	0	0	0	0	10	8	19	12	516	5	30	-76	3688	3856	176	21
ANTGUA	086/	2	0	0	0	10	8	19	27	581	4	33	-44	3140	4362	41	56
WOMERA	253/	2	2	2	2	10	8	20	26	1505	-63	-30	141	1132	1222	76	24
NELCAL	072/	2	2	1	1	10	8	21	18	476	6	28	-117	3738	3789	177	12
		PINCHED SIGNAL															
BPOINT	064/	0	0	0	0	10	8	21	38	636	9	33	-75	3095	3192	161	17
ANTGUA	087/	2	2	2	2	10	8	21	45	690	6	30	-58	2652	3172	14	40
WOMERA	254/	2	2	2	1	10	8	22	46	971	-50	-18	138	1878	2524	4	49
NELCAL	073/	2	2	2	2	10	8	23	45	585	12	33	-115	3263	3276	67	6
BPOINT	065/	0	0	0	0	10	9	0	1	786	10	25	-76	2222	2835	177	46
ANTGUA	088/	2	2	2	2	10	9	0	8	832	0	16	-59	1669	1706	118	14
NELCAL	074/	2	2	2	2	10	9	2	8	708	15	28	-117	2462	2546	176	17
QUITOE	341/	2	2	1	1	10	9	2	25	890	-2	4	-74	1152	1371	44	36
		WHISTLERS ON TAPE															
LIMAPU	078/	0	(0)	0	0	10	9	4	46	907	-8	-18	-74	591	1014	157	58
AGASTA	259/	3	3	1	1	10	9	4	48	891	-9	-22	-67	545	671	63	37
SNTAGO	075/	2	2	2	2	10	9	7	6	935	-26	-32	-67	583	696	76	35
		WHISTLER ON TAPE															
AGASTA	260/	0	2	2	2	10	9	9	23	871	-41	-33	-69	874	1379	175	55
SNTAGO	076/	2	2	2	2	10	9	9	23	871	-41	-33	-69	874	888	65	11
AGASTA	261/	3	2	2	2	10	9	11	43	634	-27	-22	-68	1558	1594	58	14
SNTAGO	077/	0	2	1	1	10	9	11	43	634	-27	-22	-68	1558	2091	14	48
QUITOE	342/	0	0	0	0	10	9	14	3	508	-11	-8	-78	2326	2522	172	27
		SILENT PERIOD.															
LIMAPU	079/	0	0	0	0	10	9	14	4	437	-8	-7	-76	2400	2499	17	19
		SILENT PERIOD.															
AGASTA	262/	0	0	0	0	10	9	14	8	468	-5	-1	-68	2687	3997	5	60
		SILENT PERIOD.															
ANTGUA	089/	0	0	0	0	10	9	14	13	447	-3	5	-60	3007	3424	171	35
		SILENT PERIOD															
ANTGUA	090/	0	0	0	0	10	9	15	0	517	9	32	27	3062	10439	63	116
		SILENT PERIOD															
QUITOE	343/	0	0	0	0	10	9	16	33	463	1	16	-77	3483	4198	6	43
		SILENT PERIOD.															
BPOINT	066/	0	0	0	0	10	9	16	33	463	1	16	-77	3483	4625	179	53
		SILENT PERIOD															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	255/	0	0	0	0	10	9	17	59	1879	-34	-33	141	650	798	127	37
		TM-SILENT PERIOD															
BPOINT	067/	0	0	0	0	10	9	19	3	518	3	31	-75	3705	3850	167	20
		SILENT PERIOD															
ANTGUA	091/	0	0	0	0	10	9	19	10	543	3	33	-61	3535	4177	3	41
		SILENT PERIOD															
WOMERA	256/	0	0	0	0	10	9	20	17	1541	-64	-30	141	1067	1157	69	25
		TM-SILENT PERIOD															
NELCAL	075/	0	0	0	0	10	9	21	9	482	6	29	-115	3744	3780	159	10
		SILENT PERIOD															
BPOINT	068/	0	0	0	0	10	9	21	28	616	7	33	-76	3201	3291	169	17
		SILENT PERIOD															
ANTGUA	092/	0	0	0	0	10	9	21	35	663	5	30	-60	2784	3266	9	39
		SILENT PERIOD															
WOMERA	257/	0	0	0	0	10	9	22	38	936	-50	-15	140	1882	2767	12	56
		TM-SILENT PERIOD															
NELCAL	076/	0	0	0	0	10	9	23	35	569	10	33	-115	3354	3361	58	4
		SILENT PERIOD															
BPOINT	069/	0	0	0	0	10	9	23	52	757	9	24	-76	2294	2974	176	47
		SILENT PERIOD															
ANTGUA	093/	0	0	0	0	10	9	23	59	737	0	15	-59	1744	1793	135	15
		SILENT PERIOD															
NELCAL	077/	0	0	0	0	10	10	1	59	686	14	27	-116	2531	2646	171	20
		SILENT PERIOD															
AGASTA	263/	0	0	0	0	10	10	4	39	886	-6	-22	-68	565	626	60	27
		SILENT PERIOD.															
SNTAGO	078/	0	0	0	0	10	10	6	57	948	-27	-32	-68	560	634	75	29
		SILENT PERIOD															
AGASTA	264/	0	0	0	0	10	10	9	14	889	-42	-32	-70	821	1323	177	56
		SILENT PERIOD.															
SNTAGO	079/	0	0	0	0	10	10	9	15	847	-40	-32	-66	877	1024	73	33
		SILENT PERIOD															
LIMAPU	080/	0	0	0	0	10	10	11	32	715	-35	-24	-74	1333	2048	166	56
		SILENT PERIOD.															
AGASTA	265/	0	0	0	0	10	10	11	34	650	-27	-21	-68	1484	1533	44	16
		SILENT PERIOD															
SNTAGO	080/	0	0	0	0	10	10	11	35	623	-24	-20	-65	1562	2340	21	56
		SILENT PERIOD															
QUITOE	344/	0	0	0	0	10	10	13	55	515	-8	-5	-76	2327	2441	147	23
		SILENT PERIOD.															
LIMAPU	081/	0	0	0	0	10	10	13	55	515	-8	-5	-76	2327	2483	14	24
		SILENT PERIOD.															
ANTGUA	094/	0	0	0	0	10	10	14	3	469	-4	5	-61	2688	3291	177	35
		SILENT PERIOD															
WOMERA	258/1	0	0	0	0	10	10	15	33	1825	26	-28	142	522	804	58	52
		TM-SILENT PERIOD															
QUITOE	345/	0	0	0	0	10	10	16	23	478	0	17	-78	3407	4158	3	45
		SILENT PERIOD.															
ANTGUA	095/	0	0	0	0	10	10	16	33	476	0	26	-61	3698	3879	4	22
		SILENT PERIOD															
WOMERA	258/2	0	0	0	0	10	10	17	50	1907	-31	-33	140	617	740	133	35
		TM-SILENT PERIOD															
NELCAL	078/	0	0	0	0	10	10	18	30	462	0	14	-115	3263	4164	175	49
		SILENT PERIOD															
ANTGUA	096/	0	0	0	0	10	10	19	0	535	2	33	-61	3595	4234	1	41
		SILENT PERIOD															
WOMERA	259/	0	0	0	0	10	10	20	8	1576	-65	-29	140	1005	1094	60	25
		TM-SILENT PERIOD															
NELCAL	079/	0	0	0	0	10	10	20	59	484	5	29	-116	3747	3775	164	9
		SILENT PERIOD															
BPOINT	070/	0	0	0	0	10	10	21	18	598	6	33	-77	3297	3386	177	16
		SILENT PERIOD															
ANTGUA	097/	0	0	0	0	10	10	21	25	638	4	30	-61	2910	3364	3	37
		SILENT PERIOD															
WOMERA	260/	0	0	0	0	10	10	22	28	1004	-53	-16	138	1727	2583	3	56
		TM-SILENT PERIOD															
NELCAL	080/	0	0	0	0	10	10	23	25	554	9	33	-116	3437	3440	42	3
		SILENT PERIOD															
BPOINT	071/	0	0	0	0	10	10	23	43	729	8	23	-76	2366	3119	175	49
ANTGUA	098/	0	0	0	0	10	10	23	50	763	0	14	-60	1819	1889	147	18
		SILENT PERIOD															
NELCAL	081/	2	2	2	2	10	11	1	50	665	12	26	-115	2598	2753	167	23
QUITOE	346/	2	2	2	2	10	11	2	7	819	0	2	-76	1289	1379	49	23
		WHISTLERS ON TAPE															
AGASTA	266/	2	2	1	1	10	11	4	31	876	-5	-25	-65	564	780	103	46
		WHISTLER ON TAPE															
SNTAGO	081/	2	2	2	2	10	11	6	48	959	-26	-33	-69	543	582	73	22
		WHISTLER ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	267/	0	2	2	2	10	11	9	6	863	-40	-31	-66	824	1312	156	56
SNTAGO	082/	2	2	1	1	10	11	9	6	863	-40	-31	-66	824	960	67	33
AGASTA	268/	2	2	2	2	10	11	11	25	666	-27	-21	-68	1412	1480	32	19
		PINCHED SIGNAL. DOUBLE FREQ. WHISTLER ON TAPE.															
SNTAGO	083/	0	(2)	1	1	10	11	11	25	666	-27	-21	-68	1412	2110	10	55
QUITOE	347/	2	2	2	2	10	11	13	45	545	-10	-6	-78	2180	2273	168	19
LIMAPU	083/	0	(2)	0	0	10	11	13	46	535	-8	-4	-76	2257	2477	12	29
		NO CODED TIME															
ANTGUA	099/	2	2	1	1	10	11	13	55	484	-4	8	-59	2892	3154	165	29
		SIG. 2 105 CYCLES ABOVE SIGNAL 1.															
WOMERA	261/1	2	2	2	2	10	11	15	24	1823	39	-28	141	530	737	55	46
		WHISTLERS ON TAPE															
QUITOE	348/	2	2	0	0	10	11	16	14	494	0	18	-77	3367	4239	4	48
BPOINT	072/	0	0	0	0	10	11	16	15	494	-1	19	-75	3410	4322	175	49
ANTGUA	100/	2	2	2	1	10	11	16	24	484	-1	27	-60	3682	3919	10	25
		NOISY TAPE. SIGNAL PINCHED															
WOMERA	261/2	2	2	2	2	10	11	17	41	1930	-28	-33	139	589	690	141	33
		WHISTLERS ON TAPE															
NELCAL	082/	2	2	1	1	10	11	18	23	479	2	17	-112	3314	3983	161	43
		TM-FIRST PART OF PASS MISSED, EQUIPMENT FAILURE															
BPOINT	073/	0	0	0	0	10	11	18	44	518	2	32	-74	3738	3862	158	18
ANTGUA	101/	2	2	0	0	10	11	18	51	530	2	33	-60	3621	4275	6	41
WOMERA	262/	2	2	2	2	10	11	19	59	1611	-67	-29	140	945	1036	51	26
NELCAL	083/	2	2	2	2	10	11	20	49	487	4	30	-116	3740	3762	171	8
		POOR 100 KC															
BPOINT	074/	0	0	0	0	10	11	21	9	587	5	32	-75	3341	3447	166	18
ANTGUA	102/	3	2	2	2	10	11	21	17	623	3	28	-58	2906	3302	18	35
NELCAL	084/	2	2	1	1	10	11	23	16	549	8	33	-115	3473	3485	73	6
BPOINT	075/	0	0	0	0	10	11	23	34	702	6	22	-75	2436	3269	174	51
ANTGUA	103/	2	2	2	2	10	11	23	41	730	0	13	-60	1894	1995	155	21
NELCAL	085/	2	2	2	2	10	12	1	40	633	11	26	-117	2733	2878	179	22
QUITOE	349/	4	2	1	1	10	12	1	59	786	0	-1	-74	1285	1423	92	28
		WHISTLERS ON TAPE															
LIMAPU	085/	0	0	0	0	10	12	4	20	875	-2	-22	-74	653	1373	162	67
AGASTA	269/	3	0	0	0	10	12	4	22	871	-3	-25	-66	588	742	111	40
SNTAGO	084/	4	2	2	2	10	12	6	39	969	-26	-33	-69	531	546	68	14
		WHISTLER ON TAPE.															
AGASTA	270/	0	2	2	2	10	12	8	57	879	-40	-31	-67	775	1238	158	55
SNTAGO	085/	2	2	2	2	10	12	8	57	879	-40	-31	-67	775	899	61	32
		WHISTLER ON TAPE															
AGASTA	271/	2	2	1	1	10	12	11	16	683	-27	-20	-69	1340	1435	23	23
SNTAGO	086/	0	2	2	2	10	12	11	16	683	-27	-20	-69	1340	2128	9	58
		BAD 100 KC															
QUITOE	350/	3	2	2	2	10	12	13	36	566	-10	-4	-78	2107	2161	165	15
		WHISTLER ON TAPE															
LIMAPU	086/	0	2	2	2	10	12	13	37	556	-8	-3	-76	2184	2482	10	33
ANTGUA	104/	2	2	2	2	10	12	13	46	504	-5	10	-59	2831	3031	160	25
WOMERA	263/1	2	2	2	2	10	12	15	15	1817	33	-29	140	543	684	51	39
QUITOE	351/	3	2	0	0	10	12	16	4	513	-2	19	-78	3278	4188	1	49
BPOINT	076/	0	1	1	0	10	12	16	5	511	-2	19	-76	3325	4212	178	48
WOMERA	263/2	3	2	1	1	10	12	17	33	1925	-34	-33	143	591	889	116	51
NELCAL	086/	3	3	0	0	10	12	18	12	496	0	16	-114	3167	3860	171	44
BPOINT	077/	0	0	0	0	10	12	18	33	518	1	32	-76	3748	3862	175	18

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	105/	2	2	2	2	10	12	18	41	525	0	33	-60	3666	4315	5	41
WOMERA	264/	2	2	2	2	10	12	19	50	1644	-67	-28	139	889	983	41	27
NELCAL	087/	5	0	0	0	10	12	20	42	502	4	31	-111	3746	3812	102	13
BPOINT	078/	0	0	0	0	10	12	20	59	572	5	32	-76	3425	3530	172	17
ANTGUA	106/	2	2	2	2	10	12	21	7	601	2	28	-59	3024	3383	13	33
NELCAL	088/	2	2	2	2	10	12	23	6	538	6	33	-115	3542	3548	71	4
BPOINT	079/	0	0	0	0	10	12	23	25	675	6	21	-75	2505	3425	173	53
ANTGUA	107/	2	2	2	2	10	12	23	32	698	0	12	-60	1968	2110	160	24
NELCAL	089/	3	2	2	2	10	13	1	31	614	9	25	-116	2795	2985	175	25
QUITOE	352/	3	2	2	2	10	13	1	48	749	3	2	-79	1508	1539	351	13
		VARIABLE HETERODYNE ON 2ND SIGNAL. WHISTLERS ON TAPE.															
AGASTA	272/	2	2	2	2	10	13	4	13	865	-2	-25	-67	617	727	122	34
		WHISTLER ON TAPE															
SNTAGO	087/	2	2	2	2	10	13	6	31	952	-25	-33	-66	531	719	93	44
		WHISTLERS ON TAPE															
AGASTA	273/	X	2	2	2	10	13	8	48	894	-40	-31	-67	730	1166	161	55
SNTAGU	088/	3	2	2	2	10	13	8	48	894	-40	-31	-67	730	842	53	32
LIMAPU	087/	0	2	2	2	10	13	11	7	702	-27	-19	-69	1270	1817	133	51
AGASTA	274/	2	2	2	2	10	13	11	7	702	-27	-19	-69	1270	1400	15	27
SNTAGO	089/	0	2	2	2	10	13	11	7	702	-27	-19	-69	1270	2151	7	61
		CONTINOUS HOLD 1040 CPS DISAPPEARS BEFORE SIGNAL BEGINS.															
LIMAPU	088/	0	2	2	2	10	13	13	27	588	-9	-3	-78	2033	2321	357	34
QUITOE	353/	2	2	1	1	10	13	13	28	579	-7	-1	-76	2111	2148	106	12
ANTGUA	108/	X	2	0	0	10	13	13	37	525	-5	11	-59	2770	2919	154	22
WOMERA	265/1	2	2	2	2	10	13	15	6	1806	37	-29	139	561	649	45	32
QUITOE	354/	4	2	0	0	10	13	15	54	533	-3	19	-79	3179	4132	358	50
		WHISTLER ON TAPE															
WOMERA	265/2	2	2	2	2	10	13	17	24	1943	-30	-33	142	567	820	118	49
		WHISTLERS ON TAPE															
NELCAL	090/	2	2	0	0	10	13	18	4	514	0	19	-112	3170	3725	161	40
ANTGUA	109/	2	2	2	2	10	13	18	32	520	0	33	-59	3685	4346	9	41
WOMERA	266/	2	2	2	2	10	13	19	41	1675	-67	-28	139	836	937	31	29
NELCAL	091/	3	0	0	0	10	13	20	30	501	2	31	-116	3711	3723	144	6
ANTGUA	110/	2	2	2	2	10	13	20	57	581	2	28	-60	3134	3463	8	31
		WHISTLERS ON TAPE															
NELCAL	092/	3	0	0	0	10	13	22	58	539	6	32	-112	3539	3594	90	13
QUITOE	355/	3	1	0	0	10	13	23	15	644	5	21	-76	2643	3855	5	58
NELCAL	093/	3	2	2	2	10	14	1	22	595	8	24	-115	2857	3099	171	28
QUITOE	356/	2	2	1	1	10	14	1	40	720	4	-1	-77	1504	1517	102	8
		WHISTLERS ON TAPE															
AGASTA	275/	3	2	2	2	10	14	4	4	857	0	-26	-68	650	735	137	29
SNTAGU	090/	0	2	2	2	10	14	4	4	857	0	-26	-68	650	1110	18	58
SNTAGO	091/	3	2	2	2	10	14	6	22	959	-25	-33	-67	524	661	94	39
AGASTA	276/	0	(2)	1	1	10	14	8	39	909	-41	-31	-68	688	1098	165	55
SNTAGO	092/	3	1	1	1	10	14	8	39	909	-41	-31	-68	688	793	43	31
LIMAPU	089/	0	2	1	1	10	14	10	58	720	-26	-18	-69	1201	1694	131	50
AGASTA	277/	2	2	1	1	10	14	10	58	720	-26	-18	-69	1201	1376	9	32
LIMAPU	090/	0	2	2	2	10	14	13	19	604	-7	-0	-76	2037	2519	7	42

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
QUITOE	357/	3	2	2	2	10	14	13	20	597	-7	1	-74	2115	2221	69	21
ANTGUA	111/	0	0	0	0	10	14	13	26	560	-7	10	-62	2566	2745	182	25
		TM-FAULTY EQUIPMENT															
WOMERA	269/1	2	2	0	0	10	14	14	57	1792	40	-29	138	583	632	35	24
QUITOE	358/	4	2	0	0	10	14	15	44	555	-3	19	-80	3073	4073	355	52
WOMERA	269/2	2	2	2	2	10	14	17	15	1957	-26	-33	141	548	756	121	46
NELCAL	094/	2	2	2	2	10	14	17	52	535	-1	17	-117	2944	3607	179	44
BPOINT	080/	2	2	2	2	10	14	18	14	525	-1	33	-75	3736	3833	166	16
ANTGUA	112/	2	2	2	2	10	14	18	22	517	-1	33	-59	3715	4368	8	41
WOMERA	270/	3	2	2	2	10	14	19	32	1705	-67	-28	138	786	901	20	31
		WHISTLER ON TAPE															
NELCAL	095/	3	0	0	0	10	14	20	19	506	1	31	-118	3659	3671	204	6
BPOINT	081/	2	2	2	2	10	14	20	40	551	2	32	-75	3531	3662	167	19
ANTGUA	113/	4	2	2	2	10	14	20	48	564	1	27	-59	3184	3468	14	29
		TM-FAULTY EQUIPMENT															
NELCAL	096/	4	0	0	0	10	14	22	46	520	4	33	-116	3649	3650	65	2
ANTGUA	114/	2	0	0	0	10	14	23	13	638	1	11	-62	2194	2352	181	25
NELCAL	097/	2	2	2	2	10	15	1	12	569	7	24	-117	2977	3218	179	27
QUITOE	359/	4	2	1	1	10	15	1	30	686	5	-0	-80	1655	1662	285	6
		WHISTLERS ON TAPE															
LIMAPU	091/	0	(1)	1	1	10	15	1	32	694	4	-4	-75	1499	1816	15	39
AGASTA	278/	2	2	1	1	10	15	3	55	848	2	-26	-69	687	765	154	28
SNTAGO	093/	3	3	3	3	10	15	6	13	963	-23	-33	-67	521	614	96	33
		WHISTLERS ON TAPE															
SNTAGO	094/	2	2	1	1	10	15	8	30	923	-41	-30	-69	651	753	31	32
AGASTA	279/	4	2	2	2	10	15	8	30	923	-41	-30	-69	651	1034	169	55
		PINCHED SIGNAL															
LIMAPU	092/	0	(1)	1	1	10	15	10	50	714	-23	-16	-67	1206	1763	113	52
AGASTA	280/	4	2	2	2	10	15	10	50	714	-23	-16	-67	1206	1588	22	45
LIMAPU	093/	2	4	4	4	10	15	13	9	638	-8	-1	-78	1884	2358	356	43
QUITOE	360/	2	4	4	4	10	15	13	10	630	-7	1	-76	1963	2005	60	13
ANTGUA	115/	2	2	2	0	10	15	13	19	571	-8	14	-58	2642	2724	134	17
		PINCHED SIGNALS															
WOMERA	271/	2	2	0	0	10	15	14	47	1726	48	-28	133	644	798	309	38
		100 KC BAD															
QUITOE	361/	2	2	0	0	10	15	15	34	579	-4	19	-82	2959	4011	352	54
ANTGUA	116/	2	2	1	1	10	15	15	45	530	-5	29	-61	3498	3844	4	31
		CODED TIME IN ERROR															
WOMERA	272/1	2	2	2	2	10	15	17	6	1966	-22	-33	141	534	699	125	42
		WHISTLER ON TAPE															
NELCAL	098/	4	1	1	1	10	15	17	45	554	-1	20	-113	3008	3464	161	37
BPOINT	082/	2	2	2	2	10	15	18	4	530	-2	33	-76	3716	3805	169	16
WOMERA	272/2	2	2	2	2	10	15	19	23	1732	-67	-27	138	740	877	10	35
NELCAL	099/	4	0	0	0	10	15	20	12	517	1	32	-113	3681	3719	96	10
BPOINT	083/	2	2	2	2	10	15	20	30	541	1	31	-76	3591	3725	172	19
		AIRPLANE INTERFERENCE															
ANTGUA	117/	2	2	2	2	10	15	20	38	548	0	27	-60	3282	3538	9	27
NELCAL	100/	12	0	0	0	10	15	22	36	513	4	33	-117	3688	3689	53	1
QUITOE	362/	3	0	0	0	10	15	22	56	594	3	19	-77	2836	3883	3	54
BPOINT	084/	0	0	0	0	10	15	22	56	594	3	19	-77	2836	3812	181	52
		TM-SIGNAL LEVEL TOO LOW															
ANTGUA	118/	2	2	0	0	10	15	23	4	611	0	9	-62	2265	2482	180	28
		NO CODED TIME. WHISTLERS ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
NELCAL	101/	11	0	0	0	10	16	1	3	552	6	22	-116	3033	3335	175	30
QUITOE	363/	2	2	2	2	10	16	1	22	662	5	-3	-78	1651	1683	161	13
LIMAPU	094/	2	2	2	2	10	16	1	22	662	5	-3	-78	1651	1975	356	38
AGASTA	281/	0	0	0	0	10	16	3	41	799	12	-19	-87	1005	2181	285	71
		TM-STARTED TAPE TOO SOON															
AGASTA	282/	0	0	0	0	10	16	8	21	936	-41	-30	-69	618	977	174	54
LIMAPU	095/	0	1	0	0	10	16	10	40	760	-25	-17	-70	1071	1448	127	47
		NO 100 K C.WHISTLER ON TAPE.															
AGASTA	283/	2	2	2	2	10	16	10	41	735	-22	-15	-68	1139	1585	17	49
QUITOE	364/	3	0	0	0	10	16	13	0	665	-7	1	-78	1810	1817	19	6
LIMAPU	096/	0	0	0	0	10	16	13	1	658	-7	2	-76	1889	2589	5	51
ANTGUA	119/	2	2	2	2	10	16	13	9	603	-8	14	-60	2504	2558	149	14
WOMERA	273/1	2	2	1	1	10	16	14	40	1798	37	-31	141	609	731	89	35
QUITOE	365/	0	0	0	0	10	16	15	27	592	-5	23	-77	3023	4349	3	59
BPOINT	085/	2	0	0	0	10	16	15	27	592	-5	23	-77	3023	3695	180	44
ANTGUA	120/	2	2	2	2	10	16	15	35	546	-6	29	-61	3424	3789	1	32
		TM-SOME SUN NOISE															
WOMERA	273/2	2	1	1	1	10	16	16	57	1971	-18	-33	140	525	650	130	38
NELCAL	102/	3	0	0	0	10	16	17	34	578	-1	20	-116	2825	3315	175	39
BPOINT	086/	3	2	2	2	10	16	17	55	534	-2	33	-74	3703	3794	155	16
ANTGUA	121/	2	2	2	2	10	16	18	2	514	-3	33	-60	3747	4384	6	40
WOMERA	274/1	2	2	2	2	10	16	19	15	1691	-70	-25	141	742	1084	31	50
NELCAL	103/	3	0	0	0	10	16	20	0	525	0	32	-117	3587	3590	184	3
		TM-UNKNOWN INTERFERENCE.															
BPOINT	087/	2	2	2	2	10	16	20	20	532	0	31	-76	3642	3781	176	20
ANTGUA	122/	2	2	2	2	10	16	20	28	532	0	26	-61	3371	3603	5	26
NELCAL	104/	3	0	0	0	10	16	22	26	508	3	33	-117	3718	3718	264	1
ANTGUA	123/	2	2	2	2	10	16	22	56	584	0	7	-60	2261	2652	169	37
NELCAL	105/	4	2	2	2	10	17	0	53	531	5	22	-117	3142	3450	181	30
QUITOE	366/	4	2	0	0	10	17	1	13	635	5	-4	-78	1725	1784	171	17
LIMAPU	097/	4	(0)	0	0	10	17	1	14	640	5	-6	-76	1646	1812	14	28
		IOTA SIGNAL RECORDED															
AGASTA	284/	0	(0)	0	0	10	17	1	16	650	5	-9	-71	1490	2315	357	58
AGASTA	285/	4	2	2	2	10	17	3	38	833	4	-28	-66	726	1000	145	46
SNTAGO	095/	3	2	2	2	10	17	5	56	946	-21	-33	-64	523	813	95	53
		WHISTLER ON TAPE.															
AGASTA	286/	0	1	1	1	10	17	8	12	947	-41	-30	-70	590	928	180	54
SNTAGO	096/	3	1	1	1	10	17	8	13	906	-36	-29	-66	620	936	42	52
LIMAPU	098/	2	2	2	2	10	17	10	30	810	-30	-18	-74	947	1229	154	43
AGASTA	287/	0	(1)	0	0	10	17	10	31	790	-24	-16	-71	1010	1374	355	47
		TM-WEAK SIGNAL															
QUITOE	367/	2	2	2	2	10	17	12	51	694	-6	2	-78	1736	1761	5	11
LIMAPU	099/	2	2	1	1	10	17	12	52	688	-7	3	-76	1815	2634	4	55
ANTGUA	124/	2	2	2	2	10	17	12	59	638	-9	14	-61	2361	2404	175	13
WOMERA	274/2	3	3	3	3	10	17	14	31	1776	40	-31	140	640	722	94	29
		WHISTLERS ON TAPE															
BPOINT	088/	2	0	0	0	10	17	15	18	612	-6	24	-76	2968	3559	177	42
ANTGUA	125/	2	2	2	2	10	17	15	26	557	-7	30	-60	3385	3810	6	34
		TM-SUN NOISE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	276/1	0	0	0	0	10	17	16	48	1970	-14	-33	139	521	611	137	33
		REPAIR.															
NELCAL	106/	2	0	0	0	10	17	17	31	588	-2	26	-103	3131	3626	114	38
		TM-TUNING TRANSMITTERS															
BPOINT	089/	2	0	0	0	10	17	17	44	546	-4	33	-77	3646	3726	176	15
ANTGUA	126/	2	2	2	2	10	17	17	52	515	-4	33	-60	3748	4377	5	40
WOMERA	276/2	2	2	2	2	10	17	19	6	1713	-69	-25	140	700	1066	24	52
NELCAL	107/	3	0	0	0	10	17	19	52	535	-1	32	-114	3589	3612	92	8
BPOINT	090/	8	0	0	0	10	17	20	10	525	0	31	-77	3682	3829	179	20
ANTGUA	127/	2	2	2	2	10	17	20	18	519	-1	26	-62	3450	3662	0	25
NELCAL	108/	3	0	0	0	10	17	22	18	508	2	32	-114	3717	3740	106	8
QUITOE	368/	4	0	0	0	10	17	22	37	549	2	18	-78	3013	3897	1	49
BPOINT	091/	0	0	0	0	10	17	22	38	551	2	17	-76	2953	4147	178	57
ANTGUA	128/	2	2	0	0	10	17	22	46	559	-1	7	-62	2406	2767	179	35
NELCAL	109/	3	0	0	0	10	18	0	44	516	4	21	-116	3190	3570	177	33
QUITOE	369/	2	2	2	2	10	18	1	4	610	6	-5	-78	1798	1895	176	21
AGASTA	288/	0	0	0	0	10	18	1	8	633	6	-12	-69	1484	2075	7	51
AGASTA	289/	4	1	1	1	10	18	3	29	823	5	-29	-67	770	1037	151	45
SNTAGO	097/	2	2	2	2	10	18	5	47	946	-20	-33	-65	530	765	95	49
		WHISTLERS ON TAPE															
AGASTA	290/	0	2	2	2	10	18	8	4	917	-36	-28	-67	592	875	147	50
SNTAGO	098/	2	2	2	2	10	18	8	4	917	-36	-28	-67	592	906	35	52
LIMAPU	100/	2	2	1	1	10	18	10	21	829	-28	-17	-75	892	1118	156	40
AGASTA	291/	0	1	0	0	10	18	10	23	778	-20	-13	-69	1014	1612	9	56
QUITOE	370/	3	3	2	2	10	18	12	43	718	-6	5	-76	1742	1880	23	25
LIMAPU	101/	1	(2)	0	0	10	18	12	43	718	-6	5	-76	1742	2685	3	58
		NO CODED TIME															
ANTGUA	129/	5	2	2	2	10	18	12	51	656	-10	16	-59	2368	2393	110	10
WOMERA	278/1	2	2	2	2	10	18	14	22	1751	42	-31	140	675	729	100	23
BPOINT	092/	2	2	1	1	10	18	15	9	633	-7	25	-76	2911	3432	174	39
ANTGUA	130/	2	2	2	2	10	18	15	16	577	-9	30	-61	3299	3740	3	35
NELCAL	110/	2	2	2	2	10	18	17	15	628	-3	21	-117	2633	3048	179	37
BPOINT	093/	2	2	0	0	10	18	17	34	556	-5	33	-77	3596	3673	180	15
ANTGUA	131/	2	2	1	1	10	18	17	42	518	-5	33	-60	3738	4361	4	40
WOMERA	278/2	2	2	2	2	10	18	18	57	1732	-68	-24	139	662	1060	17	55
NELCAL	111/	2	2	1	1	10	18	19	41	548	-2	32	-116	3494	3496	113	2
BPOINT	094/	3	1	1	1	10	18	20	1	518	-1	30	-75	3698	3879	170	22
ANTGUA	132/	2	2	1	1	10	18	20	9	506	-2	25	-61	3484	3649	7	22
NELCAL	112/	2	2	2	2	10	18	22	6	503	0	32	-118	3747	3749	246	2
BPOINT	095/	0	0	0	0	10	18	22	28	530	1	16	-78	3066	4266	181	56
QUITOE	371/	4	2	0	0	10	18	22	29	531	1	15	-76	3008	3708	10	45
ANTGUA	133/	2	2	1	1	10	18	22	38	534	0	4	-60	2399	2967	171	43
NELCAL	113/	2	3	0	0	10	19	0	35	500	4	19	-116	3237	3701	174	36
QUITOE	372/	4	2	2	2	10	19	0	55	587	6	-7	-78	1871	2016	178	25

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	102/	2	2	2	2	10	19	0	56	593	6	-8	-76	1792	1854	15	17
AGASTA	292/	0	(1)	1	1	10	19	0	56	593	6	-8	-76	1792	2735	339	58
AGASTA	293/	0	2	2	2	10	19	3	19	805	6	-28	-71	873	1022	193	34
		WHISTLERS ON TAPE															
SNTAGO	099/	2	2	2	2	10	19	3	20	811	6	-29	-68	818	993	34	37
		WHISTLER ON TAPE.															
SNTAGO	100/	3	1	1	1	10	19	5	38	944	-19	-33	-66	542	725	95	44
		WHISTLERS ON TAPE															
AGASTA	294/	0	2	2	2	10	19	7	55	926	-35	-28	-68	568	801	152	47
		WHISTLERS ON TAPE															
SNTAGO	101/	2	2	2	2	10	19	7	55	926	-35	-28	-68	568	887	27	53
		WHISTLERS ON TAPE.															
LIMAPU	103/	2	2	2	2	10	19	10	12	849	-27	-16	-75	839	1012	160	36
		WHISTLERS ON TAPE															
AGASTA	295/	0	(1)	1	1	10	19	10	12	849	-27	-16	-75	839	1338	326	56
WOMERA	279/1	0	0	0	0	10	19	11	54	1173	57	-21	140	1245	1807	14	52
QUITOE	373/	4	2	2	2	10	19	12	35	745	-6	7	-74	1748	2083	28	38
		WHISTLERS ON TAPE															
ANTGUA	134/	2	2	2	2	10	19	12	41	695	-10	16	-61	2221	2227	145	5
WOMERA	279/2	2	2	2	2	10	19	14	13	1723	44	-32	139	714	750	110	19
		WHISTLER ON TAPE															
BPOINT	096/	0	0	0	0	10	19	14	59	664	-9	25	-77	2787	3305	179	40
ANTGUA	135/	2	2	2	2	10	19	15	7	589	-10	31	-60	3254	3754	7	37
WOMERA	280/1	2	2	2	2	10	19	16	31	1949	-16	-32	142	522	753	106	49
NELCAL	114/	2	2	1	1	10	19	17	7	650	-3	23	-114	2639	2938	164	31
		TM-ANTENNA DISCONNECTED FOR A FEW SECONDS															
BPOINT	097/	1	2	2	2	10	19	17	25	562	-6	33	-75	3569	3644	165	15
ANTGUA	136/	7	2	1	1	10	19	17	32	521	-5	33	-61	3719	4335	3	40
NELCAL	115/	2	2	1	1	10	19	19	31	562	-3	32	-117	3420	3420	131	1
BPOINT	098/	4	1	1	1	10	19	19	51	514	-3	30	-76	3724	3915	173	23
ANTGUA	137/	X	2	2	2	10	19	19	59	495	-3	25	-61	3550	3695	3	20
		POOR RISE AND S/N.															
NELCAL	116/	3	0	0	0	10	19	21	59	501	0	31	-112	3742	3788	114	11
QUITOE	374/	3	0	0	0	10	19	22	18	511	0	16	-79	3172	3895	360	45
BPOINT	099/	0	0	0	0	10	19	22	19	511	0	15	-77	3118	4441	180	58
ANTGUA	138/	2	2	0	0	10	19	22	28	512	-1	4	-61	2540	3080	178	42
NELCAL	117/	4	1	1	1	10	20	0	27	488	3	17	-113	3233	3888	167	42
QUITOE	375/	0	0	0	0	10	20	0	46	565	7	-8	-78	1944	2144	179	29
AGASTA	296/	0	0	0	0	10	20	0	50	592	8	-14	-69	1628	2025	6	42
LIMAPU	104/	0	0	0	0	10	20	0	50	592	8	-14	-69	1628	1910	107	36
		TM-FAULTY EQUIPMENT															
AGASTA	297/	0	0	0	0	10	20	3	11	800	7	-30	-68	868	1142	162	44
SNTAGO	102/	3	0	0	0	10	20	3	11	800	7	-30	-68	868	1002	33	32
SNTAGO	103/	2	2	2	2	10	20	5	29	941	-18	-33	-66	558	697	95	39
		WHISTLER ON TAPE. BAD 100 KC.															
SNTAGO	104/	3	1	1	1	10	20	7	46	934	-35	-28	-68	549	882	19	55
AGASTA	298/	0	1	1	1	10	20	7	47	899	-29	-26	-64	570	884	116	53
LIMAPU	105/	2	2	2	2	10	20	10	4	843	-21	-14	-73	843	992	116	34
		WHISTLERS ON TAPE															
QUITOE	376/	0	0	0	0	10	20	12	25	785	-5	7	-77	1598	1858	13	35
		SILENT PERIOD.															
ANTGUA	139/	0	0	0	0	10	20	12	32	726	-12	17	-61	2151	2154	78	4
		SILENT PERIOD															
WOMERA	280/2	2	2	2	2	10	20	14	4	1694	45	-32	138	756	781	123	15
BPOINT	100/	0	0	0	0	10	20	14	50	687	-10	26	-76	2727	3181	176	38
		SILENT PERIOD															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	140/	0	0	0	0	10	20	14	57	611	-11	31	-61	3155	3671	4	38
		SILENT PERIOD															
WOMERA	282/1	2	2	2	2	10	20	16	22	1939	-12	-32	141	527	705	106	44
		WHISTLERS ON TAPE															
NELCAL	118/	0	0	0	0	10	20	16	57	679	-4	23	-116	2503	2792	172	31
		SILENT PERIOD															
BPOINT	101/	0	0	0	0	10	20	17	15	575	-7	33	-76	3506	3578	170	14
		SILENT PERIOD															
ANTGUA	141/	0	0	0	0	10	20	17	22	527	-7	33	-61	3691	4300	2	40
		SILENT PERIOD															
WOMERA	282/2	2	2	2	2	10	20	18	40	1696	-69	-22	141	631	1352	24	67
NELCAL	119/	0	0	0	0	10	20	19	21	577	-3	33	-117	3337	3338	267	1
		SILENT PERIOD															
ANTGUA	142/	0	0	0	0	10	20	19	49	485	-3	24	-62	3606	3734	358	19
		SILENT PERIOD															
NELCAL	120/	0	0	0	0	10	20	21	47	502	-2	31	-117	3743	3747	171	3
		SILENT PERIOD															
QUITOE	377/	0	0	0	0	10	20	22	8	493	0	16	-80	3269	3956	356	43
		SILENT PERIOD.															
BPOINT	102/	0	0	0	0	10	20	22	10	493	0	14	-76	3167	4621	179	60
		SILENT PERIOD															
ANTGUA	143/	0	0	0	0	10	20	22	19	490	0	2	-61	2605	3246	177	45
		SILENT PERIOD.															
NELCAL	121/	0	0	0	0	10	21	0	16	470	1	18	-116	3370	3942	176	40
		SILENT PERIOD															
QUITOE	378/	0	0	0	0	10	21	0	36	539	6	-7	-81	2094	2286	196	27
		SILENT PERIOD.															
LIMAPU	106/	0	0	0	0	10	21	0	38	552	7	-10	-76	1937	1947	32	7
		SILENT PERIOD.															
AGASTA	299/	0	0	0	0	10	21	0	41	574	9	-15	-69	1700	2013	6	37
		SILENT PERIOD															
SNTAGO	105/	0	0	0	0	10	21	3	2	787	8	-30	-68	921	1022	32	28
		SILENT PERIOD															
AGASTA	300/	0	0	0	0	10	21	3	2	787	8	-30	-68	921	1207	166	44
		SILENT PERIOD.															
SNTAGO	106/	0	0	0	0	10	21	5	20	935	-17	-33	-67	579	679	94	33
		SILENT PERIOD															
SNTAGO	107/	0	0	0	0	10	21	7	35	1018	-41	-30	-78	520	952	298	60
		SILENT PERIOD															
AGASTA	301/	0	0	0	0	10	21	7	37	940	-33	-27	-69	534	679	166	40
		SILENT PERIOD															
LIMAPU	107/	0	0	0	0	10	21	9	54	887	-24	-15	-77	745	831	177	28
		SILENT PERIOD.															
QUITOE	379/	0	0	0	0	10	21	12	18.	809	-7	11	-72	1683	2368	28	52
		SILENT PERIOD.															
ANTGUA	144/	0	0	0	0	10	21	12	23	757	-13	18	-61	2080	2091	39	7
		SILENT PERIOD.															
WOMERA	284/1	0	0	0	0	10	21	13	54	1612	50	-32	134	856	906	260	20
		SILENT PERIOD															
BPOINT	103/	0	0	0	0	10	21	14	40	721	-11	26	-78	2594	3054	182	38
		SILENT PERIOD															
ANTGUA	145/	0	0	0	0	10	21	14	47	637	-13	31	-62	3048	3582	1	39
		SILENT PERIOD.															
WOMERA	284/2	0	0	0	0	10	21	16	13	1924	-8	-32	141	537	666	105	38
		SILENT PERIOD															
NELCAL	122/	0	0	0	0	10	21	16	47	710	-4	23	-117	2362	2657	182	32
		SILENT PERIOD															
BPOINT	104/	0	0	0	0	10	21	17	5	590	-8	33	-77	3434	3504	175	14
		SILENT PERIOD															
ANTGUA	146/	0	0	0	0	10	21	17	12	534	-8	33	-62	3653	4256	0	40
		SILENT PERIOD.															
NELCAL	123/	0	0	0	0	10	21	19	12	590	-4	33	-116	3295	3297	67	3
		SILENT PERIOD															
ANTGUA	147/	0	0	0	0	10	21	19	40	473	-4	23	-61	3630	3716	7	16
		SILENT PERIOD															
NELCAL	124/	0	0	0	0	10	21	21	37	503	-2	31	-117	3728	3734	186	4
		SILENT PERIOD															
QUITOE	380/	0	0	0	0	10	21	22	0	476	-1	13	-78	3265	3767	4	38
		SILENT PERIOD.															
LIMAPU	108/	0	0	0	0	10	21	22	1	475	-1	12	-76	3214	4553	3	58
		SILENT PERIOD															
QUITOE	381/	0	0	0	0	10	22	0	28	527	7	-10	-78	2087	2422	179	36
		SILENT PERIOD.															
LIMAPU	109/	0	0	0	0	10	22	0	29	534	7	-12	-76	2009	2012	83	3
		SILENT PERIOD															
AGASTA	302/	0	0	0	0	10	22	2	53	775	8	-30	-69	977	1277	169	44
		PROBABLY SILENT PERIOD															
SNTAGO	108/	0	0	0	0	10	22	5	10	944	-16	-33	-72	636	654	255	14
		SILENT PERIOD															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	303/	0	0	0	0	10	22	7	28	945	-32	-27	-70	525	638	178	36
		SILENT PERIOD.															
LIMAPU	110/	0	0	0	0	10	22	9	45	905	-21	-14	-78	703	765	194	24
		TM-FAULTY EQUIP. SILENT PERIOD															
WOMERA	285/	0	0	0	0	10	22	11	27	1115	52	-23	139	1450	1774	14	40
QUITOE	382/	2	2	2	2	10	22	12	7	857	-5	9	-77	1456	1878	7	44
WOMERA	286/1	4	4	4	4	10	22	13	46	1630	46	-32	138	851	871	151	13
		WHISTLERS ON TAPE															
BPOINT	105/	0	0	0	0	10	22	14	31	747	-13	27	-77	2530	2932	179	36
		SILENT PERIOD															
ANTGUA	148/	2	2	2	2	10	22	14	38	651	-14	32	-60	2995	3581	5	41
WOMERA	286/2	4	4	4	4	10	22	16	4	1905	-4	-32	140	551	639	104	32
		WHISTLER ON TAPE.															
NELCAL	125/	2	2	2	2	10	22	16	39	734	-5	25	-114	2369	2569	162	27
BPOINT	106/	X	4	4	4	10	22	16	56	597	-9	33	-75	3397	3473	160	15
		WHISTLERS ON TAPE															
ANTGUA	149/	4	4	4	4	10	22	17	2	542	-9	33	-62	3606	4204	359	40
		CODED TIME POOR,TAPE HAS WOW															
NELCAL	126/	4	1	0	0	10	22	19	2	609	-6	33	-117	3200	3201	21	1
		TM-CIRCUIT BREAKER OPENED															
ANTGUA	150/	4	0	0	0	10	22	19	30	466	-5	22	-62	3672	3743	1	14
NELCAL	127/	4	0	0	0	10	22	21	27	505	-3	31	-118	3704	3712	197	5
		TM-IGNITION INTERFERENCE															
LIMAPU	111/	0	0	0	0	10	22	21	51	459	-1	12	-77	3307	4589	1	57
		SILENT PERIOD															
QUITOE	383/	3	0	0	0	10	22	21	53	457	-1	9	-74	3209	3545	26	31
		FOUR MINUTE BREAK ON TAPE															
ANTGUA	151/	5	4	1	1	10	22	22	1	451	0	-0	-61	2730	3595	176	50
NELCAL	128/	5	4	0	0	10	22	23	57	443	1	16	-116	3482	4184	177	43
LIMAPU	112/	4	4	3	3	10	23	0	20	517	8	-13	-76	2081	2088	143	6
AGASTA	304/	0	3	3	3	10	23	0	20	517	8	-13	-76	2081	2596	331	43
QUITOE	384/	0	4	3	3	10	23	0	21	525	8	-14	-74	2002	2714	162	50
SNTAGO	109/	4	0	0	0	10	23	2	43	752	9	-30	-73	1103	1190	332	24
AGASTA	305/	0	0	0	0	10	23	2	44	761	8	-31	-69	1036	1351	171	44
SNTAGO	110/	4	0	0	0	10	23	5	2	919	-15	-33	-68	633	678	90	22
AGASTA	306/	4	4	3	3	10	23	7	20	917	-25	-25	-67	525	644	112	37
		WHISTLERS ON TAPE															
LIMAPU	113/	4	4	0	0	10	23	9	37	903	-14	-12	-75	707	734	83	16
		NO 100 KC,TM-FAULTY EQUIPMENT.WHISTLERS ON TAPE															
WOMERA	287/1	2	2	1	1	10	23	11	18	1096	49	-24	139	1520	1781	15	35
QUITOE	385/	0	0	0	0	10	23	11	58	895	-4	10	-78	1387	1902	4	49
ANTGUA	152/	4	4	4	4	10	23	12	5	824	-17	21	-60	1937	1995	22	16
WOMERA	287/2	4	4	4	4	10	23	13	37	1595	46	-33	137	903	924	162	13
		WHISTLERS ON TAPE															
BPOINT	107/	4	3	2	2	10	23	14	22	773	-14	28	-76	2464	2818	175	35
ANTGUA	153/	3	3	3	3	10	23	14	28	681	-15	32	-62	2877	3480	1	42
WOMERA	288/	4	4	4	4	10	23	15	55	1881	0	-31	139	571	624	101	25
		WHISTLERS ON TAPE															
NELCAL	129/	4	4	4	4	10	23	16	30	763	-6	26	-114	2301	2470	156	25
BPOINT	108/	4	4	0	0	10	23	16	46	615	-10	33	-76	3312	3385	166	15
		NO 100 KC ON TAPE															
ANTGUA	154/	X	2	0	0	10	23	16	53	543	-10	32	-60	3580	4151	4	39
NELCAL	130/	0	0	0	0	10	23	18	52	629	-6	33	-118	3097	3099	312	2
ANTGUA	155/	3	0	0	0	10	23	19	20	460	-5	22	-62	3704	3763	355	13
		TM-INTERR. UNSUCCESSFUL															
NELCAL	131	X	0	0	0	10	23	21	18	505	-3	30	-116	3689	3706	163	7
		TM-LINEAR SIGNAL DETECTOR DISCONNECTED.															
LIMAPU	114/	4	0	0	0	10	23	21	39	448	-1	13	-81	3472	4909	351	59
		NO 100 KC.															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
QUITOE	386/	4	0	0	0	10	23	21	42	443	-1	10	-76	3349	3666	12	30
ANTGUA	156/	5	2	0	0	10	23	21	51	434	0	-1	-62	2856	3717	181	50
NELCAL	132/	3	4	1	1	10	23	23	47	431	0	15	-117	3548	4280	179	44
		WEAK SIGNALS															
QUITOE	387/	0	4	0	2	10	24	0	10	494	8	-13	-78	2228	2722	179	42
		100 KC BAD															
LIMAPU	115/	4	4	4	4	10	24	0	11	502	8	-14	-76	2151	2176	158	10
AGASTA	307/	0	4	1	1	10	24	0	14	527	10	-18	-69	1916	2036	9	23
AGASTA	308/	0	0	0	0	10	24	2	35	747	9	-31	-69	1096	1427	172	44
SNTAGO	111/	2	0	0	0	10	24	2	37	764	8	-32	-61	966	1350	88	48
SNTAGO	112/	4	4	3	3	10	24	4	53	908	-13	-33	-69	666	694	86	17
		WHISTLERS ON TAPE															
AGASTA	309/	4	4	4	4	10	24	7	11	921	-24	-24	-68	519	586	108	29
LIMAPU	116/	4	4	3	3	10	24	9	28	922	-11	-11	-76	669	684	43	13
		WHISTLERS ON TAPE															
WOMERA	290/1	4	4	0	0	10	24	11	9	1077	48	-25	139	1591	1797	17	31
		RECORDED AT 30 IPS															
QUITOE	388/	3	0	0	0	10	24	11	50	930	-6	13	-75	1335	2178	13	57
ANTGUA	157/	0	0	0	0	10	24	11	56	858	-19	22	-60	1866	1961	19	20
		TM-FAULTY EQUIPMENT															
WOMERA	290/2	4	4	4	4	10	24	13	28	1560	46	-33	137	958	981	169	14
		WHISTLER ON TAPE															
BPOINT	109/	4	0	0	0	10	24	14	13	800	-17	29	-75	2398	2712	171	33
ANTGUA	158/	X	3	3	3	10	24	14	19	697	-17	32	-60	2820	3471	5	44
		POOR QUALITY SIGNAL															
WOMERA	291/1	2	2	2	2	10	24	15	46	1855	3	-31	139	593	623	95	18
NELCAL	133/	4	4	4	4	10	24	16	20	799	-6	26	-116	2155	2312	170	25
BPOINT	110/	4	4	4	4	10	24	16	36	636	-12	33	-76	3219	3290	173	15
NELCAL	134/	4	0	0	0	10	24	18	43	645	-8	33	-116	3046	3049	41	3
		TM-FAULTY EQUIPMENT															
BPOINT	111/	3	2	2	2	10	24	19	2	505	-7	27	-76	3721	4027	177	29
ANTGUA	159/	3	1	1	1	10	24	19	11	449	-6	20	-61	3716	3746	8	9
		NOISE CAUSED BY FREQ. CHECK															
NELCAL	135/	4	0	0	0	10	24	21	9	505	-4	29	-115	3672	3712	148	11
QUITOE	389/	3	0	0	0	10	24	21	32	430	-2	10	-77	3429	3708	7	28
LIMAPU	117/	4	0	0	0	10	24	21	32	430	-2	10	-77	3429	4505	360	52
		NO 100 KC.															
ANTGUA	160/	11	0	0	0	10	24	21	42	417	1	-2	-62	2913	3898	180	52
NELCAL	136/	X	0	0	0	10	24	23	38	420	0	14	-116	3575	4429	177	47
QUITOE	390/	0	0	0	0	10	25	0	2	488	8	-15	-76	2221	2940	170	49
AGASTA	310/	0	0	0	0	10	25	0	5	514	10	-19	-69	1988	2065	13	18
AGASTA	311/	0	(2)	2	2	10	25	2	26	733	9	-32	-69	1158	1504	173	44
SNTAGO	113/	4	4	3	3	10	25	2	27	742	9	-32	-65	1089	1222	79	29
SNTAGO	114/	4	4	4	3	10	25	4	45	884	-11	-32	-65	662	887	82	44
		WHISTLERS ON TAPE. BAD 100 KC.															
AGASTA	312/	4	4	0	0	10	25	7	2	922	-22	-24	-69	518	546	100	19
		NO 100 KC															
LIMAPU	118/	5	4	4	4	10	25	9	19	940	-8	-10	-77	634	661	359	17
		WHISTLERS ON TAPE.															
WOMERA	291/2	4	4	0	0	10	25	11	0	1059	45	-25	139	1661	1822	21	27
		NO CODED TIME															
QUITOE	391/	4	3	3	3	10	25	11	42	965	-9	15	-73	1403	2495	18	65
		CODED TIME BAD															
ANTGUA	161/	4	4	4	4	10	25	11	47	893	-20	23	-60	1795	1935	18	25
		WHISTLER ON TAPE															
WOMERA	293/	4	3	3	3	10	25	13	20	1570	41	-33	141	951	1082	122	31
BPOINT	112/	0	0	0	0	10	25	14	3	844	-17	29	-77	2254	2575	180	34

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	162/	2	2	2	2	10	25	14	10	712	-19	33	-59	2761	3462	9	46
		PINCHED SIGNAL															
WOMERA	294/	4	4	4	4	10	25	15	37	1825	6	-31	138	620	634	82	13
		WHISTLERS ON TAPE															
NELCAL	137/	4	0	0	0	10	25	16	11	831	-7	27	-115	2085	2212	164	23
BPOINT	113/	4	3	3	3	10	25	16	27	645	-14	33	-75	3173	3256	159	16
ANTGUA	163/	2	2	2	2	10	25	16	33	566	-12	32	-62	3450	4004	1	39
		WHISTLERS ON TAPE															
NELCAL	138/	4	0	0	0	10	25	18	34	660	-9	33	-115	2993	3006	64	6
BPOINT	114/	0	0	0	0	10	25	18	52	507	-7	27	-77	3695	4024	179	30
ANTGUA	164/	6	0	0	0	10	25	19	1	445	-7	20	-62	3735	3755	359	7
NELCAL	139/	4	0	0	0	10	25	20	58	515	-5	29	-117	3604	3630	181	9
		TM-ANTENNA TROUBLE															
QUITOE	392/	0	0	0	0	10	25	21	22	418	-2	9	-78	3501	3745	3	26
LIMAPU	119/	2	0	0	0	10	25	21	23	416	-3	8	-77	3465	4396	1	49
ANTGUA	165/	8	0	0	0	10	25	21	33	402	1	-4	-61	2968	4084	179	55
NELCAL	140/	3	0	0	0	10	25	23	28	411	-2	13	-117	3627	4520	180	47
LIMAPU	120/	5	2	0	0	10	25	23	52	467	8	-15	-78	2366	2411	190	13
		TM-MUCH NOISE.															
SNTAGO	115/	0	0	0	0	10	25	23	52	467	8	-15	-78	2366	3413	338	56
QUITOE	393/	0	2	0	0	10	25	23	53	475	8	-17	-76	2290	3104	170	51
AGASTA	313/	0	(2)	0	0	10	25	23	56	502	10	-20	-69	2059	2104	21	14
		NO 100 KC															
AGASTA	314/	0	(2)	0	0	10	26	2	17	718	10	-32	-69	1222	1583	173	44
		NO 100 KC															
SNTAGO	116/	4	3	0	0	10	26	2	19	736	9	-33	-61	1082	1427	91	45
		WHISTLER ON TAPE															
AGASTA	315/	0	2	2	2	10	26	4	35	883	-11	-33	-70	743	1299	176	60
SNTAGO	117/	4	4	4	4	10	26	4	36	872	-10	-32	-65	697	890	78	41
		WHISTLERS ON TAPE. BAD 100 KC															
AGASTA	316/	4	1	1	1	10	26	6	54	902	-15	-22	-66	516	746	65	49
LIMAPU	121/	4	4	4	4	10	26	9	11	952	-1	-7	-75	637	860	27	45
		WHISTLERS ON TAPE															
WOMERA	296/	4	4	4	2	10	26	10	51	1040	43	-26	139	1733	1857	26	24
		SIGNALS WEAK AND PINCHED.															
WOMERA	297/	4	3	3	3	10	26	13	10	1438	45	-33	137	1073	1102	173	14
BPOINT	115/	4	3	3	3	10	26	13	54	874	-20	30	-76	2185	2469	176	32
		PINCHED SIGNAL															
ANTGUA	166/	2	1	1	1	10	26	14	0	749	-21	33	-60	2631	3343	4	47
WOMERA	298/	4	4	4	4	10	26	15	28	1792	9	-31	138	651	658	54	9
		WHISTLER ON TAPE.															
NELCAL	141/	4	4	3	3	10	26	16	2	863	-8	28	-115	2015	2119	157	21
BPOINT	116/	4	4	3	1	10	26	16	16	684	-15	33	-78	3010	3087	189	16
		PINCHED SIGNALS															
ANTGUA	167/	3	1	1	1	10	26	16	24	568	-14	31	-60	3414	3935	6	38
NELCAL	142/	4	4	3	3	10	26	18	24	685	-10	33	-116	2876	2882	48	4
BPOINT	117/	4	2	2	2	10	26	18	42	511	-8	27	-77	3660	4014	181	31
ANTGUA	168/	3	0	0	0	10	26	18	51	441	-7	19	-62	3745	3759	344	6
ANTGUA	169/	3	0	0	0	10	26	19	0	386	-5	11	-49	3617	4105	116	36
		EQUIPMENT FAILURE.															
NELCAL	143/	4	4	4	4	10	26	20	48	523	-7	29	-118	3548	3581	188	10
QUITOE	394/	4	1	0	0	10	26	21	12	407	-3	8	-79	3565	3779	358	24
LIMAPU	122/	0	0	0	0	10	26	21	13	404	-2	7	-78	3533	4409	359	47
AGASTA	317/	0	0	0	0	10	26	21	18	393	-2	2	-70	3336	4801	0	60
NELCAL	144/	4	0	0	0	10	26	23	19	400	-1	12	-116	3649	4677	178	50

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
QUITOE	395/	0	5	1	1	10	26	23	43	456	8	-17	-77	2433	3203	176	49
LIMAPU	123/	4	4	4	4	10	26	23	43	456	8	-17	-77	2433	2513	183	17
SNTAGO	118/	0	(6)	0	0	10	26	23	43	456	8	-17	-77	2433	3348	338	53
		30 IPS															
AGASTA	318/	4	4	4	4	10	26	23	46	481	9	-20	-71	2207	2249	349	13
AGASTA	319/	0	4	4	4	10	27	2	8	703	10	-32	-69	1287	1663	172	44
SNTAGO	119/	5	5	4	4	10	27	2	8	703	10	-32	-69	1287	1305	57	10
		WHISTLER ON TAPE															
SNTAGO	120/	4	2	2	2	10	27	4	27	858	-9	-32	-66	739	905	74	38
AGASTA	320/	0	(2)	1	1	10	27	4	28	849	-8	-31	-61	694	1438	135	67
AGASTA	321/	4	2	2	2	10	27	6	45	902	-13	-21	-67	521	714	54	45
		WHISTLER ON TAPE															
LIMAPU	124/	4	4	4	4	10	27	9	2	970	2	-7	-76	608	863	14	48
		WHISTLER ON TAPE.															
WOMERA	301/	4	4	3	3	10	27	10	41	982	40	-26	137	1883	1990	1	22
		WHISTLER ON TAPE															
WOMERA	302/	4	4	4	4	10	27	13	1	1451	44	-33	137	1135	1166	172	14
		WHISTLERS ON TAPE															
BPOINT	118/	4	4	4	4	10	27	13	45	903	-21	30	-76	2116	2370	172	31
		BAD 100 KC. PINCHED SIGNALS															
ANTGUA	170/	3	1	1	1	10	27	13	51	767	-23	33	-59	2567	3322	8	48
		WEAK SIGNAL															
ANTGUA	171/	3	0	0	0	10	27	14	0	581	-17	33	-37	3139	4837	51	65
WOMERA	303/	4	4	4	4	10	27	15	19	1755	11	-30	137	688	695	14	8
		WHISTLERS ON TAPE															
NELCAL	145/	4	3	3	3	10	27	15	53	896	-9	29	-114	1945	2033	149	19
BPOINT	119/	4	4	4	4	10	27	16	7	696	-17	33	-77	2955	3035	177	16
NELCAL	146/	4	4	4	4	10	27	18	14	713	-11	33	-117	2752	2754	354	3
		TM-NOISE INTERFERENCE. WHISTLER ON TAPE.															
BPOINT	120/	4	2	1	1	10	27	18	33	508	-9	25	-76	3638	4062	176	34
		WEAK SIGNALS,POOR S/N.WHISTLER ON TAPE.															
NELCAL	147/	4	3	2	2	10	27	20	39	524	-7	28	-116	3517	3569	172	12
		TM-NOISE INTERFERENCE															
QUITOE	396/	4	5	0	0	10	27	21	2	398	-3	8	-80	3616	3805	352	23
LIMAPU	125/	4	(4)	0	0	10	27	21	5	389	-3	5	-75	3527	4195	6	42
		NO CODED TIME															
AGASTA	322/	0	0	0	0	10	27	21	9	380	-2	0	-70	3373	4677	2	57
ANTGUA	172/	3	0	0	0	10	27	21	15	376	1	-7	-60	3073	4465	177	60
NELCAL	148/	4	2	0	0	10	27	23	9	393	-2	11	-117	3685	4758	180	51
LIMAPU	126/	4	7	6	6	10	27	23	34	446	7	-18	-77	2497	2621	179	21
QUITOE	397/	0	(8)	0	0	10	27	23	36	462	9	-20	-73	2350	3535	164	59
AGASTA	323/	4	5	5	5	10	27	23	38	480	10	-23	-68	2198	2215	61	8
SNTAGO	121/	0	(6)	5	5	10	27	23	38	480	10	-23	-68	2198	2600	12	38
AGASTA	324/	5	5	5	5	10	28	1	59	688	10	-32	-69	1354	1742	171	44
SNTAGO	122/	5	5	5	5	10	28	2	0	698	8	-33	-65	1279	1403	89	27
AGASTA	325/	0	4	4	4	10	28	4	17	851	-8	-32	-70	835	1317	179	55
SNTAGO	123/	4	4	2	2	10	28	4	18	843	-7	-32	-66	782	930	69	35
AGASTA	326/	4	4	4	2	10	28	6	36	901	-11	-21	-67	529	704	41	43
		BAD 100 KC. PINCHED SIGNAL															
QUITOE	398/	0	4	4	4	10	28	8	53	987	6	-6	-77	582	879	161	51
		WHISTLER ON TAPE															
LIMAPU	127/	4	3	2	2	10	28	8	54	993	9	-4	-74	611	1186	24	63
		WHISTLERS ON TAPE.															
WOMERA	299/	3	2	2	2	10	28	10	33	1004	39	-28	140	1874	1953	42	19
		WHISTLER ON TAPE															
ANTGUA	173/	3	3	3	3	10	28	11	20	1004	-26	25	-59	1583	1896	15	38
WOMERA	304/	4	4	4	4	10	28	12	52	1414	43	-33	137	1197	1230	170	15
		BAD 100 KC															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	121/	4	4	4	4	10	28	13	36	934	-24	31	-75	2047	2278	166	30
ANTGUA	174/	3	3	2	2	10	28	13	42	784	-25	33	-58	2504	3302	11	50
WOMERA	305/	4	4	4	4	10	28	15	11	1730	4	-29	141	683	830	56	37
		WHISTLERS ON TAPE															
NELCAL	149/	4	6	6	6	10	28	15	42	945	-7	27	-120	1716	1855	204	25
BPOINT	122/	5	6	6	6	10	28	15	58	707	-18	33	-75	2900	2994	165	17
		BAD 100 KC. PINCHED SIGNAL															
NELCAL	150/	4	5	5	5	10	28	18	5	731	-13	33	-116	2692	2697	48	4
BPOINT	123/	3	2	1	1	10	28	18	24	504	-10	24	-75	3615	4126	172	37
ANTGUA	175/	3	0	0	0	10	28	18	33	422	-7	16	-61	3743	3748	127	4
NELCAL	151/	4	2	0	0	10	28	20	29	533	-8	28	-117	3447	3508	179	13
		TM-CABLE BETWEEN RECEIVERS DISCONNECTED. WHISTLER ON TAPE.															
QUITOE	399/	5	0	0	0	10	28	20	55	380	-3	4	-76	3586	3656	26	14
LIMAPU	128/	2	0	0	0	10	28	20	55	380	-3	4	-76	3586	4200	3	40
AGASTA	327/	0	0	0	0	10	28	21	0	368	-2	-2	-69	3411	4558	3	54
ANTGUA	176/	3	0	0	0	10	28	21	5	364	1	-7	-62	3176	4584	179	60
NELCAL	152/	4	4	3	0	10	28	23	0	385	-3	9	-116	3699	4919	178	54
		BAD TAPE-CODED TIME POOR															
QUITOE	400/	0	3	0	0	10	28	23	24	429	7	-18	-79	2632	3483	180	50
LIMAPU	129/	4	5	4	4	10	28	23	25	436	8	-19	-77	2562	2738	176	25
		WHISTLER ON TAPE															
SNTAGO	124/	0	(4)	2	2	10	28	23	26	444	8	-20	-74	2490	3040	344	42
AGASTA	328/	4	5	5	5	10	28	23	30	481	10	-25	-65	2190	2269	105	18
AGASTA	329/	0	3	3	3	10	29	1	50	673	9	-33	-68	1421	1821	170	44
SNTAGO	125/	4	4	4	4	10	29	1	50	673	9	-33	-68	1421	1441	79	11
AGASTA	330/	0	5	5	5	10	29	4	9	827	-6	-31	-66	828	1290	156	54
SNTAGO	126/	4	5	5	5	10	29	4	9	827	-6	-31	-66	828	963	64	33
		TM-SIGNAL LEVEL FLUCTUATES. BAD 100 KC															
AGASTA	331/	4	4	1	1	10	29	6	28	890	-4	-18	-65	527	1024	44	63
		WHISTLERS ON TAPE															
WOMERA	306/	0	0	0	0	10	29	7	58	534	17	-11	139	3059	4094	7	53
		TM-OUT OF RANGE															
QUITOE	401/	4	4	4	4	10	29	8	45	1012	13	-3	-75	585	803	121	46
LIMAPU	130/	2	6	4	4	10	29	8	45	1012	13	-3	-75	585	1205	17	66
		WHISTLERS ON TAPE.															
WOMERA	307/	4	4	4	4	10	29	10	23	950	36	-28	138	2023	2073	15	15
		POOR 100 KC ONE SIGNAL															
ANTGUA	177/	4	4	4	4	10	29	11	11	1042	-28	26	-59	1516	1893	14	42
WOMERA	308/	4	4	4	4	10	29	12	43	1378	41	-33	137	1261	1295	166	14
		WHISTLER ON TAPE															
BPOINT	124/	4	0	0	0	10	29	13	27	964	-26	31	-74	1977	2194	161	30
ANTGUA	178/	3	0	0	0	10	29	13	32	829	-28	33	-60	2364	3166	6	50
WOMERA	309/	4	4	4	4	10	29	15	1	1676	15	-30	136	768	793	340	15
		WHISTLERS ON TAPE															
NELCAL	153/	4	4	4	4	10	29	15	35	964	-11	30	-113	1805	1881	128	19
BPOINT	125/	4	1	1	1	10	29	15	48	739	-20	33	-76	2778	2870	175	18
NELCAL	154/	6	3	2	2	10	29	17	57	735	-14	33	-112	2699	2759	80	14
BPOINT	126/	6	0	0	0	10	29	18	13	522	-11	25	-77	3529	4015	181	36
		NO CODED TIME															
ANTGUA	179/	3	0	0	0	10	29	18	23	422	-9	16	-61	3733	3739	161	4
NELCAL	155/	6	6	0	0	10	29	20	25	490	-8	23	-107	3586	4031	134	35
		TM-WEAK SIGNAL LEVEL															
QUITOE	402/	4	0	0	0	10	29	20	43	379	-4	6	-80	3677	3780	348	17
LIMAPU	131/	2	0	0	0	10	29	20	45	372	-4	3	-77	3635	4200	0	38

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	332/	0	0	0	0	10	29	20	50	358	-2	-2	-70	3484	4569	1	52
NELCAL	156/	4	1	0	0	10	29	22	50	379	-3	9	-117	3723	4997	180	55
		TM-VERY WEAK SIGNAL															
LIMAPU	132/	4	7	6	6	10	29	23	16	428	8	-20	-76	2625	2862	173	28
QUITOE	403/	0	(0)	0	0	10	29	23	17	436	8	-21	-74	2554	3782	168	59
SNTAGO	127/	0	4	2	2	10	29	23	19	453	9	-24	-70	2408	2714	6	33
AGASTA	333/	4	6	2	2	10	29	23	19	453	9	-24	-70	2408	2410	89	2
SNTAGO	128/	4	4	2	2	10	30	1	41	658	9	-33	-68	1489	1514	86	12
AGASTA	334/	0	0	0	0	10	30	1	42	667	9	-33	-64	1412	1947	153	49
AGASTA	335/	1	1	1	1	10	30	4	0	811	-5	-31	-67	877	1288	156	51
SNTAGO	129/	0	1	0	0	10	30	4	0	811	-5	-31	-67	877	1006	58	31
AGASTA	336/	4	4	1	1	10	30	6	18	894	-6	-19	-69	557	748	14	44
		WHISTLER ON TAPE															
WOMERA	310/	0	0	0	0	10	30	7	53	608	20	-17	147	2871	3635	35	47
QUITOE	404/	4	3	3	3	10	30	8	36	1030	17	-2	-75	562	700	119	38
		WHISTLER ON TAPE															
WOMERA	311/	4	4	4	4	10	30	10	13	900	34	-28	136	2170	2221	345	14
		WHISTLER ON TAPE															
WOMERA	312/	4	3	3	3	10	30	12	35	1381	37	-33	142	1252	1373	122	27
BPOINT	127/	4	4	4	4	10	30	13	17	1022	-26	31	-77	1828	2043	177	30
ANTGUA	180/	3	1	0	0	10	30	13	22	878	-30	33	-62	2221	3039	1	52
WOMERA	313/	4	4	4	4	10	30	14	52	1634	16	-29	136	813	853	336	19
		WHISTLERS ON TAPE															
NELCAL	157/	4	4	4	4	10	30	15	25	1009	-10	30	-116	1655	1699	160	15
BPOINT	128/	4	3	3	3	10	30	15	39	752	-22	33	-75	2719	2830	164	19
NELCAL	158/	4	4	4	4	10	30	17	47	767	-15	33	-113	2568	2601	77	11
		BAD 100 KC															
BPOINT	129/	4	4	2	2	10	30	18	4	519	-12	23	-76	3499	4074	177	39
QUITOE	405/	2	0	0	0	10	30	18	5	507	-12	22	-75	3533	4785	9	55
ANTGUA	181/	3	0	0	0	10	30	18	14	413	-9	14	-60	3726	3754	156	9
NELCAL	159/	4	3	1	1	10	30	20	14	506	-10	23	-109	3493	3844	141	31
		TM-RECEIVER DRIFTED OFF FREQ.															
QUITOE	406/	4	1	0	0	10	30	20	35	365	-4	3	-78	3675	3706	13	9
LIMAPU	133/	3	2	0	0	10	30	20	36	361	-3	2	-76	3655	4106	3	35
AGASTA	337/	0	0	0	0	10	30	20	41	348	-2	-4	-69	3516	4453	3	49
NELCAL	160/	4	0	0	0	10	30	22	43	366	-2	5	-113	3710	5366	172	62
LIMAPU	134/	4	6	3	3	10	30	23	7	421	7	-22	-75	2686	2991	171	31
AGASTA	338/	4	4	4	4	10	30	23	10	445	9	-25	-69	2474	2483	130	6
SNTAGO	130/	0	6	4	4	10	30	23	10	445	9	-25	-69	2474	2719	11	29
AGASTA	339/	0	(4)	3	3	10	31	1	31	634	9	-33	-71	1634	2000	184	40
SNTAGO	131/	4	4	4	4	10	31	1	31	634	9	-33	-71	1634	1635	319	2
AGASTA	340/	0	(2)	3	3	10	31	3	50	797	-4	-31	-71	989	1352	182	47
SNTAGO	132/	4	4	4	4	10	31	3	51	793	-3	-30	-67	927	1056	52	31
AGASTA	341/	4	2	1	1	10	31	6	10	886	1	-17	-66	552	1044	29	62
		WHISTLERS ON TAPE															
QUITOE	407/	5	2	1	1	10	31	8	27	1047	21	-2	-76	543	612	115	29
		WHISTLERS ON TAPE															
WOMERA	314/	4	4	0	0	10	31	10	5	918	33	-29	139	2161	2190	47	11
		NO CODED TIME. WHISTLERS ON TAPE.															
ANTGUA	182/	4	3	3	3	10	31	10	53	1120	-33	27	-59	1381	1900	14	49

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	315/	4	3	3	3	10	31	12	26	1344	35	-33	142	1315	1440	119	26
BPOINT	130/	4	3	3	3	10	31	13	9	1027	-31	32	-73	1838	2046	149	30
ANTGUA	183/	4	3	0	0	10	31	13	13	900	-33	33	-61	2154	3001	4	53
		SIGNALS PINCHED															
WOMERA	316/	4	4	4	4	10	31	14	44	1609	10	-27	139	805	949	31	34
		WHISTLERS ON TAPE															
NELCAL	161/	4	4	4	4	10	31	15	17	1035	-13	31	-112	1666	1755	109	21
BPOINT	131/	5	3	3	2	10	31	15	30	764	-24	32	-74	2660	2801	156	22
		BAD 100 KC. SIGNAL WEAK AND PINCHED.															
NELCAL	162/	4	4	3	3	10	31	17	37	802	-17	33	-115	2432	2446	71	7
BPOINT	132/	4	2	0	0	10	31	17	54	529	-13	23	-77	3429	4041	180	41
		BAD CODED TIME															
NELCAL	163/	4	4	4	4	10	31	20	0	559	-11	26	-117	3241	3357	182	19
QUITOE	408/	4	0	0	0	10	31	20	26	355	-4	1	-77	3692	3704	41	6
LIMAPU	135/	5	3	0	0	10	31	20	26	355	-4	1	-77	3692	4099	360	33
AGASTA	342/	0	0	0	0	10	31	20	31	340	-2	-4	-70	3577	4455	0	47
NELCAL	164/	4	0	0	0	10	31	22	31	368	-3	6	-117	3743	5236	180	59
LIMAPU	136/	4	6	5	5	10	31	22	57	407	7	-22	-77	2813	3111	178	31
SNTAGO	133/	0	(6)	4	4	10	31	22	59	421	8	-24	-73	2679	2962	349	30
AGASTA	343/	5	5	4	3	10	31	23	1	438	8	-26	-68	2538	2565	138	10
		PINCHED SIGNAL															
ANTGUA	184/	4	0	0	0	10	31	23	4	466	10	-28	-61	2317	6203	177	93
AGASTA	344/	0	(4)	2	2	11	1	1	23	628	8	-33	-67	1626	2057	164	43
		WHISTLER ON TAPE															
SNTAGO	134/	4	4	4	4	11	1	1	23	628	8	-33	-67	1626	1670	94	15
		WHISTLERS ON TAPE															
AGASTA	345/	0	(4)	3	3	11	1	3	42	775	-3	-30	-67	982	1296	156	44
SNTAGO	135/	4	4	4	4	11	1	3	42	775	-3	-30	-67	982	1115	47	31
AGASTA	346/	4	4	3	3	11	1	6	1	881	5	-16	-67	573	1078	21	62
		WHISTLERS ON TAPE															
WOMERA	317/	0	0	0	0	11	1	7	29	512	14	-13	138	3303	4096	3	46
QUITOE	409/	4	0	0	0	11	1	8	17	1040	21	-3	-81	519	644	216	38
ANTGUA	185/	3	2	2	2	11	1	8	24	1174	0	12	-58	705	995	146	48
		WHISTLERS ON TAPE															
WOMERA	318/	4	3	3	3	11	1	9	55	873	30	-29	137	2306	2321	10	7
ANTGUA	186/	4	2	2	2	11	1	10	44	1160	-35	28	-59	1314	1903	13	52
WOMERA	319/	4	4	3	3	11	1	12	16	1270	36	-33	139	1459	1497	148	14
BPOINT	133/	4	3	2	2	11	1	12	59	1091	-32	32	-75	1689	1873	167	29
		WHISTLERS ON TAPE															
ANTGUA	187/	4	1	1	1	11	1	13	4	922	-34	33	-60	2085	2959	6	54
		WHISTLERS ON TAPE															
WOMERA	320/	4	3	3	3	11	1	14	35	1565	11	-27	139	853	1010	24	35
		COMPLETE DROPOUT AFTER THIRD INTERROGATION. WHISTLERS ON TAPE.															
NELCAL	165/	4	4	4	4	11	1	15	8	1071	-14	32	-112	1596	1697	102	22
		WHISTLERS ON TAPE															
BPOINT	134/	4	2	2	2	11	1	15	20	803	-26	32	-75	2526	2658	167	22
		WHISTLERS ON TAPE															
ANTGUA	188/	X	2	2	2	11	1	15	27	632	-22	28	-59	2990	3364	14	34
		WHISTLER ON TAPE															
NELCAL	166/	4	4	4	4	11	1	17	27	840	-18	33	-117	2290	2292	31	3
QUITOE	410/	4	3	1	1	11	1	17	44	541	-14	22	-78	3349	4599	2	56
		LOW S/N															
BPOINT	135/	4	5	0	0	11	1	17	45	527	-14	22	-76	3392	4107	176	44
		RECORDED 30 IPS. POOR 100 KC															
ANTGUA	189/	4	0	0	0	11	1	17	54	415	-10	13	-62	3671	3720	179	12
NELCAL	167/	4	4	3	3	11	1	19	53	537	-13	23	-112	3295	3574	155	28
QUITOE	411/	4	4	0	0	11	1	20	12	369	-5	5	-83	3744	3871	318	19

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	137/	4	3	0	0	11	1	20	17	346	-4	-1	-77	3706	4014	3	29
		BAD 100 KC															
AGASTA	347/	0	0	0	0	11	1	20	22	332	-2	-6	-70	3602	4344	2	44
LIMAPU	138/	4	4	0	0	11	1	22	48	401	7	-23	-76	2870	3240	174	34
		SIGNALS PINCHED EXCESSIVELY															
SNTAGO	136/	0	(1)	1	1	11	1	22	50	415	8	-25	-72	2739	2955	353	27
		TM-SILENT PERIOD															
AGASTA	348/	4	4	2	2	11	1	22	47	395	6	-22	-78	2933	3091	282	22
AGASTA	349/	0	(3)	2	2	11	2	1	14	613	8	-33	-66	1695	2134	162	43
SNTAGO	137/	4	4	3	3	11	2	1	14	613	8	-33	-66	1695	1753	96	17
		WHISTLERS ON TAPE															
AGASTA	350/	0	(3)	4	4	11	2	3	33	756	-1	-30	-67	1038	1307	155	41
SNTAGO	138/	4	4	3	3	11	2	3	33	756	-1	-30	-67	1038	1181	42	31
LIMAPU	139/	2	2	2	2	11	2	5	51	874	2	-18	-72	629	1123	138	60
AGASTA	351/	4	5	3	3	11	2	5	52	876	7	-16	-68	597	1130	15	62
QUITOE	412/	5	1	1	1	11	2	8	10	1102	30	2	-75	530	731	54	46
ANTGUA	190/	4	3	3	3	11	2	8	15	1210	2	13	-59	668	887	148	44
		WHISTLER ON TAPE															
WOMERA	322/	5	3	0	0	11	2	9	46	859	28	-30	138	2373	2382	42	6
		SIGNALS TOO PINCHED TO READ. WHISTLER ON TAPE.															
ANTGUA	191/	3	2	2	2	11	2	10	35	1199	-37	29	-59	1250	1910	13	55
WOMERA	323/	4	4	3	3	11	2	12	7	1235	33	-33	139	1526	1567	140	15
		WHISTLER ON TAPE															
BPOINT	136/	4	4	0	0	11	2	12	50	1125	-34	32	-75	1620	1797	162	29
		30 IPS,100 KC BAD															
ANTGUA	192/	4	1	1	1	11	2	12	55	944	-37	33	-59	2016	2916	9	55
WOMERA	324/	4	4	4	4	11	2	14	26	1520	12	-26	138	903	1081	18	36
		WHISTLERS ON TAPE															
NELCAL	168/	4	4	0	0	11	2	14	58	1119	-12	31	-115	1450	1480	122	13
		NO CODED TIME ON TAPE . WHISTLERS ON TAPE.															
ANTGUA	193/	3	1	1	0	11	2	15	17	659	-24	28	-60	2875	3233	10	33
		SIGNAL POOR															
NELCAL	169/	4	4	4	4	11	2	17	18	861	-19	33	-115	2224	2230	72	5
		WHISTLERS ON TAPE															
BPOINT	137/	4	4	0	0	11	2	17	35	539	-15	21	-77	3308	4064	179	45
QUITOE	413/	4	5	2	2	11	2	17	36	524	-15	20	-75	3354	4423	9	52
ANTGUA	194/	3	0	0	0	11	2	17	45	407	-10	11	-61	3653	3747	172	16
		TM-INTERR. UNSUCCESSFUL															
NELCAL	170/	4	4	0	0	11	2	19	42	564	-14	24	-115	3149	3372	169	26
		NO CODED TIME ON TAPE															
QUITOE	414/	4	5	0	0	11	2	20	7	342	-4	-1	-77	3728	3735	121	4
LIMAPU	140/	4	4	0	0	11	2	20	8	338	-4	-2	-76	3718	3941	8	25
SNTAGO	139/	0	0	0	0	11	2	20	12	326	-2	-7	-70	3649	5161	1	60
AGASTA	352/	0	0	0	0	11	2	20	13	324	-1	-8	-69	3625	4242	5	40
SNTAGO	140/	0	6	0	0	11	2	22	38	389	7	-23	-77	2986	3360	329	34
LIMAPU	141/	4	6	6	6	11	2	22	39	396	6	-24	-75	2925	3372	171	37
		BAD 100 KC															
AGASTA	353/	7	5	3	3	11	2	22	39	396	6	-24	-75	2925	2987	262	14
		TM-LAST 3 INTERR. WITHOUT USE OF AUTOMATIC TIMER															
AGASTA	354/	0	0	0	0	11	3	1	4	590	8	-33	-69	1843	2223	174	39
SNTAGO	141/	5	5	5	5	11	3	1	5	598	7	-33	-66	1764	1840	96	19
SNTAGO	142/	4	4	4	4	11	3	3	23	738	-1	-30	-71	1165	1224	359	19
		WHISTLERS ON TAPE															
AGASTA	355/	0	(5)	2	2	11	3	3	24	737	0	-29	-67	1096	1322	153	37
LIMAPU	142/	4	4	1	1	11	3	5	42	864	5	-17	-72	660	1053	138	55
AGASTA	356/	0	(0)	0	0	11	3	5	43	869	10	-15	-69	623	1197	9	63
WOMERA	325/	0	0	0	0	11	3	7	10	507	12	-15	138	3425	4048	3	41

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
QUITOE	415/	4	2	2	2	11	3	8	1	1118	33	3	-76	519	709	38	45
ANTGUA	195/	3	3	0	0	11	3	8	6	1244	5	14	-60	634	786	151	38
		BAD CODED TIME. WHISTLER ON TAPE.															
WOMERA	326/	0	0	0	0	11	3	9	37	846	26	-31	139	2438	2451	75	7
ANTGUA	196/	3	0	0	0	11	3	10	26	1239	-39	29	-59	1187	1920	12	58
		TM-INTERR. UNSUCCESSFUL															
WOMERA	327/	4	3	1	1	11	3	11	58	1200	32	-33	140	1594	1639	132	15
		WHISTLER ON TAPE															
BPOINT	138/1	4	3	3	3	11	3	12	41	1160	-36	33	-74	1552	1727	157	29
ANTGUA	197/	4	3	1	1	11	3	12	46	966	-39	33	-58	1948	2871	12	56
WOMERA	328/	4	4	4	4	11	3	14	17	1475	12	-26	138	954	1161	13	38
		WHISTLERS ON TAPE															
NELCAL	171/	4	3	3	3	11	3	14	51	1128	-18	33	-107	1538	1842	86	38
		WHISTLERS ON TAPE															
ANTGUA	198/	4	3	3	3	11	3	15	7	689	-26	28	-61	2753	3101	4	33
NELCAL	172/	4	4	4	4	11	3	17	9	883	-22	33	-114	2157	2174	87	8
		WHISTLERS ON TAPE															
BPOINT	138/2	6	0	0	0	11	3	17	25	554	-17	21	-78	3218	4018	182	47
QUITOE	416/	4	0	0	0	11	3	17	27	520	-15	19	-74	3315	4282	12	50
ANTGUA	199/	4	0	0	0	11	3	17	35	410	-11	11	-62	3609	3722	179	18
NELCAL	173/	4	4	4	4	11	3	19	33	565	-15	23	-114	3102	3400	165	30
		WHISTLER ON TAPE															
QUITOE	417/	4	3	0	0	11	3	19	57	338	-4	-2	-78	3742	3749	156	4
LIMAPU	143/	4	2	0	0	11	3	19	58	334	-4	-3	-77	3736	3926	4	23
AGASTA	357/	0	0	0	0	11	3	20	3	319	-1	-8	-70	3669	4233	2	38
SNTAGO	143/	0	0	0	0	11	3	20	4	318	-1	-10	-68	3647	4910	6	55
LIMAPU	144/	0	0	0	0	11	3	22	30	391	6	-25	-74	2980	3509	169	39
QUITOE	418/	0	0	0	0	11	3	22	31	397	7	-26	-72	2918	4553	167	65
AGASTA	358/	X	0	0	0	11	3	22	32	404	7	-27	-70	2855	2890	176	11
SNTAGO	144/	0	0	0	0	11	3	22	32	404	7	-27	-70	2855	2973	6	20
AGASTA	359/	0	(4)	0	0	11	4	0	55	575	8	-33	-68	1912	2295	170	39
SNTAGO	145/	4	4	4	4	11	4	0	55	575	8	-33	-68	1912	1931	99	9
SNTAGO	146/	3	4	4	4	11	4	3	15	718	1	-29	-67	1156	1334	34	33
		WHISTLERS ON TAPE															
AGASTA	360/	0	4	4	4	11	4	3	16	719	2	-27	-64	1086	1378	124	42
LIMAPU	145/	4	2	2	2	11	4	5	32	851	3	-18	-76	742	1058	172	49
		WHISTLER ON TAPE															
WOMERA	330/	0	0	0	0	11	4	6	57	471	9	-13	132	3593	4428	346	46
QUITOE	419/	4	3	3	3	11	4	7	52	1130	38	3	-77	513	715	23	46
		WHISTLER ON TAPE															
ANTGUA	200/	3	3	3	3	11	4	7	57	1276	7	14	-61	605	700	158	32
WOMERA	331/	7	(3)	2	2	11	4	9	29	857	25	-32	143	2428	2516	98	18
		CODED TIME BAD ON THREE SIGS. WHISTLERS ON TAPE															
ANTGUA	201/	3	0	0	0	11	4	10	17	1279	-41	30	-59	1126	1928	12	61
WOMERA	332/	4	4	3	3	11	4	11	48	1134	32	-33	137	1741	1761	179	10
		WHISTLERS ON TAPE															
BPOINT	139/	4	4	4	4	11	4	12	32	1195	-38	33	-74	1484	1662	152	30
ANTGUA	202/	3	1	0	0	11	4	12	36	1031	-42	33	-60	1799	2729	5	57
WOMERA	333/	4	4	4	4	11	4	14	8	1429	12	-25	138	1009	1248	10	39
		WHISTLER ON TAPE															
NELCAL	174/	4	4	4	4	11	4	14	40	1194	-13	32	-114	1319	1358	100	15
		WHISTLERS ON TAPE															
BPOINT	140/	0	0	0	0	11	4	14	56	752	-29	29	-65	2554	3173	130	44
ANTGUA	203/	4	2	2	2	11	4	14	58	694	-28	27	-60	2694	2997	10	31

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
NELCAL	175/	4	4	4	4	11	4	17	0	904	-23	32	-114	2089	2122	95	12
		WHISTLERS ON TAPE															
BPOINT	141/	3	4	0	0	11	4	17	16	552	-18	19	-77	3172	4092	179	50
		15 IPS,NO 100 KC. WHISTLER ON TAPE															
QUITOE	420/	3	3	0	0	11	4	17	18	517	-16	17	-73	3274	4145	16	48
ANTGUA	204/	4	0	0	0	11	4	17	26	403	-11	9	-61	3585	3764	174	22
NELCAL	176/	4	4	4	4	11	4	19	23	582	-16	22	-115	2993	3305	171	31
LIMAPU	146/	4	2	0	0	11	4	19	48	332	-4	-4	-77	3745	3905	360	21
QUITOE	421/	5	3	0	0	11	4	19	49	328	-4	-5	-76	3742	3810	148	14
AGASTA	361/	0	0	0	0	11	4	19	54	314	-2	-10	-69	3686	4140	6	35
LIMAPU	147/	4	5	2	2	11	4	22	20	381	5	-26	-75	3089	3615	173	39
AGASTA	362/	6	4	3	3	11	4	22	20	381	5	-26	-75	3089	3159	246	15
SNTAGO	147/	4	4	3	3	11	4	22	25	413	8	-29	-64	2782	2914	56	21
		CODED TIME MAY BE BAD															
AGASTA	363/	0	4	4	4	11	5	0	46	561	7	-33	-67	1981	2367	166	39
		TWO SIGNALS PINCHED															
SNTAGO	148/	4	4	4	4	11	5	0	46	561	7	-33	-67	1981	2014	97	12
		BAD CODED TIME															
AGASTA	364/	0	4	3	3	11	5	3	5	698	1	-29	-71	1290	1447	182	30
		WHISTLER ON TAPE															
SNTAGO	149/	4	4	3	3	11	5	3	6	699	2	-28	-67	1217	1421	31	34
		BAD CODED TIME. WHISTLER ON TAPE.															
AGASTA	365/	0	2	1	1	11	5	5	23	837	6	-17	-77	784	1293	314	57
		WHISTLERS ON TAPE															
LIMAPU	148/	4	4	3	3	11	5	5	24	843	10	-15	-74	735	947	137	42
		THREE PINCHED SIGNALS. WHISTLERS ON TAPE.															
WOMERA	334/	4	4	3	3	11	5	6	51	506	10	-17	138	3527	4001	3	36
QUITOE	423/	4	3	2	2	11	5	7	43	1141	42	4	-78	512	749	9	49
		WHISTLERS ON TAPE															
ANTGUA	205/	4	3	3	3	11	5	7	49	1316	1	17	-68	609	743	91	37
		WHISTLERS ON TAPE															
WOMERA	335/	5	4	4	4	11	5	9	18	797	22	-31	139	2635	2643	96	5
WOMERA	336/	5	4	3	3	11	5	11	40	1132	28	-33	141	1730	1792	115	17
BPOINT	142/	4	4	0	0	11	5	12	22	1268	-37	33	-77	1342	1504	178	30
		WHISTLER ON TAPE															
ANTGUA	206/	4	1	0	0	11	5	12	27	1056	-45	33	-59	1731	2674	7	58
WOMERA	337/	4	4	4	4	11	5	13	59	1383	12	-24	138	1066	1342	7	41
		WHISTLER ON TAPE															
NELCAL	177/	4	4	4	4	11	5	14	31	1231	-13	32	-114	1255	1302	93	17
		WHISTLERS ON TAPE															
BPOINT	143/	4	4	3	3	11	5	14	43	895	-35	31	-74	2190	2429	161	30
		WHISTLERS ON TAPE															
ANTGUA	207/	3	0	0	0	11	5	14	48	729	-30	27	-61	2563	2861	2	32
NELCAL	178/	4	4	3	3	11	5	16	50	950	-24	32	-116	1942	1947	102	5
BPOINT	144/	4	2	0	0	11	5	17	7	550	-18	18	-76	3125	4176	177	53
QUITOE	424/	5	3	0	0	11	5	17	9	514	-17	16	-73	3231	4012	20	46
ANTGUA	208/	3	0	0	0	11	5	17	16	408	-12	8	-62	3526	3732	180	24
NELCAL	179/	4	4	4	4	11	5	19	13	602	-17	22	-116	2878	3207	177	32
		SECOND SIGNAL WITH POOR RISE TIME															
QUITOE	425/	4	4	0	0	11	5	19	39	326	-4	-6	-77	3746	3823	158	14
LIMAPU	149/	3	4	0	0	11	5	19	39	326	-4	-6	-77	3746	3845	6	16
		WHISTLERS ON TAPE															
AGASTA	366/	0	0	0	0	11	5	19	44	311	-2	-11	-70	3715	4124	3	33
QUITOE	426/	0	(5)	0	0	11	5	22	9	367	5	-25	-78	3242	4633	179	59
AGASTA	367/	4	7	0	0	11	5	22	10	372	5	-26	-76	3191	3286	246	17
		WHISTLER ON TAPE															
LIMAPU	150/	3	6	4	4	11	5	22	10	372	5	-26	-76	3191	3722	176	39
		SIGNALS OF LONG DURATION AND UNUSUAL SOUNDS. PROBABLY UNRELIABLE. WHISTLERS ON TAPE.															
SNTAGO	150/	0	6	2	2	11	5	22	15	401	7	-30	-66	2902	3000	51	18
		WHISTLERS ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	368/	0	(4)	2	2	11	6	0	38	553	7	-33	-63	1970	2447	149	42
SNTAGO	151/	4	4	4	4	11	6	0	38	553	7	-33	-63	1970	2121	93	25
		WHISTLERS ON TAPE															
AGASTA	369/	0	(1)	1	1	11	6	2	57	680	3	-27	-67	1279	1400	142	26
SNTAGO	152/	3	3	2	2	11	6	2	57	680	3	-27	-67	1279	1514	29	36
		WHISTLER ON TAPE															
LIMAPU	151/	4	4	1	1	11	6	5	15	831	13	-15	-74	777	916	136	34
AGASTA	370/	0	(3)	0	0	11	6	5	28	1119	6	14	-32	540	5902	52	111
		NO RECORDING LAST HALF OF TAPE															
WOMERA	339/	0	0	0	0	11	6	6	44	532	11	-21	142	3488	3818	25	30
QUITOE	427/	4	1	1	1	11	6	7	35	1195	44	7	-76	511	1080	22	66
ANTGUA	209/	3	2	2	2	11	6	7	40	1347	3	18	-59	583	679	79	32
		WHISTLERS ON TAPE															
WOMERA	340/	4	4	4	4	11	6	9	8	765	20	-31	137	2763	2764	117	2
WOMERA	341/	5	4	2	2	11	6	11	30	1071	27	-33	138	1878	1896	141	9
BPOINT	145/	4	4	4	4	11	6	12	14	1266	-44	33	-73	1352	1548	144	32
WOMERA	342/	5	4	4	4	11	6	13	50	1337	12	-24	138	1124	1444	6	43
		WHISTLERS ON TAPE															
NELCAL	180/	4	4	4	4	11	6	14	22	1268	-13	33	-113	1193	1249	87	19
BPOINT	146	4	3	2	2	11	6	14	33	948	-37	31	-76	2045	2272	173	30
		BAD 100 KC															
ANTGUA	210/	4	2	2	2	11	6	14	39	736	-32	26	-60	2501	2751	8	29
NELCAL	181/	4	4	2	2	11	6	16	41	973	-26	32	-115	1873	1888	109	8
		WHISTLERS ON TAPE															
QUITOE	428/	4	5	3	3	11	6	16	58	548	-19	16	-75	3077	3872	11	47
BPOINT	147/	3	2	0	0	11	6	16	58	548	-19	16	-75	3077	4270	175	56
ANTGUA	211/	4	2	0	0	11	6	17	7	402	-12	7	-61	3497	3788	176	28
NELCAL	182/	4	4	3	3	11	6	19	4	605	-19	21	-116	2823	3238	173	36
LIMAPU	152/	4	2	0	0	11	6	19	29	325	-4	-6	-77	3742	3819	360	15
QUITOE	429/	0	2	0	0	11	6	19	30	321	-4	-7	-76	3746	3883	158	19
AGASTA	371/	0	0	0	0	11	6	19	32	314	-3	-9	-73	3746	4253	349	36
SNTAGO	153/	0	0	0	0	11	6	19	36	305	-1	-13	-67	3714	4633	10	48
LIMAPU	153/	0	4	3	3	11	6	22	4	384	6	-29	-69	3074	3998	157	50
		TM-S/N LOW															
AGASTA	372/	0	4	3	3	11	6	22	4	384	6	-29	-69	3074	3167	167	17
SNTAGO	154/	4	4	3	3	11	6	22	5	390	6	-30	-67	3016	3088	46	15
		BAD CODED TIME															
AGASTA	373/	0	(4)	0	0	11	7	0	27	526	6	-33	-68	2194	2540	171	36
SNTAGO	155/	4	4	4	4	11	7	0	27	526	6	-33	-68	2194	2209	98	8
		WHISTLERS ON TAPE															
AGASTA	374/	4	3	3	3	11	7	2	47	658	3	-28	-70	1419	1505	179	22
		OTHER SIGNAL PINCHED. WHISTLERS ON TAPE															
SNTAGO	156/	0	(4)	3	3	11	7	2	47	658	3	-28	-70	1419	1570	5	28
		POOR 100 KC. WHISTLER ON TAPE															
LIMAPU	154/	5	4	4	4	11	7	5	5	808	11	-16	-78	878	1005	190	31
		WHISTLERS ON TAPE															
WOMERA	343/	0	0	0	0	11	7	6	32	507	9	-20	138	3611	3957	5	31
ANTGUA	212/	3	1	1	1	11	7	7	33	1376	-15	22	-52	619	1342	60	68
WOMERA	344/	6	3	3	3	11	7	8	59	755	18	-32	139	2820	2829	118	6
WOMERA	345/	6	4	4	1	11	7	11	21	1041	25	-32	139	1946	1969	123	10
BPOINT	148/	4	4	4	4	11	7	12	4	1343	-42	33	-76	1215	1371	172	30
		BAD 100 KC															
WOMERA	347/	4	4	4	4	11	7	13	42	1302	8	-21	141	1113	1671	20	54
		WHISTLER ON TAPE															
NELCAL	183/	4	4	4	4	11	7	14	12	1313	-8	32	-117	1064	1064	186	1

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	149	4	4	3	3	11	7	14	24	967	-39	30	-75	1977	2251	169	33
		WEAK SIGNALS, BAD 100 KC															
ANTGUA	213/	3	3	3	3	11	7	14	30	742	-34	25	-60	2438	2645	14	27
		WHISTLER ON TAPE															
NELCAL	184/	4	4	4	4	11	7	16	32	996	-27	31	-114	1805	1835	114	12
QUITOE	430/	3	3	2	2	11	7	16	48	567	-21	16	-76	2968	3736	7	47
		BAD 100 KC															
BPOINT	150	3	3	3	3	11	7	16	48	567	-21	16	-76	2968	4208	178	57
		BAD 100 KC. POOR SIGNALS															
ANTGUA	214/	4	1	0	0	11	7	16	58	396	-13	5	-60	3465	3857	174	33
NELCAL	185/	4	4	4	4	11	7	18	54	628	-20	21	-117	2699	3135	179	37
LIMAPU	155/	3	3	2	2	11	7	19	19	325	-4	-7	-78	3728	3788	352	13
		100 KC SPOTTY															
QUITOE	431/	0	1	0	0	11	7	19	19	325	-4	-7	-78	3728	3836	173	17
AGASTA	375/	0	0	0	0	11	7	19	25	305	-1	-13	-69	3741	4020	5	27
SNTAGO	157/	0	0	0	0	11	7	19	30	302	0	-18	-62	3680	4381	29	42
LIMAPU	156/	0	0	0	0	11	7	21	51	361	5	-27	-76	3326	3947	175	41
AGASTA	376/	0	(4)	0	0	11	7	21	54	375	5	-29	-70	3177	3270	175	17
SNTAGO	158/	4	4	4	4	11	7	21	55	380	6	-30	-68	3123	3175	40	13
		WHISTLERS ON TAPE															
AGASTA	377/	0	(3)	1	1	11	8	0	18	512	6	-33	-67	2260	2604	165	35
SNTAGO	159/	4	4	3	3	11	8	0	18	512	6	-33	-67	2260	2290	94	11
AGASTA	378/	4	4	2	2	11	8	2	38	639	3	-27	-70	1484	1542	175	17
SNTAGO	160/	0	(4)	3	3	11	8	2	38	639	3	-27	-70	1484	1670	6	31
LIMAPU	157/	5	4	4	4	11	8	4	57	806	17	-13	-75	868	907	127	18
WOMERA	348/	0	0	0	0	11	8	6	22	505	8	-20	137	3657	3968	2	29
ANTGUA	215/	4	4	4	4	11	8	7	23	1410	-3	21	-57	564	914	52	55
		WHISTLERS ON TAPE,SIGNALS SLIGHTLY PINCHED															
WOMERA	350/	3	0	0	0	11	8	8	49	727	17	-32	138	2938	2942	145	3
WOMERA	351/	4	3	1	1	11	8	11	12	1011	23	-32	140	2013	2046	108	12
BPOINT	151	4	4	4	4	11	8	11	55	1380	-44	33	-76	1154	1311	169	31
		BAD 100 KC															
WOMERA	352/	4	4	4	4	11	8	13	32	1245	11	-22	137	1245	1666	3	46
		WHISTLERS ON TAPE															
NELCAL	186/	4	4	4	4	11	8	14	4	1341	-14	33	-113	1074	1152	80	23
		WHISTLERS ON TAPE															
BPOINT	152/	4	4	1	1	11	8	14	15	985	-41	29	-75	1909	2239	166	36
		BAD 100 KC															
ANTGUA	216/	3	2	0	0	11	8	14	20	785	-37	25	-61	2299	2501	3	27
NELCAL	187/	4	4	4	4	11	8	16	23	1019	-29	31	-114	1737	1788	118	15
		BAD 100 KC. PINCHED SIGNALS															
QUITOE	432/	3	5	4	4	11	8	16	38	589	-23	16	-78	2852	3601	4	47
BPOINT	153/	3	2	0	0	11	8	16	39	566	-22	15	-76	2916	4307	177	60
		BAD 100 KC															
ANTGUA	217/	4	2	0	0	11	8	16	49	390	-12	3	-60	3432	3940	172	37
NELCAL	188/	4	0	0	0	11	8	18	45	631	-21	19	-116	2640	3174	177	41
LIMAPU	158/	4	3	0	0	11	8	19	8	332	-5	-7	-80	3689	3776	332	16
QUITOE	433/	0	(3)	0	0	11	8	19	9	327	-5	-8	-78	3705	3835	179	19
AGASTA	379/	0	0	0	0	11	8	19	15	305	-2	-14	-70	3748	3993	2	26
SNTAGO	161/	0	0	0	0	11	8	19	15	305	-2	-14	-70	3748	4620	2	47
LIMAPU	159/	0	0	0	0	11	8	21	41	355	4	-28	-76	3408	4043	178	41
SNTAGO	162/	3	3	0	0	11	8	21	45	372	4	-30	-68	3222	3260	34	11
AGASTA	380/	0	4	2	2	11	8	21	46	376	6	-31	-66	3170	3349	153	23

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	160/	0	3	0	0	11	9	0	5	430	4	-33	-77	2619	3368	180	59
		TM-S/N LOW															
AGASTA	381/	0	(4)	2	2	11	9	0	5	434	5	-33	-69	2401	2715	174	33
SNTAGO	163/	4	4	3	3	11	9	0	7	439	5	-33	-66	2325	2376	90	14
LIMAPU	161/	0	0	0	0	11	9	2	27	615	2	-28	-76	1709	2686	175	59
AGASTA	382/	4	4	2	2	11	9	2	29	620	4	-26	-70	1550	1585	168	13
		WHISTLERS ON TAPE															
SNTAGO	164/	0	(4)	1	1	11	9	2	29	620	4	-26	-70	1550	1776	7	33
LIMAPU	162/	4	4	4	4	11	9	4	48	773	20	-12	-76	918	932	110	11
		WHISTLERS ON TAPE															
WOMERA	354/	0	0	0	0	11	9	6	13	511	8	-21	138	3676	3917	9	26
ANTGUA	218/	X	2	2	2	11	9	7	14	1437	-1	21	-57	546	894	44	56
		NO TM REPORT. WHISTLERS ON TAPE.															
WOMERA	355/	4	4	4	4	11	9	8	39	703	15	-32	137	3050	3053	189	3
WOMERA	356/	4	4	3	3	11	9	11	2	960	21	-32	138	2159	2165	131	5
BPOINT	154/	4	4	4	4	11	9	11	46	1416	-45	33	-76	1095	1256	166	32
WOMERA	357/	4	4	4	4	11	9	13	24	1210	8	-20	140	1233	1900	16	56
		WHISTLER ON TAPE															
NELCAL	169/	3	3	3	3	11	9	13	56	1362	-20	33	-109	1084	1371	81	41
BPOINT	155/	4	4	4	4	11	9	14	6	1004	-44	29	-74	1842	2236	164	40
		WHISTLERS ON TAPE															
ANTGUA	219/	4	3	3	3	11	9	14	11	733	-39	24	-61	2234	2391	8	24
NELCAL	190/	4	4	4	4	11	9	16	14	1042	-31	30	-113	1670	1746	121	19
QUITOE	434/	3	3	2	2	11	9	16	29	588	-24	14	-77	2797	3443	6	44
ANTGUA	220/	4	2	0	0	11	9	16	39	378	-13	3	-61	3354	3901	175	39
NELCAL	191/	4	4	4	4	11	9	18	35	591	-20	16	-112	2719	3588	163	50
		BAD CODED TIME															
LIMAPU	163/	4	2	1	0	11	9	19	1	319	-4	-10	-76	3708	3715	32	4
		BAD 100 KC,SIGNALS SHORT AND WEAK															
QUITOE	435/	0	(2)	0	0	11	9	19	2	315	-4	-11	-75	3722	4051	161	30
AGASTA	383/	0	1	0	0	11	9	19	5	306	-3	-14	-71	3746	3960	358	24
LIMAPU	164/	3	7	0	0	11	9	21	32	353	4	-29	-75	3443	4157	174	43
		BAD 100 KC															
SNTAGO	165/	4	4	3	3	11	9	21	32	353	4	-29	-75	3443	3539	319	17
AGASTA	384/	0	(2)	0	0	11	9	21	35	364	4	-30	-69	3313	3443	171	20
SNTAGO	166/	4	4	3	2	11	10	0	0	486	5	-33	-65	2389	2468	87	17
AGASTA	385/	0	(4)	1	1	11	10	0	3	501	6	-31	-57	2159	2843	126	48
LIMAPU	165/	6	4	0	0	11	10	2	18	595	3	-28	-75	1776	2669	174	57
SNTAGO	167/	0	9	7	6	11	10	2	19	598	4	-27	-72	1696	1896	348	30
		S/N POOR. SIGNAL PINCHED.															
AGASTA	386/	4	3	2	2	11	10	2	21	606	6	-24	-66	1538	1598	100	18
LIMAPU	167/	4	4	0	0	11	10	4	37	780	22	-11	-76	970	976	61	7
		WEIRD SIGNALS, POOR 100 KC. AMPLITUDE DROPS. WHISTLERS ON TAPE.															
WOMERA	358/	0	0	0	0	11	10	6	3	511	6	-22	138	3708	3920	6	24
ANTGUA	221/	3	3	3	3	11	10	7	5	1460	2	22	-58	531	888	36	56
		WHISTLERS ON TAPE															
WOMERA	359/	4	2	2	2	11	10	8	31	709	14	-33	140	3042	3079	121	11
WOMERA	360/	4	3	3	3	11	10	10	53	932	20	-31	139	2224	2237	102	7
WOMERA	362/	3	3	0	0	11	10	13	15	1165	8	-19	140	1295	2025	14	57
		TM-RECORD RELAY FAILED															
NELCAL	192/	4	4	4	4	11	10	13	46	1410	-14	33	-113	963	1063	77	27
BPOINT	156/	X	0	0	0	11	10	13	56	1069	-47	29	-76	1695	2071	176	40
BPOINT	157/	4	2	2	2	11	10	13	57	1022	-46	28	-73	1774	2241	162	43
		CODED TIME BAD															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	222/	4	3	3	3	11	10	14	2	800	-40	23	-60	2168	2287	15	22
		POSSIBLE RADAR INTERFERENCE															
NELCAL	193/	4	4	4	4	11	10	16	5	1064	-33	30	-117	1603	1710	124	23
QUITOE	436/	4	2	1	1	11	10	16	21	563	-24	12	-75	2807	3294	18	39
ANTGUA	223/	4	2	0	0	11	10	16	29	408	-14	2	-62	3268	3858	179	40
		SIGNALS PINCHED															
NELCAL	194/	4	4	4	4	11	10	18	28	615	-22	15	-113	2590	3471	167	51
QUITOE	437/	0	(3)	0	0	11	10	18	50	327	-5	-10	-78	3656	3887	179	25
LIMAPU	168/	3	3	0	0	11	10	18	51	322	-5	-11	-77	3677	3678	17	2
AGASTA	388/	3	3	1	0	11	10	18	53	313	-3	-13	-74	3711	4020	340	29
LIMAPU	169/	3	(4)	0	0	11	10	21	22	349	2	-29	-76	3513	4241	175	44
SNTAGO	168/	4	7	2	2	11	10	21	25	358	3	-31	-70	3397	3417	20	8
AGASTA	389/	0	5	1	1	11	10	21	25	358	3	-31	-70	3397	3531	175	20
LIMAPU	170/	4	1	0	0	11	10	23	46	453	4	-33	-77	2803	4015	180	58
AGASTA	390/	0	4	1	1	11	10	23	49	465	4	-33	-69	2597	2881	175	31
SNTAGO	169/	1	4	1	1	11	10	23	49	465	4	-33	-69	2597	2602	85	4
LIMAPU	171/	4	3	2	2	11	11	2	11	584	5	-25	-69	1683	2502	150	56
		POOR 100 KC, TAPE FLUTTER															
AGASTA	391/	4	4	4	4	11	11	2	11	584	5	-25	-69	1683	1692	129	7
SNTAGO	170/	0	8	6	6	11	11	2	12	589	7	-23	-66	1604	2077	22	45
QUITOE	438/	0	(4)	1	1	11	11	4	31	791	28	-8	-74	960	1448	150	53
LIMAPU	172/	4	5	1	1	11	11	4	31	791	28	-8	-74	960	1105	44	32
		WHISTLERS ON TAPE															
WOMERA	363/	0	0	0	0	11	11	5	54	517	6	-23	139	3720	3883	15	21
ANTGUA	224/	3	3	3	2	11	11	6	56	1481	4	23	-59	520	895	28	58
		TM-LOST TRACKING WITH TELEMETRY ANTENNA DURING SECOND INTERROGATION.															
WOMERA	364/	4	2	2	2	11	11	8	20	674	13	-33	137	3199	3207	164	5
WOMERA	365/	4	4	4	4	11	11	10	43	887	18	-31	137	2365	2366	136	2
NELCAL	195/	0	0	0	0	11	11	11	13	1501	38	27	-113	568	926	146	55
BPOINT	158/	4	3	2	2	11	11	11	28	1486	-48	33	-75	983	1161	163	35
WOMERA	367/	4	2	2	2	11	11	13	6	1120	8	-18	140	1358	2158	13	58
NELCAL	196/	4	4	4	4	11	11	13	36	1448	-6	33	-117	853	857	19	6
BPOINT	159/	3	0	0	0	11	11	13	47	1090	-49	28	-76	1628	2069	174	44
ANTGUA	225/	4	2	2	2	11	11	13	53	808	-42	21	-60	2102	2189	24	19
NELCAL	197/	4	4	3	3	11	11	15	54	1149	-30	31	-119	1382	1407	219	12
		WHISTLER ON TAPE															
QUITOE	440/	3	3	2	2	11	11	16	11	587	-26	11	-76	2683	3142	12	38
		WHISTLERS ON TAPE															
ANTGUA	226/	4	2	0	0	11	11	16	20	404	-14	0	-61	3226	3947	177	44
NELCAL	198/	4	4	4	2	11	11	18	17	667	-25	16	-117	2383	3169	179	50
		BAD 100 KC. SIGNALS WEAK AND PINCHED															
LIMAPU	173/	5	4	0	0	11	11	18	40	331	-5	-11	-79	3611	3624	299	6
		TM- SIGNALS BELOW NOISE															
QUITOE	441/	0	(4)	0	0	11	11	18	41	326	-5	-12	-78	3637	3957	175	29
		POSSIBLE IOTA															
AGASTA	392/	0	(4)	0	0	11	11	18	46	307	-3	-17	-70	3727	3850	0	18
LIMAPU	174/	0	0	0	0	11	11	21	12	345	2	-29	-76	3574	4320	177	44
AGASTA	393/	0	0	0	0	11	11	21	15	352	3	-31	-70	3471	3613	179	20
SNTAGO	171/	X	0	0	0	11	11	21	15	352	3	-31	-70	3471	3486	11	7
		TM-TRANSMITTER TROUBLE															
LIMAPU	175/	3	3	0	0	11	11	23	37	443	3	-33	-76	2858	4056	176	57

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
SNTAGO	172/	3	4	2	2	11	11	23	40	453	4	-33	-68	2657	2675	80	8
AGASTA	394/	0	(4)	0	0	11	11	23	40	453	4	-33	-68	2657	2929	168	30
QUITOE	442/	0	0	0	0	11	12	2	2	567	6	-24	-69	1750	3555	158	74
		POSSIBLE IOTA INTERFERENCE.															
AGASTA	395/	6	7	2	2	11	12	2	2	567	6	-24	-69	1750	1759	88	6
LIMAPU	176/	3	3	3	3	11	12	2	3	573	7	-22	-66	1670	2499	136	56
SNTAGO	173/	0	6	5	5	11	12	2	3	573	7	-22	-66	1670	2210	22	47
LIMAPU	177/	4	1	1	1	11	12	4	23	810	34	-6	-72	950	1374	42	51
WOMERA	368/	2	0	0	0	11	12	5	44	519	5	-24	139	3740	3878	13	19
ANTGUA	227/	3	0	0	0	11	12	6	47	1498	7	23	-59	514	915	21	59
WOMERA	369/	4	0	0	0	11	12	8	11	667	12	-33	139	3243	3263	137	8
NELCAL	199/	4	4	4	4	11	12	11	10	1518	41	28	-114	549	856	148	53
		WHISTLER ON TAPE															
BPOINT	160/	4	4	4	4	11	12	11	19	1520	-49	33	-75	931	1120	162	36
WOMERA	370/	4	4	4	4	11	12	12	56	1068	9	-18	137	1499	2186	2	53
NELCAL	200/	4	4	4	4	11	12	13	27	1477	-4	33	-117	807	813	15	7
		WHISTLER ON TAPE															
BPOINT	161/	3	3	3	3	11	12	13	38	1110	-51	27	-75	1561	2076	172	47
		WHISTLERS ON TAPE															
ANTGUA	228/	3	0	0	0	11	12	13	43	862	-46	22	-62	1957	2037	1	19
NELCAL	201/	4	4	4	4	11	12	15	46	1142	-34	30	-115	1394	1462	149	19
QUITOE	443/	4	4	4	4	11	12	16	1	614	-28	11	-77	2553	2997	6	38
NELCAL	202/	3	2	2	2	11	12	18	8	671	-26	15	-116	2319	3234	177	54
QUITOE	444/	0	2	0	0	11	12	18	31	331	-6	-12	-78	3588	3943	179	31
AGASTA	396/	0	2	0	0	11	12	18	37	307	-2	-18	-69	3716	3793	10	15
LIMAPU	178/	2	0	0	0	11	12	21	2	342	2	-30	-77	3626	4391	178	44
SNTAGO	174/	4	0	0	0	11	12	21	6	350	3	-32	-69	3502	3518	49	7
AGASTA	397/	0	0	0	0	11	12	21	6	350	3	-32	-69	3502	3676	170	22
LIMAPU	179/	3	0	0	0	11	12	23	27	430	2	-33	-76	2974	4143	179	56
SNTAGO	175/	X	4	0	0	11	12	23	27	430	2	-33	-76	2974	3045	266	15
		WHISTLER ON TAPE															
AGASTA	398/	0	4	3	3	11	12	23	28	432	3	-33	-74	2912	3211	198	30
		WHISTLERS ON TAPE															
LIMAPU	180/	3	3	2	2	11	13	1	51	541	4	-25	-74	1976	2621	166	48
SNTAGO	176/	0	7	2	2	11	13	1	53	551	6	-23	-68	1816	2266	11	42
AGASTA	399/	3	7	0	0	11	13	1	53	551	6	-23	-68	1816	1834	59	9
		WHISTLERS ON TAPE															
QUITOE	445/	0	3	0	0	11	13	4	13	770	31	-6	-75	1069	1358	148	42
		WHISTLERS ON TAPE															
LIMAPU	181/	4	3	0	0	11	13	4	13	770	31	-6	-75	1069	1274	24	36
WOMERA	371/	2	0	0	0	11	13	5	34	522	4	-24	138	3750	3867	10	18
ANTGUA	229/	4	4	4	4	11	13	6	38	1513	9	24	-60	512	947	15	61
		WHISTLER ON TAPE															
WOMERA	372/	4	0	0	0	11	13	8	1	650	10	-33	138	3332	3348	147	7
WOMERA	373/	0	0	0	0	11	13	10	25	838	15	-30	139	2490	2509	68	8
NELCAL	203/	4	4	4	4	11	13	11	1	1532	44	28	-114	534	792	149	50
WOMERA	374/	0	0	0	0	11	13	12	41	943	18	-25	122	2042	2759	291	50
NELCAL	204/	4	4	4	4	11	13	13	18	1505	-3	33	-117	764	771	12	8
BPOINT	162/	0	0	0	0	11	13	13	29	1130	-53	27	-75	1496	2091	171	51
		TM-EQUIPMENT FAILURE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	230/	2	2	0	0	11	13	13	34	371	-48	21	-61	1890	1938	7	15
NELCAL	205/	X	4	4	4	11	13	15	36	1197	-33	30	-118	1257	1303	197	17
QUITOE	446/	4	4	0	0	11	13	15	52	614	-28	10	-77	2492	2850	9	35
NELCAL	206/	4	3	2	2	11	13	17	59	676	-27	14	-116	2255	3308	176	57
LIMAPU	182/	4	4	0	0	11	13	18	21	337	-6	-13	-79	3531	3544	235	6
QUITOE	447/	0	(4)	0	0	11	13	18	22	331	-5	-14	-77	3563	4022	175	35
AGASTA	400/	0	(4)	0	0	11	13	18	27	311	-3	-19	-70	3688	3747	5	13
LIMAPU	183/	0	0	0	0	11	13	20	52	340	1	-30	-77	3669	4456	179	45
AGASTA	401/	0	0	0	0	11	13	20	56	346	2	-32	-69	3565	3744	172	22
SNTAGO	177	X	0	0	0	11	13	20	58	350	2	-32	-65	3477	3564	84	14
LIMAPU	184/	4	6	0	0	11	13	23	17	418	2	-33	-77	3082	4228	180	55
SNTAGO	178/	4	6	5	2	11	13	23	21	427	3	-32	-68	2837	2859	70	9
		SIGNALS WEAK AND PINCHED.															
AGASTA	402/	0	(6)	0	0	11	13	23	21	427	3	-32	-68	2837	3075	166	28
AGASTA	403/	7	4	0	0	11	14	1	45	542	9	-20	-66	1803	1934	53	24
		BAD 100 KC. WHISTLERS ON TAPE															
LIMAPU	185/	0	(4)	2	2	11	14	1	45	542	9	-20	-66	1803	2516	129	52
SNTAGO	179/	0	(4)	3	3	11	14	1	45	542	9	-20	-66	1803	2495	21	51
QUITOE	448/	0	4	0	0	11	14	4	4	760	33	-5	-75	1126	1332	145	35
		WHISTLERS ON TAPE															
LIMAPU	186/	4	4	0	0	11	14	4	4	760	33	-5	-75	1126	1379	17	39
		WHISTLERS ON TAPE															
WOMERA	375/	0	0	0	0	11	14	5	24	526	3	-25	138	3751	3850	8	16
ANTGUA	231/	2	2	2	2	11	14	6	30	1536	-1	26	-56	512	1274	28	71
WOMERA	376/	4	0	0	0	11	14	7	50	627	8	-33	136	3453	3466	206	6
WOMERA	378/	4	2	2	2	11	14	10	16	814	13	-29	140	2550	2592	63	12
NELCAL	207/	4	4	3	3	11	14	10	52	1543	48	29	-115	523	735	151	47
WOMERA	379/	4	4	3	3	11	14	12	34	992	6	-14	140	1551	2597	10	62
		100 KC BAD ON ONE SIGNAL															
NELCAL	208/	4	4	4	4	11	14	13	11	1520	-19	33	-108	824	1206	82	51
		TM-HEAVY INTERFERENCE															
BPOINT	163/	X	3	2	1	11	14	13	21	1045	-55	25	-72	1508	2335	161	57
ANTGUA	232/	3	0	0	0	11	14	13	25	880	-49	19	-61	1823	1847	18	11
NELCAL	209/	4	4	4	4	11	14	15	27	1220	-34	29	-118	1196	1263	191	20
QUITOE	449/	4	7	3	3	11	14	15	43	615	-29	8	-77	2431	2710	13	31
LIMAPU	187/	4	4	0	0	11	14	15	44	586	-28	7	-75	2504	3518	8	55
		NO INTERROGATIONS, HAM STATION ON TAPE.															
NELCAL	210/	4	4	1	1	11	14	17	50	680	-27	12	-115	2190	3388	176	61
QUITOE	450/	0	(0)	0	0	11	14	18	12	338	-6	-15	-78	3502	4002	178	37
LIMAPU	188/	5	4	4	4	11	14	18	12	338	-6	-15	-78	3502	3527	199	8
		WHISTLER ON TAPE															
SNTAGO	180/	0	(4)	0	0	11	14	18	12	338	-6	-15	-78	3502	4432	338	49
AGASTA	404/	0	2	0	0	11	14	18	17	315	-2	-19	-70	3650	3696	359	11
LIMAPU	189/	0	0	0	0	11	14	20	42	339	0	-30	-77	3704	4513	180	45
SNTAGO	181	X	0	0	0	11	14	20	46	342	2	-32	-69	3618	3625	46	4
AGASTA	405/	0	0	0	0	11	14	20	46	342	2	-32	-69	3618	3803	174	23
LIMAPU	190/	5	(0)	0	0	11	14	23	8	408	2	-33	-76	3129	4247	177	54
SNTAGO	182/	4	8	5	4	11	14	23	9	410	2	-33	-73	3072	3089	279	7
		WHISTLERS ON TAPE. BAD 100 KC. S/N POOR.															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	406/	0	(8)	0	0	11	14	23	11	414	2	-32	-69	2953	3171	171	26
LIMAPU	191/	4	8	6	6	11	15	1	32	504	5	-24	-75	2186	2705	171	43
		WHISTLERS ON TAPE															
AGASTA	407/	5	8	4	2	11	15	1	32	504	5	-24	-75	2186	2257	264	17
SNTAGO	183/	0	(5)	5	5	11	15	1	33	509	5	-23	-73	2107	2494	350	38
LIMAPU	192/	4	8	4	4	11	15	3	54	720	30	-6	-78	1258	1431	350	31
		WHISTLERS ON TAPE															
QUITOE	451/	4	8	0	0	11	15	3	55	750	34	-4	-76	1185	1322	141	29
		WHISTLER DURING SIGNAL															
WOMERA	380/	2	2	2	2	11	15	5	16	536	3	-27	141	3752	3830	41	15
WOMERA	381/	4	0	0	0	11	15	7	41	622	8	-33	137	3485	3499	167	6
WOMERA	382/	5	4	3	3	11	15	10	6	779	11	-29	139	2679	2703	49	9
NELCAL	211/	0	0	0	0	11	15	10	43	1551	51	29	-115	516	685	154	43
		TM-SIG. FADED BEFORE INTERR.															
BPOINT	164/	4	4	4	4	11	15	10	52	1612	-49	33	-75	789	1025	162	43
WOMERA	383/	0	0	0	0	11	15	12	30	952	5	-13	140	1616	2755	10	64
NELCAL	212/	4	4	4	4	11	15	13	1	1554	-8	33	-113	731	859	76	34
BPOINT	165/	3	3	3	3	11	15	13	11	1170	-58	25	-75	1367	2142	171	57
ANTGUA	233/	4	1	1	1	11	15	13	16	830	-52	18	-61	1757	1766	40	7
NELCAL	213/	4	4	4	4	11	15	15	18	1242	-35	29	-118	1137	1231	188	25
QUITOE	452/	4	5	2	2	11	15	15	34	615	-29	7	-76	2368	2579	17	28
LIMAPU	193/	2	(2)	1	1	11	15	15	34	615	-29	7	-76	2368	3386	3	56
LIMAPU	194/	4	4	0	0	11	15	18	3	340	-6	-16	-77	3472	3526	182	12
SNTAGO	184/	0	(4)	0	0	11	15	18	7	321	-3	-20	-71	3604	4038	359	34
AGASTA	408/	4	6	3	3	11	15	18	9	315	-3	-22	-68	3655	3679	54	8
LIMAPU	195/	0	(3)	0	0	11	15	20	35	339	1	-32	-72	3683	4677	167	50
SNTAGO	185/	3	3	1	1	11	15	20	36	340	1	-32	-70	3663	3667	45	4
		BAD 100 KC															
AGASTA	409/	0	3	0	0	11	15	20	37	341	1	-33	-68	3640	3859	166	25
LIMAPU	196/	5	(4)	0	0	11	15	22	56	398	1	-33	-76	3226	4318	178	53
SNTAGO	186/	4	7	2	2	11	15	23	1	402	2	-32	-70	3062	3069	39	5
		BAD 100 KC. WHISTLERS ON TAPE															
AGASTA	410/	0	(7)	1	1	11	15	23	1	402	2	-32	-70	3062	3265	176	25
SNTAGO	187/	0	(6)	5	5	11	16	1	24	494	6	-22	-72	2172	2624	353	40
AGASTA	411/	4	4	0	0	11	16	1	24	494	6	-22	-72	2172	2195	318	10
		NO 100 KC															
LIMAPU	197/	5	6	4	4	11	16	1	25	500	7	-21	-70	2093	2545	142	41
		OTHER SIGNAL PINCHED															
QUITOE	453/	5	6	5	6	11	16	3	46	741	35	-3	-76	1245	1329	134	22
LIMAPU	198/	4	(4)	4	4	11	16	3	46	741	35	-3	-76	1245	1623	9	44
ANTGUA	234/	3	2	2	0	11	16	3	52	997	47	8	-59	651	1360	164	56
		BAD 100 KC. SIGNAL PINCHED															
WOMERA	385/	0	0	0	0	11	16	5	4	538	2	-26	137	3727	3795	2	14
WOMERA	386/	4	2	2	2	11	16	7	32	617	7	-33	139	3515	3541	139	9
WOMERA	387/	4	3	3	3	11	16	9	56	747	10	-29	138	2803	2818	27	7
NELCAL	214/	4	4	4	4	11	16	10	34	1556	54	29	-115	513	644	157	39
BPOINT	166/	4	4	4	4	11	16	10	43	1640	-50	33	-75	747	1003	163	45
		TM-OPERATOR ERROR															
WOMERA	389/	3	2	1	1	11	16	12	20	906	6	-14	138	1761	2803	2	60
		WHISTLER ON TAPE.															
NELCAL	215/	4	4	2	2	11	16	12	52	1577	-7	33	-113	694	821	77	34
		BAD 100 KC															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	167/	4	4	4	4	11	16	13	2	1189	-59	24	-75	1305	2178	171	61
ANTGUA	235/	3	1	0	0	11	16	13	7	899	-53	17	-61	1691	1696	90	5
NELCAL	216/	4	4	4	4	11	16	15	9	1263	-36	28	-117	1080	1208	186	29
LIMAPU	199/	4	(4)	2	2	11	16	15	25	616	-30	5	-76	2306	3205	4	53
QUITOE	454/	4	6	3	3	11	16	15	25	616	-30	5	-76	2306	2458	24	24
LIMAPU	200/	3	4	0	0	11	16	17	54	343	-6	-18	-76	3440	3539	173	17
AGASTA	412/	3	3	1	1	11	16	17	58	324	-3	-21	-70	3581	3593	11	6
		S/N PUOR.															
LIMAPU	201/	3	(4)	0	0	11	16	20	23	338	0	-31	-76	3738	4632	176	47
SNTAGO	188/	4	6	2	2	11	16	20	25	338	0	-32	-72	3715	3720	317	4
AGASTA	413/	0	(2)	0	0	11	16	20	26	338	0	-32	-70	3699	3898	178	23
		NO 100 KC															
LIMAPU	202/	5	2	1	1	11	16	22	48	389	0	-33	-77	3316	4384	180	52
		TM-POOR SIGNALS															
AGASTA	414/	0	6	3	3	11	16	22	53	394	1	-31	-66	3052	3250	152	25
		WHISTLER ON TAPE.															
SNTAGO	189/	4	6	3	3	11	16	22	53	394	1	-31	-66	3052	3117	62	14
		POOR 100 KC.															
LIMAPU	203/	4	7	1	1	11	17	1	13	471	4	-23	-76	2388	2795	175	37
		WHISTLERS ON TAPE.															
SNTAGO	190/	0	(7)	2	2	11	17	1	13	471	4	-23	-76	2388	2806	334	38
		WHISTLER ON TAPE.															
AGASTA	415/	4	3	0	0	11	17	1	16	487	8	-19	-69	2158	2230	13	17
		NO 100 K C. WHISTLER ON TAPE															
AGASTA	416/	4	2	0	0	11	17	3	36	701	32	-4	-79	1381	2934	336	73
LIMAPU	204/	4	(4)	0	0	11	17	3	36	701	32	-4	-79	1381	1689	349	39
		SIGNALS FLUTTERED															
QUITOE	/455/	4	7	7	7	11	17	3	36	701	32	-4	-79	1381	1442	181	18
		PINCHED SIGNAL. BAD 100 KC.															
ANTGUA	236/	3	3	3	3	11	17	3	43	993	47	9	-60	899	1303	166	50
		WHISTLERS ON TAPE															
WOMERA	390/	4	0	0	0	11	17	4	55	347	1	-27	138	3717	3763	19	11
NELCAL	217/	4	3	3	3	11	17	10	26	1614	49	31	-111	513	768	108	51
		TM-SIG. GENERATOR LEFT ON DURING PASS.															
BPOINT	168/	4	3	3	3	11	17	10	34	1665	-49	33	-75	709	986	164	47
NELCAL	218/	4	4	4	4	11	17	12	42	1592	5	33	-117	623	632	346	10
ANTGUA	237/	4	2	2	2	11	17	12	58	908	-55	16	-60	1625	1639	132	8
NELCAL	219/	3	2	2	2	11	17	15	1	1245	-40	26	-114	1091	1370	157	41
LIMAPU	205/	4	(4)	0	0	11	17	15	15	650	-33	5	-78	2165	3089	358	55
QUITOE	456/	4	6	3	3	11	17	15	16	617	-30	4	-76	2242	2349	32	20
QUITOE	457/	0	(5)	0	0	11	17	17	44	352	-6	-18	-77	3364	4146	176	46
LIMAPU	206/	4	5	3	0	11	17	17	45	346	-5	-19	-75	3407	3566	168	21
		SIGNALS WEAK, SHORT, PINCHED.															
LIMAPU	207/	4	5	2	2	11	17	20	13	339	-1	-32	-76	3751	4665	177	48
SNTAGO	191/	4	3	0	0	11	17	20	15	337	0	-32,	-72	3737	3742	305	4
AGASTA	417/	0	(8)	0	0	11	17	20	16	337	0	-33	-70	3726	3932	179	24
LIMAPU	208/	6	3	0	0	11	17	22	38	380	0	-33	-78	3398	4442	181	52
		TM-SIGNALS POOR															
SNTAGO	192/	4	7	0	0	11	17	22	41	381	1	-32	-71	3259	3266	350	5
AGASTA	418/	0	5	0	0	11	17	22	42	382	1	-31	-69	3208	3374	170	22
SNTAGO	193/	0	7	2	1	11	18	1	5	462	6	-21	-73	2375	2899	349	42
		BAD CODED TIME															
AGASTA	419/	4	7	0	0	11	18	1	6	468	7	-19	-71	2299	2366	351	16
LIMAPU	209/	4	7	1	1	11	18	1	7	475	8	-18	-69	2222	2586	129	36
LIMAPU	210/	4	(4)	4	4	11	18	3	27	692	33	-3	-79	1444	1830	350	43

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
QUITOE	458/	5	7	7	7	11	18	3	27	692	33	-3	-79	1444	1469	186	12
ANTGUA	238/	3	2	0	0	11	18	3	34	987	48	10	-60	949	1257	168	45
		100 KC BAD															
WOMERA	391/	4	4	4	4	11	18	4	45	556	0	-28	138	3688	3723	17	10
WOMERA	392/	4	0	0	0	11	18	7	12	599	3	-33	139	3627	3648	147	8
BPOINT	169/	4	0	0	0	11	18	8	8	1753	1	32	-74	515	934	159	60
NELCAL	220/	4	4	3	3	11	18	10	16	1558	58	30	-116	519	589	166	29
BPOINT	170/	4	2	2	2	11	18	10	25	1687	-48	33	-75	673	975	165	49
NELCAL	221/	4	5	5	5	11	18	12	33	1606	8	33	-117	596	605	336	10
ANTGUA	239/	3	1	0	0	11	18	12	49	917	-57	15	-60	1560	1594	150	13
		PINCHED SIGNALS.															
NELCAL	222/	4	4	4	4	11	18	14	51	1300	-37	27	-117	971	1190	185	38
		BAD 100 KC.															
QUITOE	459/	4	3	3	3	11	18	15	7	619	-31	2	-75	2179	2251	45	17
LIMAPU	211/	0	(2)	0	0	11	18	15	7	619	-31	2	-75	2179	2855	7	48
		TM-OTHERS BARELY ABOVE NOISE															
QUITOE	460/	0	(5)	0	0	11	18	17	35	356	-6	-20	-76	3327	4241	173	49
LIMAPU	212/	3	5	0	0	11	18	17	35	356	-6	-20	-76	3327	3504	174	23
AGASTA	420/	4	5	0	0	11	18	17	39	335	-4	-23	-69	3493	3496	74	3
LIMAPU	213/	3	3	0	0	11	18	20	3	340	-1	-32	-76	3754	4689	178	48
SNTAGO	194/	3	6	0	0	11	18	20	6	336	0	-33	-70	3744	3745	47	1
AGASTA	421/	0	(7)	0	0	11	18	20	6	336	0	-33	-70	3744	3958	180	24
LIMAPU	214/	4	4	0	0	11	18	22	29	372	0	-32	-76	3432	4434	177	51
SNTAGO	195/	4	8	0	0	11	18	22	32	372	1	-31	-69	3299	3316	26	7
AGASTA	422/	0	(7)	0	0	11	18	22	32	372	1	-31	-69	3299	3450	174	21
SNTAGO	196/	0	(6)	0	0	11	19	0	57	456	8	-18	-70	2361	3066	1	48
LIMAPU	215/	3	6	1	1	11	19	0	58	464	9	-17	-68	2284	2621	122	35
		WHISTLER ON TAPE															
AGASTA	423/	4	6	1	1	11	19	0	58	464	9	-17	-68	2284	2460	15	26
		WHISTLERS ON TAPE.															
QUITOE	461/	4	4	3	3	11	19	3	20	756	40	2	-74	1354	1499	60	28
LIMAPU	216/	4	2	1	1	11	19	3	20	756	40	2	-74	1354	2192	13	59
		TM- NOISY TAPE															
ANTGUA	240/	4	2	2	2	11	19	3	25	981	48	11	-61	1001	1224	169	38
WOMERA	394/	4	2	2	2	11	19	4	36	566	-1	-29	139	3672	3702	44	9
WOMERA	395/	4	0	0	0	11	19	7	2	592	2	-33	138	3670	3689	150	7
BPOINT	171/	3	3	3	3	11	19	7	59	1757	3	32	-74	513	903	160	59
		BAD 100 KC															
WOMERA	396/	6	3	3	3	11	19	9	28	679	6	-27	139	3020	3083	29	14
NELCAL	223/	2	2	2	2	11	19	10	7	1555	60	31	-117	527	575	172	25
BPOINT	172/	4	4	4	4	11	19	10	16	1707	-47	32	-75	641	970	167	52
		BAD 100 KC.															
NELCAL	224/	4	4	4	4	11	19	12	25	1628	-1	33	-113	602	716	83	35
		BAD 100 KC.															
ANTGUA	241/	0	0	0	0	11	19	12	45	669	-40	6	-49	1891	2883	130	58
NELCAL	225/	2	2	2	2	11	19	14	43	1279	-42	25	-114	982	1388	161	49
QUITOE	462/	4	7	3	2	11	19	14	57	655	-34	3	-77	2036	2083	22	14
		WEAK, BROKEN SIGNAL															
LIMAPU	217/	6	7	0	0	11	19	14	57	655	-34	3	-77	2036	2735	359	50
QUITOE	463/	0	0	0	0	11	19	17	25	368	-7	-20	-77	3239	4197	176	50
LIMAPU	218/	6	4	1	1	11	19	17	26	361	-6	-21	-75	3288	3539	169	27

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	424/	4	3	0	0	11	19	17	29	344	-4	-24	-70	3423	3423	122	1
SNTAGO	197/	0	0	0	0	11	19	17	29	344	-4	-24	-70	3423	3657	4	26
		TM-SILENT PERIOD															
LIMAPU	219/	6	(4)	0	0	11	19	19	53	342	-2	-32	-76	3749	4703	178	49
		NOISY TAPE.															
AGASTA	425/	0	(6)	0	0	11	19	19	56	337	-2	-33	-70	3753	3974	180	24
SNTAGO	198/	3	6	0	0	11	19	19	57	335	-1	-33	-68	3749	3760	90	5
LIMAPU	220/	3	5	0	0	11	19	22	19	365	-1	-32	-76	3502	4476	178	50
		VERY NOISY TAPE.															
AGASTA	426/	0	(7)	1	0	11	19	22	23	364	0	-30	-68	3337	3469	163	20
		S/N POOR, SIGNALS PINCHED															
SNTAGO	199/	4	7	1	1	11	19	22	23	364	0	-30	-68	3337	3377	39	11
QUITOE	464/	0	7	0	0	11	20	0	45	429	5	-20	-76	2640	3709	173	55
LIMAPU	221/	4	8	6	6	11	20	0	46	434	5	-19	-74	2569	2774	158	26
		APPARENT DOUBLE FREQ. WHISTLER ON TAPE.															
SNTAGO	200/	0	(3)	0	0	11	20	0	48	446	8	-17	-70	2422	3231	3	50
AGASTA	427/	4	8	1	1	11	20	0	48	446	8	-17	-70	2422	2584	3	24
		S/N POOR															
LIMAPU	222/	4	4	0	0	11	20	3	9	678	34	-0	-79	1572	2131	351	49
ANTGUA	242/	4	4	4	4	11	20	3	17	1022	45	14	-58	990	1134	129	32
WOMERA	398/	4	3	3	3	11	20	4	25	579	-2	-28	137	3603	3623	9	7
		POOR RISE TIME															
WOMERA	399/	4	0	0	0	11	20	6	52	586	2	-33	138	3704	3722	152	7
BPOINT	173/	4	4	3	3	11	20	7	50	1757	6	33	-75	516	878	162	57
		VERY POOR 100 KC															
WOMERA	400/	6	4	4	4	11	20	9	18	655	5	-27	138	3125	3186	19	14
NELCAL	226/	4	4	4	4	11	20	9	58	1549	62	31	-117	540	571	181	20
BPOINT	174/	4	4	3	3	11	20	10	7	1724	-45	32	-76	612	970	169	54
NELCAL	227/	4	4	4	4	11	20	12	16	1639	1	33	-113	578	685	86	34
ANTGUA	243/	3	1	1	1	11	20	12	31	934	-59	13	-60	1432	1548	164	25
NELCAL	228/	4	4	4	4	11	20	14	33	1331	-38	25	-118	871	1213	185	48
QUITOE	466/	5	4	4	4	11	20	14	48	658	-34	1	-77	1971	1992	39	10
LIMAPU	223/	0	(4)	2	2	11	20	14	49	624	-32	-0	-75	2050	2527	10	42
		TM-WEAK, FADING SIGNALS.															
AGASTA	429/	0	0	0	0	11	20	14	52	535	-25	-5	-69	2284	3333	4	57
QUITOE	467/	0	0	0	0	11	20	17	16	373	-6	-22	-76	3197	4291	173	53
LIMAPU	224/	0	0	0	0	11	20	17	16	373	-6	-22	-76	3197	3468	174	28
AGASTA	430/	5	0	0	0	11	20	17	20	349	-4	-25	-69	3389	3401	136	6
LIMAPU	225/	0	(0)	0	0	11	20	19	47	336	-2	-33	-68	3755	4925	161	53
SNTAGO	201/	3	3	0	0	11	20	19	48	334	-1	-33	-66	3753	3786	94	10
AGASTA	431/	1	3	0	0	11	20	19	49	333	-1	-33	-64	3749	4057	153	29
LIMAPU	226/	0	(4)	0	0	11	20	22	12	356	-1	-30	-70	3457	4388	163	49
SNTAGO	202/	4	4	0	0	11	20	22	12	356	-1	-30	-70	3457	3477	4	8
AGASTA	432/	0	(4)	0	0	11	20	22	12	356	-1	-30	-70	3457	3583	181	19
LIMAPU	227/	5	4	0	0	11	21	0	35	414	4	-20	-77	2764	2975	181	26
		WHISTLERS ON TAPE.															
SNTAGO	203/	0	(0)	0	0	11	21	0	36	418	5	-19	-75	2696	3333	342	44
AGASTA	433/	0	(4)	0	0	11	21	0	40	445	10	-14	-67	2408	2733	16	34
WOMERA	401/	0	0	0	0	11	21	1	48	655	-7	-13	138	2664	3583	4	52
QUITOE	468/	6	8	4	4	11	21	3	1	707	38	3	-77	1558	1627	29	19

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	228/	4	(4)	3	3	11	21	3	1	707	38	3	-77	1558	2371	2	57
ANTGUA	244/	4	4	4	4	11	21	3	8	1014	46	15	-58	1043	1140	121	26
		WHISTLER ON TAPE															
WOMERA	402/	2	0	0	0	11	21	4	15	593	-3	-29	137	3548	3562	1	6
WOMERA	403/	4	0	0	0	11	21	6	42	582	1	-33	138	3730	3746	154	7
BPOINT	175/	4	4	4	4	11	21	7	41	1753	9	33	-75	522	858	163	56
		WHISTLERS ON TAPE															
WOMERA	405/	4	4	4	4	11	21	9	8	634	3	-26	138	3222	3286	9	14
BPOINT	176/	4	4	4	4	11	21	9	58	1737	-42	32	-76	587	977	171	56
		CODED TIME POOR. WHISTLERS ON TAPE															
NELCAL	229/	4	4	4	4	11	21	12	7	1646	4	33	-113	558	656	90	33
ANTGUA	245/	4	4	4	4	11	21	12	22	943	-61	11	-60	1369	1547	167	31
NELCAL	230/	X	4	4	4	11	21	14	26	1263	-46	22	-111	941	1721	153	63
QUITOE	469/	4	7	4	4	11	21	14	42	566	-28	-5	-71	2143	2426	119	33
LIMAPU	229/	4	(4)	4	4	11	21	14	42	566	-28	-5	-71	2143	2458	43	34
AGASTA	434/	0	(5)	0	0	11	21	14	43	538	-25	-6	-69	2221	3151	5	55
LIMAPU	230/	4	(4)	0	0	11	21	17	5	396	-9	-21	-79	3040	3293	189	28
AGASTA	435/	4	6	3	3	11	21	17	5	396	-9	-21	-79	3040	3239	287	25
QUITOE	470/	0	7	0	0	11	21	17	7	380	-8	-23	-75	3154	4387	171	56
SNTAGO	204/	0	(4)	0	0	11	21	17	9	366	-6	-25	-71	3258	3458	356	24
AGASTA	436/	0	(0)	0	0	11	21	19	36	340	-3	-33	-71	3746	3978	182	25
LIMAPU	231/	0	(4)	0	0	11	21	19	36	340	-3	-33	-71	3746	4860	165	52
SNTAGO	205/	4	4	0	0	11	21	19	36	340	-3	-33	-71	3746	3746	119	0
SNTAGO	206/	3	7	0	0	11	21	22	3	348	0	-30	-69	3488	3529	23	11
		WHISTLERS ON TAPE															
LIMAPU	232/	0	3	1	1	11	21	22	3	348	0	-30	-69	3488	4393	158	48
		LOW S/N.															
AGASTA	437/	0	(7)	0	0	11	21	22	3	348	0	-30	-69	3488	3588	169	17
		100 KC POOR															
LIMAPU	233/	4	3	0	0	11	22	0	26	404	5	-19	-77	2818	2966	175	22
QUITOE	471/	0	(4)	0	0	11	22	0	27	409	5	-18	-75	2751	3587	167	49
AGASTA	438/	0	5	6	1	11	22	0	30	429	9	-14	-69	2541	2847	8	32
		PINCHED SIGNALS															
LIMAPU	234/	4	4	3	3	11	22	2	52	702	38	4	-77	1622	2538	1	59
		WHISTLERS ON TAPE															
QUITOE	472/	4	8	3	3	11	22	2	53	740	40	6	-74	1543	1803	34	35
		WEAK WHISTLERS ON 3 REPLIES															
ANTGUA	246/	4	3	3	3	11	22	2	58	961	46	14	-61	1168	1216	174	17
		TIME AND DATE QUESTIONABLE															
WOMERA	407/	4	0	0	0	11	22	6	31	580	0	-33	136	3752	3767	197	6
BPOINT	177/	4	4	1	1	11	22	7	33	1758	-4	33	-71	520	991	133	62
		S/N POOR															
WOMERA	408/	4	3	3	3	11	22	8	58	614	3	-26	137	3311	3383	2	15
NELCAL	231/	4	4	4	4	11	22	9	40	1529	65	32	-118	576	589	206	13
BPOINT	178/	4	4	0	0	11	22	9	49	1748	-41	31	-76	565	989	173	59
		BAD TAPE TIME.WHISTLER ON TAPE															
NELCAL	232/	4	4	4	4	11	22	11	58	1651	5	32	-114	541	631	95	32
ANTGUA	247/	3	3	3	3	11	22	12	13	951	-62	10	-61	1308	1560	170	37
		TIME AND DATE QUESTIONABLE.															
NELCAL	233/	4	4	4	4	11	22	14	16	1317	-43	23	-115	835	1473	168	61
QUITOE	473/	4	4	2	2	11	22	14	31	631	-32	-3	-75	1921	2008	124	19
		POOR 100 KC															
LIMAPU	235/	0	(4)	1	1	11	22	14	31	631	-32	-3	-75	1921	2227	16	35
AGASTA	439/	0	1	0	0	11	22	14	34	542	-25	-8	-69	2158	2975	6	52

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
QUITOE	474/	0	0	0	0	11	22	16	57	394	-8	-23	-76	3052	4326	174	58
LIMAPU	236/	0	0	0	0	11	22	16	57	394	-8	-23	-76	3052	3429	174	33
SNTAGO	207/	0	0	0	0	11	22	17	0	372	-6	-26	-70	3217	3367	4	21
AGASTA	440/	4	0	0	0	11	22	17	0	372	-6	-26	-70	3217	3232	175	7
LIMAPU	237/	0	(4)	0	0	11	22	19	26	343	-3	-33	-71	3729	4850	166	52
SNTAGO	208/	4	5	0	0	11	22	19	26	343	-3	-33	-71	3729	3729	198	0
AGASTA	441/	0	(4)	0	0	11	22	19	27	340	-3	-33	-69	3739	3986	172	26
LIMAPU	238/	4	6	0	0	11	22	21	49	349	-2	-31	-77	3661	4552	180	47
SNTAGO	209/	4	6	0	0	11	22	21	52	343	-1	-30	-71	3582	3613	351	9
AGASTA	442/	0	(6)	0	0	11	22	21	53	342	-1	-29	-69	3551	3637	172	16
LIMAPU	239/	4	4	0	0	11	23	0	17	395	5	-17	-76	2870	2968	167	18
SNTAGO	210/	0	4	0	0	11	23	0	17	395	5	-17	-76	2870	3623	342	47
AGASTA	443/	0	(4)	0	0	11	23	0	20	414	8	-14	-70	2669	2973	0	31
WOMERA	410/	0	0	0	0	11	23	1	29	717	-9	-15	137	2476	3282	1	50
QUITOE	475/	5	6	3	4	11	23	2	43	698	38	5	-77	1686	1852	17	28
		SIGNALS SHOW VERY FAST DECAY. WHISTLERS ON TAPE															
LIMAPU	240/	4	5	0	0	11	23	2	43	698	38	5	-77	1686	2709	1	61
ANTGUA	248/	4	4	4	4	11	23	2	49	953	45	15	-62	1227	1245	174	11
WOMERA	411/	4	1	1	1	11	23	3	57	615	-5	-31	140	3492	3513	80	8
WOMERA	412/	4	0	0	0	11	23	6	22	579	-1	-33	138	3754	3768	157	6
NELCAL	234/	4	4	4	4	11	23	7	14	1187	71	24	-112	915	1500	154	58
		BAD 100 KC															
BPOINT	179/	4	4	4	4	11	23	7	23	1735	15	33	-76	545	837	166	52
		BAD CODED TIME. WHISTLERS ON TAPE															
WOMERA	413/	4	4	4	4	11	23	8	49	598	2	-25	138	3348	3460	11	18
NELCAL	235/	3	3	3	3	11	23	9	32	1582	60	33	-113	571	677	89	34
NELCAL	236/	4	4	4	4	11	23	11	49	1651	9	32	-114	529	610	101	31
ANTGUA	249/	4	4	2	2	11	23	12	4	959	-63	9	-61	1248	1586	173	42
		WHISTLER ON TAPE															
QUITOE	476/	4	6	4	4	11	23	14	20	708	-38	-1	-79	1697	1701	217	4
LIMAPU	241/	3	6	5	5	11	23	14	21	670	-34	-3	-77	1777	2094	2	37
		PINCHED SIGNALS, POOR 100 KC															
AGASTA	444/	0	0	0	0	11	23	14	24	574	-27	-8	-70	2016	2859	360	54
LIMAPU	242/	4	4	0	0	11	23	16	47	410	-9	-24	-77	2943	3346	179	35
		TM-SPEED WRONG, BELT SLIPPING															
AGASTA	445/	4	6	3	2	11	23	16	47	410	-9	-24	-77	2943	3052	269	19
		S/N POOR. SIGNAL WEAK AND PINCHED															
SNTAGO	211/	0	7	0	0	11	23	16	48	401	-8	-25	-75	3004	3258	336	28
LIMAPU	243/	4	8	0	0	11	23	19	13	359	-4	-33	-77	3641	4671	180	51
AGASTA	446/	0	(8)	0	0	11	23	19	16	346	-4	-33	-71	3703	3945	183	26
SNTAGO	212/	4	9	2	0	11	23	19	17	342	-3	-33	-69	3718	3725	100	4
		SIGNAL WEAK, SHORT AND PINCHED															
LIMAPU	244/	6	7	0	0	11	23	21	39	345	-2	-31	-77	3697	4560	181	47
		WHISTLER ON TAPE.															
AGASTA	447/	0	7	0	0	11	23	21	43	336	-1	-29	-70	3605	3679	175	14
		WHISTLERS ON TAPE.															
SNTAGO	213/	3	5	3	0	11	23	21	43	336	-1	-29	-70	3605	3656	11	12
QUITOE	477/	0	(4)	0	0	11	24	0	6	380	3	-18	-79	3043	3838	180	47
SNTAGO	214/	0	(4)	0	0	11	24	0	7	383	5	-17	-77	2983	3771	339	47
LIMAPU	245/	4	4	2	2	11	24	0	8	388	5	-16	-75	2921	2982	154	14

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	448/	0	4	4	2	11	24	0	8	388	5	-16	-75	2921	3164	329	28
		PINCHED SIGNALS, DOUBLE FREQ. WHISTLERS ON TAPE. BAD 100 KC.															
WOMERA	415/	3	3	3	3	11	24	1	22	727	-9	-18	142	2564	3112	21	42
QUITOE	478/	4	3	1	1	11	24	2	34	695	37	7	-77	1750	1981	14	32
		LOW S/N															
ANTGUA	250/	4	3	3	2	11	24	2	40	945	44	16	-62	1286	1288	173	4
		PINCHED SIGNAL.															
WOMERA	416/	4	1	1	1	11	24	3	47	632	-6	-31	140	3422	3437	85	7
NELCAL	237/	0	0	0	0	11	24	7	4	1106	68	23	-116	1029	1567	173	54
		TM-HUMAN ERROR															
BPOINT	180/	3	3	0	0	11	24	7	14	1721	18	33	-76	562	834	167	50
		CODED TIME BAD. WHISTLERS ON TAPE.															
WOMERA	417/	4	4	0	0	11	24	8	39	582	0	-24	138	3426	3549	6	19
NELCAL	238/	4	4	3	3	11	24	9	23	1568	61	33	-113	593	687	85	32
NELCAL	239/	4	4	4	4	11	24	11	40	1649	11	32	-114	519	595	108	30
ANTGUA	251/	4	4	1	1	11	24	11	55	967	-64	8	-61	1189	1625	175	48
		SHORT, WEAK, SIGNALS															
QUITOE	479/	4	5	4	4	11	24	14	12	676	-35	-4	-77	1713	1788	154	19
LIMAPU	246/	4	5	4	4	11	24	14	13	641	-32	-6	-75	1793	1965	24	28
AGASTA	449/	0	(1)	1	1	11	24	14	13	641	-32	-6	-75	1793	2898	346	61
LIMAPU	247/	3	(3)	0	0	11	24	16	38	418	-9	-25	-76	2894	3385	175	38
SNTAGO	215/	0	(6)	0	0	11	24	16	40	401	-8	-27	-72	3017	3148	352	20
AGASTA	450/	4	6	0	0	11	24	16	41	393	-8	-27	-70	3076	3117	171	11
LIMAPU	248/	3	(3)	0	0	11	24	19	4	360	-5	-33	-75	3621	4688	176	51
SNTAGO	216/	4	7	0	0	11	24	19	4	360	-5	-33	-75	3621	3659	268	10
AGASTA	451/	0	(7)	0	0	11	24	19	7	346	-4	-33	-69	3689	3940	173	26
LIMAPU	249/	4	3	0	0	11	24	21	29	342	-3	-31	-78	3724	4560	181	46
AGASTA	452/	0	7	0	0	11	24	21	33	332	-2	-28	-70	3652	3714	178	13
SNTAGO	217/	4	7	0	0	11	24	21	33	332	-2	-28	-70	3652	3710	7	13
QUITOE	480/	X	4	1	0	11	24	23	58	376	5	-15	-76	3031	3640	171	42
SNTAGO	218/	0	(4)	0	0	11	24	23	58	376	5	-15	-76	3031	3915	343	49
LIMAPU	250/	6	4	1	1	11	24	23	59	381	6	-14	-74	2971	3011	133	11
AGASTA	453/	0	4	0	0	11	25	0	2	402	10	-11	-69	2779	3271	5	39
WOMERA	419/	6	4	4	4	11	25	3	37	652	-8	-31	139	3344	3354	91	6
WOMERA	420/	6	3	3	3	11	25	6	3	578	-3	-33	140	3750	3773	124	8
NELCAL	240/	3	3	3	3	11	25	6	56	1161	69	25	-112	1016	1443	151	50
FTMYRS	002/	0	3	3	3	11	25	7	6	1724	5	33	-71	558	1448	50	73
		FIRST TAPE															
BPOINT	181/	3	3	3	3	11	25	7	6	1724	5	33	-71	558	971	134	58
		TM-CODED TIME POOR. WHISTLER ON TAPE															
WOMERA	421/	5	4	4	4	11	25	8	27	567	0	-26	133	3564	3670	331	17
		WHISTLER ON TAPE															
NELCAL	241/	4	4	3	3	11	25	9	14	1552	61	33	-114	619	706	81	30
FTMYRS	003/	0	0	0	0	11	25	9	22	1758	-32	30	-77	522	859	47	56
NELCAL	242/	4	4	4	4	11	25	11	31	1644	12	31	-114	514	586	117	30
ANTGUA	252/	4	2	1	1	11	25	11	46	974	-64	7	-61	1133	1676	177	53
QUITOE	481/	0	0	0	0	11	25	12	0	466	-10	-16	-28	2217	6846	110	99
QUITOE	482/	4	3	0	0	11	25	14	2	719	-37	-4	-79	1570	1624	189	17
		NO CODED TIME, POOR 100 KC															
LIMAPU	251/	2	1	1	1	11	25	14	3	682	-35	-6	-77	1649	1820	4	28

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	454/	0	(3)	0	0	11	25	14	6	586	-27	-10	-70	1889	2520	1	48
LIMAPU	252/	1	1	0	0	11	25	16	30	417	-9	-27	-73	2907	3581	165	44
AGASTA	455/	3	1	0	0	11	25	16	31	408	-8	-28	-70	2969	3017	183	12
		HIGH NOISE LEVEL															
SNTAGO	219/	0	(0)	0	0	11	25	16	31	408	-8	-28	-70	2969	3061	2	17
LIMAPU	253/	0	(4)	0	0	11	25	18	56	356	-5	-33	-71	3627	4766	167	53
SNTAGO	220/	4	4	0	0	11	25	18	56	356	-5	-33	-71	3627	3627	235	1
AGASTA	456/	0	(4)	0	0	11	25	18	57	351	-5	-33	-69	3651	3903	174	26
LIMAPU	254/	4	4	0	0	11	25	21	18	344	-4	-31	-80	3749	4605	187	46
SNTAGO	221/	0	3	0	0	11	25	21	22	330	-2	-29	-72	3706	3763	343	13
AGASTA	457/	1	3	0	0	11	25	21	23	328	-3	-28	-70	3689	3741	181	12
LIMAPU	255/	4	4	0	0	11	25	23	48	366	4	-15	-77	3133	3163	179	10
SNTAGO	222/	0	(4)	0	0	11	25	23	49	370	6	-14	-75	3077	4070	346	52
AGASTA	458/	0	4	0	0	11	25	23	52	390	9	-10	-70	2896	3397	0	39
QUITOE	483/	0	(0)	0	0	11	25	23	56	432	13	-5	-63	2627	3367	107	47
ANTGUA	253/	3	(1)	0	0	11	25	23	57	445	15	-4	-61	2556	3760	179	59
WOMERA	423/	0	0	0	0	11	26	1	2	808	-12	-19	139	2296	2811	9	42
QUITOE	484/	4	4	0	0	11	26	2	15	656	34	8	-79	1958	2224	360	33
ANTGUA	254/	4	3	2	2	11	26	2	23	970	40	20	-59	1331	1422	43	23
WOMERA	424/	5	4	3	3	11	26	3	29	655	-9	-32	143	3353	3430	103	15
BPOINT	182/	4	4	4	4	11	26	4	38	1286	54	27	-76	993	1678	174	60
		POOR 100 KC,BAD CODED TIME															
FTMYRS	004/	0	4	4	4	11	26	4	39	1340	47	28	-72	931	1401	76	53
		PINCHED SIGNALS. BAD 100 KC.															
WOMERA	425/	4	1	1	1	11	26	5	52	585	-4	-33	138	3726	3734	160	5
NELCAL	243/	3	3	3	3	11	26	6	47	1148	67	26	-112	1069	1430	148	46
BPOINT	183/	3	3	3	3	11	26	6	56	1685	21	33	-76	607	848	169	47
FTMYRS	005/	0	3	3	3	11	26	6	57	1706	8	34	-71	577	1450	50	72
WOMERA	426/	4	3	3	3	11	26	8	20	553	-1	-23	138	3528	3719	9	23
		WHISTLERS ON TAPE															
FTMYRS	006/	0	0	0	0	11	26	9	13	1754	-29	30	-77	516	815	49	54
NELCAL	244/	4	4	4	4	11	26	11	21	1610	24	32	-119	516	563	253	25
ANTGUA	255/	3	2	2	2	11	26	11	37	981	-65	6	-61	1078	1736	178	58
QUITOE	485/	0	4	0	0	11	26	13	52	766	-40	-3	-82	1431	1517	226	22
		NO CODED TIME, POOR 100 KC															
LIMAPU	256/	4	4	1	1	11	26	13	54	689	-35	-7	-77	1587	1699	5	23
AGASTA	459/	0	(0)	0	0	11	26	13	57	593	-27	-12	-70	1826	2361	3	46
LIMAPU	257/	4	6	0	0	11	26	16	19	446	-10	-26	-76	2723	3331	175	43
SNTAGO	223/	0	(6)	0	0	11	26	16	20	436	-11	-27	-74	2791	2926	336	21
AGASTA	460/	4	6	0	0	11	26	16	22	416	-9	-29	-69	2920	2998	169	16
JOBURG	001/1	3	1	1	1	11	26	17	14	435	9	-8	31	2851	3773	7	51
		FIRST TAPE															
LIMAPU	258/	4	(4)	0	0	11	26	18	45	368	-6	-33	-74	3544	4656	172	53
SNTAGO	224/	4	8	0	0	11	26	18	46	362	-6	-33	-71	3576	3577	243	2
AGASTA	461/	0	8	0	0	11	26	18	47	356	-6	-33	-69	3605	3856	175	26
LIMAPU	259/	4	7	0	0	11	26	21	10	335	-4	-29	-76	3748	4486	177	43

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
SNTAGO	225/	0	7	0	0	11	26	21	10	335	-4	-29	-76	3748	3840	307	16
AGASTA	462/	3	7	0	0	11	26	21	14	322	-2	-27	-69	3702	3736	159	10
QUITOE	486/	0	(4)	0	0	11	26	23	38	357	4	-14	-78	.3228	3739	178	38
LIMAPU	260/	5	4	3	3	11	26	23	39	361	5	-13	-76	3175	3185	153	5
		POOR 100 KC.															
SNTAGO	226/	0	(2)	0	0	11	26	23	40	366	6	-12	-75	3121	4235	349	54
AGASTA	463/	0	3	1	1	11	26	23	40	366	6	-12	-75	3121	3526	339	34
ANTGUA	256/	3	0	0	0	11	26	23	48	444	15	-2	-61	2613	3658	178	55
FTMYRS	007/	0	(0)	0	0	11	27	2	5	623	31	8	-81	2100	3208	176	59
QUITOE	487/	4	2	2	2	11	27	2	5	623	31	8	-81	2100	2362	347	32
ANTGUA	257/	4	2	2	2	11	27	2	14	960	38	21	-59	1392	1518	36	26
FTMYRS	008/	0	4	4	4	11	27	4	29	1267	52	28	-76	1046	1245	76	36
		PINCHED SIGNALS. BAD 100 KC.															
BPOINT	184/	4	4	3	3	11	27	4	29	1267	52	28	-76	1046	1652	173	56
		BAD 100 KC. POOR SIGNALS.															
NELCAL	245/	3	3	3	3	11	27	6	38	1134	66	27	-112	1125	1430	144	42
FTMYRS	009/	0	3	3	2	11	27	6	48	1686	9	33	-71	601	1455	50	71
BPOINT	185/	3	3	2	2	11	27	6	48	1686	9	33	-71	601	990	135	56
		100 KC BAD ON OTHER SIGNAL															
JOBURG	001/2	2	2	2	2	11	27	7	18	667	-11	-13	29	1801	2429	4	49
		POOR CODED TIME															
WOMERA	427/	4	4	4	4	11	27	8	10	540	-2	-22	138	3581	3796	5	24
		WHISTLERS ON TAPE															
NELCAL	246/	4	4	4	4	11	27	8	55	1448	65	33	-118	723	731	291	9
FTMYRS	010/	0	1	0	0	11	27	9	4	1746	-26	30	-77	513	772	51	51
ANTGUA	258/	3	2	2	2	11	27	9	9	1496	-76	22	-57	590	958	39	55
JOBURG	001/3	3	4	0	0	11	27	9	42	510	-2	-29	28	2836	2859	180	9
		TM-WEAK SIGNALS,BAD CODED TIME AND 100 KC.															
NELCAL	247/	4	4	4	4	11	27	11	13	1622	16	31	-115	515	591	135	31
LIMAPU	261/	5	4	0	0	11	27	13	43	774	-40	-5	-82	1370	1712	327	41
		TM-TAPE CAME OFF RECORDER. FOUR STRONG SIGNALS, BUT REPLIES VERY NOISY															
QUITOE	488/	0	5	4	4	11	27	13	45	697	-35	-8	-77	1524	1802	166	36
AGASTA	464/	0	(3)	2	2	11	27	13	47	631	-29	-11	-72	1682	2273	352	49
JOBURG	002/2	4	4	3	3	11	27	14	34	386	2	-27	29	3721	3724	126	3
		POOR SIGNAL															
AGASTA	465/	0	2	1	1	11	27	16	9	468	-12	-26	-77	2598	2745	244	23
SNTAGO	227/	3	2	1	1	11	27	16	10	456	-11	-27	-75	2668	2819	328	23
LIMAPU	262/	0	(0)	0	0	11	27	16	12	434	-10	-29	-70	2804	3704	160	51
JOBURG	002/3	3	0	0	0	11	27	17	4	417	8	-7	29	2964	3895	4	51
LIMAPU	263/	0	(5)	0	0	11	27	18	37	362	-6	-33	-69	3550	4735	163	54
SNTAGO	228/	5	5	0	0	11	27	18	37	362	-6	-33	-69	3550	3553	105	3
AGASTA	466/	0	(5)	0	0	11	27	18	37	362	-6	-33	-69	3550	3801	176	26
LIMAPU	264/	5	4	0	0	11	27	20	59	338	-5	-30	-78	3753	4502	183	43
AGASTA	467/	2	4	2	0	11	27	21	4	319	-3	-26	-69	3727	3751	161	8
SNTAGO	229/	0	(3)	1	1	11	27	21	4	319	-3	-26	-69	3727	3847	11	18
LIMAPU	265/	6	4	4	0	11	27	23	28	349	3	-14	-79	3315	3336	216	8
		DOUBLE FREQUENCY. POOR 100 KC															
QUITOE	489/	0	(6)	0	0	11	27	23	29	352	5	-13	-77	3267	3674	173	34
		NO CODED TIME															
AGASTA	468/	0	0	0	0	11	27	23	34	385	10	-7	-69	2993	3731	4	46
ANTGUA	259/	3	1	0	0	11	27	23	39	444	15	-1	-61	2668	3564	176	51

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	430/	4	4	3	3	11	28	0	43	888	-14	-20	138	2095	2535	4	40
QUITOE	490/	4	3	0	0	11	28	1	57	653	33	10	-78	2084	2523	2	40
ANTGUA	260/	4	2	2	2	11	28	2	4	911	38	21	-61	1531	1594	7	18
		WHISTLERS ON TAPE															
WOMERA	431/	4	3	3	3	11	28	3	7	724	-12	-32	137	3064	3066	150	2
FTMYRS	011/	0	0	0	0	11	28	4	20	1248	50	28	-76	1100	1313	70	36
BPOINT	186/	3	0	0	0	11	28	4	20	1248	50	28	-76	1100	1634	172	53
WOMERA	432/	4	2	2	2	11	28	5	33	590	-6	-32	139	3684	3698	116	6
NELCAL	248/	3	3	3	0	11	28	6	28	1058	62	26	-115	1253	1494	167	36
		WHISTLER ON TAPE,UNCERTAINTY OF 10 SEC IN CODED TIME															
FTMYRS	012/	0	2	2	3	11	28	6	39	1662	12	33	-71	627	1463	50	70
BPOINT	187/	3	4	4	3	11	28	6	39	1662	12	33	-71	627	1010	136	55
		1850 CPS SIGNAL.															
JOBURG	002/4	3	0	0	0	11	28	7	9	687	-11	-14	29	1738	2274	6	46
WOMERA	433/	4	4	4	4	11	28	8	0	529	-2	-21	137	3630	3869	2	26
NELCAL	249/	4	4	1	1	11	28	8	48	1552	55	33	-109	671	1031	80	53
		NOISY TAPE															
FTMYRS	013/	0	3	3	1	11	28	9	0	1499	-75	21	-58	568	2663	98	89
		BAD CODED TIME. WHISTLER ON TAPE															
ANTGUA	261/	3	3	1	1	11	28	9	0	1499	-75	21	-58	568	873	41	52
		BAD 100 KC. WHISTLER ON TAPE.															
JOBURG	002/5	4	4	4	4	11	28	9	33	525	-3	-30	30	2784	2829	163	12
NELCAL	250/	3	3	2	2	11	28	11	4	1607	17	30	-115	521	606	144	32
FTMYRS	014/	0	0	0	0	11	28	11	13	1397	-63	16	-80	660	1427	172	68
JOBURG	002/6	4	4	0	0	11	28	11	57	434	0	-33	29	3505	3649	178	20
		VERY NOISY TAPE.															
JOBURG	002/1	3	3	3	3	11	28	12	7	436	1	-30	49	3735	4549	108	45
		POOR 100 KC AND CODED TIME															
LIMAPU	266/	6	4	3	2	11	28	13	36	705	-34	-9	-77	1463	1492	10	13
		WEAK SIGNAL															
QUITOE	491/	0	(4)	3	3	11	28	13	37	671	-31	-11	-74	1541	2082	158	48
AGASTA	469/	0	(2)	1	1	11	28	13	37	671	-31	-11	-74	1541	2234	342	53
		PINCHED SIGNAL															
JOBURG	003/1	4	3	3	3	11	28	14	24	382	2	-26	29	3740	3740	97	1
		POOR 100 KC, CODED TIME.															
LIMAPU	267/	5	(4)	1	1	11	28	16	0	479	-13	-27	-76	2541	3267	176	47
AGASTA	470/	0	8	3	3	11	28	16	3	443	-11	-30	-69	2751	2871	169	20
		PINCHED SIGNALS.															
SNTAGO	230/	4	8	1	1	11	28	16	4	432	-9	-30	-67	2818	2881	52	14
		POOR 100 KC.															
JOBURG	003/2	0	0	0	0	11	28	16	54	402	7	-7	28	3069	4022	0	51
LIMAPU	268/	7	(4)	0	0	11	28	18	23	403	-9	-33	-79	3319	4440	183	54
SNTAGO	231/	4	5	1	1	11	28	18	27	370	-8	-33	-70	3487	3489	105	2
		BAD CODED TIME.															
AGASTA	471/	0	7	1	1	11	28	18	27	370	-8	-33	-70	3487	3738	177	27
		OTHER SIGNALS PINCHED. WHISTLER ON TAPE.															
LIMAPU	269	2	3	0	0	11	28	20	54	317	-3	-26	-69	3743	4354	154	40
		TM-LOST ONE DUE TO LOOSE CONNECTION. POOR 100 KC															
SNTAGO	232/	0	(3)	0	0	11	28	20	54	317	-3	-26	-69	3743	3879	9	19
AGASTA	472/	1	1	1	0	11	28	20	55	314	-2	-25	-68	3735	3755	125	8
QUITOE	492/	0	(5)	0	0	11	28	23	20	349	5	-11	-76	3305	3620	168	30
LIMAPU	270/	4	5	4	0	11	28	23	20	349	5	-11	-76	3305	3307	53	3
		S/N POOR. SIGNALS SHORT AND PINCHED															
AGASTA	473/	0	5	5	0	11	28	23	24	375	9	-7	-70	3097	3856	1	46
ANTGUA	262/	3	1	0	0	11	28	23	29	430	15	-0	-62	2790	3634	180	49
WOMERA	434/	4	4	3	3	11	29	0	34	923	-16	-21	138	2033	2400	7	37
QUITOE	493/	4	4	0	0	11	29	1	47	622	31	10	-80	2223	2650	353	39

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
ANTGUA	263/	4	3	2	2	11	29	1	55	901	37	22	-61	1593	1696	9	23
WOMERA	435/	4	4	4	4	11	29	2	58	739	-13	-32	139	3018	3031	125	6
		100 KC BAD ON ONE SIGNAL															
FTMYRS	015/	0	4	4	4	11	29	4	11	1228	48	29	-75	1155	1389	65	37
BPOINT	188/	4	4	4	4	11	29	4	11	1228	48	29	-75	1155	1623	170	50
WOMERA	436/	6	4	4	4	11	29	5	23	597	-8	-32	139	3645	3656	112	6
NELCAL	251/	4	1	0	0	11	29	6	18	989	57	26	-118	1387	1633	189	36
		NOISY TAPE.															
FTMYRS	016/	0	4	4	4	11	29	6	29	1612	25	33	-76	698	1231	35	60
BPOINT	189/	4	4	3	3	11	29	6	29	1612	25	33	-76	698	914	168	43
		OTHER SIGNAL TOO PINCHED TO COUNT. BAD 100 KC.															
JOBURG	003/3	3	0	0	0	11	29	7	0	707	-11	-16	30	1675	2127	7	44
		TM-SUCCESS DOUBTFUL															
WOMERA	437/	6	5	5	5	11	29	7	50	520	-3	-21	137	3670	3937	360	27
NELCAL	252/	4	4	4	4	11	29	8	38	1469	60	33	-113	751	836	73	28
FTMYRS	017/	0	0	0	0	11	29	8	46	1719	-19	29	-78	518	700	57	44
ANTGUA	264/	3	3	3	3	11	29	8	51	1498	-73	21	-58	550	790	43	48
		WHISTLERS ON TAPE															
JOBURG	003/4	4	4	2	2	11	29	9	24	540	-3	-30	31	2731	2809	153	16
		TM-HIGH NOISE LEVEL															
NELCAL	253/	4	4	4	4	11	29	10	55	1588	19	30	-115	531	630	152	34
		WHISTLERS ON TAPE															
JOBURG	003/5	5	5	0	0	11	29	11	48	441	-1	-33	30	3475	3621	166	20
		TM-SUCCESS DOUBTFUL,HIGH NOISE															
LIMAPU	271/	6	2	2	2	11	29	13	26	751	-36	-9	-79	1326	1397	323	20
QUITOE	494/	0	(2)	0	0	11	29	13	27	715	-34	-11	-77	1402	1877	170	47
AGASTA	475/	0	(0)	0	0	11	29	13	30	621	-26	-16	-69	1637	1927	7	36
JOBURG	003/6	4	4	0	0	11	29	14	14	380	0	-26	29	3750	3750	28	1
		TM-SUCCESS DOUBTFUL,NO 100 KC															
SNTAGO	233/	4	4	0	0	11	29	15	53	463	-11	-30	-70	2628	2665	9	11
LIMAPU	272/	0	(1)	1	1	11	29	15	54	452	-11	-30	-68	2698	3835	156	57
AGASTA	476/	0	(4)	2	2	11	29	15	54	452	-11	-30	-68	2698	2863	162	23
AGASTA	477/	0	(4)	0	0	11	29	18	17	378	-8	-33	-70	3416	3666	179	27
SNTAGO	234/	4	4	0	0	11	29	18	18	370	-8	-33	-68	3457	3472	90	7
LIMAPU	273/	0	(4)	0	0	11	29	18	18	370	-8	-33	-68	3457	4679	160	55
LIMAPU	274/	0	0	0	0	11	29	20	41	328	-4	-28	-75	3746	4352	173	39
SNTAGO	235/	0	0	0	0	11	29	20	43	320	-4	-26	-71	3752	3879	354	19
AGASTA	478/	3	0	0	0	11	29	20	43	320	-4	-26	-71	3752	3772	203	7
QUITOE	495/	0	(5)	0	0	11	29	23	10	343	4	-11	-77	3385	3658	172	28
LIMAPU	275/	4	5	1	1	11	29	23	11	347	6	-10	-76	3341	3362	34	8
		4 SIGS BURIED BY INTERFERENCE															
AGASTA	479/	0	(4)	0	0	11	29	23	15	375	10	-5	-69	3140	4035	3	49
ANTGUA	265/	3	0	0	0	11	29	23	20	432	14	1	-61	2841	3544	178	45
QUITOE	496/	4	3	0	0	11	30	0	25	959	-17	-22	139	1971	13710	104	142
WOMERA	439/	4	4	4	4	11	30	0	25	959	-17	-22	139	1971	2275	12	35
QUITOE	497/	4	3	3	3	11	30	1	39	652	32	13	-77	2207	2848	5	47
ANTGUA	266/	3	2	1	1	11	30	1	47	926	34	24	-58	1577	1855	27	36
		100 KC BADLY PINCHED															
WOMERA	428/	6	3	3	0	11	30	2	50	740	-15	-33	143	3030	3118	112	17
FTMYRS	018	0	4	4	4	11	30	4	2	1208	46	30	-75	1212	1473	61	38
		BAD 100 KC.															
BPOINT	190/	4	4	4	4	11	30	4	3	1254	41	31	-71	1141	1586	147	49
		PINCHED SIGNAL															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	440/	6	4	4	4	11	30	5	12	615	-9	-32	137	3568	3570	178	2
NELCAL	254/	4	4	3	3	11	30	6	9	978	56	26	-118	1447	1633	187	31
FTMYRS	019/	0	3	2	2	11	30	6	20	1583	26	33	-76	734	1256	36	59
		ONE SIGNAL PINCHED															
BPOINT	191/	3	3	3	3	11	30	6	20	1583	26	33	-76	734	947	167	42
JOBURG	003/7	4	3	0	0	11	30	6	51	728	-12	-17	30	1613	1988	10	41
		NO 100 KC															
WOMERA	441/	5	4	4	4	11	30	7	40	512	-4	-20	136	3703	4000	358	28
NELCAL	255/	3	3	3	3	11	30	8	30	1504	53	33	-109	741	.094	81	51
FTMYRS	020/	0	0	0	0	11	30	8	37	1701	-17	28	-78	525	672	62	40
ANTGUA	267/	3	3	0	0	11	30	8	41	1558	-63	22	-62	522	755	353	49
		WHISTLER ON TAPE															
JOBURG	003/8	0	0	0	0	11	30	9	14	558	-3	-31	30	2607	2680	164	16
NELCAL	256/	2	2	2	2	11	30	10	47	1588	10	28	-111	527	914	130	58
JOBURG	004/1	4	4	0	0	11	30	11	38	450	-2	-33	30	3404	3545	168	20
		NO 100 KC															
LIMAPU	276/	4	4	4	4	11	30	13	18	725	-34	-12	-77	1343	1344	98	2
AGASTA	480/	0	2	2	2	11	30	13	18	725	-34	-12	-77	1343	2109	331	57
		PINCHED SIGNAL															
QUITOE	498/	0	(4)	0	1	11	30	13	19	691	-31	-14	-74	1419	2192	161	57
JOBURG	004/2	4	0	0	0	11	30	14	5	378	1	-24	30	3751	3765	41	6
		TM-FAINT RECORDING,NO 100 KC															
AGASTA	481/	0	8	8	8	11	30	15	41	516	-16	-28	-76	2351	2535	227	26
		PINCHED SIGNAL. BAD 100 KC.															
LIMAPU	277/	4	4	1	1	11	30	15	42	500	-14	-29	-74	2426	3347	170	53
		OTHERS CUT OUT BY VOICE MOD															
SNTAGO	236/	4	8	1	1	11	30	15	43	486	-13	-30	-71	2500	2536	350	11
JOBURG	004/3	3	0	0	0	11	30	16	36	386	7	-3	30	3156	4405	4	57
LIMAPU	278/	4	(4)	0	0	11	30	18	4	418	-11	-33	-77	3190	4336	180	55
		TM-NOISY															
AGASTA	482/	0	6	2	2	11	30	18	4	418	-11	-33	-77	3190	3559	210	33
SNTAGO	237/	4	8	0	0	11	30	18	7	388	-9	-33	-70	3338	3338	108	1
LIMAPU	279/	4	4	4	4	11	30	20	31	329	-5	-27	-75	3731	4302	174	38
		TM-CODED TIME INCORRECT															
SNTAGO	238/	0	(3)	0	0	11	30	20	34	315	-3	-25	-70	3750	3926	4	22
AGASTA	483/	2	4	0	0	11	30	20	34	315	-3	-25	-70	3750	3754	171	3
QUITOE	499/	0	(4)	0	0	11	30	23	1	341	6	-9	-76	3418	3616	165	24
LIMAPU	280/	4	4	2	2	11	30	23	1	341	6	-9	-76	3418	3443	15	9
		S/N POOR, 100 KC POOR															
AGASTA	484/	0	0	0	0	11	30	23	5	367	9	-4	-70	3234	4160	360	50
ANTGUA	268/	0	0	0	0	11	30	23	23	661	23	19	-37	2022	3573	82	68
		TM-PASS MONITORED AT WRONG TIME															
WOMERA	442/	4	4	3	3	12	1	0	16	996	-18	-23	139	1909	2160	17	32
QUITOE	500/	4	3	0	0	12	1	1	29	623	29	13	-79	2344	2967	358	45
ANTGUA	269/	4	3	2	2	12	1	1	37	881	34	24	-60	1718	1921	12	30
		100 KC BADLY PINCHED															
WOMERA	443/	5	4	4	4	12	1	2	39	787	-17	-33	140	2858	2885	127	9
FTMYRS	021/	0	3	3	3	12	1	3	53	1187	44	30	-74	1269	1564	58	40
BPOINT	192/	4	3	3	3	12	1	3	53	1187	44	30	-74	1269	1630	164	43
WOMERA	444/	4	2	2	2	12	1	5	2	626	-10	-32	137	3508	3510	198	2
		WHISTLERS ON TAPE															
NELCAL	257/	4	4	4	4	12	1	6	2	1078	58	29	-111	1355	1549	120	32
FTMYRS	022/	0	3	3	3	12	1	6	11	1554	26	33	-76	772	1284	37	58
BPOINT	193/	3	3	3	3	12	1	6	12	1580	15	33	-71	724	1110	137	53

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
JOHURG	004/4	3	3	2	2	12	1	6	42	748	-11	-18	30	1552	1857	12	38
		ERRATIC CODED TIME															
WOMERA	445/	4	4	3	3	12	1	7	31	500	-5	-19	137	3714	4097	3	32
NELCAL	258/	2	1	0	0	12	1	8	19	1360	60	33	-117	890	896	346	7
FTMYRS	023/	0	0	0	0	12	1	8	28	1680	-15	28	-79	537	651	68	36
ANTGUA	270/	4	4	4	4	12	1	8	33	1489	-68	19	-59	524	645	50	37
		WHISTLERS ON TAPE.															
JOBURG	004/5	4	4	2	2	12	1	9	5	574	-4	-31	31	2551	2660	155	20
		TM-FAIR RECORDING,BAD 100 KC,ERRATIC CODED TIME															
NELCAL	259/	3	3	3	3	12	1	10	37	1544	21	29	-116	560	702	164	39
JOBURG	004/6	4	4	0	0	12	1	11	28	459	-2	-33	30	3324	3461	170	20
		TM-HIGH NOISE LEVEL															
QUITOE	501/	0	(5)	0	0	12	1	13	9	736	-33	-13	-77	1285	1989	172	56
LIMAPU	281/	5	5	2	2	12	1	13	9	736	-33	-13	-77	1285	1294	164	7
AGASTA	485/	0	(0)	0	0	12	1	13	12	643	-26	-18	-69	1514	1681	14	29
JOBURG	004/7	3	2	0	0	12	1	13	54	377	0	-24	28	3744	3751	349	4
		TM-VERY HIGH NOISE LEVEL															
LIMAPU	282/	3	(3)	0	0	12	1	15	32	527	-16	-29	-75	2291	3228	175	54
AGASTA	486/	0	(5)	3	3	12	1	15	33	511	-15	-30	-73	2367	2525	198	24
SNTAGO	239/	4	7	0	0	12	1	15	34	496	-14	-31	-70	2442	2464	11	9
JOBURG	005/1	3	0	0	0	12	1	16	26	374	6	-3	29	3249	4530	1	57
LIMAPU	283/	3	(3)	0	0	12	1	17	55	420	-11	-33	-75	3148	4300	176	55
SNTAGO	240/	4	5	0	0	12	1	17	57	398	-10	-33	-71	3253	3253	278	1
AGASTA	487/	0	(6)	0	0	12	1	17	58	388	-9	-33	-69	3301	3543	172	26
LIMAPU	284/	3	4	0	0	12	1	20	20	337	-6	-27	-77	3691	4272	180	39
		WHISTLERS ON TAPE.															
AGASTA	488/	5	5	0	0	12	1	20	23	320	-4	-25	-72	3732	3745	228	6
		WHISTLERS ON TAPE.															
SNTAGO	241/	0	1	0	0	12	1	20	24	316	-4	-24	-70	3741	3940	2	23
LIMAPU	285/	4	4	0	0	12	1	22	51	336	5	-8	-77	3487	3521	2	10
AGASTA	489/	3	3	0	0	12	1	22	53	347	7	-6	-74	3408	4206	348	46
ANTGUA	271/	3	1	0	0	12	1	23	1	423	13	3	-62	3001	3526	180	39
WOMERA	447/	4	4	3	3	12	2	0	6	1053	-19	-23	137	1767	2022	3	33
		SIGNALS PINCHED,SPURIOUS FREQUENCY OF 540 CPS ALSO RECORDED															
QUITOE	502/	4	3	1	1	12	2	1	20	624	28	15	-78	2403	3133	0	48
ANTGUA	272/	4	3	2	2	12	2	1	28	871	31	25	-60	1781	2043	14	34
WOMERA	448/	6	0	0	0	12	2	2	29	822	-19	-33	139	2740	2759	139	8
NELCAL	260/	3	0	0	0	12	2	3	27	526	22	11	-117	2632	3869	180	59
BPOINT	194/	4	3	3	3	12	2	3	44	1166	41	31	-74	1327	1648	160	41
WOMERA	449/	5	4	4	4	12	2	4	54	617	-12	-31	140	3515	3541	81	9
NELCAL	261/	4	2	2	2	12	2	5	52	1010	54	29	-114	1492	1593	140	23
FTMYRS	024/	0	3	3	3	12	2	6	2	1522	26	33	-75	813	1313	39	56
		WHISTLERS ON TAPE															
BPOINT	195/	3	3	3	3	12	2	6	2	1522	26	33	-75	813	1031	164	41
		WHISTLERS ON TAPE															
JOBURG	005/2	3	3	0	0	12	2	6	33	769	-12	-19	30	1491	1735	16	34
WOMERA	450/	4	4	2	2	12	2	7	20	499	-5	-19	135	3742	4111	354	31
		S/N HIGH															
NELCAL	262/	4	4	4	4	12	2	8	11	1394	56	33	-113	877	980	75	28
FTMYRS	025/	0	0	0	0	12	2	8	19	1655	-11	27	-79	551	640	77	32
ANTGUA	273/	4	4	4	4	12	2	8	24	1479	-65	18	-60	516	588	57	30
		WHISTLERS ON TAPE															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
JOBURG	005/3	3	0	0	0	12	2	8	55	595	-5	-31	30	2420	2522	167	19
		TM-POSSIBLE SUCCESS,HIGH NOISE															
NELCAL	263/	4	4	4	4	12	2	10	29	1540	13	27	-112	554	977	139	59
JOBURG	005/4	3	0	0	0	12	2	11	18	470	-3	-33	29	3237	3370	173	20
		TM-POSSIBLE SUCCESS,HIGH NOISE															
QUITOE	503/	0	(2)	2	2	12	2	13	0	748	-33	-14	-77	1227	2055	173	60
LIMAPU	286/	4	4	4	4	12	2	13	0	748	-33	-14	-77	1227	1261	173	14
AGASTA	4 0/	0	(0)	0	0	12	2	13	3	656	-26	-19	-69	1454	1573	19	25
JOBURG	005/5	3	2	0	0	12	2	13	45	376	-1	-23	29	3738	3763	18	8
		TM-VERY WEAK REPLY															
LIMAPU	287/	0	(3)	0	0	12	2	15	19	618	-22	-27	-85	1916	2843	206	56
		TM-HIGH NOISE LEVEL.															
SNTAGO	242/	X	4	2	2	12	2	15	24	522	-16	-31	-72	2308	2331	343	9
AGASTA	491/	0	(2)	2	2	12	2	15	25	506	-14	-31	-69	2384	2592	171	27
JOBURG	005/6	3	0	0	0	12	2	16	17	368	6	-1	29	3287	4730	3	60
LIMAPU	288/	0	(4)	0	0	12	2	17	47	410	-11	-33	-71	3160	4330	167	55
SNTAGO	243/	4	4	0	0	12	2	17	47	410	-11	-33	-71	3160	3161	281	2
AGASTA	492/	0	(0)	0	0	12	2	17	48	399	-10	-33	-69	3213	3450	174	26
LIMAPU	289/			0	0	12	2	18	0	313	-4	-27	-45	3658	5920	121	71
QUITOE	504/	0	0	0	0	12	2	20	11	333	-6	-26	-76	3676	5101	174	58
SNTAGO	244/	0	(0)	0	0	12	2	20	14	317	-5	-24	-71	3723	3949	0	25
AGASTA	493/	3	0	0	0	12	2	20	18	302	-2	-20	-64	3750	3858	61	17
QUITOE	505/	0	(4)	0	0	12	2	22	41	333	4	-8	-78	3548	3678	173	19
LIMAPU	291/	5	4	0	0	12	2	22	41	333	4	-8	-78	3548	3597	353	12
AGASTA	494/	0	(3)	0	0	12	2	22	47	372	9	-1	-69	3310	4539	4	56
ANTGUA	274/	4	0	0	0	12	2	22	52	426	13	5	-61	3047	3455	177	35
QUITOE	506/	4	2	0	0	12	3	1	11	625	27	16	-78	2461	3304	2	51
ANTGUA	275/	4	3	0	0	12	3	1	19	860	30	26	-59	1843	2169	16	37
WOMERA	451/	3	2	0	0	12	3	2	21	819	-20	-33	143	2755	2852	116	18
NELCAL	264/	4	3	0	0	12	3	3	18	527	22	13	-117	2686	3768	179	55
FTMYRS	026/	0	2	0	0	12	3	3	33	1059	43	30	-80	1540	1604	26	18
BPOINT	196/	4	3	3	3	12	3	3	34	1102	42	31	-77	1463	1751	178	37
		BAD 100 KC															
WOMERA	452/	4	4	4	4	12	3	4	44	629	-12	-30	140	3449	3471	74	8
		WHISTLERS ON TAPE															
NELCAL	265/	4	2	0	0	12	3	5	42	947	50	29	-116	1631	1698	169	18
FTMYRS	027/	0	3	2	3	12	3	5	54	1516	16	33	-71	801	1555	55	65
		WHISTLER ON TAPE															
BPOINT	197/	3	3	2	2	12	3	5	54	1516	16	33	-71	801	1211	137	53
		WHISTLERS ON TAPE.															
JOBURG	005/7	3	3	1	1	12	3	6	25	778	-9	-22	33	1509	1703	48	31
		TM-TIME READOUT 1 MIN. SLOW.															
WOMERA	453/	4	4	4	4	12	3	7	11	489	-7	-17	137	3745	4208	359	35
NELCAL	266/	4	4	4	4	12	3	8	3	1421	50	33	-108	865	1232	84	49
ANTGUA	276/	4	2	2	2	12	3	8	15	1467	-62	18	-60	512	547	71	21
JOBURG	005/8	3	3	0	0	12	3	8	46	612	-5	-32	31	2362	2502	158	23
		TM-NOISE LEVEL HIGH															
NELCAL	267/	3	3	3	3	12	3	10	19	1491	22	28	-116	602	807	171	44
JOBURG	005/9	3	3	0	0	12	3	11	8	482	-4	-33	29	3144	3272	177	20
		TM-NOISE LEVEL HIGH															
LIMAPU	292/	4	4	3	3	12	3	12	52	728	-31	-17	-74	1244	1440	150	33

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	495/	0	3	2	2	12	3	12	54	669	-26	-20	-68	1394	1476	27	21
SNTAGO	245/	0	(1)	0	0	12	3	12	56	620	-21	-23	-63	1550	2181	36	51
JOBURG	006/1	3	3	0	0	12	3	13	35	376	-1	-22	29	3719	3753	10	10
		TM-HIGH NOISE LEVEL															
LIMAPU	293/	0	(3)	0	0	12	3	15	15	533	-16	-31	-70	2249	3474	163	61
AGASTA	496/	0	4	1	1	12	3	15	16	517	-16	-32	-68	2326	2580	165	30
		S/N HIGH															
SNTAGO	246/	4	4	3	3	12	3	15	16	517	-16	-32	-68	2326	2356	65	11
JOBURG	006/2	3	0	0	0	12	3	16	7	358	5	-0	29	3368	4855	1	60
		TM-WEAK SIGNALS,HIGH NOISE															
LIMAPU	294/	0	(0)	0	0	12	3	17	35	451	-14	-33	-77	2941	4115	179	56
AGASTA	497/	0	4	0	0	12	3	17	38	412	-12	-33	-70	3117	3350	177	26
SNTAGO	247/1	4	4	0	0	12	3	17	38	412	-12	-33	-70	3117	3120	60	3
LIMAPU	295/	0	0	0	0	12	3	20	1	337	-7	-26	-76	3636	4108	176	35
QUITOE	507/	0	0	0	0	12	3	20	5	314	-4	-22	-69	3712	4943	158	54
AGASTA	498/	7	0	0	0	12	3	20	5	314	-4	-22	-69	3712	3719	33	4
SNTAGO	247/2	0	0	0	0	12	3	20	5	314	-4	-22	-69	3712	4011	6	28
LIMAPU	296/	4	4	0	0	12	3	22	32	334	5	-6	-77	3572	3668	2	16
AGASTA	499/	0	(4)	0	0	12	3	22	37	367	8	-0	-70	3389	4661	1	56
ANTGUA	277/	4	3	0	0	12	3	22	45	457	14	9	-57	2974	3217	150	27
		NOISY TAPE															
QUITOE	508/	4	4	0	0	12	3	22	46	471	15	10	-56	2912	4467	64	63
WOMERA	455/	4	3	0	0	12	3	23	48	1133	-23	-25	138	1644	1804	13	27
		TM-RECORD RELAY FAILED															
QUITOE	509/	4	7	5	5	12	4	1	2	626	26	18	-77	2518	3479	4	54
BPOINT	198/	4	7	3	3	12	4	1	2	626	26	18	-77	2518	3699	180	58
ANTGUA	278/	4	4	1	1	12	4	1	9	821	28	26	-61	1984	2268	5	34
		INTERROGATIONS BURY SIGNALS															
WOMERA	456/	4	4	4	4	12	4	2	10	880	-23	-33	139	2562	2590	138	10
NELCAL	268/	4	0	0	0	12	4	3	9	529	22	14	-116	2739	3676	177	52
BPOINT	199/	X	4	3	3	12	4	3	25	1082	40	31	-76	1523	1771	173	35
		WHISTLER ON TAPE															
WOMERA	457/	5	4	4	4	12	4	4	34	644	-14	-30	140	3375	3394	65	8
NELCAL	269/	4	6	0	0	12	4	5	33	937	48	30	-115	1693	1741	155	15
FTMYRS	028/	0	(3)	2	2	12	4	5	44	1456	26	33	-75	900	1380	43	54
		OTHER SIGNAL TOO PINCHED TO COUNT. BAD 100 KC.															
BPOINT	200/	3	3	3	2	12	4	5	45	1482	17	32	-71	843	1271	137	53
		BAD 100 KC. POOR QUALITY, PINCHED SIGNALS															
JOBURG	006/3	4	3	0	0	12	4	6	16	799	-9	-23	34	1449	1624	57	30
		TM-HIGH NOISE															
WOMERA	458/	5	4	2	2	12	4	7	1	485	-7	-17	136	3749	4257	358	36
NELCAL	270/	4	3	1	1	12	4	7	52	1286	54	33	-116	1036	1046	43	8
		TIME MAY BE WRONG-WEAK SIGNALS															
FTMYRS	029/	0	3	0	0	12	4	8	3	1572	-29	23	-72	542	1293	111	70
ANTGUA	279/	3	3	3	3	12	4	8	6	1451	-59	17	-61	511	528	102	15
JOBURG	006/4	3	2	1	1	12	4	8	37	629	-5	-32	32	2304	2489	152	26
		TM-WEAK SIGNALS															
NELCAL	271/	4	4	4	4	12	4	10	10	1461	23	27	-116	627	870	174	46
JOBURG	006/5	3	3	1	1	12	4	10	59	491	-5	-32	30	3100	3222	164	19
		TM-WEAK SIGNALS															
LIMAPU	297/	4	7	3	3	12	4	12	42	773	-32	-16	-77	1118	1244	177	28
AGASTA	500/	4	4	0	0	12	4	12	45	683	-26	-21	-68	1336	1391	38	18
SNTAGO	248/	0	(3)	0	0	12	4	12	45	683	-26	-21	-68	1336	2003	11	55

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
JOBURG	006/6	3	0	0	0	12	4	13	25	377	-2	-22	29	3692	3737	4	11
		TM-VERY NOISY															
LIMAPU	298/	0	(4)	0	0	12	4	15	5	563	-19	-31	-72	2111	3331	167	61
AGASTA	501/	0	(4)	3	3	12	4	15	6	544	-17	-32	-69	2189	2440	173	31
SNTAGO	249/	4	4	1	1	12	4	15	6	544	-17	-32	-69	2189	2201	47	7
LIMAPU	299/	0	(4)	0	0	12	4	17	28	426	-13	-33	-70	3015	4190	164	56
SNTAGO	250/	4	4	0	0	12	4	17	28	426	-13	-33	-70	3015	3016	26	2
		NO 100 KC															
AGASTA	502/	0	(4)	1	1	12	4	17	30	401	-11	-32	-66	3129	3365	155	27
LIMAPU	300/	0	0	0	0	12	4	19	51	341	-7	-25	-76	3588	4030	177	34
QUITOE	510/	0	0	0	0	12	4	19	53	327	-6	-23	-73	3641	4873	167	55
AGASTA	503/	3	0	0	0	12	4	19	55	316	-4	-22	-70	3683	3693	15	5
SNTAGO	251/	0	0	0	0	12	4	19	55	316	-4	-22	-70	3683	4015	4	30
QUITOE	511/	4	3	0	0	12	4	22	23	336	6	-4	-76	3594	3641	143	11
		NO CODED TIME															
LIMAPU	301/	5	3	0	0	12	4	22	23	336	6	-4	-76	3594	3758	8	21
AGASTA	504/	0	(2)	0	0	12	4	22	28	371	8	2	-69	3421	4859	3	59
ANTGUA	280/	4	3	0	0	12	4	22	33	422	12	7	-61	3188	3456	178	28
WOMERA	460/	4	4	4	4	12	4	23	40	1149	-25	-27	142	1663	1811	50	26
QUITOE	512/	4	2	0	0	12	5	0	52	602	24	18	-78	2644	3600	0	53
BPOINT	201/	2	(0)	0	0	12	5	0	53	626	25	19	-76	2573	3614	178	55
ANTGUA	281/	4	3	1	1	12	5	1	0	811	26	27	-60	2045	2391	8	36
WOMERA	461/	6	0	0	0	12	5	2	0	924	-25	-33	138	2432	2451	158	8
NELCAL	272/	2	2	0	0	12	5	2	59	511	20	14	-117	2856	3741	180	50
FTMYRS	030/	0	(0)	0	0	12	5	3	16	1062	37	32	-75	1584	1852	47	35
BPOINT	202/	4	4	4	4	12	5	3	16	1062	37	32	-75	1584	1801	167	32
WOMERA	462/	5	4	4	4	12	5	4	23	676	-16	-30	137	3244	3246	12	3
NELCAL	273/	3	3	2	2	12	5	5	25	972	48	31	-111	1675	1786	107	23
FTMYRS	031/	0	4	4	4	12	5	5	35	1422	25	33	-74	947	1418	45	53
		PINCHED SIGNALS. WHISTLERS ON TAPE															
BPOINT	203/	4	4	4	4	12	5	5	35	1422	25	33	-74	947	1203	159	41
		PINCHED SIGNALS. WHISTLERS ON TAPE															
JOBURG	006/7	4	4	1	1	12	5	6	6	830	-10	-22	31	1315	1426	34	25
NELCAL	274/	4	4	3	3	12	5	7	43	1260	52	33	-115	1088	1102	58	10
FTMYRS	032/	0	0	0	0	12	5	7	52	1565	-5	25	-79	614	680	120	27
ANTGUA	282/	4	2	0	0	12	5	7	57	1433	-56	16	-61	514	533	149	16
		POOR 100 KC. WHISTLERS ON TAPE															
JOBURG	006/8	3	3	1	1	12	5	8	25	663	-6	-31	25	2010	2155	208	24
		TM-WEAK SIGNALS															
NELCAL	275/	3	4	3	3	12	5	10	1	1430	22	27	-116	656	940	175	49
QUITOE	513/	4	2	2	2	12	5	10	12	1239	-55	5	-78	553	891	10	55
		WHISTLER ON TAPE															
JOBURG	006/9	0	0	0	0	12	5	10	49	504	-5	-32	30	2997	3111	168	19
		TM-OPERATOR ERROR															
JOBURG	006/10	3	0	0	0	12	5	10	50	499	-4	-32	32	3056	3181	150	20
		TM-WEAK SIGNAL.															
LIMAPU	302/	4	(0)	0	0	12	5	12	34	755	-30	-19	-74	1134	1478	158	44
		TM-NOT TAPED DUE TO OPEN INPUT															
SNTAGO	252/	0	(8)	0	0	12	5	12	34	755	-30	-19	-74	1134	2076	347	64
AGASTA	505/	4	6	3	3	12	5	12	35	725	-28	-21	-71	1206	1262	347	19
SNTAGO	253/	4	4	3	3	12	5	14	57	555	-18	-32	-68	2129	2152	73	10
		WEAK SIGNALS															

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
AGASTA	506/	0	4	4	4	12	5	14	58	537	-17	-33	-65	2207	2573	154	36
LIMAPU	303/	0	(3)	0	0	12	5	17	18	441	-14	-32	-71	2906	4072	166	56
AGASTA	507/	0	(4)	0	0	12	5	17	19	427	-13	-32	-69	2968	3182	171	26
SNTAGO	254/	4	4	0	0	12	5	17	19	427	-13	-32	-69	2968	2980	57	6
QUITOE	514/	0	0	0	0	12	5	19	41	346	-7	-24	-77	3532	4826	176	56
LIMAPU	304/	0	0	0	0	12	5	19	41	346	-7	-24	-77	3532	3944	179	33
SNTAGO	255/	0	0	0	0	12	5	19	44	325	-5	-22	-72	3621	3942	355	30
AGASTA	508/	4	0	0	0	12	5	19	45	320	-5	-21	-70	3645	3662	3	7
QUITOE	515/	0	(3)	0	0	12	5	22	13	335	5	-3	-77	3640	3667	144	9
LIMAPU	305/	5	3	0	0	12	5	22	13	335	5	-3	-77	3640	3831	3	23
		S/N LOW															
AGASTA	509/	0	(2)	0	0	12	5	22	18	367	8	2	-70	3489	4979	1	60
ANTGUA	283/	4	3	0	0	12	5	22	24	426	12	9	-61	3227	3414	172	24
WOMERA	463/	4	3	2	2	12	5	23	30	1215	-26	-27	139	1523	1626	30	23
		TM-SUN INTERFERENCE DURING PASS															
QUITOE	516/	4	6	4	4	12	6	0	44	627	24	20	-76	2628	3837	8	58
BPOINT	204/	4	5	1	1	12	6	0	44	627	24	20	-76	2628	3540	176	52
ANTGUA	284/	4	4	2	2	12	6	0	51	801	25	28	-59	2106	2518	12	39
WOMERA	464/	4	3	2	2	12	6	1	51	945	-27	-33	139	2375	2409	138	11
NELCAL	276/	3	3	2	2	12	6	2	50	514	21	16	-116	2905	3656	177	46
FTMYRS	033/	0	2	0	0	12	6	3	5	969	37	31	-81	1803	1889	12	20
BPOINT	205/	4	2	0	0	12	6	3	7	1042	34	32	-74	1645	1843	160	30
WOMERA	465/	4	4	3	3	12	6	4	14	679	-17	-29	139	3204	3220	42	7
NELCAL	277/	4	4	3	3	12	6	5	15	916	43	31	-114	1816	1862	120	15
BPOINT	206/	4	4	4	4	12	6	5	27	1411	16	32	-70	933	1413	138	53
		WHISTLER ON TAPE															
FTMYRS	034/	0	4	4	4	12	6	5	27	1411	16	32	-70	933	1655	61	62
WOMERA	466/	2	2	0	0	12	6	6	42	472	-8	-14	137	3738	4415	0	42
NELCAL	278/	4	4	4	4	12	6	7	34	1233	50	33	-115	1141	1162	70	12
FTMYRS	035/	0	0	0	0	12	6	7	43	1530	-3	25	-80	641	719	135	28
ANTGUA	285/	4	2	2	2	12	6	7	49	1359	-58	13	-58	513	799	138	53
NELCAL	279/	4	4	4	4	12	6	9	52	1397	22	26	-117	687	1018	177	51
QUITOE	517/	4	4	4	4	12	6	10	4	1175	-54	2	-75	558	771	53	46
JOBURG	007/1	X	2	2	2	12	6	10	40	513	-5	-31	31	2950	3061	154	19
AGASTA	510/	4	4	4	4	12	6	12	25	769	-30	-20	-74	1082	1236	316	32
		BAD 100 KC. POOR SIGNAL.															
LIMAPU	306/	4	6	1	1	12	6	12	25	769	-30	-20	-74	1082	1512	160	49
SNTAGO	256/	0	(5)	1	1	12	6	12	27	712	-26	-23	-68	1223	1755	15	51
AGASTA	511/	0	4	4	4	12	6	14	48	566	-19	-33	-67	2069	2411	162	36
SNTAGO	257/	4	4	4	4	12	6	14	48	566	-19	-33	-67	2069	2113	85	14
AGASTA	513/	0	(4)	0	0	12	6	17	9	443	-14	-32	-69	2857	3065	175	26
LIMAPU	307/	0	(4)	0	0	12	6	17	10	429	-14	-31	-67	2920	4117	156	57
SNTAGO	258/	4	4	4	4	12	6	17	10	429	-14	-31	-67	2920	2957	62	11
QUITOE	518/	0	(0)	0	0	12	6	19	31	353	-9	-24	-77	3468	4723	177	56

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
LIMAPU	308/	0	3	0	0	12	6	19	35	324	-6	-20	-71	3599	3898	145	29
		WHISTLER ON TAPE.															
SNTAGO	259/	0	(3)	0	0	12	6	19	35	324	-6	-20	-71	3599	4006	1	33
AGASTA	514/	4	5	0	0	12	6	19	37	314	-5	-19	-67	3650	3734	29	15
QUITOE	519/	4	(4)	0	0	12	6	22	2	330	4	-4	-79	3695	3717	181	8
LIMAPU	309/	4	4	0	0	12	6	22	3	334	5	-2	-77	3677	3901	359	25
ANTGUA	286/	4	4	0	0	12	6	22	15	431	12	11	-60	3266	3390	163	19
		POOR 100 KC															
WOMERA	467/	4	4	4	4	12	6	23	21	1256	-28	-28	140	1464	1552	41	22
QUITOE	520/	0	(0)	0	0	12	7	0	33	584	21	20	-79	2816	3897	360	55
BPOINT	207/	4	1	0	0	12	7	0	34	605	22	21	-77	2749	3614	179	50
ANTGUA	287/	4	3	1	1	12	7	0	42	790	23	29	-58	2166	2649	15	41
		POOR 100 KC, BAD SIGNALS															
WOMERA	468/	6	2	2	2	12	7	1	42	966	-29	-33	141	2316	2376	127	15
NELCAL	280/	4	3	2	2	12	7	2	43	560	23	20	-112	2826	3369	158	40
FTMYRS	036/	0	0	0	0	12	7	2	57	988	33	32	-77	1785	1999	38	31
BPOINT	208/	4	4	4	4	12	7	2	58	1021	32	33	-73	1706	1895	152	29
WOMERA	469/	4	2	2	2	12	7	4	4	701	-20	-29	138	3108	3123	26	7
NELCAL	281/	4	4	3	3	12	7	5	5	864	41	31	-116	1956	1974	147	9
FTMYRS	037/	0	3	3	3	12	7	5	16	1322	29	33	-77	1114	1404	32	41
BPOINT	209/	3	3	1	1	12	7	5	16	1322	29	33	-77	1114	1323	183	36
		BAD 100 KC															
JOBURG	007/2	X	4	3	3	12	7	5	48	870	-9	-24	31	1203	1273	57	21
WOMERA	470/	2	1	0	0	12	7	6	33	462	-8	-13	138	3731	4542	3	45
NELCAL	282/	4	4	4	4	12	7	7	25	1206	47	33	-114	1196	1227	79	14
FTMYRS	038/	0	0	0	0	12	7	7	34	1493	-2	24	-80	671	771	146	31
ANTGUA	288/	4	2	2	2	12	7	7	40	1338	-55	12	-59	518	838	148	55
NELCAL	283/	4	4	4	4	12	7	9	44	1385	15	24	-113	678	1286	157	63
QUITOE	521/	4	3	3	3	12	7	9	55	1164	-51	1	-75	543	684	60	39
		WHISTLERS ON TAPE															
LIMAPU	310/	1	(1)	0	0	12	7	12	16	784	-30	-21	-74	1031	1552	162	53
AGASTA	515/	4	5	5	5	12	7	12	17	754	-27	-23	-71	1099	1108	337	8
		PINCHED SIGNALS. WHISTLERS ON TAPE															
SNTAGO	260/	0	(4)	2	2	12	7	12	18	727	-26	-24	-68	1169	1642	17	50
AGASTA	516/	0	(4)	0	0	12	7	14	38	598	-22	-33	-69	1929	2259	171	36
SNTAGO	261/	4	4	3	3	12	7	14	38	598	-22	-33	-69	1929	1943	78	8
LIMAPU	311/	3	(3)	0	0	12	7	16	57	497	-18	-33	-75	2601	3775	176	58
SNTAGO	262/	4	7	6	6	12	7	16	57	497	-18	-33	-75	2601	2656	277	14
AGASTA	517/	0	(8)	1	1	12	7	17	0	445	-15	-31	-68	2806	2999	165	25
LIMAPU	312/	3	(6)	0	0	12	7	19	22	351	-8	-23	-76	3437	3748	175	30
QUITOE	522/	0	(5)	0	0	12	7	19	23	343	-7	-22	-74	3475	4559	169	52
SNTAGO	263/	0	(2)	0	0	12	7	19	25	329	-6	-20	-71	3545	3993	359	35
AGASTA	518/	4	(6)	0	0	12	7	19	26	323	-5	-19	-69	3576	3636	10	13
QUITOE	523/	4	0	0	0	12	7	21	54	339	6	-1	-76	3690	3703	89	6
LIMAPU	313/	4	0	0	0	12	7	21	54	339	6	-1	-76	3690	4008	4	29
ANTGUA	289/	4	2	0	0	12	7	22	5	425	11	11	-61	3348	3444	169	17

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
WOMERA	471/	7	4	4	4	12	7	23	12	1297	-29	-29	140	1406	1489	53	21
QUITOE	524/	4	(4)	0	0	12	8	0	25	606	21	22	-76	2800	4127	7	60
BPOINT	210/	4	7	0	0	12	8	0	25	606	21	22	-76	2800	3547	176	47
ANTGUA	290/	4	4	2	2	12	8	0	32	758	21	29	-60	2302	2749	8	39
		WEAK SIGNALS, POOR 100 KC															
WOMERA	472/	4	4	4	4	12	8	1	32	1017	-31	-33	139	2182	2219	140	12
NELCAL	284/	3	2	1	1	12	8	2	31	504	18	18	-116	3057	3640	177	41
		VERY WEAK SIGNALS															
BPOINT	211/	4	4	2	2	12	8	2	49	1001	29	33	-72	1766	1958	144	29
WOMERA	473/	4	0	0	0	12	8	3	54	724	-21	-29	137	3007	3024	10	7
		NO 100 KC,NO CODED TIME.															
NELCAL	285/	4	3	2	2	12	8	4	56	855	39	31	-115	2016	2038	118	10
BPOINT	212/	3	3	3	3	12	8	5	8	1315	22	32	-73	1097	1433	154	44
WOMERA	474/	0	0	0	0	12	8	6	23	462	-9	-12	137	3711	4583	2	47
NELCAL	286/	4	4	3	3	12	8	7	17	1224	44	32	-110	1178	1384	92	35
FTMYRS	039/	4	4	4	4	12	8	7	25	1456	-1	23	-80	702	835	154	35
ANTGUA	291/	4	2	2	2	12	8	7	31	1316	-52	11	-59	526	896	156	57
		WHISTLERS ON TAPE.															
NELCAL	287/	0	0	0	0	12	8	9	35	1350	15	23	-113	710	1372	159	64
QUITOE	525/	4	3	3	3	12	8	9	45	1197	-45	3	-79	518	637	349	37
		WHISTLERS ON TAPE															
LIMAPU	314/	3	1	1	1	12	8	12	7	799	-29	-22	-74	982	1601	163	58
SNTAGO	264/	0	(3)	2	2	12	8	12	7	799	-29	-22	-74	982	1696	345	61
AGASTA	519/	4	4	3	3	12	8	12	9	742	-26	-25	-67	1116	1172	116	19
JOBURG	008/1	3	3	0	0	12	8	12	46	386	-4	-18	28	3536	3687	1	21
		TM-WEAK SIGNALS															
AGASTA	520/	0	4	4	4	12	8	14	29	609	-23	-33	-67	1869	2241	166	39
SNTAGO	265/	4	4	4	4	12	8	14	29	609	-23	-33	-67	1869	1901	89	12
SNTAGO	266/	4	7	3	3	12	8	16	48	500	-19	-32	-74	2547	2577	290	10
AGASTA	521/	0	(4)	4	4	12	8	16	49	481	-18	-32	-71	2619	2827	187	27
LIMAPU	315/	3	(3)	1	1	12	8	16	50	463	-16	-31	-69	2688	3841	160	57
LIMAPU	316/	2	(4)	0	0	12	8	19	12	359	-9	-22	-77	3363	3648	177	28
QUITOE	526/	4	(4)	0	0	12	8	19	13	350	-8	-21	-75	3406	4444	170	51
AGASTA	522/	4	7	0	0	12	8	19	15	335	-6	-19	-72	3484	3539	345	13
SNTAGO	267/	0	(3)	0	0	12	8	19	16	329	-6	-18	-70	3520	4074	3	38
QUITOE	527/	4	0	0	0	12	8	21	41	329	3	-3	-81	3742	3772	226	9
LIMAPU	317/	4	0	0	0	12	8	21	44	340	5	0	-77	3717	4076	1	31
ANTGUA	292/	4	0	0	0	12	8	21	56	431	10	13	-60	3382	3439	154	13
WOMERA	475/	5	4	4	4	12	8	23	3	1339	-32	-29	141	1349	1438	66	22
BPOINT	213/	4	4	0	0	12	9	0	15	587	20	22	-77	2914	3616	179	45
QUITOE	528/	4	3	1	1	12	9	0	15	587	20	22	-77	2914	4241	4	59
ANTGUA	293/	4	3	1	1	12	9	0	23	748	20	29	-59	2359	2875	12	42
WOMERA	476/	4	4	4	4	12	9	1	22	1073	-33	-33	138	2044	2068	165	10
NELCAL	288/	3	0	0	0	12	9	2	22	508	18	19	-115	3101	3579	173	37
		TM-PASS APPEARED TO BE LATE															
BPOINT	214/	4	4	0	0	12	9	2	38	921	30	32	-78	1985	2126	184	24
WOMERA	477/	4	3	3	3	12	9	3	45	728	-23	-28	139	2961	3003	26	12

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
NELCAL	289/	4	0	0	0	12	9	4	46	811	35	31	-116	2154	2160	153	5
BPOINT	215/	4	4	4	4	12	9	4	59	1279	21	31	-73	1149	1523	152	45
ANTGUA	294/	2	0	0	0	12	9	5	3	1325	-6	27	-58	888	1507	20	59
JOBURG	008/2	3	3	3	3	12	9	5	29	919	-10	-24	29	1029	1046	12	11
WOMERA	478/	0	0	0	0	12	9	6	14	452	-9	-10	138	3700	4726	4	50
NELCAL	290/	4	4	4	4	12	9	7	7	1153	42	32	-113	1305	1371	92	20
FTMYRS	040/	4	4	0	0	12	9	7	16	1417	0	22	-80	736	910	159	38
ANTGUA	295/	2	2	2	2	12	9	7	22	1291	-48	10	-60	537	969	163	60
JOBURG	008/3	3	3	2	2	12	9	7	50	732	-6	-33	33	1848	2115	154	33
NELCAL	291/	4	4	3	3	12	9	9	26	1314	15	22	-113	744	1465	161	65
		POOR 100 KC															
QUITOE	529/	4	3	3	3	12	9	9	37	1139	-45	-1	-77	519	570	92	25
		WHISTLER ON TAPE															
JOBURG	008/4	3	3	3	3	12	9	10	11	555	-8	-30	31	2669	2752	152	17
LIMAPU	318/	4	(4)	0	0	12	9	11	57	846	-31	-21	-77	875	1418	180	57
AGASTA	523/	4	5	4	3	12	9	12	0	757	-26	-26	-67	1064	1148	127	24
		WHISTLER ON TAPE. NOISY,PINCHED SIGNAL															
SNTAGO	268/	0	2	2	2	12	9	12	0	757	-26	-26	-67	1064	1437	24	46
JOBURG	008/5	3	2	0	0	12	9	12	37	387	-5	-17	30	3511	3735	8	25
		TM-WEAK SIGNAL															
SNTAGO	269/	4	4	4	4	12	9	14	19	645	-25	-33	-69	1730	1734	84	5
AGASTA	524/	0	4	4	4	12	9	14	20	620	-24	-33	-66	1809	2226	161	41
AGASTA	525/	0	(3)	2	2	12	9	16	41	465	-17	-30	-67	2636	2804	160	24
LIMAPU	319/	0	(2)	1	1	12	9	16	41	465	-17	-30	-67	2636	3788	156	57
SNTAGO	270/	4	4	4	4	12	9	16	41	465	-17	-30	-67	2636	2685	46	13
LIMAPU	321/	4	4	0	0	12	9	19	1	379	-11	-22	-79	3233	3555	189	31
AGASTA	526/	4	4	0	0	12	9	19	6	336	-6	-18	-70	3456	3552	359	17
SNTAGO	271/	0	0	0	0	12	9	19	7	330	-6	-17	-69	3494	4171	6	42
QUITOE	530/	0	0	0	0	12	9	21	34	342	5	1	-77	3735	3745	35	5
LIMAPU	322/	0	0	0	0	12	9	21	35	347	5	2	-76	3726	4200	4	35
ANTGUA	296/	3	0	0	0	12	9	21	46	427	9	14	-60	3454	3492	158	10
WOMERA	479/	6	3	3	3	12	9	22	54	1380	-34	-30	142	1292	1396	77	25
QUITOE	531/	4	2	0	0	12	10	0	3	537	17	21	-81	3134	4288	353	55
FTMYRS	041/	3	0	0	0	12	10	0	3	537	17	21	-81	3134	3228	176	17
BPOINT	216/	4	2	0	0	12	10	0	6	589	18	24	-76	2961	3560	175	42
ANTGUA	297/	3	3	0	0	12	10	0	13	719	19	30	-60	2490	2982	7	40
WOMERA	480/	4	3	2	2	12	10	1	13	1098	-36	-33	139	1985	2019	144	12
NELCAL	292/	3	0	0	0	12	10	2	12	496	17	20	-116	3196	3631	176	35
BPOINT	217/	4	4	0	0	12	10	2	29	905	27	33	-76	2044	2167	173	22
FTMYRS	042/	0	4	1	1	12	10	2	31	959	25	33	-70	1886	2439	53	46
ANTGUA	298/	3	1	1	0	12	10	2	34	1029	19	33	-60	1648	2614	5	60
WOMERA	481/	4	4	4	4	12	10	3	35	755	-25	-27	138	2851	2894	14	12
NELCAL	293/	2	2	1	1	12	10	4	38	836	35	32	-112	2135	2198	90	16
		POOR 100 KC, BAD CODED TIME.WHISTLER ON TAPE															
FTMYRS	043/	0	4	4	4	12	10	4	49	1218	25	31	-76	1275	1549	48	38

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
BPOINT	218/	4	4	4	4	12	10	4	49	1218	25	31	-76	1275	1551	170	38
ANTGUA	299/	2	1	1	1	12	10	4	54	1286	-5	26	-58	933	1477	22	56
JOBURG	008/6	0	0	0	0	12	10	5	27	917	0	-32	53	1484	3139	112	74
		TM-INTERROGATED WRONG TIME															
NELCAL	294/	3	3	3	3	12	10	6	58	1125	40	32	-112	1362	1451	97	22
FTMYRS	044/	3	3	3	3	12	10	7	7	1376	2	21	-80	773	995	164	42
ANTGUA	300/	4	3	3	3	12	10	7	13	1264	-45	10	-60	551	1054	168	62
JOBURG	008/7	4	3	2	2	12	10	7	40	757	-6	-33	30	1708	1948	166	33
NELCAL	295/	3	0	0	0	12	10	9	16	1257	19	23	-117	835	1392	179	58
		TM-EXCESSIVE NOISE															
QUITOE	532/	3	2	2	2	12	10	9	28	1124	-41	-2	-77	513	555	125	23
JOBURG	008/8	3	0	0	0	12	10	10	1	573	-8	-30	30	2545	2614	161	16
AGASTA	527/	4	4	3	3	12	10	11	51	773	-26	-27	-67	1015	1135	134	29
SNTAGO	272/	0	(4)	3	3	12	10	11	52	747	-24	-28	-63	1081	1471	52	47
JOBURG	008/9	3	2	0	0	12	10	12	27	392	-5	-16	29	3445	3701	4	27
AGASTA	528/	0	(2)	2	2	12	10	14	10	656	-26	-33	-68	1670	2068	171	41
SNTAGO	273/	3	3	2	2	12	10	14	11	630	-24	-33	-65	1749	1845	95	21
AGASTA	529/	0	2	2	2	12	10	16	31	486	-19	-30	-69	2511	2665	168	23
LIMAPU	323/	0	1	0	0	12	10	16	32	467	-17	-30	-66	2582	3735	152	57
SNTAGO	274/	4	3	3	3	12	10	16	32	467	-17	-30	-66	2582	2675	49	18
LIMAPU	324/	4	0	0	0	12	10	18	51	390	-11	-22	-80	3141	3450	193	30
AGASTA	530/	4	0	0	0	12	10	18	57	337	-5	-16	-69	3426	3582	6	21
SNTAGO	275/	0	0	0	0	12	10	18	57	337	-5	-16	-69	3426	4155	4	44
QUITOE	534/	0	0	0	0	12	10	21	24	345	5	2	-78	3745	3761	14	7
LIMAPU	325/	5	5	0	0	12	10	21	24	345	5	2	-78	3745	4201	357	35
WOMERA	482/	4	4	4	4	12	10	22	44	1453	-32	-30	139	1165	1194	51	14
FTMYRS	045/	0	0	0	0	12	10	23	54	541	16	22	-80	3175	3233	161	13
BPOINT	219/	4	0	0	0	12	10	23	56	573	16	24	-76	3065	3623	178	40
QUITOE	535/	0	0	0	0	12	10	23	58	606	17	26	-72	2946	4665	12	66
ANTGUA	301/	3	0	0	0	12	11	0	3	692	18	30	-61	2617	3100	2	39
WOMERA	483/	4	2	2	2	12	11	1	4	1124	-39	-33	140	1921	1972	130	15
NELCAL	296/	3	0	0	0	12	11	2	3	502	16	21	-115	3235	3585	170	32
FTMYRS	046/	0	0	0	0	12	11	2	18	835	26	32	-81	2261	2390	8	22
BPOINT	220/	5	4	2	2	12	11	2	20	887	25	33	-75	2106	2224	162	22
ANTGUA	302/	2	0	0	0	12	11	2	25	1000	17	33	-59	1711	2657	8	59
WOMERA	484/	3	0	0	0	12	11	3	25	787	-27	-27	137	2731	2778	0	13
NELCAL	297/	3	0	0	0	12	11	4	27	764	30	32	-117	2349	2351	143	2
FTMYRS	047/	0	4	4	3	12	11	4	40	1182	22	31	-75	1335	1609	54	38
BPOINT	221/	4	4	4	4	12	11	4	40	1182	22	31	-75	1335	1645	167	40
ANTGUA	303/	2	1	1	1	12	11	4	45	1245	-4	25	-58	985	1455	25	52
JOBURG	009/1	4	4	0	0	12	11	5	11	953	-8	-26	29	933	935	95	4
		ERRATIC CODED TIME															
NELCAL	298/	4	0	0	0	12	11	6	48	1058	38	32	-115	1500	1517	104	10

STATION	TAPE	A	B	C	D	MON	DAY	HR	MIN	FREQ	DF/DT	LAT	LONG	HGT	RANGE	AZIMUTH	ZEN
FTMYRS	048/	3	1	1	1	12	11	6	59	1335	-5	19	-77	765	1298	149	59
		LAST TAPE															
NELCAL	299/	3	0	0	0	12	11	9	7	1217	20	22	-117	882	1502	179	59
QUITOE	536/	4	3	3	3	12	11	9	19	1108	-37	-3	-78	513	568	156	27
JOBURG	009/2	3	3	0	0	12	11	9	52	585	-9	-30	31	2486	2551	144	15
AGASTA	531/	4	0	0	0	12	11	11	41	816	-28	-26	-70	905	944	181	18
SNTAGO	276/	0	0	0	0	12	11	11	44	738	-22	-30	-60	1097	1646	72	53
JOBURG	009/3	3	0	0	0	12	11	12	17	399	-6	-16	28	3368	3657	0	29
		TM-WEAK SIGNALS															
SNTAGO	277/	4	3	3	3	12	11	14	0	698	-29	-33	-71	1529	1530	255	1
AGASTA	532/	0	3	3	3	12	11	14	1	669	-27	-33	-67	1608	2039	167	43
SNTAGO	278/	4	0	0	0	12	11	16	20	533	-23	-31	-73	2301	2330	324	11
AGASTA	533/	0	0	0	0	12	11	16	21	510	-20	-30	-70	2377	2526	177	23
		LAST TAPE															
LIMAPU	326/	4	0	0	0	12	11	18	43	380	-10	-20	-77	3149	3324	178	23
SNTAGO	279/	0	0	0	0	12	11	18	47	346	-6	-15	-70	3347	4128	2	46
		LAST TAPE															
QUITOE	537/	0	0	0	0	12	11	21	15	354	4	4	-77	3744	3797	19	12
		LAST TAPE															
LIMAPU	327/	0	0	0	0	12	11	21	15	354	4	4	-77	3744	4321	0	39
ANTGUA	304/	2	0	0	0	12	11	21	26	422	8	15	-61	3574	3586	172	6
		LAST TAPE															
WOMERA	485/	2	0	0	0	12	11	22	35	1495	-33	-30	139	1111	1140	68	14
		LAST TAPE															
BPOINT	222/	1	0	0	0	12	11	23	46	559	15	25	-77	3163	3682	180	38
NELCAL	300/	4	0	0	0	12	12	1	52	478	14	21	-117	3364	3722	181	32
		LAST TAPE															
BPOINT	223/	1	0	0	0	12	12	2	10	845	24	33	-77	2243	2346	176	20
		LAST TAPE															
BPOINT	223/	1	0	0	0	12	12	2	10	845	24	33	-77	2243	2346	176	20
		LAST TAPE															
JOBURG	009/4	3	0	0	0	12	12	5	2	969	-7	-27	29	889	896	143	8
JOBURG	009/5	3	0	0	0	12	12	7	21	802	-6	-33	29	1507	1761	176	35
		LAST TAPE															
LIMAPU	328/	0	0	0	0	12	12	18	34	382	-9	-18	-76	3106	3227	169	19
LIMAPU	330/	0	0	0	0	12	13	9	3	1011	-33	-9	-72	517	824	60	54
		LAST TAPE															

Appendix B

Vanguard Data Compilation

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED -FINCH	FIELD -AFSWC	ACTIVITY K(P)
9	18	7	35	20.5	30.21	-119.04	579	36549.	0.2	0	0	NELCAL	-443	73	3
9	18	7	35	34.5	29.96	-118.05	573	36674.	0.2	0	0	NELCAL	-440	72	3
9	18	10	7	45.1	-11.78	-77.63	1260	16842.	0.1	0	0	LIMAPU	-179	-93	5
9	18	10	8	17.3	-12.72	-76.19	1299	16432.	0.2	8	5	LIMAPU	-181	-92	5
9	18	10	8	17.4	-12.72	-76.18	1300	16429.	0.1	0	0	AGASTA	-183	-94	5
9	18	10	8	27.5	-13.01	-75.74	1312	16305.	0.1	0	0	LIMAPU	-183	-93	5
9	18	10	8	38.0	-13.31	-75.27	1325	16173.	0.1	0	0	AGASTA	-186	-96	5
9	18	10	8	38.2	-13.32	-75.26	1326	16173.	0.1	8	5	LIMAPU	-184	-94	5
9	18	14	53	53.3	-33.44	-76.38	3134	9705.	0.1	0	0	SNTAGO	-91	-83	4
9	18	14	55	0.1	-33.36	-73.78	3174	9430.	0.2	0	0	SNTAGO	-92	-80	4
9	18	14	55	42.4	-33.28	-72.16	3231	9260.	0.1	0	6	SNTAGO	-97	-84	4
9	18	14	55	42.4	-33.28	-72.16	3231	9262.	0.1	0	0	SNTAGO	-94	-81	4
9	18	14	56	1.1	-33.23	-71.45	3246	9184.	0.1	0	0	SNTAGO	-102	-89	4
9	18	14	56	1.3	-33.23	-71.44	3247	9196.	0.5	0	5	AGASTA	-89	-75	4
9	18	14	57	8.5	-33.03	-68.91	3301	8951.	0.1	0	0	SNTAGO	-92	-76	4
9	18	14	57	50.3	-32.87	-67.36	3334	8826.	0.1	0	0	SNTAGO	-75	-59	4
9	18	14	58	40.8	-32.65	-65.51	3372	8645.	0.1	0	0	SNTAGO	-94	-78	4
9	18	19	48	10.6	-11.02	-79.93	3558	7744.	0.1	0	0	LIMAPU	-112	-73	4
9	18	19	49	36.9	-9.50	-77.81	3509	7884.	0.1	0	0	LIMAPU	-115	-72	4
9	18	19	50	1.2	-9.06	-77.22	3495	7931.	0.1	0	5	LIMAPU	-116	-72	4
9	18	19	50	1.3	-9.06	-77.21	3495	7930.	0.1	0	0	QUITOE	-118	-73	4
9	18	19	50	20.6	-8.71	-76.74	3483	7970.	0.1	0	0	LIMAPU	-117	-71	4
9	18	19	50	20.8	-8.71	-76.73	3483	7966.	0.2	0	5	QUITOE	-122	-76	4
9	18	19	50	48.8	-8.20	-76.04	3465	8028.	0.2	0	0	LIMAPU	-121	-74	4
9	18	19	51	7.8	-7.85	-75.57	3453	8076.	0.1	0	0	LIMAPU	-117	-69	4
9	18	19	51	8.2	-7.84	-75.56	3453	8075.	0.2	0	5	QUITOE	-118	-71	4
9	18	19	51	26.6	-7.50	-75.11	3441	8119.	0.1	0	0	QUITOE	-120	-71	4
9	18	19	52	48.2	-5.99	-73.09	3384	8337.	0.1	0	0	LIMAPU	-122	-70	4
9	18	19	52	48.3	-5.99	-73.09	3384	8334.	0.1	0	5	QUITOE	-124	-72	4
9	18	19	53	1.1	-5.75	-72.77	3375	8368.	0.1	0	0	QUITOE	-128	-76	4
9	18	19	53	1.2	-5.74	-72.76	3375	8371.	0.1	0	5	LIMAPU	-125	-73	4
9	18	19	54	21.6	-4.22	-70.76	3314	8626.	0.1	0	0	QUITOE	-128	-72	4
9	18	20	0	8.4	2.66	-61.77	3006	10132.	0.3	0	5	ANTGUA	-156	-91	4
9	18	20	0	9.0	2.67	-61.75	3006	10132.	0.1	0	6	ANTGUA	-160	-95	4
9	18	20	0	9.0	2.67	-61.75	3006	10131.	0.	0	0	ANTGUA	-161	-95	4
9	18	20	0	32.3	3.15	-61.12	2982	10254.	0.1	0	6	ANTGUA	-164	-99	4
9	18	20	0	32.5	3.16	-61.12	2982	10259.	0.	0	0	ANTGUA	-161	-95	4
9	18	20	0	32.7	3.16	-61.11	2982	10257.	0.1	0	6	ANTGUA	-163	-98	4
9	18	21	3	45.7	-20.86	133.25	1651	24777.	0.3	0	0	WOMERA	-231	326	5
9	18	21	3	45.9	-20.87	133.26	1651	24774.	0.4	7	6	WOMERA	-232	325	5
9	18	21	3	55.0	-21.08	133.66	1663	24714.	0.3	0	6	WOMERA	-228	325	5
9	18	21	3	55.1	-21.08	133.67	1663	24714.	0.3	0	0	WOMERA	-228	325	5
9	18	21	6	1.5	-23.78	139.27	1832	23776.	0.2	0	6	WOMERA	-213	283	5
9	18	21	6	1.8	-23.79	139.28	1832	23772.	0.1	0	0	WOMERA	-215	281	5
9	18	22	19	17.3	14.32	-78.28	2400	15218.	0.1	0	0	QUITOE	-151	-39	5
9	18	22	19	50.3	15.03	-77.16	2359	15589.	0.1	8	0	QUITOE	-159	-44	5
9	18	22	26	41.9	23.75	-61.16	1825	20697.	0.2	0	0	ANTGUA	-200	-59	5
9	18	22	26	52.3	23.95	-60.70	1811	20826.	0.1	8	0	ANTGUA	-202	-62	5
9	18	23	28	3.1	-32.70	137.84	2727	18936.	0.1	0	0	WOMERA	-157	231	5
9	19	0	41	45.7	29.24	-79.22	1443	26774.	0.6	8	0	BPOINT	-147	42	6
9	19	0	41	54.4	29.37	-78.75	1431	26922.	0.5	0	0	BPOINT	-150	40	6
9	19	2	49	21.7	26.73	-119.71	1644	22449.	0.7	8	0	NELCAL	-187	47	6
9	19	2	50	29.1	27.92	-116.33	1556	23838.	0.1	0	0	NELCAL	-202	51	6
9	19	3	1	7.3	33.35	-76.39	823	36333.	1.0	0	6	BPOINT	-120	109	6
9	19	3	1	7.4	33.35	-76.38	823	36335.	0.2	0	0	BPOINT	-119	110	6
9	19	4	18	55.8	-19.84	134.89	3745	11678.	0.1	0	6	WOMERA	-148	106	6
9	19	4	18	55.8	-19.84	134.89	3745	11680.	0.1	0	0	WOMERA	-146	108	6
9	19	4	19	26.9	-19.38	135.70	3742	11608.	0.3	0	6	WOMERA	-150	101	6
9	19	4	19	27.1	-19.38	135.70	3742	11610.	0.2	0	0	WOMERA	-147	104	6
9	19	4	20	35.0	-18.35	137.45	3732	11466.	0.1	0	0	WOMERA	-147	97	6
9	19	4	20	35.1	-18.35	137.45	3732	11469.	0.1	0	6	WOMERA	-144	100	6
9	19	4	21	20.3	-17.65	138.60	3724	11378.	0.2	0	6	WOMERA	-143	97	6
9	19	4	21	20.4	-17.65	138.60	3724	11376.	0.1	0	0	WOMERA	-144	96	6
9	19	4	21	44.8	-17.27	139.22	3719	11320.	0.3	7	0	WOMERA	-151	87	6
9	19	5	8	55.6	33.42	-118.81	963	32175.	0.1	0	0	NELCAL	-338	83	6

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
9	19	5	9	39.7	33.48	-115.76	918	33173.	0.5	5	0	NELCAL	-346	86	6
9	19	5	22	48.6	19.99	-61.51	515	34279.	0.	0	6	ANTGUA	-385	-33	6
9	19	5	22	49.1	19.98	-61.48	515	34262.	0.1	0	6	ANTGUA	-390	-39	6
9	19	5	22	49.3	19.97	-61.46	515	34250.	0.8	8	0	ANTGUA	-396	-44	6
9	19	5	23	1.2	19.59	-60.74	516	33950.	0.4	0	6	ANTGUA	-402	-61	6
9	19	5	23	1.2	19.59	-60.74	516	33950.	0.5	1	0	ANTGUA	-401	-60	6
9	19	5	23	1.4	19.58	-60.73	516	33949.	0.2	0	6	ANTGUA	-399	-57	6
9	19	7	27	5.0	29.22	-117.28	588	36204.	0.1	0	0	NELCAL	-417	66	3
9	19	7	27	17.3	28.97	-116.43	582	36296.	0.2	0	0	NELCAL	-417	59	3
9	19	7	27	44.8	28.39	-114.52	570	36481.	0.1	0	0	NELCAL	-404	49	3
9	19	9	58	48.1	-12.51	-78.39	1187	17259.	0.4	0	6	LIMAPU	-216	-132	5
9	19	9	58	49.5	-12.55	-78.33	1189	17242.	0.7	7	0	LIMAPU	-216	-132	5
9	19	9	59	6.9	-13.07	-77.53	1210	17032.	0.5	0	6	LIMAPU	-203	-117	5
9	19	9	59	8.0	-13.10	-77.48	1211	17026.	1.0	7	0	LIMAPU	-196	-109	5
9	19	10	0	31.8	-15.50	-73.64	1314	15997.	0.2	0	0	LIMAPU	-216	-121	5
9	19	10	1	10.5	-16.56	-71.88	1362	15547.	0.5	5	5	LIMAPU	-236	-137	5
9	19	10	1	10.6	-16.56	-71.88	1363	15545.	0.3	0	0	AGASTA	-238	-139	5
9	19	10	1	10.7	-16.56	-71.87	1363	15548.	0.3	0	6	AGASTA	-233	-134	5
9	19	10	1	28.1	-17.03	-71.08	1385	15363.	0.3	0	5	LIMAPU	-233	-132	5
9	19	10	1	28.3	-17.04	-71.07	1385	15367.	0.2	0	0	AGASTA	-226	-126	5
9	19	10	1	58.2	-17.82	-69.71	1423	15056.	0.2	0	5	LIMAPU	-229	-127	5
9	19	10	1	58.6	-17.83	-69.70	1424	15057.	0.2	0	0	AGASTA	-225	-123	5
9	19	10	2	16.0	-18.28	-68.90	1446	14876.	0.1	0	5	AGASTA	-233	-129	5
9	19	10	2	16.1	-18.28	-68.90	1446	14874.	0.1	0	0	LIMAPU	-233	-130	5
9	19	10	2	38.4	-18.85	-67.89	1475	14660.	0.6	6	5	LIMAPU	-233	-129	5
9	19	10	2	38.8	-18.86	-67.87	1475	14664.	0.3	0	0	AGASTA	-226	-122	5
9	19	10	3	49.7	-20.59	-64.66	1568	14031.	0.1	0	0	AGASTA	-225	-121	5
9	19	12	20	47.0	-28.47	-78.81	2106	12912.	0.1	0	0	AGASTA	-127	-115	4
9	19	12	21	3.5	-28.70	-78.07	2128	12793.	0.2	1	0	AGASTA	-135	-120	4
9	19	12	21	11.4	-28.81	-77.72	2138	12749.	0.3	0	0	AGASTA	-127	-111	4
9	19	12	23	17.6	-30.38	-72.07	2301	11947.	0.2	7	0	LIMAPU	-136	-105	4
9	19	12	23	17.8	-30.38	-72.06	2301	11948.	0.1	0	6	LIMAPU	-135	-103	4
9	19	12	24	0.7	-30.84	-70.15	2355	11703.	0.3	6	0	LIMAPU	-133	-99	4
9	19	12	24	8.1	-30.91	-69.82	2365	11662.	0.1	0	7	LIMAPU	-132	-97	4
9	19	12	24	17.2	-31.00	-69.42	2376	11619.	0.9	0	7	LIMAPU	-125	-90	4
9	19	12	25	13.4	-31.52	-66.93	2446	11342.	1.2	2	7	LIMAPU	-100	-64	4
9	19	12	25	46.0	-31.79	-65.50	2486	11153.	0.1	0	7	LIMAPU	-123	-87	4
9	19	14	45	20.7	-33.30	-74.26	3101	9713.	0.6	0	7	LIMAPU	-87	-75	4
9	19	14	45	23.2	-33.30	-74.16	3103	9688.	0.1	0	5	AGASTA	-101	-89	4
9	19	14	45	23.3	-33.30	-74.16	3103	9682.	0.1	0	0	SNTAGO	-106	-95	4
9	19	14	45	48.7	-33.23	-73.16	3127	9569.	0.2	0	5	AGASTA	-109	-96	4
9	19	14	45	48.8	-33.23	-73.16	3127	9569.	0.1	0	0	SNTAGO	-108	-96	4
9	19	14	47	3.9	-33.00	-70.26	3194	9269.	0.1	0	5	LIMAPU	-98	-83	4
9	19	14	47	4.2	-33.00	-70.25	3194	9260.	0.1	0	0	AGASTA	-106	-91	4
9	19	14	47	4.3	-33.00	-70.24	3195	9262.	0.1	0	5	SNTAGO	-103	-88	4
9	19	14	48	27.2	-32.65	-67.11	3265	8947.	0.1	0	0	SNTAGO	-105	-88	4
9	19	14	48	27.3	-32.65	-67.11	3265	8946.	0.1	0	5	AGASTA	-106	-89	4
9	19	17	8	27.3	-27.79	-79.58	3632	7987.	0.3	0	0	LIMAPU	-101	-92	2
9	19	17	11	28.1	-25.70	-74.19	3695	7564.	0.2	0	0	SNTAGO	-100	-85	2
9	19	17	11	28.3	-25.70	-74.18	3695	7562.	0.2	0	5	LIMAPU	-101	-86	2
9	19	17	11	46.7	-25.47	-73.65	3700	7520.	0.1	0	0	LIMAPU	-107	-91	2
9	19	17	11	46.7	-25.47	-73.65	3700	7524.	0.1	0	5	SNTAGO	-103	-87	2
9	19	17	12	33.2	-24.89	-72.31	3712	7512.	0.4	0	5	SNTAGO	-27	-10	2
9	19	17	12	33.4	-24.89	-72.31	3712	7434.	0.1	0	0	LIMAPU	-105	-87	2
9	19	19	39	0.5	-9.74	-79.79	3594	7709.	0.1	2	0	LIMAPU	-106	-65	3
9	19	19	40	55.1	-7.71	-77.02	3535	7962.	0.1	0	7	LIMAPU	-58	-11	3
9	19	19	41	42.9	-6.84	-75.87	3507	8014.	0.	0	0	LIMAPU	-111	-62	3
9	19	20	56	26.9	-23.78	137.43	1702	25069.	0.	0	0	WOMERA	-231	305	3
9	19	20	56	52.4	-24.30	138.60	1736	24850.	0.1	0	0	WOMERA	-236	287	3
9	19	20	57	14.1	-24.73	139.60	1765	24667.	0.1	0	0	WOMERA	-233	279	3
9	19	22	17	35.3	24.34	-61.64	1918	20175.	0.1	0	0	ANTGUA	-182	-45	3
9	19	22	17	43.7	24.51	-61.27	1907	20276.	0.	0	0	ANTGUA	-182	-45	3
9	19	23	18	52.1	-32.93	138.11	2642	19544.	0.	0	0	WOMERA	-167	233	3
9	20	0	32	40.0	29.58	-79.88	1532	25940.	0.3	0	0	BPOINT	-137	48	4
9	20	0	32	53.9	29.78	-79.13	1514	26178.	0.5	0	0	BPOINT	-132	54	4
9	20	1	42	21.3	-31.14	137.20	3401	14881.	0.1	0	0	WOMERA	-129	178	4
9	20	2	40	44.0	27.69	-118.87	1698	22321.	0.2	0	0	NELCAL	-185	49	4

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
9	20	2	41	16.2	28.22	-117.26	1656	22955.	0.1	0	0	NELCAL	-191	52	4
9	20	2	52	9.0	33.29	-77.21	881	35426.	0.5	8	6	BPOINT	-128	99	4
9	20	2	52	9.3	33.29	-77.19	881	35425.	0.	7	0	BPOINT	-132	95	4
9	20	2	52	22.9	33.22	-76.23	868	35571.	0.4	8	7	BPOINT	-120	106	4
9	20	4	8	0.1	-20.25	132.56	3749	11763.	0.1	0	0	WOMERA	-133	127	5
9	20	5	0	31.8	33.49	-117.11	991	32006.	0.1	0	0	NELCAL	-325	87	5
9	20	5	14	4.4	19.26	-62.08	513	34053.	0.2	8	0	ANTGUA	-383	-35	5
9	20	7	17	54.3	29.26	-119.35	627	35284.	0.2	0	0	NELCAL	-437	30	5
9	20	7	18	12.0	28.90	-118.14	617	35450.	0.3	0	0	NELCAL	-431	30	5
9	20	9	49	49.8	-13.18	-79.25	1115	17755.	0.1	1	0	LIMAPU	-206	-124	5
9	20	9	50	34.6	-14.51	-77.14	1168	17167.	0.1	1	0	LIMAPU	-228	-140	5
9	20	9	52	52.5	-18.35	-70.66	1336	15577.	0.3	1	5	AGASTA	-250	-143	5
9	20	9	52	52.9	-18.36	-70.64	1337	15571.	0.1	8	0	LIMAPU	-251	-145	5
9	20	9	52	53.4	-18.37	-70.62	1337	15565.	0.1	1	6	LIMAPU	-253	-147	5
9	20	9	53	22.3	-19.12	-69.27	1374	15275.	0.1	0	0	LIMAPU	-250	-141	5
9	20	9	53	22.3	-19.12	-69.27	1374	15277.	0.2	0	5	AGASTA	-248	-139	5
9	20	12	15	19.2	-31.48	-68.90	2299	11914.	0.5	0	5	SNTAGO	-152	-114	6
9	20	12	15	19.2	-31.48	-68.90	2299	11919.	0.3	5	6	SNTAGO	-148	-110	6
9	20	12	15	19.3	-31.49	-68.90	2299	11913.	0.4	0	5	LIMAPU	-153	-115	6
9	20	12	15	19.4	-31.49	-68.89	2299	11913.	0.1	0	6	AGASTA	-153	-115	6
9	20	12	15	19.8	-31.49	-68.87	2300	11913.	0.1	0	0	AGASTA	-150	-112	6
9	20	12	15	32.4	-31.60	-68.30	2316	11846.	0.3	0	6	SNTAGO	-143	-104	6
9	20	12	15	32.6	-31.60	-68.29	2316	11842.	0.1	0	0	SNTAGO	-145	-107	6
9	20	12	15	34.1	-31.62	-68.22	2318	11857.	0.3	0	7	AGASTA	-122	-84	6
9	20	14	38	50.7	-32.47	-67.42	3180	9169.	0.2	0	0	AGASTA	-101	-83	6
9	20	14	39	6.3	-32.38	-66.83	3193	8459.	0.9	0	7	LIMAPU	-749	-731	6
9	20	14	40	46.6	-31.76	-63.12	3278	8312.	0.1	0	7	LIMAPU	-526	-507	6
9	20	17	0	18.5	-26.23	-77.10	3626	8457.	0.3	0	7	AGASTA	533	546	6
9	20	17	4	8.0	-23.30	-70.51	3704	7298.	0.3	3	7	LIMAPU	-144	-123	6
9	20	17	4	26.6	-23.05	-69.99	3709	7293.	0.3	0	7	LIMAPU	-118	-97	6
9	20	19	31	42.6	-6.44	-76.97	3574	7847.	0.4	2	7	LIMAPU	-154	-106	6
9	20	19	31	54.8	-6.22	-76.68	3568	7880.	0.3	2	7	LIMAPU	-147	-98	6
9	20	20	47	29.4	-24.50	137.21	1622	26098.	0.2	0	0	WOMERA	-252	308	6
9	20	20	47	53.5	-24.98	138.35	1654	25886.	0.1	0	0	WOMERA	-247	299	6
9	20	22	1	48.2	17.15	-77.25	2517	15176.	0.2	0	0	BPOINT	-170	-56	6
9	20	22	1	48.7	17.16	-77.23	2517	15177.	0.2	0	6	BPOINT	-175	-61	6
9	20	22	8	42.1	25.21	-61.43	1992	19795.	0.2	2	0	ANTGUA	-198	-65	6
9	20	23	8	40.2	-32.85	135.61	2481	20725.	0.1	0	0	WOMERA	-170	267	6
9	20	23	9	30.5	-33.07	137.87	2542	20285.	0.1	3	0	WOMERA	-170	247	6
9	21	0	24	38.0	30.78	-76.98	1538	26130.	0.3	0	0	BPOINT	-139	46	6
9	21	0	24	46.6	30.88	-76.51	1527	26260.	0.4	0	0	BPOINT	-139	45	6
9	21	2	32	9.6	28.65	-117.76	1748	22244.	0.3	0	0	NELCAL	-187	47	6
9	21	2	32	24.9	28.88	-117.00	1727	22535.	0.	0	0	NELCAL	-188	49	6
9	21	2	42	59.3	33.26	-78.71	954	34355.	0.3	0	0	BPOINT	-137	89	6
9	21	2	43	11.1	33.21	-77.90	942	34485.	0.2	8	0	BPOINT	-137	88	6
9	21	4	0	7.4	-17.91	134.96	3749	11387.	0.1	0	0	WOMERA	-132	115	7
9	21	4	0	7.5	-17.91	134.96	3749	11386.	0.1	0	6	WOMERA	-133	114	7
9	21	4	1	35.3	-16.54	137.16	3749	11146.	0.1	0	0	WOMERA	-139	99	7
9	21	4	1	35.4	-16.54	137.16	3749	11149.	0.1	0	6	WOMERA	-136	101	7
9	21	5	5	27.0	18.29	-62.23	514	33586.	0.1	8	0	ANTGUA	-396	-60	7
9	21	5	5	44.8	17.69	-61.18	513	33163.	0.1	8	0	ANTGUA	-418	-95	7
9	21	7	9	53.5	27.81	-116.61	629	34961.	0.2	0	0	NELCAL	-414	10	7
9	21	9	42	3.9	-15.97	-76.64	1129	17294.	1.4	2	0	LIMAPU	-262	-171	5
9	21	12	3	44.9	-30.34	-75.82	2017	12961.	0.4	5	7	LIMAPU	-513	-490	6
9	21	12	5	10.3	-31.27	-71.75	2130	12684.	0.2	0	0	SNTAGO	-180	-145	6
9	21	12	5	42.3	-31.58	-70.23	2171	12464.	0.2	0	0	LIMAPU	-185	-146	6
9	21	16	52	32.2	-24.23	-74.08	3630	7640.	1.0	0	0	LIMAPU	-85	-67	7
9	21	19	20	19.8	-7.47	-79.96	3662	7795.	0.4	0	7	LIMAPU	28	73	6

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
9	21	19	23	25.1	-4.16	-75.61	3584	7983.	0.3	0	6	LIMAPU	-145	-92	6
9	21	19	23	25.2	-4.16	-75.61	3584	7985.	0.2	0	0	LIMAPU	-144	-91	6
9	21	20	38	2.1	-24.57	135.51	1505	27415.	0.2	0	0	WOMERA	-285	317	6
9	21	20	39	17.5	-26.08	139.21	1604	26716.	0.1	0	0	WOMERA	-266	290	6
9	21	21	59	29.9	25.74	-61.94	2090	19249.	0.2	0	0	ANTGUA	-183	-54	5
9	21	21	59	41.5	25.94	-61.44	2075	19385.	0.4	6	0	ANTGUA	-172	-43	5
9	21	22	59	16.0	-32.98	135.11	2373	21578.	0.	0	0	WOMERA	-176	282	5
9	21	23	0	14.0	-33.21	137.79	2445	21028.	0.1	8	0	WOMERA	-172	260	5
9	21	23	59	23.2	14.23	-116.53	2837	12488.	0.1	3	0	NELCAL	-119	-6	5
9	22	0	0	4.0	15.03	-115.29	2792	12851.	0.8	0	0	NELCAL	-118	-1	6
9	22	0	16	21.2	31.62	-74.78	1564	26024.	0.2	0	0	BPOINT	-124	58	6
9	22	0	16	43.0	31.85	-73.56	1535	26320.	0.2	0	0	BPOINT	-132	49	6
9	22	1	22	34.8	-30.78	135.47	3219	15734.	0.1	0	0	WOMERA	-154	177	6
9	22	1	23	32.2	-30.27	137.52	3267	15377.	0.1	0	0	WOMERA	-157	162	6
9	22	2	23	16.1	29.28	-117.50	1822	21803.	0.1	8	0	NELCAL	-193	36	6
9	22	2	23	50.8	29.76	-115.77	1776	22441.	0.1	0	0	NELCAL	-189	47	6
9	22	2	34	7.2	33.14	-78.89	1011	33476.	0.1	8	0	BPOINT	-125	97	6
9	22	2	34	18.4	33.07	-78.14	999	33603.	0.2	8	0	BPOINT	-124	98	6
9	22	3	50	53.5	-16.74	135.23	3743	11222.	0.1	0	6	WOMERA	-139	103	7
9	22	3	50	53.8	-16.74	135.24	3743	11219.	0.1	0	0	WOMERA	-142	101	7
9	22	4	42	34.1	33.46	-118.22	1128	30116.	0.1	8	0	NELCAL	-277	96	7
9	22	4	43	11.2	33.38	-115.78	1086	30871.	0.1	0	0	NELCAL	-286	95	7
9	22	4	44	1.9	33.18	-112.41	1029	31866.	0.1	8	0	NELCAL	-304	76	7
9	22	4	56	40.9	17.57	-62.89	519	33241.	0.2	8	0	ANTGUA	-411	-85	7
9	22	4	56	49.9	17.26	-62.36	518	33038.	0.1	8	0	ANTGUA	-425	-104	7
9	22	7	1	18.6	27.01	-116.21	652	34380.	0.1	0	0	NELCAL	-307	86	7
9	22	7	1	31.4	26.70	-115.36	644	34367.	1.5	0	7	NELCAL	-406	-21	7
9	22	9	33	16.5	-16.92	-76.93	1073	17648.	0.2	0	5	AGASTA	-283	-192	6
9	22	9	33	17.1	-16.94	-76.90	1073	17645.	0.1	1	0	LIMAPU	-279	-188	6
9	22	14	15	42.9	-33.21	-77.88	2742	10967.	0.1	4	0	LIMAPU	-115	-109	6
9	22	14	16	12.2	-33.12	-76.63	2775	10782.	0.1	0	0	LIMAPU	-119	-110	6
9	22	16	40	16.0	-25.69	-79.03	3498	7327.	0.4	2	7	LIMAPU	-917	-904	5
9	22	16	42	18.1	-24.09	-75.41	3566	7780.	0.4	0	0	LIMAPU	-114	-97	5
9	22	16	44	1.9	-22.66	-72.45	3615	7534.	0.1	0	0	LIMAPU	-114	-93	5
9	22	16	45	43.2	-21.21	-69.66	3656	6812.	0.4	0	7	AGASTA	-640	-616	5
9	22	19	11	10.6	-6.10	-79.77	3685	7657.	0.3	0	0	LIMAPU	-135	-87	5
9	22	19	14	17.3	-2.76	-75.44	3616	8090.	0.3	0	7	LIMAPU	-74	-19	5
9	22	19	23	52.4	7.95	-61.46	3249	10074.	0.1	0	0	ANTGUA	-162	-93	5
9	22	19	24	2.3	8.14	-61.20	3241	10120.	0.1	0	0	ANTGUA	-163	-94	5
9	22	20	29	34.8	-25.83	136.73	1468	28230.	0.1	0	0	WOMERA	-287	322	5
9	22	20	30	15.3	-26.62	138.78	1520	27826.	0.1	0	0	WOMERA	-277	304	5
9	22	21	50	29.0	26.47	-61.87	2172	18842.	0.1	0	0	ANTGUA	-174	-48	2
9	22	21	50	38.9	26.63	-61.44	2160	18953.	0.5	0	0	ANTGUA	-162	-37	2
9	22	22	50	16.7	-33.19	135.71	2296	22233.	0.1	0	0	WOMERA	-182	287	2
9	22	22	51	17.6	-33.36	138.59	2373	21599.	0.3	0	0	WOMERA	-183	257	2
9	22	23	49	29.5	14.44	-117.91	2958	12002.	0.1	0	0	NELCAL	-110	-1	2
9	22	23	49	44.3	14.73	-117.47	2943	12122.	0.7	0	0	NELCAL	-108	3	2
9	23	0	6	32.6	31.45	-77.49	1709	24594.	0.6	0	0	BPOINT	-140	36	3
9	23	1	12	33.8	-30.68	134.20	3108	16359.	0.1	0	0	WOMERA	-117	232	3
9	23	1	14	6.6	-29.82	137.56	3192	15710.	0.2	0	0	WOMERA	-132	194	3
9	23	2	14	55.5	30.31	-115.50	1852	21973.	0.2	0	0	NELCAL	-175	55	3
9	23	2	15	39.9	30.84	-113.25	1793	22755.	0.1	0	0	NELCAL	-181	56	3
9	23	2	16	34.4	31.45	-110.41	1721	23745.	0.1	8	0	NELCAL	-180	62	3
9	23	3	42	59.7	-14.25	137.44	3743	10840.	0.1	0	0	WOMERA	-124	105	3
9	23	4	33	50.8	33.38	-117.62	1181	29481.	0.2	0	0	NELCAL	-277	82	3

TIME			POSITION			MEASURED			REMARKS		MEASURED FIELD		ACTIVITY
MO	DA	HR MN SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
9	23	4 34 37.4	33.20	-114.60	1127	30385.	0.1	0	0	NELCAL	-289	76	3
9	23	4 48 29.5	15.63	-61.52	521	32114.	0.2	8	0	ANTGUA	-429	-138	3
9	23	6 52 13.6	26.86	-117.72	697	33378.	0.1	0	0	NELCAL	-360	21	4
9	23	6 52 42.5	26.17	-115.87	677	33601.	0.1	0	0	NELCAL	-350	16	4
9	23	9 24 4.1	-17.12	-78.49	991	18449.	0.3	7	7	LIMAPU	-167	-84	4
9	23	9 25 8.9	-18.98	-75.19	1062	17610.	0.3	0	0	AGASTA	-245	-143	4
9	23	9 25 22.8	-19.36	-74.48	1078	17442.	0.1	0	0	LIMAPU	-257	-151	4
9	23	9 25 22.9	-19.37	-74.48	1078	17442.	0.1	0	5	AGASTA	-255	-149	4
9	23	9 26 11.8	-20.69	-71.98	1134	16894.	0.2	0	0	AGASTA	-267	-149	4
9	23	9 26 12.0	-20.69	-71.97	1135	16889.	0.3	0	5	LIMAPU	-270	-151	4
9	23	9 26 24.7	-21.02	-71.32	1150	16754.	0.4	0	5	SNTAGO	-269	-149	4
9	23	9 26 24.8	-21.03	-71.31	1150	16754.	0.3	0	5	LIMAPU	-269	-148	4
9	23	9 26 25.1	-21.04	-71.29	1150	16758.	0.1	0	0	AGASTA	-261	-140	4
9	23	9 26 40.2	-21.42	-70.52	1168	16604.	0.7	0	0	AGASTA	-258	-134	4
9	23	9 26 53.4	-21.76	-69.84	1184	16458.	0.1	0	5	LIMAPU	-269	-143	4
9	23	9 26 53.6	-21.76	-69.84	1184	16457.	0.1	0	0	AGASTA	-268	-142	4
9	23	11 46 41.2	-31.80	-72.66	1928	13686.	0.1	8	0	SNTAGO	-188	-151	4
9	23	11 47 7.2	-32.03	-71.35	1963	13486.	0.1	0	0	SNTAGO	-180	-140	4
9	23	11 47 28.5	-32.20	-70.28	1991	13312.	0.6	1	6	SNTAGO	-188	-145	4
9	23	11 47 29.1	-32.20	-70.24	1992	13313.	0.1	8	0	SNTAGO	-183	-140	4
9	23	11 47 43.1	-32.31	-69.54	2010	13206.	0.1	0	0	SNTAGO	-183	-138	4
9	23	14 8 32.3	-32.45	-72.40	2795	10454.	0.2	0	5	SNTAGO	-123	-105	2
9	23	14 8 32.4	-32.45	-72.40	2795	10449.	0.1	0	0	AGASTA	-128	-110	2
9	23	14 8 51.2	-32.34	-71.62	2816	10336.	0.2	0	0	SNTAGO	-131	-112	2
9	23	14 8 51.3	-32.34	-71.62	2816	10332.	0.2	0	5	AGASTA	-136	-116	2
9	23	16 34 2.8	-22.30	-73.36	3556	7312.	0.2	2	7	LIMAPU	-474	-452	5
9	23	16 35 8.9	-21.34	-71.52	3589	7508.	0.1	0	0	LIMAPU	-130	-106	5
9	23	16 35 52.5	-20.69	-70.33	3610	7410.	0.1	0	0	LIMAPU	-140	-115	5
9	23	19 5 21.6	-1.13	-74.96	3640	8080.	0.1	8	0	LIMAPU	-170	-112	4
9	23	19 8 16.4	2.04	-70.89	3559	8640.	0.3	3	0	LIMAPU	-100	-37	4
9	23	19 9 21.7	3.24	-69.34	3524	9289.	0.3	0	7	LIMAPU	335	400	4
9	23	19 14 20.9	8.79	-61.97	3324	9957.	0.1	0	6	ANTGUA	-176	-107	4
9	23	19 14 21.0	8.80	-61.97	3324	9959.	0.1	0	0	ANTGUA	-174	-105	4
9	23	20 20 49.6	-26.69	137.08	1408	29211.	0.1	0	0	WOMERA	-295	330	4
9	23	20 21 25.4	-27.36	138.95	1454	28826.	0.1	0	0	WOMERA	-290	309	4
9	23	21 37 11.4	22.99	-71.72	2570	16040.	0.6	0	5	BPOINT	-145	-25	5
9	23	21 37 12.1	23.00	-71.69	2569	16041.	0.1	0	0	ANTGUA	-150	-30	5
9	23	21 37 23.4	23.19	-71.28	2556	16138.	0.1	0	0	ANTGUA	-159	-39	5
9	23	21 41 21.5	27.10	-61.97	2261	18378.	0.1	0	0	ANTGUA	-174	-51	5
9	23	21 41 31.6	27.26	-61.54	2249	18475.	0.1	0	0	ANTGUA	-173	-50	5
9	23	22 41 17.4	-33.33	136.29	2218	22908.	0.2	8	0	WOMERA	-184	296	5
9	23	22 42 14.9	-33.44	139.07	2291	22259.	0.	0	0	WOMERA	-186	265	5
9	23	23 57 31.3	31.80	-77.50	1733	23892.	0.1	0	0	BPOINT	-133	40	5
9	23	23 57 45.7	31.93	-76.74	1774	24097.	0.2	0	0	BPOINT	-117	56	5
9	24	1 3 40.2	-29.97	135.33	3056	16507.	0.1	0	0	WOMERA	-127	223	4
9	24	1 4 36.8	-29.39	137.39	3109	16073.	0.1	0	0	WOMERA	-139	196	4
9	24	2 6 24.0	31.09	-113.95	1896	21911.	0.1	0	0	NELCAL	-171	56	4
9	24	2 7 22.1	31.69	-110.98	1819	22898.	0.1	0	0	NELCAL	-173	61	4
9	24	2 16 44.3	32.61	-77.65	1108	31878.	0.1	8	0	BPOINT	-142	72	4
9	24	2 16 55.6	32.52	-76.92	1095	31995.	0.1	0	0	BPOINT	-139	74	4
9	24	4 26 8.8	32.90	-113.06	1162	29980.	0.1	0	0	NELCAL	-279	70	4
9	24	4 26 29.1	32.76	-111.75	1138	30351.	0.1	8	0	NELCAL	-276	71	4
9	24	4 27 12.7	32.40	-108.94	1088	31121.	0.1	0	0	NELCAL	-272	64	4
9	24	4 39 49.5	14.64	-61.82	529	31561.	0.1	0	0	ANTGUA	-430	-155	4
9	24	4 39 58.1	14.34	-61.33	527	31375.	0.1	1	0	ANTGUA	-442	-172	4
9	24	6 43 37.8	25.99	-117.32	725	32642.	0.2	0	0	NELCAL	-336	19	4
9	24	6 54 52.5	3.66	-78.29	530	27383.	0.1	8	0	QUITOE	-318	-248	4
9	24	9 15 45.6	-18.86	-77.32	970	18427.	0.4	0	0	LIMAPU	-240	-149	3
9	24	9 16 31.3	-20.14	-74.92	1020	17875.	0.1	0	0	LIMAPU	-267	-161	3
9	24	9 17 49.9	-22.23	-70.78	1108	16999.	0.2	0	5	SNTAGO	-289	-160	3
9	24	9 17 50.1	-22.23	-70.77	1108	16999.	0.1	0	0	LIMAPU	-287	-158	3
9	24	9 17 58.6	-22.45	-70.32	1118	16915.	0.1	0	0	SNTAGO	-283	-153	3

TIME				POSITION			MEASURED		REMARKS			MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
9	24	9	18	5.5	-22.62	-69.96	1126	16841.	0.1	0	5	LIMAPU	-287	-155	3
9	24	9	18	5.6	-22.62	-69.95	1126	16841.	0.1	0	0	SNTAGO	-286	-154	3
9	24	9	18	34.5	-23.33	-68.42	1160	16550.	0.3	0	5	SNTAGO	-286	-149	3
9	24	9	18	36.1	-23.37	-68.34	1162	16547.	0.3	8	0	AGASTA	-273	-136	3
9	24	11	38	17.6	-32.43	-70.58	1895	13793.	0.1	8	5	SNTAGO	-190	-145	3
9	24	11	38	17.8	-32.43	-70.57	1895	13789.	0.	1	0	AGASTA	-194	-148	3
9	24	11	38	24.2	-32.47	-70.24	1904	13736.	0.1	0	5	SNTAGO	-194	-147	3
9	24	11	38	24.3	-32.47	-70.23	1904	13735.	0.1	0	0	AGASTA	-194	-147	3
9	24	11	38	46.3	-32.63	-69.09	1933	13554.	0.1	0	5	SNTAGO	-195	-146	3
9	24	11	38	46.4	-32.63	-69.08	1933	13555.	0.	0	0	AGASTA	-193	-144	3
9	24	11	40	42.7	-33.21	-63.16	2086	12679.	0.4	5	5	SNTAGO	-191	-137	3
9	24	11	40	43.0	-33.21	-63.14	2087	12683.	0.1	0	0	AGASTA	-184	-131	3
9	24	11	40	43.3	-33.21	-63.13	2087	12683.	0.1	0	6	AGASTA	-182	-129	3
9	24	13	57	41.9	-32.74	-76.28	2598	11315.	0.6	0	0	SNTAGO	-139	-128	5
9	24	13	58	20.0	-32.53	-74.63	2643	11096.	0.6	5	7	SNTAGO	-97	-81	5
9	24	13	59	46.9	-31.96	-70.96	2742	10490.	0.7	7	7	LIMAPU	-147	-125	5
9	24	13	59	47.3	-31.96	-70.94	2743	10494.	0.	0	0	AGASTA	-141	-118	5
9	24	13	59	47.3	-31.96	-70.94	2743	10495.	0.1	0	5	SNTAGO	-139	-117	5
9	24	14	0	6.4	-31.82	-70.15	2764	10414.	0.3	0	7	SNTAGO	-105	-82	5
9	24	14	0	8.8	-31.80	-70.05	2767	10364.	0.1	0	0	AGASTA	-142	-118	5
9	24	14	0	25.1	-31.67	-69.39	2785	10275.	0.5	0	0	SNTAGO	-135	-111	5
9	24	16	22	23.9	-23.40	-77.21	3423	8074.	0.1	0	7	LIMAPU	-169	-151	3
9	24	16	22	39.0	-23.18	-76.77	3433	8069.	0.	8	0	LIMAPU	-127	-109	3
9	24	16	26	5.2	-20.13	-70.93	3556	8283.	0.1	0	7	LIMAPU	617	643	3
9	24	16	26	29.6	-19.75	-70.27	3568	8502.	0.2	0	7	LIMAPU	886	912	3
9	24	16	26	42.6	-19.55	-69.92	3575	7915.	0.1	0	7	AGASTA	324	351	3
9	24	18	50	49.2	-5.46	-82.15	3739	7587.	0.2	0	0	LIMAPU	-143	-94	3
9	24	18	52	35.2	-3.60	-79.74	3723	7740.	0.2	0	0	LIMAPU	-138	-85	3
9	24	18	53	50.8	-2.26	-78.02	3707	7869.	0.5	0	0	LIMAPU	-142	-87	3
9	24	19	5	8.7	10.02	-61.94	3379	9974.	0.1	0	0	ANTGUA	-160	-90	3
9	24	19	5	19.1	10.21	-61.67	3371	10637.	0.1	8	7	ANTGUA	458	528	3
9	24	20	11	56.5	-27.34	137.02	1339	30273.	0.2	0	0	WOMERA	-312	335	3
9	24	20	12	17.3	-27.73	138.14	1365	30041.	0.2	0	0	WOMERA	-307	323	3
9	24	21	25	27.3	21.19	-77.03	2827	14208.	1.5	0	7	QUITOE	-361	-249	3
9	24	21	32	12.5	27.71	-62.03	2351	17942.	0.2	0	0	ANTGUA	-155	-35	3
9	24	21	32	27.6	27.93	-61.40	2332	18071.	0.4	1	0	ANTGUA	-159	-40	3
9	24	22	32	3.2	-33.40	136.08	2120	23771.	0.2	0	0	WOMERA	-199	301	3
9	24	22	32	31.4	-33.44	137.49	2156	23429.	0.1	0	0	WOMERA	-198	285	3
9	24	23	37	12.2	22.98	-106.35	2723	14978.	0.1	0	0	NELCAL	-121	19	3
9	24	23	37	35.0	23.36	-105.55	2697	15212.	0.1	0	0	NELCAL	-123	19	3
9	24	23	38	16.1	24.04	-104.09	2650	15649.	0.1	0	0	NELCAL	-122	23	3
9	25	0	54	25.5	-29.41	135.63	2980	16802.	0.1	0	0	WOMERA	-157	200	5
9	25	0	55	8.2	-28.94	137.20	3023	16474.	0.1	0	0	WOMERA	-138	207	5
9	25	2	7	47.0	32.40	-77.96	1176	30898.	0.2	0	0	BPOINT	-149	60	5
9	25	2	7	56.9	32.31	-77.34	1164	31008.	0.1	8	0	BPOINT	-142	67	5
9	25	4	16	18.6	33.06	-116.58	1296	28100.	0.1	0	0	NELCAL	-268	62	5
9	25	4	16	49.6	32.87	-114.66	1258	28650.	0.2	0	0	NELCAL	-272	61	5
9	25	6	35	39.2	24.09	-114.63	725	32111.	0.8	2	0	NELCAL	-309	5	4
9	25	6	46	7.5	2.75	-78.95	521	27118.	0.1	8	0	QUITOE	-309	-241	4
9	25	9	9	19.8	-23.50	-69.95	1073	17200.	0.3	5	0	AGASTA	-311	-173	4
9	25	9	9	30.3	-23.75	-69.38	1085	17086.	0.1	0	0	AGASTA	-318	-177	4
9	25	9	9	30.6	-23.76	-69.36	1085	17085.	0.3	5	6	AGASTA	-315	-174	4
9	25	11	29	21.4	-32.72	-70.16	1819	14166.	0.3	0	5	AGASTA	-193	-143	4
9	25	11	29	21.8	-32.72	-70.14	1819	14157.	0.1	0	0	SNTAGO	-198	-148	4
9	25	11	29	46.1	-32.87	-68.85	1852	13935.	0.2	0	5	AGASTA	-208	-154	4
9	25	11	29	46.4	-32.87	-68.83	1852	13932.	0.1	0	0	SNTAGO	-209	-155	4
9	25	16	17	21.1	-18.57	-69.85	3531	7503.	0.3	0	7	LIMAPU	-168	-139	6
9	25	18	47	46.4	2.45	-73.60	3674	8363.	0.3	0	0	LIMAPU	-156	-93	3
9	25	18	55	59.9	11.31	-61.77	3427	10003.	0.1	0	0	ANTGUA	-160	-89	3
9	25	20	3	5.3	-27.99	137.05	1275	31329.	0.1	0	0	WOMERA	-321	346	3
9	25	20	3	26.4	-28.37	138.23	1301	31079.	0.1	0	0	WOMERA	-318	331	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
9	25	21	16	4.0	21.90	-77.36	2916	14137.	0.4	8	0	BPOINT	-133	-23	5
9	25	21	23	9.2	28.39	-61.75	2431	17551.	0.2	0	0	ANTGUA	-161	-45	5
9	25	21	23	18.1	28.51	-61.38	2420	17629.	0.1	0	0	ANTGUA	-155	-39	5
9	25	22	23	29.5	-33.47	137.88	2074	24157.	0.1	0	0	WOMERA	-208	289	5
9	25	23	39	32.5	32.45	-77.00	1953	22604.	0.3	0	0	BPOINT	-123	42	5
9	25	23	39	47.0	32.56	-76.25	1934	22772.	0.2	0	0	BPOINT	-122	43	5
9	26	0	45	23.8	-28.67	136.35	2915	17035.	0.1	0	0	WOMERA	-153	207	4
9	26	0	45	44.8	-28.42	137.13	2937	16855.	0.1	0	0	WOMERA	-149	205	4
9	26	1	49	26.5	32.40	-110.28	1976	21794.	0.1	8	0	NELCAL	-168	51	4
9	26	1	50	1.4	32.64	-108.49	1930	22333.	0.1	0	0	NELCAL	-163	58	4
9	26	4	7	32.4	32.81	-115.97	1355	27419.	0.1	0	0	NELCAL	-252	64	3
9	26	4	7	58.6	32.62	-114.39	1322	27859.	0.1	0	0	NELCAL	-255	62	3
9	26	4	22	49.5	11.85	-61.26	546	29910.	0.1	8	0	ANTGUA	-460	-222	3
9	26	4	22	58.7	11.52	-60.75	543	29727.	0.1	0	0	ANTGUA	-471	-238	3
9	26	6	37	24.2	1.76	-79.50	515	26792.	0.1	8	0	QUITOE	-294	-226	3
9	26	6	37	49.6	0.80	-78.14	518	26339.	0.1	8	0	QUITOE	-313	-238	3
9	26	8	59	50.1	-23.25	-72.38	974	18064.	0.2	0	5	SNTAGO	-297	-167	3
9	26	8	59	50.5	-23.26	-72.36	975	18062.	0.1	0	0	AGASTA	-296	-166	3
9	26	9	1	5.4	-25.08	-68.17	1056	17270.	0.1	0	0	AGASTA	-308	-156	4
9	26	11	19	54.6	-32.78	-71.45	1703	14822.	0.2	2	5	SNTAGO	-206	-158	4
9	26	11	19	54.7	-32.78	-71.45	1703	14820.	0.2	0	0	AGASTA	-207	-159	4
9	26	11	20	20.4	-32.94	-70.03	1737	14561.	0.2	0	0	AGASTA	-221	-167	4
9	26	13	36	55.2	-33.04	-82.58	2241	13144.	0.1	0	0	SNTAGO	-134	-147	5
9	26	13	41	22.8	-31.20	-70.45	2572	10968.	0.1	0	0	AGASTA	-136	-109	5
9	26	13	41	46.2	-30.98	-69.46	2600	10801.	0.3	0	0	AGASTA	-145	-116	5
9	26	13	42	46.8	-30.39	-66.96	2670	10416.	0.1	0	0	LIMAPU	-143	-112	5
9	26	13	42	46.8	-30.39	-66.96	2670	10416.	0.1	0	5	AGASTA	-143	-112	5
9	26	16	7	27.7	-18.09	-70.68	3462	7723.	0.2	0	0	AGASTA	-116	-85	3
9	26	16	7	53.1	-17.68	-70.00	3478	7663.	0.1	0	0	AGASTA	-122	-91	3
9	26	18	46	41.3	12.44	-61.79	3478	10014.	0.2	0	0	ANTGUA	-150	-79	4
9	26	19	54	11.1	-28.55	136.91	1208	32423.	0.1	0	0	WOMERA	-332	358	4
9	26	19	54	22.2	-28.74	137.55	1222	32287.	0.3	0	0	WOMERA	-332	348	4
9	26	21	13	46.9	28.82	-62.15	2532	17058.	0.1	0	0	ANTGUA	-140	-26	4
9	26	21	13	53.1	28.90	-61.90	2525	17103.	0.1	0	0	ANTGUA	-142	-29	4
9	26	22	14	4.7	-33.47	137.02	1962	25227.	0.1	0	0	WOMERA	-218	306	4
9	26	22	14	22.7	-33.46	137.96	1985	24973.	0.1	0	0	WOMERA	-221	292	4
9	26	23	30	17.0	32.64	-77.40	2054	21816.	0.1	0	0	BPOINT	-120	41	4
9	26	23	30	28.8	32.71	-76.81	2038	21938.	0.2	0	0	BPOINT	-126	35	4
9	26	23	35	6.7	33.46	-61.95	1671	24573.	0.1	0	0	ANTGUA	-159	-11	4
9	26	23	35	17.4	33.44	-61.34	1657	24650.	0.1	0	0	ANTGUA	-166	-19	4
9	27	0	35	55.0	-28.23	136.01	2820	17522.	0.5	2	0	WOMERA	-159	214	3
9	27	0	36	25.2	-27.85	137.13	2852	17246.	0.2	7	0	WOMERA	-147	217	3
9	27	1	38	0.1	31.57	-116.96	2245	19234.	0.6	0	0	NELCAL	-142	54	3
9	27	1	38	37.5	31.90	-115.20	2197	19736.	0.8	0	0	NELCAL	-145	56	3
9	27	1	50	9.5	31.68	-77.29	1296	29149.	0.1	8	0	BPOINT	-139	62	3
9	27	1	50	19.4	31.57	-76.70	1284	29237.	0.1	0	0	BPOINT	-144	56	3
9	27	1	54	27.0	27.64	-61.81	997	30423.	0.1	8	0	ANTGUA	-247	-32	3
9	27	1	54	37.8	27.42	-61.16	985	30413.	0.1	0	0	ANTGUA	-259	-44	3
9	27	3	58	30.6	32.62	-116.24	1434	26494.	0.4	0	0	NELCAL	-230	70	3
9	27	4	13	19.0	12.56	-64.30	582	30098.	0.	0	0	ANTGUA	-418	-180	3
9	27	4	13	42.1	11.74	-63.03	571	29732.	1.2	0	0	ANTGUA	-422	-188	3
9	27	6	17	34.3	23.44	-116.99	831	30141.	0.1	8	0	NELCAL	-275	20	4
9	27	6	29	5.3	-0.17	-78.73	514	26035.	0.9	8	0	QUITOE	-298	-220	4
9	27	6	29	20.1	-0.73	-77.94	515	25787.	0.1	8	0	QUITOE	-310	-227	4
9	27	8	51	33.2	-24.79	-70.77	957	18117.	0.1	8	0	AGASTA	-324	-180	4

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
9	27	11	10	54.5	-32.99	-71.35	1623	15225.	0.3	8	7	SNTAGO	-240	-188	4
9	27	11	10	57.5	-33.01	-71.18	1627	15231.	0.3	0	0	AGASTA	-203	-150	4
9	27	11	11	29.6	-33.16	-69.38	1669	14929.	0.2	7	7	SNTAGO	-182	-121	4
9	27	11	11	30.0	-33.16	-69.36	1670	14894.	0.1	0	5	SNTAGO	-213	-152	4
9	27	11	11	30.2	-33.16	-69.34	1670	14894.	0.1	0	0	AGASTA	-211	-151	4
9	27	11	11	41.2	-33.21	-68.73	1685	14798.	0.1	0	0	AGASTA	-199	-136	4
9	27	11	11	51.5	-33.25	-68.15	1698	14689.	0.3	0	5	SNTAGO	-208	-143	4
9	27	11	11	51.7	-33.25	-68.14	1699	14689.	0.1	0	0	AGASTA	-206	-142	4
9	27	11	11	59.5	-33.27	-67.71	1709	14612.	0.1	0	0	AGASTA	-208	-143	4
9	27	11	12	24.4	-33.35	-66.33	1742	14390.	0.1	0	0	AGASTA	-195	-127	4
9	27	13	31	58.7	-30.89	-70.82	2470	11306.	0.1	0	0	SNTAGO	-143	-114	4
9	27	13	32	8.9	-30.79	-70.38	2482	11233.	0.3	0	0	SNTAGO	-141	-111	4
9	27	13	32	21.5	-30.67	-69.84	2498	11131.	0.1	7	0	SNTAGO	-152	-120	4
9	27	15	58	4.6	-17.13	-70.73	3406	7981.	0.3	0	7	AGASTA	16	49	4
9	27	19	45	22.1	-29.16	137.06	1150	33443.	0.1	0	0	WOMERA	-351	356	3
9	27	19	45	35.5	-29.39	137.85	1166	33270.	0.1	0	0	WOMERA	-351	343	3
9	27	20	57	33.0	23.60	-77.25	3068	13748.	0.1	7	0	BPOINT	-118	-10	3
9	27	20	57	33.3	23.61	-77.25	3068	13751.	0.1	0	6	BPOINT	-117	-9	3
9	27	20	59	3.0	24.95	-74.28	2980	14175.	0.4	7	7	BPOINT	-297	-187	3
9	27	22	4	50.7	-33.46	136.64	1863	26200.	0.1	0	0	WOMERA	-230	317	3
9	27	22	5	5.2	-33.44	137.41	1882	25987.	0.1	0	0	WOMERA	-228	310	3
9	28	0	26	47.7	-27.51	136.40	2744	17836.	0.1	0	0	WOMERA	-160	219	4
9	28	0	26	47.7	-27.51	136.40	2744	17833.	0.1	0	6	WOMERA	-163	217	4
9	28	0	27	21.8	-27.05	137.67	2782	17489.	0.1	0	0	WOMERA	-158	210	4
9	28	1	28	43.8	31.87	-117.14	2342	18625.	0.5	0	0	NELCAL	-144	43	4
9	28	1	29	39.3	32.29	-114.57	2272	19332.	1.2	0	0	NELCAL	-137	57	4
9	28	1	45	43.1	26.88	-61.54	1045	29507.	0.4	7	0	ANTGUA	-256	-44	4
9	28	3	49	30.3	32.38	-116.32	1512	25608.	0.2	0	0	NELCAL	-220	66	3
9	28	3	49	59.0	32.13	-114.67	1475	26044.	0.4	1	0	NELCAL	-220	69	3
9	28	8	42	52.7	-25.70	-70.45	916	18453.	0.1	0	0	SNTAGO	-318	-167	4
9	28	8	43	12.4	-26.15	-69.28	936	18234.	0.1	1	5	AGASTA	-329	-171	4
9	28	8	43	12.5	-26.15	-69.27	936	18232.	0.1	0	0	SNTAGO	-331	-173	4
9	28	11	2	31.7	-33.30	-69.14	1593	15279.	0.2	5	0	SNTAGO	-232	-167	3
9	28	11	2	49.0	-33.35	-68.15	1616	15104.	0.1	0	0	SNTAGO	-229	-159	3
9	28	15	48	28.3	-16.39	-71.18	3335	7545.	0.6	2	7	AGASTA	-598	-564	3
9	28	15	48	28.9	-16.38	-71.17	3335	8008.	0.1	0	0	LIMAPU	-133	-98	3
9	28	15	49	13.0	-15.62	-69.97	3368	7913.	0.	0	0	LIMAPU	-130	-94	3
9	28	15	49	14.0	-15.60	-69.94	3369	7234.	0.6	2	7	AGASTA	-807	-771	3
9	28	18	28	2.9	14.69	-61.72	3568	10066.	0.1	0	0	ANTGUA	-140	-67	3
9	28	18	28	13.2	14.86	-61.46	3563	10091.	0.1	0	0	ANTGUA	-148	-76	3
9	28	19	36	50.4	-30.00	138.25	1114	34222.	0.1	0	0	WOMERA	-370	334	3
9	28	19	37	18.8	-30.44	139.97	1147	33829.	0.1	0	0	WOMERA	-364	310	3
9	28	20	47	36.8	23.86	-78.38	3175	13332.	0.1	8	0	BPOINT	-112	-5	3
9	28	20	55	23.0	29.93	-61.80	2702	16271.	0.1	0	0	ANTGUA	-135	-27	3
9	28	20	55	33.8	30.04	-61.36	2689	16351.	0.2	0	0	ANTGUA	-125	-16	3
9	28	21	55	57.5	-33.38	137.31	1793	26903.	0.1	0	0	WOMERA	-229	328	3
9	28	21	56	7.8	-33.35	137.87	1806	26728.	0.1	0	0	WOMERA	-241	309	3
9	28	23	11	57.5	33.04	-77.30	2235	20475.	0.1	0	0	BPOINT	-117	37	3
9	28	23	12	14.8	33.11	-76.46	2213	20635.	0.2	0	0	BPOINT	-119	34	3
9	28	23	17	13.0	33.28	-61.13	1822	23079.	0.1	0	0	ANTGUA	-164	-24	3
9	29	0	17	41.4	-26.74	136.77	2668	18141.	0.4	0	0	WOMERA	-171	215	3
9	29	0	17	56.1	-26.53	137.32	2685	17980.	0.1	0	0	WOMERA	-170	211	3
9	29	1	19	25.3	32.14	-117.30	2440	18047.	0.1	0	0	NELCAL	-135	45	3
9	29	1	19	51.1	32.32	-116.14	2408	18346.	0.1	0	0	NELCAL	-136	47	3
9	29	1	32	12.9	30.97	-77.49	1443	27238.	0.7	7	0	BPOINT	-136	55	3
9	29	1	32	23.4	30.84	-76.89	1429	27324.	0.2	8	0	BPOINT	-144	47	3
9	29	1	36	52.8	26.20	-61.61	1101	28591.	0.2	0	0	ANTGUA	-250	-43	3
9	29	1	37	3.2	25.98	-61.02	1089	28583.	0.2	0	0	ANTGUA	-264	-57	3
9	29	3	40	36.6	32.04	-115.94	1582	24846.	0.1	0	0	NELCAL	-210	62	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
9	29	3	41	8.2	31.73	-114.17	1540	25297.	0.1	0	0	NELCAL	-208	67	2
9	29	6	11	41.0	-2.30	-79.61	515	25296.	0.3	5	0	QUITOE	-268	-180	2
9	29	6	11	54.8	-2.82	-78.88	514	25094.	0.1	0	0	QUITOE	-290	-197	2
9	29	10	53	42.2	-33.42	-68.46	1529	15598.	0.1	0	0	SNTAGO	-225	-151	3
9	29	10	53	42.4	-33.42	-68.45	1529	15598.	0.1	0	5	AGASTA	-223	-149	3
9	29	10	53	52.7	-33.44	-67.85	1543	15479.	0.1	0	5	AGASTA	-230	-154	3
9	29	10	53	53.0	-33.44	-67.83	1543	15478.	0.1	0	0	SNTAGO	-228	-151	3
9	29	13	15	14.1	-28.78	-66.45	2414	10860.	0.2	0	7	SNTAGO	-397	-355	2
9	29	13	15	14.7	-28.77	-66.42	2415	11097.	0.1	0	0	AGASTA	-156	-113	2
9	29	13	15	33.9	-28.52	-65.62	2438	10965.	0.1	0	5	SNTAGO	-152	-109	2
9	29	13	15	34.1	-28.52	-65.62	2439	10967.	0.1	1	0	AGASTA	-149	-106	2
9	29	15	35	51.6	-18.81	-76.85	3101	8766.	0.3	0	0	LIMAPU	-133	-104	1
9	29	15	36	50.0	-17.80	-75.13	3154	8554.	0.1	0	7	LIMAPU	-143	-110	1
9	29	15	36	50.1	-17.80	-75.13	3154	8576.	0.3	5	0	AGASTA	-121	-88	1
9	29	18	5	25.7	2.13	-80.41	3733	9147.	0.2	0	7	LIMAPU	761	825	1
9	29	18	18	46.6	15.86	-61.54	3604	10134.	0.1	2	0	ANTGUA	-119	-46	1
9	29	18	18	56.7	16.02	-61.29	3600	10159.	0.	0	0	ANTGUA	-125	-52	1
9	29	19	27	34.9	-30.11	136.77	1030	35582.	0.1	4	0	WOMERA	-385	364	1
9	29	19	27	49.4	-30.34	137.67	1046	35386.	0.3	5	0	WOMERA	-383	349	1
9	29	20	46	6.4	30.41	-61.65	2787	15891.	0.2	0	0	ANTGUA	-125	-18	1
9	29	20	46	15.7	30.50	-61.29	2777	15943.	0.1	0	0	ANTGUA	-127	-21	1
9	29	21	46	52.5	-33.29	137.29	1707	27778.	0.2	0	0	WOMERA	-257	318	3
9	29	21	47	12.7	-33.21	138.41	1734	27439.	0.	0	0	WOMERA	-255	305	3
10	1	1	0	38.9	32.59	-117.72	2639	16919.	0.1	0	0	NELCAL	-126	41	4
10	1	1	1	1.5	32.71	-116.74	2612	17142.	0.1	0	0	NELCAL	-125	43	4
10	1	1	14	38.8	29.75	-76.21	1563	25554.	0.2	8	0	BPOINT	-149	32	4
10	1	1	14	52.5	29.55	-75.48	1545	25656.	0.1	0	0	BPOINT	-152	29	4
10	1	1	19	12.4	24.69	-61.60	1217	26734.	0.1	0	0	ANTGUA	-248	-51	4
10	1	1	19	19.6	24.52	-61.22	1208	26740.	0.3	0	6	ANTGUA	-249	-53	4
10	1	3	21	38.9	31.89	-118.73	1815	22487.	0.1	0	0	NELCAL	-190	51	5
10	1	3	22	8.6	31.61	-117.17	1775	22853.	0.1	8	0	NELCAL	-195	50	5
10	1	5	55	2.2	-6.20	-77.95	519	23943.	0.3	0	5	LIMAPU	-334	-220	5
10	1	5	55	2.7	-6.22	-77.93	519	23938.	0.1	4	0	QUITOE	-334	-220	5
10	1	8	16	10.7	-27.30	-71.87	769	19777.	0.1	0	5	SNTAGO	-371	-228	6
10	1	8	16	10.8	-27.30	-71.87	769	19775.	0.1	0	0	AGASTA	-373	-230	6
10	1	8	16	29.8	-27.72	-70.66	785	19571.	0.2	8	5	AGASTA	-370	-214	6
10	1	8	16	30.2	-27.73	-70.63	786	19571.	0.1	0	0	SNTAGO	-365	-209	6
10	1	8	16	47.7	-28.10	-69.51	801	19362.	0.	0	0	SNTAGO	-385	-218	6
10	1	8	16	48.2	-28.11	-69.48	801	19364.	0.1	0	5	AGASTA	-379	-211	6
10	1	10	35	12.0	-33.47	-70.29	1339	16786.	0.1	0	0	SNTAGO	-267	-191	6
10	1	10	35	23.7	-33.48	-69.57	1354	16646.	0.1	0	0	SNTAGO	-260	-180	6
10	1	10	35	38.2	-33.49	-68.68	1372	16470.	0.1	0	0	SNTAGO	-258	-173	6
10	1	12	55	19.4	-28.96	-70.54	2117	12395.	0.1	0	0	SNTAGO	-195	-151	4
10	1	12	55	34.5	-28.75	-69.86	2136	12256.	0.1	0	5	SNTAGO	-200	-153	4
10	1	12	55	34.6	-28.75	-69.85	2136	12258.	0.1	0	0	AGASTA	-197	-151	4
10	1	15	16	0.2	-18.29	-79.33	2870	9479.	0.	0	0	LIMAPU	-144	-114	4
10	1	15	17	44.0	-16.38	-76.16	2977	9288.	0.2	0	7	LIMAPU	85	121	4
10	1	17	59	52.6	17.85	-61.58	3672	10186.	0.1	0	0	ANTGUA	-137	-63	4
10	1	19	9	44.5	-30.89	136.22	916	37710.	0.2	0	6	WOMERA	-419	374	4
10	1	19	9	44.5	-30.89	136.22	917	37710.	0.2	0	0	WOMERA	-418	374	4
10	1	19	9	58.0	-31.08	137.10	930	37524.	0.1	1	0	WOMERA	-418	357	4
10	1	20	27	13.0	31.15	-61.87	2969	15081.	0.1	0	0	ANTGUA	-121	-19	4
10	1	20	27	23.3	31.24	-61.47	2959	15132.	0.3	0	0	ANTGUA	-120	-18	4
10	1	21	28	53.9	-32.97	137.72	1553	29428.	0.1	0	0	WOMERA	-280	326	5
10	1	21	29	4.7	-32.90	138.34	1567	29221.	0.1	0	0	WOMERA	-283	314	5
10	1	22	49	32.2	32.89	-61.88	2110	20708.	0.2	0	0	ANTGUA	-140	-10	5
10	1	22	49	42.6	32.83	-61.36	2096	20767.	0.1	0	0	ANTGUA	-141	-12	5
10	1	23	49	54.3	-24.78	136.40	2397	19531.	0.1	0	0	WOMERA	-187	233	5

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	1	23	50	16.8	-24.40	137.27	2425	19235.	0.1	8	0	WOMERA	-179	232	5
10	2	0	51	7.2	32.75	-118.12	2742	16380.	0.1	8	0	NELCAL	-86	73	3
10	2	0	52	46.5	33.17	-113.84	2629	17263.	0.1	0	0	NELCAL	-117	52	3
10	2	0	53	30.1	33.30	-111.91	2577	17675.	0.1	0	0	NELCAL	-121	52	3
10	2	1	5	20.1	29.51	-77.17	1665	24509.	0.1	0	0	BPOINT	-140	36	3
10	2	1	5	30.0	29.36	-76.66	1652	24577.	0.1	0	0	BPOINT	-145	31	3
10	2	1	10	22.3	23.85	-61.54	1276	25800.	0.1	0	0	ANTGUA	-252	-62	3
10	2	1	10	32.9	23.60	-60.99	1263	25813.	0.2	0	0	ANTGUA	-248	-59	3
10	2	3	12	3.5	31.83	-120.21	1939	21359.	0.1	0	0	NELCAL	-170	55	6
10	2	3	13	8.9	31.18	-116.89	1853	22109.	0.1	0	0	NELCAL	-179	54	6
10	2	5	46	45.6	-8.25	-76.91	522	23382.	0.1	0	0	LIMAPU	-303	-176	6
10	2	5	47	49.7	-10.61	-73.39	515	22659.	0.9	0	6	LIMAPU	-382	-225	6
10	2	5	47	49.9	-10.62	-73.38	515	22662.	0.2	0	0	LIMAPU	-377	-219	6
10	2	8	7	19.1	-27.84	-72.21	729	20180.	0.2	1	0	SNTAGO	-380	-241	5
10	2	8	7	42.1	-28.32	-70.72	747	19932.	0.1	0	0	SNTAGO	-377	-221	5
10	2	8	7	56.0	-28.61	-69.80	759	19776.	0.1	8	0	SNTAGO	-382	-215	5
10	2	10	25	43.8	-33.48	-72.18	1232	17610.	0.1	8	0	SNTAGO	-272	-208	4
10	2	10	26	17.3	-33.49	-70.07	1273	17162.	0.3	8	5	SNTAGO	-273	-191	4
10	2	10	26	17.5	-33.49	-70.06	1273	17162.	0.2	0	6	AGASTA	-271	-188	4
10	2	10	26	17.8	-33.49	-70.04	1274	17157.	0.1	0	0	AGASTA	-272	-189	4
10	2	10	26	31.8	-33.48	-69.15	1291	16982.	0.2	0	5	AGASTA	-264	-176	4
10	2	10	26	32.0	-33.48	-69.14	1291	16978.	0.1	4	0	SNTAGO	-266	-177	4
10	2	12	46	27.6	-28.17	-69.83	2050	12500.	0.3	0	7	SNTAGO	-252	-201	2
10	2	15	8	49.4	-14.97	-75.62	2922	9236.	0.3	1	6	LIMAPU	-125	-84	2
10	2	15	8	50.0	-14.96	-75.60	2923	9235.	0.1	8	0	LIMAPU	-123	-83	2
10	2	17	50	18.4	18.73	-61.72	3699	10248.	0.2	0	0	ANTGUA	-115	-41	2
10	2	17	50	27.5	18.87	-61.48	3697	10267.	0.2	0	0	ANTGUA	-117	-43	2
10	2	19	1	10.7	-31.51	137.34	885	38442.	0.1	0	6	WOMERA	-428	356	2
10	2	19	1	10.9	-31.52	137.36	885	38439.	0.1	0	0	WOMERA	-428	355	2
10	2	20	10	16.2	27.02	-77.49	3424	12790.	0.2	0	0	BPOINT	-98	5	2
10	2	21	19	47.7	-32.80	137.43	1469	30404.	0.1	0	0	WOMERA	-293	334	2
10	2	21	19	58.3	-32.73	138.05	1483	30199.	0.1	0	0	WOMERA	-290	329	2
10	2	22	40	18.5	32.69	-61.93	2204	19977.	0.3	0	0	ANTGUA	-138	-11	2
10	2	22	40	29.0	32.63	-61.43	2190	20029.	0.1	0	0	ANTGUA	-142	-16	2
10	2	23	41	1.0	-23.73	137.01	2332	19741.	0.1	7	0	WOMERA	-181	242	2
10	2	23	41	13.9	-23.50	137.51	2348	19557.	0.1	0	0	WOMERA	-181	236	2
10	3	0	43	50.6	33.35	-112.68	2692	16978.	0.1	0	0	NELCAL	-111	54	1
10	3	0	44	12.6	33.39	-111.72	2666	17170.	0.1	0	0	NELCAL	-112	54	1
10	3	0	56	21.5	28.93	-77.00	1740	23632.	0.3	0	0	BPOINT	-141	29	1
10	3	0	56	33.7	28.74	-76.39	1724	23720.	0.3	0	0	BPOINT	-137	33	1
10	3	3	4	18.8	30.60	-116.08	1917	21481.	0.1	0	0	NELCAL	-172	52	3
10	3	3	4	40.8	30.33	-114.99	1888	21714.	0.1	0	0	NELCAL	-174	51	3
10	3	7	58	59.1	-28.99	-70.45	715	20223.	0.1	8	0	SNTAGO	-387	-226	4
10	3	7	59	9.1	-29.18	-69.78	723	20114.	0.1	0	0	SNTAGO	-387	-218	4
10	3	10	17	26.8	-33.46	-69.61	1214	17460.	0.2	8	0	SNTAGO	-296	-204	3
10	3	10	17	27.6	-33.46	-69.56	1215	17456.	0.3	0	5	AGASTA	-289	-197	3
10	3	10	17	43.1	-33.43	-68.57	1233	17254.	0.1	0	0	SNTAGO	-284	-185	3
10	3	12	37	3.2	-27.86	-70.68	1941	13090.	0.1	2	7	SNTAGO	-147	-94	3
10	3	12	37	16.2	-27.65	-70.08	1958	12932.	0.2	5	5	AGASTA	-179	-124	3
10	3	12	37	16.8	-27.64	-70.05	1959	12935.	0.	0	0	SNTAGO	-169	-114	3
10	3	14	57	52.8	-15.94	-78.84	2733	9856.	0.1	0	0	LIMAPU	-165	-127	3
10	3	14	59	17.2	-14.27	-76.24	2826	9514.	0.2	0	5	QUITOE	-166	-123	3
10	3	14	59	17.4	-14.27	-76.24	2826	9512.	0.1	0	0	LIMAPU	-166	-123	3
10	3	17	40	51.3	19.71	-61.63	3719	10296.	0.1	0	0	ANTGUA	-140	-64	6
10	3	18	51	56.7	-31.57	135.75	818	39686.	0.2	0	6	WOMERA	-454	376	7
10	3	18	51	56.9	-31.58	135.77	818	39683.	0.1	0	0	WOMERA	-454	376	7
10	3	18	52	11.2	-31.76	136.75	831	39488.	0.3	8	6	WOMERA	-451	358	7

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY KIP)
10	3	18	52	11.5	-31.76	136.77	831	39484.	0.1	8	0	WOMERA	-451	357	7
10	3	20	8	17.6	31.84	-61.79	3135	14385.	0.1	0	0	ANTGUA	-116	-18	7
10	3	20	8	28.6	31.91	-61.37	3125	14428.	0.1	0	0	ANTGUA	-116	-18	7
10	3	21	10	30.6	-32.71	136.42	1373	31617.	0.2	0	0	WOMERA	-316	345	7
10	3	21	10	44.3	-32.60	137.25	1390	31339.	0.1	0	0	WOMERA	-312	336	7
10	3	22	7	0.3	24.94	-117.06	3607	11250.	0.4	0	7	NELCAL	-121	-13	7
10	3	22	25	34.5	33.47	-76.86	2696	17345.	0.3	0	6	BPOINT	-212	-78	7
10	3	22	25	34.6	33.47	-76.86	2696	17346.	0.2	0	6	BPOINT	-212	-78	7
10	3	22	25	35.0	33.47	-76.84	2695	17346.	0.1	0	6	BPOINT	-214	-80	7
10	3	22	25	35.0	33.47	-76.84	2695	17347.	0.1	0	0	BPOINT	-214	-80	7
10	3	22	25	44.8	33.47	-76.42	2684	17403.	0.6	5	6	BPOINT	-217	-83	7
10	3	22	25	44.9	33.47	-76.42	2684	17402.	0.3	5	0	BPOINT	-219	-85	7
10	3	22	31	22.6	32.33	-61.06	2273	19355.	0.1	0	0	ANTGUA	-143	-21	7
10	3	22	31	32.7	32.26	-60.59	2260	19410.	0.1	0	0	ANTGUA	-135	-14	7
10	3	23	31	39.5	-23.17	136.46	2230	20346.	0.1	0	0	WOMERA	-206	233	7
10	3	23	31	57.3	-22.84	137.15	2252	20075.	0.1	0	0	WOMERA	-206	224	7
10	4	0	34	14.5	33.40	-113.16	2798	16360.	0.3	0	0	NELCAL	-117	41	5
10	4	0	35	0.9	33.46	-111.19	2746	16734.	0.2	0	0	NELCAL	-116	45	5
10	4	0	47	22.7	28.30	-76.79	1816	22629.	0.1	6	0	BPOINT	-289	-124	5
10	4	0	47	37.3	28.07	-76.09	1796	22721.	0.2	0	6	BPOINT	-290	-125	5
10	4	0	47	37.3	28.06	-76.08	1796	22724.	0.1	0	0	BPOINT	-287	-122	5
10	4	0	47	37.6	28.06	-76.07	1796	22727.	0.2	0	6	BPOINT	-286	-121	5
10	4	0	52	42.8	21.99	-61.29	1397	23935.	0.2	1	0	ANTGUA	-272	-98	5
10	4	0	52	53.5	21.74	-60.76	1383	23932.	0.2	0	0	ANTGUA	-284	-110	5
10	4	2	55	7.9	30.19	-116.24	2008	20637.	0.1	0	0	NELCAL	-182	31	5
10	4	2	55	29.7	29.92	-115.19	1979	20850.	0.1	8	0	NELCAL	-185	30	5
10	4	5	29	41.3	-11.17	-76.39	535	22566.	0.1	1	0	LIMAPU	-354	-217	7
10	4	5	29	41.6	-11.18	-76.38	535	22562.	0.2	0	6	LIMAPU	-355	-218	7
10	4	7	49	50.5	-29.13	-71.90	669	20748.	0.	0	0	AGASTA	-426	-286	5
10	4	7	49	50.6	-29.13	-71.90	669	20748.	0.1	8	5	SNTAGO	-425	-285	5
10	4	7	50	9.8	-29.50	-70.59	682	20533.	0.2	8	6	SNTAGO	-428	-270	5
10	4	7	50	9.8	-29.50	-70.59	682	20533.	0.1	0	0	AGASTA	-428	-269	5
10	4	7	50	9.8	-29.50	-70.59	682	20534.	0.1	1	5	SNTAGO	-427	-268	5
10	4	10	8	27.0	-33.41	-69.79	1145	17890.	0.6	2	7	AGASTA	-309	-212	5
10	4	10	8	27.8	-33.41	-69.75	1146	17872.	0.1	0	6	SNTAGO	-317	-220	5
10	4	10	8	27.8	-33.41	-69.74	1146	17870.	0.1	0	0	SNTAGO	-318	-221	5
10	4	10	8	37.2	-33.39	-69.13	1157	17746.	0.2	6	6	AGASTA	-310	-208	5
10	4	10	8	37.2	-33.39	-69.13	1157	17743.	0.2	0	5	SNTAGO	-313	-211	5
10	4	10	8	37.2	-33.39	-69.13	1157	17747.	0.2	0	0	AGASTA	-309	-207	5
10	4	12	27	56.0	-27.28	-70.82	1854	13351.	0.1	0	5	AGASTA	-230	-172	6
10	4	12	27	56.0	-27.28	-70.82	1854	13355.	0.1	0	0	SNTAGO	-226	-168	6
10	4	12	28	14.4	-26.97	-69.96	1878	13167.	0.2	0	5	AGASTA	-227	-167	6
10	4	12	28	14.7	-26.97	-69.95	1879	13167.	0.1	8	0	SNTAGO	-224	-164	6
10	4	14	48	50.4	-14.72	-78.63	2663	10106.	0.1	0	5	QUITOE	-149	-107	6
10	4	14	48	50.6	-14.71	-78.62	2664	10106.	0.1	0	0	LIMAPU	-148	-106	6
10	4	14	50	10.3	-13.09	-76.16	2754	9782.	0.1	0	5	QUITOE	-153	-106	6
10	4	14	50	10.4	-13.09	-76.15	2754	9783.	0.1	0	0	LIMAPU	-152	-105	6
10	4	18	43	24.3	-32.13	137.00	791	40312.	0.2	0	6	WOMERA	-480	336	4
10	4	18	43	25.4	-32.14	137.08	792	40314.	0.1	0	0	WOMERA	-463	351	4
10	4	19	50	10.3	27.55	-79.30	3568	12515.	0.7	0	6	BPOINT	105	205	4
10	4	19	50	11.4	27.56	-79.26	3567	12516.	0.3	0	0	BPOINT	102	203	4
10	4	19	50	28.8	27.75	-78.72	3558	12573.	0.2	7	6	BPOINT	101	201	4
10	4	19	50	28.9	27.75	-78.72	3558	12576.	0.1	0	0	BPOINT	104	205	4
10	4	19	50	29.0	27.76	-78.72	3558	12575.	0.2	0	6	BPOINT	102	203	4
10	4	19	58	47.4	32.14	-61.70	3214	14071.	0.1	0	0	ANTGUA	-112	-15	4
10	4	19	59	2.0	32.23	-61.16	3201	14121.	0.1	0	0	ANTGUA	-112	-16	4
10	4	21	2	4.6	-32.17	138.42	1343	31792.	0.1	0	0	WOMERA	-315	332	3
10	4	21	57	19.1	25.55	-117.24	3648	11222.	0.2	0	6	NELCAL	-90	16	3
10	4	21	57	19.2	25.55	-117.24	3648	11225.	0.1	7	0	NELCAL	-88	19	3
10	4	22	2	23.8	29.00	-107.86	3500	12524.	0.5	7	0	NELCAL	-90	28	3
10	4	22	21	52.4	32.16	-61.72	2384	18610.	0.2	0	0	ANTGUA	-137	-17	3
10	5	0	23	10.4	33.29	-117.14	2989	15197.	0.1	0	0	NELCAL	-102	43	5

TIME					POSITION			MEASURED		REMARKS				MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
10	5	0	23	36.0	33.35	-116.10	2963	15374.	0.1	0	0	NELCAL		-103	44	5
10	5	0	38	11.5	27.80	-77.12	1907	21864.	0.3	0	0	BPOINT		-147	12	5
10	5	0	38	22.4	27.63	-76.61	1893	21924.	0.2	0	0	BPOINT		-152	8	5
10	5	2	45	36.8	29.99	-117.26	2125	19675.	0.1	0	0	NELCAL		-168	34	5
10	5	2	45	51.1	29.82	-116.60	2106	19804.	0.1	0	0	NELCAL		-169	34	5
10	5	5	20	17.9	-10.79	-78.90	561	22567.	0.2	0	0	LIMAPU		-308	-194	4
10	5	7	41	46.8	-30.43	-68.89	668	20584.	0.1	8	0	SNTAGO		-418	-235	3
10	5	7	41	47.1	-30.44	-68.87	668	20582.	0.2	8	6	SNTAGO		-416	-233	3
10	5	7	42	0.5	-30.66	-67.93	677	20437.	0.2	8	0	SNTAGO		-415	-220	3
10	5	9	59	12.0	-33.39	-71.04	1062	18556.	0.1	0	0	SNTAGO		-312	-222	3
10	5	9	59	37.8	-33.30	-69.33	1091	18167.	0.1	0	5	AGASTA		-320	-213	3
10	5	9	59	38.0	-33.30	-69.32	1091	18166.	0.1	0	0	SNTAGO		-317	-209	3
10	5	12	19	3.7	-26.44	-70.33	1787	13583.	0.2	0	5	AGASTA		-204	-139	3
10	5	12	19	4.5	-26.42	-70.29	1788	13585.	0.1	0	0	SNTAGO		-193	-128	3
10	5	12	19	16.7	-26.20	-69.73	1804	13432.	0.2	0	6	AGASTA		-221	-154	3
10	5	12	19	16.7	-26.20	-69.72	1805	13437.	0.2	7	0	AGASTA		-216	-148	3
10	5	14	39	45.9	-13.54	-78.54	2590	10378.	0.1	0	7	QUITOE		-149	-104	3
10	5	14	40	47.7	-12.24	-76.60	2662	10139.	0.4	0	7	QUITOE		-139	-89	3
10	5	14	40	47.9	-12.24	-76.60	2662	10133.	0.1	0	0	LIMAPU		-145	-95	3
10	5	14	49	45.1	-1.27	-61.62	3206	9022.	0.9	0	0	ANTGUA		-156	-100	3
10	5	17	11	35.4	11.88	-77.02	3644	9707.	0.1	0	0	QUITOE		-126	-47	4
10	5	17	11	41.9	11.99	-76.86	3647	9720.	0.7	0	6	QUITOE		-120	-41	4
10	5	17	11	46.4	12.06	-76.75	3649	9722.	0.1	8	0	QUITOE		-123	-44	4
10	5	17	21	44.7	21.45	-61.67	3743	10469.	0.1	0	0	ANTGUA		-132	-55	4
10	5	17	21	54.4	21.58	-61.41	3742	10482.	0.1	0	0	ANTGUA		-133	-57	4
10	5	18	34	18.5	-32.25	135.91	739	41375.	0.4	0	0	WOMERA		-483	367	6
10	5	18	34	59.3	-32.65	138.82	772	40803.	0.3	0	0	WOMERA		-473	315	6
10	5	19	41	46.9	28.88	-76.98	3578	12435.	0.	0	0	BPOINT		-100	-0	6
10	5	19	41	55.6	28.97	-76.71	3574	12469.	0.2	0	0	BPOINT		-93	8	6
10	5	19	49	7.3	32.36	-61.91	3294	13755.	0.1	0	0	ANTGUA		-106	-11	6
10	5	19	49	21.3	32.44	-61.39	3283	13801.	0.5	0	0	ANTGUA		-103	-8	6
10	5	20	53	10.5	-31.82	138.67	1278	32523.	0.1	0	0	WOMERA		-336	323	6
10	5	20	53	24.2	-31.67	139.50	1295	32212.	0.1	0	0	WOMERA		-336	310	6
10	5	21	49	16.0	27.30	-114.45	3649	11554.	0.2	0	0	NELCAL		-85	25	6
10	5	22	6	30.3	33.44	-77.36	2894	16322.	0.1	0	0	BPOINT		-97	30	6
10	5	22	6	42.0	33.43	-76.87	2881	16382.	0.1	0	0	BPOINT		-95	32	6
10	5	22	12	38.1	31.84	-61.56	2473	17970.	0.1	0	0	ANTGUA		-131	-14	6
10	5	22	12	48.6	31.75	-61.10	2461	18004.	0.2	0	0	ANTGUA		-138	-22	6
10	5	23	13	32.0	-21.39	136.53	2069	21121.	0.1	0	0	WOMERA		-217	240	6
10	5	23	13	45.4	-21.12	137.07	2086	20893.	0.1	0	0	WOMERA		-215	235	6
10	6	0	13	12.5	33.32	-118.19	3101	14611.	0.1	0	0	NELCAL		-105	34	6
10	6	0	13	30.8	33.36	-117.46	3084	14729.	0.1	0	0	NELCAL		-102	38	6
10	6	0	15	17.8	33.47	-113.17	2980	15412.	0.1	0	0	NELCAL		-107	41	6
10	6	0	29	10.7	27.09	-76.90	1985	21043.	0.2	0	0	BPOINT		-149	5	6
10	6	0	34	53.3	20.16	-61.38	1532	22128.	0.1	0	0	ANTGUA		-262	-103	6
10	6	2	36	26.8	29.49	-117.20	2213	18964.	0.2	0	0	NELCAL		-144	48	6
10	6	2	36	44.8	29.26	-116.40	2189	19108.	0.1	0	0	NELCAL		-149	45	6
10	6	5	11	1.6	-10.70	-80.97	593	22393.	0.2	0	0	LIMAPU		-292	-198	6
10	6	5	11	51.2	-12.46	-78.25	571	22162.	0.1	0	0	LIMAPU		-319	-200	6
10	6	7	32	31.8	-30.43	-70.81	624	21151.	0.1	0	5	AGASTA		-443	-289	5
10	6	7	32	32.0	-30.44	-70.79	624	21150.	0.1	8	0	SNTAGO		-442	-287	5
10	6	7	32	44.4	-30.64	-69.92	631	21018.	0.1	0	5	AGASTA		-437	-268	5
10	6	7	32	44.6	-30.65	-69.90	631	21015.	0.1	8	0	SNTAGO		-438	-269	5
10	6	9	50	20.4	-33.28	-70.80	1008	18853.	0.1	0	5	AGASTA		-339	-240	5
10	6	9	50	20.8	-33.27	-70.77	1009	18849.	0.	0	0	SNTAGO		-337	-238	5
10	6	9	50	33.3	-33.22	-69.93	1022	18650.	0.1	0	0	SNTAGO		-345	-236	5
10	6	14	31	36.3	-11.16	-76.75	2581	10450.	0.2	0	0	LIMAPU		-163	-109	5
10	6	14	32	35.2	-9.90	-74.93	2649	10248.	0.2	0	7	QUITOE		-160	-104	5
10	6	14	32	35.7	-9.89	-74.91	2650	10241.	0.1	0	0	LIMAPU		-166	-110	5

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	6	17	0	7.2	10.87	-80.05	3550	9853.	0.2	1	0	QUITOE	-142	-62	5
10	6	17	2	21.8	13.19	-76.74	3615	9970.	0.1	1	0	QUITOE	-137	-56	5
10	6	17	12	7.6	22.25	-61.73	3746	10461.	0.2	0	7	ANTGUA	-244	-167	5
10	6	17	12	19.2	22.41	-61.41	3746	10593.	0.2	0	0	ANTGUA	-124	-47	5
10	6	18	25	29.2	-32.53	135.97	704	42154.	0.	0	0	WOMERA	-496	362	5
10	6	18	25	59.6	-32.80	138.17	727	41739.	0.1	0	0	WOMERA	-492	318	5
10	6	19	32	7.6	29.37	-76.98	3623	12335.	0.1	0	0	BPOINT	-96	4	5
10	6	19	32	16.4	29.45	-76.70	3619	12353.	0.1	0	0	BPOINT	-102	-2	5
10	6	19	39	33.5	32.61	-61.79	3364	13466.	0.2	2	7	ANTGUA	-123	-30	5
10	6	19	39	44.6	32.66	-61.38	3356	13518.	0.1	7	6	ANTGUA	-100	-6	5
10	6	19	39	45.1	32.67	-61.36	3356	13518.	0.1	8	0	ANTGUA	-101	-8	5
10	6	20	44	2.9	-31.59	138.06	1199	33569.	0.5	8	0	WOMERA	-345	340	5
10	6	21	40	28.8	28.42	-112.86	3665	11724.	0.2	0	0	NELCAL	-59	52	4
10	6	21	41	12.9	28.87	-111.49	3649	11850.	0.1	0	0	NELCAL	-89	23	4
10	6	21	57	7.2	33.37	-77.09	2977	15861.	0.1	0	0	BPOINT	-92	31	4
10	6	21	57	18.0	33.35	-76.65	2966	15910.	0.2	0	0	BPOINT	-91	33	4
10	6	22	3	27.8	31.43	-61.16	2555	17368.	0.2	0	0	ANTGUA	-128	-15	4
10	6	23	4	33.1	-20.39	136.68	1994	21459.	0.1	0	0	WOMERA	-201	262	4
10	6	23	4	50.2	-20.02	137.36	2017	21150.	0.1	0	0	WOMERA	-204	249	4
10	7	0	4	42.1	33.46	-115.71	3127	14611.	0.1	1	0	NELCAL	-91	47	3
10	7	0	5	7.5	33.47	-114.71	3103	14757.	0.	0	0	NELCAL	-93	47	3
10	7	0	5	28.6	33.47	-113.87	3084	14885.	0.4	0	0	NELCAL	-89	52	3
10	7	0	19	57.7	26.53	-77.17	2077	20203.	0.1	0	0	BPOINT	-139	11	3
10	7	0	20	7.9	26.36	-76.73	2063	20260.	0.1	0	0	BPOINT	-134	16	3
10	7	0	25	57.4	19.20	-61.43	1601	21273.	0.4	5	6	ANTGUA	-234	-83	3
10	7	0	25	57.6	19.19	-61.42	1601	21278.	0.2	0	0	ANTGUA	-229	-78	3
10	7	0	26	7.5	18.95	-60.98	1588	21265.	0.1	8	0	ANTGUA	-250	-99	3
10	7	0	26	7.7	18.95	-60.97	1588	21266.	0.2	7	6	ANTGUA	-249	-99	3
10	7	2	27	32.3	28.73	-116.41	2279	18383.	0.1	0	0	NELCAL	-143	42	3
10	7	2	27	53.4	28.44	-115.50	2252	18547.	0.1	2	6	NELCAL	-138	48	3
10	7	2	27	54.1	28.43	-115.47	2251	18547.	0.1	0	0	NELCAL	-143	43	3
10	7	2	42	12.5	8.85	-77.75	1144	22716.	0.7	2	0	QUITOE	-251	-134	3
10	7	2	42	52.1	7.60	-75.94	1099	22665.	0.7	2	0	QUITOE	-278	-160	3
10	7	5	2	52.1	-12.99	-79.34	596	21957.	0.3	0	0	LIMAPU	-283	-177	4
10	7	5	3	32.2	-14.39	-77.11	578	21802.	0.3	0	0	LIMAPU	-303	-172	4
10	7	7	23	45.7	-30.91	-70.68	601	21415.	0.2	1	0	SNTAGO	-426	-270	3
10	7	7	23	45.9	-30.91	-70.66	601	21413.	0.3	5	7	AGASTA	-426	-270	3
10	7	7	23	53.8	-31.03	-70.09	605	21319.	0.2	5	7	AGASTA	-433	-267	3
10	7	7	23	54.2	-31.04	-70.06	605	21319.	0.1	1	0	SNTAGO	-428	-261	3
10	7	9	41	25.6	-33.14	-70.79	953	19214.	0.6	1	5	AGASTA	-337	-233	3
10	7	9	41	26.3	-33.14	-70.74	954	19211.	0.2	1	0	SNTAGO	-328	-223	3
10	7	9	41	44.3	-33.03	-69.52	973	18929.	0.4	0	5	AGASTA	-330	-210	3
10	7	9	41	44.5	-33.03	-69.51	973	18927.	0.2	0	6	AGASTA	-328	-209	3
10	7	9	41	44.8	-33.03	-69.49	973	18925.	0.1	0	0	SNTAGO	-327	-207	3
10	7	9	41	44.8	-33.03	-69.49	973	18921.	0.1	0	6	SNTAGO	-329	-209	3
10	7	12	0	58.2	-25.06	-70.52	1628	14249.	0.2	0	5	AGASTA	-214	-137	3
10	7	12	0	58.6	-25.06	-70.51	1628	14247.	0.1	0	0	SNTAGO	-213	-136	3
10	7	12	1	13.4	-24.76	-69.80	1648	14089.	0.1	0	5	AGASTA	-210	-131	3
10	7	12	1	13.6	-24.75	-69.79	1648	14088.	0.1	0	0	SNTAGO	-209	-130	3
10	7	14	21	4.8	-11.88	-79.52	2400	11163.	0.2	0	5	QUITOE	-142	-90	3
10	7	14	21	5.1	-11.87	-79.51	2400	11162.	0.1	0	0	LIMAPU	-142	-90	3
10	7	14	23	13.2	-9.03	-75.42	2556	10659.	0.1	8	5	QUITOE	-149	-90	3
10	7	14	23	13.5	-9.02	-75.41	2556	10663.	0.1	0	0	AGASTA	-144	-85	3
10	7	14	23	13.7	-9.02	-75.41	2557	10663.	0.1	0	5	LIMAPU	-144	-84	3
10	7	16	52	42.8	14.05	-77.07	3570	10262.	0.2	0	0	QUITOE	-114	-31	1
10	7	17	2	31.9	23.05	-61.72	3742	10807.	0.2	0	7	ANTGUA	-19	59	1
10	7	17	2	43.3	23.20	-61.41	3743	10734.	0.5	0	0	ANTGUA	-101	-23	1
10	7	19	22	11.7	29.70	-77.46	3667	12229.	0.1	0	0	BPOINT	-85	14	2
10	7	19	22	25.3	29.82	-77.03	3662	12268.	0.1	0	0	BPOINT	-76	23	2
10	7	19	29	57.6	32.82	-61.68	3430	13242.	0.1	0	0	ANTGUA	-95	-3	2
10	7	19	30	8.9	32.87	-61.27	3422	13264.	0.1	0	0	ANTGUA	-98	-6	2
10	7	20	34	31.2	-31.66	135.86	1096	35173.	0.1	0	0	WOMERA	-369	371	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	7	20	34	55.9	-31.36	137.41	1124	34595.	0.1	0	0	WOMERA	-363	351	2
10	7	21	47	42.7	33.27	-76.80	3057	15416.	0.2	0	0	BPOINT	-97	24	4
10	7	21	47	53.7	33.24	-76.37	3047	15463.	0.2	0	0	BPOINT	-93	27	4
10	7	21	53	52.4	31.19	-61.75	2664	16713.	0.1	0	0	ANTGUA	-129	-19	4
10	7	21	54	2.6	31.10	-61.33	2652	16749.	0.2	0	0	ANTGUA	-124	-14	4
10	7	22	55	40.7	-19.22	137.03	1929	21660.	0.1	0	0	WOMERA	-201	263	4
10	7	23	53	47.5	33.43	-118.76	3275	13828.	0.1	0	0	NELCAL	-85	44	4
10	7	23	55	23.6	33.46	-115.08	3195	14312.	0.1	0	6	NELCAL	-94	42	4
10	7	23	55	23.6	33.46	-115.08	3195	14314.	0.1	0	0	NELCAL	-92	44	4
10	8	0	10	56.8	25.72	-76.87	2153	19440.	0.1	0	0	BPOINT	-141	3	3
10	8	0	11	5.9	25.56	-76.49	2141	19481.	0.6	0	0	BPOINT	-142	3	3
10	8	0	16	57.2	18.29	-61.62	1677	20398.	0.1	8	0	ANTGUA	-236	-92	3
10	8	0	17	8.3	18.02	-61.15	1662	20398.	0.1	6	0	ANTGUA	-245	-102	3
10	8	2	18	5.9	28.34	-116.95	2384	17606.	0.1	0	0	NELCAL	-130	45	3
10	8	2	18	27.7	28.04	-116.04	2357	17750.	0.	0	0	NELCAL	-134	43	3
10	8	2	33	0.2	8.38	-78.94	1227	21825.	0.2	0	0	QUITOE	-212	-96	3
10	8	2	33	30.1	7.46	-77.62	1191	21816.	0.	1	0	QUITOE	-226	-112	3
10	8	4	55	3.1	-15.93	-76.48	591	21516.	0.1	8	0	LIMAPU	-285	-147	3
10	8	9	32	19.9	-33.05	-71.62	891	19736.	0.1	0	5	AGASTA	-346	-247	3
10	8	9	32	20.1	-33.05	-71.60	891	19731.	0.1	0	0	SNTAGO	-347	-248	3
10	8	9	32	41.6	-32.90	-70.11	912	19384.	0.1	0	5	AGASTA	-345	-226	3
10	8	9	32	41.9	-32.90	-70.10	912	19379.	0.	8	0	SNTAGO	-346	-226	3
10	8	11	51	52.5	-24.44	-70.88	1545	14651.	0.5	0	6	AGASTA	-214	-132	3
10	8	11	51	52.6	-24.44	-70.88	1545	14650.	0.2	0	5	AGASTA	-214	-132	3
10	8	11	51	52.7	-24.44	-70.87	1545	14650.	0.2	0	0	SNTAGO	-213	-130	3
10	8	11	52	14.2	-23.98	-69.84	1573	14414.	0.	0	6	AGASTA	-212	-126	3
10	8	11	52	14.5	-23.98	-69.83	1574	14410.	0.1	0	0	SNTAGO	-214	-128	3
10	8	11	52	14.5	-23.98	-69.83	1574	14412.	0.1	1	5	AGASTA	-211	-125	3
10	8	14	12	22.8	-10.21	-78.84	2350	11435.	0.2	0	6	AGASTA	-140	-82	1
10	8	14	12	22.9	-10.20	-78.83	2351	11434.	0.1	0	5	AGASTA	-141	-83	1
10	8	14	12	22.9	-10.20	-78.83	2351	11431.	0.1	0	5	QUITOE	-144	-86	1
10	8	14	12	23.2	-10.20	-78.83	2351	11432.	0.	0	0	LIMAPU	-142	-84	1
10	8	14	14	7.5	-7.83	-75.48	2480	11035.	0.1	0	0	LIMAPU	-156	-93	1
10	8	14	22	6.5	2.53	-61.67	3010	10101.	0.2	0	0	ANTGUA	-152	-87	1
10	8	14	22	16.7	2.73	-61.40	3020	10815.	0.5	0	7	ANTGUA	574	639	1
10	8	15	50	20.6	-25.06	137.14	520	42257.	0.1	0	0	WOMERA	-448	532	2
10	8	15	50	43.7	-25.68	138.67	519	42503.	0.3	0	0	WOMERA	-448	498	2
10	8	18	8	12.4	-33.13	137.71	656	43288.	0.3	0	0	WOMERA	-484	350	1
10	8	20	25	51.8	-31.09	136.85	1055	35550.	0.1	0	0	WOMERA	-387	353	1
10	8	20	26	5.3	-30.90	137.70	1070	35224.	0.	0	0	WOMERA	-382	342	1
10	8	21	18	52.3	28.11	-116.96	3739	11282.	0.4	5	0	NELCAL	-88	18	1
10	8	21	44	32.7	30.78	-61.61	2751	16149.	0.2	0	0	ANTGUA	-124	-17	1
10	8	21	44	42.9	30.68	-61.20	2740	16173.	0.1	0	0	ANTGUA	-127	-21	1
10	8	22	46	30.5	-18.47	136.59	1839	22199.	0.1	0	0	WOMERA	-215	262	1
10	8	22	46	52.8	-17.95	137.49	1869	21773.	0.1	0	0	WOMERA	-206	256	1
10	8	23	45	2.2	33.46	-116.78	3309	13755.	0.5	0	0	NELCAL	-81	48	1
10	8	23	45	46.2	33.43	-115.12	3274	13950.	0.5	0	0	NELCAL	-89	42	1
10	9	0	8	2.8	17.19	-61.54	1744	19555.	0.1	0	0	ANTGUA	-236	-100	3
10	9	0	8	13.3	16.93	-61.10	1731	19554.	0.3	0	0	ANTGUA	-244	-108	3
10	9	2	7	47.0	28.61	-119.52	2550	16558.	0.1	0	0	NELCAL	-118	46	3
10	9	2	7	59.0	28.45	-119.03	2536	16632.	0.2	0	0	NELCAL	-117	47	3
10	9	2	25	5.5	5.49	-76.68	1217	20917.	0.4	8	0	QUITOE	-234	-122	3
10	9	4	48	13.3	-20.62	-69.91	561	20905.	0.1	0	0	AGASTA	-370	-125	1
10	9	7	6	16.5	-31.78	-70.15	565	21791.	0.1	8	0	SNTAGO	-429	-264	2
10	9	7	6	48.7	-32.18	-67.76	578	21429.	0.4	0	0	SNTAGO	-438	-229	2
10	9	9	23	39.9	-32.76	-70.67	855	19829.	0.	0	0	SNTAGO	-350	-232	2
10	9	9	23	40.0	-32.76	-70.66	855	19825.	0.2	5	5	AGASTA	-351	-233	2

TIME				POSITION			MEASURED		REMARKS			MEASURED	FIELD	ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
10	9	9	23	40.1	-32.75	-70.65	855	19822.	0.3	0	6	AGASTA	-353	-235	2
10	9	9	23	54.1	-32.64	-69.68	869	19597.	0.1	8	0	SNTAGO	-349	-217	2
10	9	9	23	54.2	-32.64	-69.67	869	19599.	0.5	0	5	AGASTA	-345	-214	2
10	9	11	43	6.7	-23.37	-70.32	1490	14428.	0.2	0	7	SNTAGO	-631	-539	2
10	9	11	43	7.6	-23.35	-70.27	1491	14822.	0.2	0	0	AGASTA	-227	-135	2
10	9	11	43	42.7	-22.57	-68.60	1536	14465.	0.2	0	0	SNTAGO	-210	-114	2
10	9	11	43	42.7	-22.57	-68.60	1536	14461.	0.2	0	5	AGASTA	-215	-119	2
10	11	1	50	22.5	26.40	-116.72	2642	15726.	0.2	0	0	NELCAL	-110	44	1
10	11	1	51	16.4	25.59	-114.69	2579	15995.	0.1	0	0	NELCAL	-106	50	1
10	11	2	6	43.9	4.30	-78.72	1384	19241.	0.1	8	0	QUITOE	-194	-87	1
10	11	2	7	2.4	3.75	-77.95	1360	19243.	0.1	8	0	QUITOE	-206	-100	1
10	11	4	30	39.3	-22.28	-70.37	599	20649.	0.1	1	0	AGASTA	-355	-125	0
10	11	6	48	22.2	-32.19	-71.47	534	22319.	0.1	8	0	SNTAGO	-431	-294	1
10	11	6	48	22.5	-32.20	-71.44	534	22318.	0.1	1	6	SNTAGO	-428	-291	1
10	11	6	48	33.6	-32.32	-70.61	536	22193.	0.1	0	0	SNTAGO	-435	-279	1
10	11	9	5	54.2	-32.26	-70.72	768	20399.	0.1	0	0	AGASTA	-356	-227	0
10	11	9	6	5.4	-32.13	-69.93	777	20205.	0.1	0	5	SNTAGO	-362	-221	0
10	11	9	6	5.4	-32.13	-69.93	777	20207.	0.1	0	0	AGASTA	-360	-218	0
10	11	11	25	17.1	-21.60	-70.28	1358	15497.	0.2	0	5	SNTAGO	-214	-109	0
10	11	11	25	17.9	-21.58	-70.24	1359	15485.	0.1	8	0	AGASTA	-218	-113	0
10	11	11	25	33.0	-21.21	-69.51	1378	15333.	0.1	7	0	AGASTA	-207	-100	0
10	11	13	45	20.5	-6.48	-78.85	2129	12723.	0.1	0	0	QUITOE	-126	-54	0
10	11	13	45	48.9	-5.78	-77.89	2166	12610.	0.1	0	0	QUITOE	-138	-64	0
10	11	13	54	39.2	6.38	-61.57	2805	11420.	0.1	0	0	ANTGUA	-150	-75	0
10	11	15	23	46.5	-26.78	135.85	547	42637.	0.1	0	0	WOMERA	-499	493	0
10	11	15	24	6.6	-27.27	137.21	541	42912.	0.1	8	0	WOMERA	-505	458	0
10	11	16	24	2.8	25.94	-61.70	3663	11400.	0.7	2	7	ANTGUA	-93	-11	0
10	11	16	24	11.5	26.04	-61.44	3666	11382.	0.1	0	0	ANTGUA	-108	-26	0
10	11	17	41	21.1	-33.39	136.12	572	45124.	0.1	0	0	WOMERA	-566	319	0
10	11	17	41	37.0	-33.44	137.34	579	44952.	0.1	8	0	WOMERA	-566	291	0
10	11	18	22	37.9	15.74	-113.86	3248	11245.	0.1	0	0	NELCAL	-85	20	2
10	11	19	59	6.1	-29.81	136.53	892	37686.	0.1	0	0	WOMERA	-419	380	2
10	11	19	59	19.8	-29.57	137.41	905	37331.	0.2	0	0	WOMERA	-416	366	2
10	11	20	48	52.9	29.15	-118.52	3732	11418.	0.1	6	0	NELCAL	-81	26	2
10	11	20	50	4.2	29.80	-116.31	3741	11539.	0.1	0	0	NELCAL	-78	30	2
10	11	21	17	2.7	28.91	-59.84	2965	14647.	0.1	0	0	ANTGUA	-124	-27	1
10	11	21	17	37.1	28.51	-58.58	2930	14691.	0.2	0	0	ANTGUA	-129	-34	1
10	11	23	16	11.6	33.27	-116.37	3503	12921.	0.1	0	0	NELCAL	-82	39	1
10	11	23	41	15.1	13.74	-61.34	1953	17172.	0.1	0	0	ANTGUA	-219	-104	1
10	11	23	41	23.4	13.54	-61.03	1942	17178.	0.1	0	0	ANTGUA	-217	-102	1
10	12	1	39	58.3	26.67	-119.11	2802	14865.	0.3	0	0	NELCAL	-97	47	1
10	12	1	40	34.9	26.15	-117.78	2761	15025.	0.2	0	0	NELCAL	-95	51	1
10	12	1	58	44.9	1.50	-76.70	1378	18470.	0.1	8	0	QUITOE	-206	-102	1
10	12	6	39	43.4	-32.57	-70.73	528	22331.	0.1	8	0	SNTAGO	-435	-283	0
10	12	6	40	25.5	-32.95	-67.50	536	21899.	0.2	0	0	SNTAGO	-423	-202	0
10	12	8	57	2.0	-31.96	-70.78	729	20644.	0.7	0	5	SNTAGO	-365	-232	0
10	12	8	57	2.6	-31.96	-70.74	729	20640.	0.3	0	0	AGASTA	-359	-225	0
10	12	8	57	10.8	-31.86	-70.16	736	20497.	0.1	0	5	AGASTA	-365	-221	0
10	12	8	57	10.9	-31.86	-70.15	736	20495.	0.	8	0	SNTAGO	-365	-221	0
10	12	11	16	25.3	-20.62	-70.22	1297	15836.	0.2	6	6	SNTAGO	-200	-88	0
10	12	11	16	25.4	-20.62	-70.21	1297	15835.	0.2	0	0	SNTAGO	-201	-89	0
10	12	11	16	38.3	-20.30	-69.59	1313	15685.	0.3	0	5	SNTAGO	-214	-101	0
10	12	11	16	38.4	-20.29	-69.58	1313	15687.	0.1	0	0	AGASTA	-211	-97	0
10	12	13	36	58.6	-4.29	-77.62	2105	13091.	0.1	0	5	QUITOE	-128	-50	2
10	12	13	36	58.9	-4.28	-77.61	2105	13093.	0.1	0	0	LIMAPU	-126	-48	2
10	12	13	37	33.9	-3.41	-76.43	2151	12976.	0.1	8	5	QUITOE	-135	-55	2
10	12	13	37	33.9	-3.41	-76.42	2151	12976.	0.1	0	0	LIMAPU	-135	-55	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	12	13	45	41.3	7.85	-61.26	2745	11894.	0.7	0	0	ANTGUA	-155	-77	2
10	12	13	45	51.5	8.07	-60.96	2756	11873.	0.1	0	0	ANTGUA	-156	-78	2
10	12	15	15	2.0	-27.49	135.95	561	42711.	0.1	0	0	WOMERA	-496	481	2
10	12	15	15	12.6	-27.74	136.67	557	42861.	0.2	0	0	WOMERA	-503	458	2
10	12	16	5	6.1	18.61	-77.94	3282	12009.	0.3	0	7	BPOINT	-108	-12	2
10	12	17	32	59.2	-33.50	138.27	565	45217.	0.	0	0	WOMERA	-569	272	2
10	12	18	41	10.4	33.40	-61.95	3683	12319.	0.1	0	0	ANTGUA	-101	-14	3
10	12	18	41	20.0	33.41	-61.62	3680	12328.	0.1	0	0	ANTGUA	-95	-8	3
10	12	19	50	7.4	-29.42	136.08	840	38429.	0.	0	0	WOMERA	-429	398	3
10	12	19	50	7.6	-29.42	136.08	840	38424.	0.1	0	6	WOMERA	-430	396	3
10	12	19	50	19.8	-29.19	136.88	851	38105.	0.2	0	6	WOMERA	-427	383	3
10	12	19	50	20.2	-29.19	136.90	851	38100.	0.1	0	0	WOMERA	-423	386	3
10	12	21	6	43.9	28.96	-61.67	3097	14106.	0.3	0	0	ANTGUA	-122	-25	3
10	12	21	6	52.8	28.86	-61.35	3089	14118.	0.2	0	0	ANTGUA	-121	-24	3
10	12	23	5	35.5	33.28	-118.23	3585	12550.	0.2	0	0	NELCAL	-74	42	3
10	12	23	8	1.3	32.84	-113.08	3507	12941.	0.1	0	0	NELCAL	-79	42	3
10	12	23	32	12.6	12.66	-61.47	2031	16436.	0.2	0	0	ANTGUA	-204	-95	3
10	12	23	32	23.2	12.41	-61.09	2017	16431.	0.2	0	0	ANTGUA	-212	-104	3
10	13	1	31	0.6	25.65	-118.25	2860	14426.	0.1	0	0	NELCAL	-91	48	1
10	13	1	31	38.0	25.10	-116.93	2820	14567.	0.1	0	0	NELCAL	-92	49	1
10	13	1	48	19.2	3.01	-80.60	1561	17626.	0.1	7	0	QUITOE	-167	-64	1
10	13	1	49	12.6	1.46	-78.48	1492	17689.	0.1	8	0	QUITOE	-179	-78	1
10	13	4	13	12.9	-24.12	-70.16	644	20332.	0.6	8	0	AGASTA	-352	-136	1
10	13	4	13	26.9	-24.49	-69.29	635	20325.	0.1	0	0	AGASTA	-356	-127	1
10	13	6	31	8.5	-32.92	-69.66	524	22270.	0.1	0	0	SNTAGO	-442	-265	1
10	13	6	31	18.1	-33.00	-68.92	525	22178.	0.1	8	0	SNTAGO	-436	-242	1
10	13	8	48	12.3	-31.61	-70.70	695	20842.	0.1	0	5	SNTAGO	-363	-223	1
10	13	8	48	12.4	-31.61	-70.69	695	20842.	0.1	0	0	AGASTA	-362	-221	1
10	13	8	48	21.8	-31.48	-70.02	701	20679.	0.1	0	0	AGASTA	-368	-215	1
10	13	8	48	21.9	-31.48	-70.02	702	20675.	0.4	0	5	SNTAGO	-370	-218	1
10	13	11	7	33.2	-19.65	-70.23	1238	16175.	0.2	0	6	LIMAPU	-211	-93	1
10	13	11	7	33.4	-19.65	-70.22	1238	16175.	0.1	0	5	LIMAPU	-209	-91	1
10	13	11	7	33.6	-19.64	-70.21	1238	16172.	0.1	0	0	AGASTA	-211	-93	1
10	13	11	7	33.9	-19.64	-70.19	1238	16171.	0.3	0	5	SNTAGO	-209	-91	1
10	13	11	7	34.0	-19.63	-70.19	1238	16170.	0.7	0	6	SNTAGO	-209	-91	1
10	13	11	7	44.6	-19.35	-69.67	1251	16063.	0.3	0	6	SNTAGO	-205	-86	1
10	13	11	7	44.7	-19.35	-69.67	1251	16062.	0.2	0	5	SNTAGO	-206	-87	1
10	13	11	7	44.7	-19.35	-69.66	1251	16059.	0.1	0	5	LIMAPU	-209	-89	1
10	13	11	7	44.9	-19.34	-69.65	1252	16058.	0.1	0	0	AGASTA	-208	-89	1
10	13	13	26	46.1	-4.92	-80.26	1936	13884.	0.1	0	6	LIMAPU	-122	-44	1
10	13	13	26	46.4	-4.91	-80.25	1936	13882.	0.1	0	0	LIMAPU	-123	-45	1
10	13	13	27	32.3	-3.72	-78.63	1996	13716.	0.	0	0	QUITOE	-131	-49	1
10	13	13	27	32.5	-3.72	-78.62	1997	13711.	0.1	0	5	LIMAPU	-135	-54	1
10	13	13	37	2.0	9.70	-60.40	2704	13087.	0.2	3	7	ANTGUA	576	656	1
10	13	15	6	21.9	-28.27	136.39	575	42776.	0.9	0	0	WOMERA	-498	453	1
10	13	15	6	51.0	-28.89	138.41	564	43186.	0.3	0	0	WOMERA	-506	395	1
10	13	17	23	39.9	-33.50	135.97	542	45827.	0.5	8	0	WOMERA	-574	320	1
10	13	17	23	57.4	-33.51	137.33	546	45665.	0.1	1	0	WOMERA	-577	286	1
10	13	18	31	48.4	33.46	-61.07	3705	12224.	0.1	0	0	ANTGUA	-94	-8	1
10	13	18	31	58.3	33.46	-60.73	3702	12223.	0.1	0	0	ANTGUA	-94	-8	1
10	13	19	41	16.4	-28.88	136.06	797	38926.	0.2	0	0	WOMERA	-446	400	1
10	13	19	41	35.9	-28.49	137.33	814	38417.	0.1	0	0	WOMERA	-433	387	1
10	13	20	57	16.9	28.40	-61.56	3173	13682.	0.2	0	0	ANTGUA	-109	-15	1
10	13	20	57	27.7	28.27	-61.19	3163	13682.	0.1	8	0	ANTGUA	-119	-25	1
10	14	1	22	14.6	24.39	-117.01	2905	14023.	0.1	0	0	NELCAL	-94	41	2
10	14	1	22	29.1	24.17	-116.52	2890	14071.	0.	0	0	NELCAL	-94	42	2
10	14	1	39	39.1	1.37	-80.19	1609	16903.	0.1	0	0	QUITOE	-166	-67	2
10	14	4	4	18.5	-24.71	-70.68	676	20166.	0.5	0	5	SNTAGO	-345	-148	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	14	4	4	19.1	-24.73	-70.65	676	20159.	0.1	0	0	AGASTA	-352	-154	2
10	14	4	4	27.8	-24.95	-70.10	670	20164.	0.1	0	5	SNTAGO	-351	-146	2
10	14	4	4	28.0	-24.96	-70.09	670	20162.	0.1	0	0	AGASTA	-353	-147	2
10	14	6	22	33.5	-33.19	-68.58	522	22195.	0.3	0	0	SNTAGO	-437	-236	2
10	14	6	22	44.4	-33.25	-67.73	522	22078.	0.5	0	0	SNTAGO	-444	-225	2
10	14	8	39	38.5	-30.99	-69.53	674	20744.	0.2	0	5	SNTAGO	-379	-212	2
10	14	8	39	38.6	-30.99	-69.52	674	20748.	0.1	0	0	AGASTA	-373	-205	2
10	14	8	39	38.8	-30.99	-69.51	674	20743.	0.4	0	6	SNTAGO	-376	-208	2
10	14	8	39	39.0	-30.98	-69.49	674	20740.	0.3	0	6	SNTAGO	-375	-207	2
10	14	10	58	23.3	-19.16	-71.17	1158	16708.	0.1	0	5	AGASTA	-235	-114	3
10	14	10	58	23.4	-19.16	-71.17	1158	16707.	0.1	0	0	LIMAPU	-235	-114	3
10	14	13	19	34.2	-0.91	-76.59	2003	14107.	0.1	0	5	LIMAPU	-141	-53	4
10	14	13	19	34.2	-0.91	-76.59	2003	14109.	0.1	0	0	QUITOE	-140	-51	4
10	14	13	20	2.4	-0.18	-75.61	2040	14029.	0.1	0	0	QUITOE	-144	-55	4
10	14	13	20	2.7	-0.18	-75.61	2041	14030.	0.1	0	5	LIMAPU	-143	-54	4
10	14	17	15	0.8	-33.50	136.79	534	45957.	0.4	0	0	WOMERA	-586	292	2
10	14	17	15	15.2	-33.48	137.91	537	45830.	0.1	0	0	WOMERA	-585	268	2
10	14	17	52	12.6	16.14	-118.22	2894	12563.	0.7	0	0	NELCAL	-79	36	2
10	14	17	52	38.8	16.63	-117.43	2922	12542.	0.4	0	0	NELCAL	-95	21	2
10	14	18	14	13.1	32.27	-76.88	3729	12317.	0.1	0	0	BPOINT	-93	6	3
10	14	18	14	23.7	32.33	-76.52	3731	12313.	0.1	0	0	BPOINT	-93	6	3
10	14	18	21	32.2	33.46	-62.03	3732	12161.	0.4	0	0	ANTGUA	-85	2	3
10	14	18	21	42.5	33.46	-61.68	3730	12147.	0.1	0	0	ANTGUA	-94	-8	3
10	14	19	32	14.2	-28.54	135.27	748	39676.	0.1	0	0	WOMERA	-461	421	3
10	14	19	32	33.6	-28.14	136.53	764	39174.	0.4	8	0	WOMERA	-449	407	3
10	14	20	39	54.4	32.00	-77.55	3567	12933.	0.1	0	0	BPOINT	-86	18	3
10	14	20	40	1.3	31.96	-77.31	3563	12942.	0.1	0	0	BPOINT	-84	20	3
10	14	20	47	37.9	27.93	-61.82	3254	13265.	0.1	0	0	ANTGUA	-107	-15	3
10	14	20	47	48.7	27.80	-61.46	3245	13264.	0.1	0	0	ANTGUA	-113	-21	3
10	15	1	12	10.0	24.26	-118.41	3027	13397.	0.1	0	0	NELCAL	-95	33	3
10	15	1	12	57.4	23.54	-116.85	2980	13527.	0.1	0	0	NELCAL	-99	31	3
10	15	1	32	7.5	-2.23	-77.10	1567	16314.	0.1	0	5	LIMAPU	-196	-102	3
10	15	1	32	7.8	-2.23	-77.09	1567	16312.	0.1	8	0	QUITOE	-198	-104	3
10	15	3	55	50.1	-25.96	-69.50	694	19983.	0.1	3	0	AGASTA	-359	-157	3
10	15	6	13	8.0	-33.12	-71.38	523	22554.	0.1	8	6	SNTAGO	-458	-322	2
10	15	6	13	9.2	-33.13	-71.28	523	22555.	0.1	1	0	SNTAGO	-446	-307	2
10	15	6	13	16.1	-33.17	-70.75	522	22483.	0.1	0	0	SNTAGO	-451	-300	2
10	15	6	13	28.0	-33.24	-69.82	522	22364.	0.3	8	0	SNTAGO	-454	-281	2
10	15	8	30	23.9	-30.96	-71.28	630	21294.	0.2	0	0	AGASTA	-399	-258	2
10	15	8	30	36.1	-30.76	-70.41	637	21086.	0.4	5	6	AGASTA	-404	-246	2
10	15	8	30	36.2	-30.76	-70.41	637	21084.	0.2	5	5	AGASTA	-405	-247	2
10	15	8	30	36.2	-30.76	-70.40	637	21083.	0.4	0	6	AGASTA	-406	-248	2
10	15	8	30	36.7	-30.76	-70.37	637	21072.	0.2	0	6	SNTAGO	-409	-251	2
10	15	8	30	37.0	-30.75	-70.35	637	21068.	0.2	0	6	SNTAGO	-409	-250	2
10	15	8	30	37.0	-30.75	-70.35	637	21072.	0.1	0	0	SNTAGO	-403	-244	2
10	15	10	49	55.7	-17.50	-70.07	1130	16843.	0.3	0	5	AGASTA	-246	-118	3
10	15	10	49	55.7	-17.50	-70.07	1131	16844.	0.1	0	0	LIMAPU	-244	-116	3
10	15	10	50	12.8	-17.02	-69.24	1150	16687.	0.2	0	0	AGASTA	-244	-115	3
10	15	13	9	3.4	-2.11	-80.01	1809	14976.	0.2	0	5	QUITOE	-152	-65	3
10	15	13	9	3.9	-2.09	-79.99	1810	14973.	0.	0	0	LIMAPU	-154	-66	3
10	15	13	9	42.3	-1.06	-78.59	1861	14857.	0.	0	0	QUITOE	-157	-67	3
10	15	13	9	42.3	-1.06	-78.59	1861	14855.	0.	0	5	LIMAPU	-159	-69	3
10	15	13	11	5.8	1.13	-75.62	1971	14623.	0.	0	0	QUITOE	-171	-78	3
10	15	13	11	6.4	1.15	-75.60	1972	14621.	0.1	0	5	LIMAPU	-172	-79	3
10	15	13	12	4.4	2.64	-73.58	2048	14473.	0.1	0	5	QUITOE	-178	-82	3
10	15	13	12	4.4	2.64	-73.58	2048	14474.	0.	0	0	LIMAPU	-177	-82	3
10	15	13	19	7.9	12.55	-59.70	2581	13400.	0.	2	7	ANTGUA	-171	-84	3
10	15	13	19	18.8	12.78	-59.35	2594	13386.	0.1	2	7	ANTGUA	-155	-69	3
10	15	15	45	18.2	28.20	-62.11	3472	12440.	0.4	0	0	ANTGUA	-92	-3	3
10	15	17	5	58.8	-33.48	135.83	525	46182.	0.1	8	0	WOMERA	-589	313	3
10	15	17	6	20.0	-33.43	137.49	527	46026.	0.1	0	0	WOMERA	-591	273	3
10	15	17	45	28.4	19.91	-113.51	2977	13001.	0.1	0	0	NELCAL	-96	27	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	15	18	4	7.6	32.42	-77.49	3703	12452.	0.1	0	0	BPOINT	-83	18	3
10	15	18	4	22.7	32.50	-76.99	3707	12440.	0.	0	0	BPOINT	-83	17	3
10	15	19	23	30.8	-27.80	135.67	718	39884.	0.	0	0	WOMERA	-462	431	3
10	15	19	23	46.7	-27.45	136.70	730	39470.	0.1	0	0	WOMERA	-449	422	3
10	15	20	30	27.0	31.60	-77.00	3607	12718.	0.2	3	0	BPOINT	-81	21	3
10	15	20	30	35.7	31.55	-76.71	3603	12721.	0.1	0	0	BPOINT	-83	19	3
10	15	20	37	47.1	27.56	-62.41	3339	12876.	0.2	0	0	ANTGUA	-107	-16	3
10	15	20	37	57.3	27.44	-62.08	3331	12871.	0.1	0	0	ANTGUA	-115	-24	3
10	16	1	21	50.7	-1.17	-80.35	1742	15535.	0.2	0	5	LIMAPU	-161	-70	2
10	16	1	21	50.8	-1.18	-80.35	1742	15536.	0.2	0	0	QUITOE	-160	-69	2
10	16	1	22	24.2	-2.10	-79.10	1698	15594.	0.2	0	5	QUITOE	-169	-79	2
10	16	1	22	24.2	-2.10	-79.10	1698	15595.	0.1	0	0	LIMAPU	-169	-78	2
10	16	10	40	48.0	-16.97	-71.02	1058	17412.	0.	8	0	AGASTA	-245	-114	0
10	16	10	41	2.4	-16.55	-70.30	1074	17278.	0.1	0	0	AGASTA	-246	-115	0
10	16	13	8	36.5	11.88	-62.42	2401	14239.	0.1	0	0	ANTGUA	-190	-94	0
10	16	13	8	46.0	12.09	-62.11	2413	14220.	0.2	0	0	ANTGUA	-181	-85	0
10	16	14	39	57.1	-29.93	136.38	644	42190.	0.1	0	0	WOMERA	-495	402	0
10	16	15	35	26.2	28.58	-62.61	3401	12779.	0.2	0	0	ANTGUA	-109	-18	1
10	16	15	35	35.5	28.68	-62.30	3407	12745.	0.1	0	0	ANTGUA	-121	-31	1
10	16	16	57	25.0	-33.37	137.07	522	46132.	0.2	0	0	WOMERA	-595	281	1
10	16	17	54	47.6	32.76	-76.58	3682	12560.	0.1	0	0	BPOINT	-90	11	1
10	16	17	55	6.5	32.83	-75.93	3688	12543.	0.1	0	0	BPOINT	-86	14	1
10	16	18	1	33.0	33.44	-62.75	3748	12112.	0.1	0	0	ANTGUA	-91	-4	2
10	16	18	1	43.2	33.44	-62.40	3748	12114.	0.1	0	0	ANTGUA	-78	9	2
10	16	19	14	56.5	-26.82	136.61	695	39798.	0.	0	0	WOMERA	-463	428	2
10	16	19	15	11.0	-26.48	137.54	705	39410.	0.1	0	0	WOMERA	-453	415	2
10	16	20	20	16.6	31.46	-77.86	3658	12508.	0.1	0	0	BPOINT	-79	22	2
10	16	20	20	28.2	31.38	-77.48	3654	12505.	0.2	0	0	BPOINT	-84	17	2
10	16	20	28	8.7	27.01	-62.55	3407	12515.	0.2	0	0	ANTGUA	-113	-24	2
10	16	20	28	19.5	26.88	-62.20	3400	12525.	0.3	0	0	ANTGUA	-102	-14	2
10	16	22	55	39.2	8.48	-62.43	2363	13744.	0.1	0	0	ANTGUA	-175	-84	1
10	16	22	55	49.7	8.24	-62.09	2349	13746.	0.1	0	0	ANTGUA	-174	-84	1
10	17	0	53	21.1	22.67	-118.37	3177	12513.	0.1	0	0	NELCAL	-77	42	1
10	17	0	53	34.8	22.46	-117.94	3164	12542.	0.1	0	0	NELCAL	-76	44	1
10	17	3	37	59.9	-27.07	-70.32	773	19601.	0.2	0	0	AGASTA	-324	-156	2
10	17	3	38	25.3	-27.63	-68.70	753	19638.	0.2	0	0	AGASTA	-332	-141	2
10	17	5	55	39.0	-33.41	-70.56	535	22431.	0.1	0	6	SNTAGO	-420	-267	2
10	17	5	55	39.3	-33.42	-70.54	535	22428.	0.1	0	0	SNTAGO	-421	-266	2
10	17	5	55	48.3	-33.44	-69.84	533	22336.	0.2	1	6	SNTAGO	-431	-261	2
10	17	5	55	48.9	-33.44	-69.80	533	22331.	0.1	8	0	SNTAGO	-432	-260	2
10	17	8	12	51.9	-29.94	-70.82	586	21429.	0.1	0	5	AGASTA	-400	-238	3
10	17	8	12	52.1	-29.93	-70.81	586	21425.	0.1	0	0	SNTAGO	-401	-238	3
10	17	10	29	46.8	-19.79	-77.97	875	19223.	0.1	0	0	LIMAPU	-225	-137	4
10	17	10	30	17.6	-18.90	-76.31	904	18857.	0.2	0	0	LIMAPU	-223	-117	4
10	17	12	51	9.2	0.34	-80.29	1669	16306.	0.2	0	0	QUITOE	-147	-51	4
10	17	12	52	21.3	2.33	-77.58	1764	16117.	0.1	0	5	LIMAPU	-161	-61	4
10	17	12	52	21.3	2.33	-77.58	1764	16118.	0.1	0	0	QUITOE	-160	-61	4
10	17	12	59	24.9	12.90	-62.64	2317	14919.	0.4	0	0	ANTGUA	-180	-78	4
10	17	12	59	37.1	13.17	-62.23	2332	14864.	0.1	0	0	ANTGUA	-194	-93	4
10	17	14	30	57.8	-30.25	135.74	679	41694.	0.1	8	0	WOMERA	-474	417	4
10	17	14	31	10.6	-30.47	136.64	671	41911.	0.1	8	0	WOMERA	-479	396	4
10	17	14	31	24.5	-30.70	137.61	662	42141.	0.1	0	0	WOMERA	-479	377	4
10	17	15	26	0.9	29.20	-62.25	3342	13092.	0.1	0	6	ANTGUA	-118	-26	3
10	17	15	26	0.9	29.20	-62.25	3342	13091.	0.1	0	0	ANTGUA	-118	-26	3
10	17	17	51	47.0	33.39	-62.62	3743	12117.	0.2	0	0	ANTGUA	-96	-9	3
10	17	17	51	56.0	33.38	-62.32	3744	12097.	0.2	0	0	ANTGUA	-103	-17	3
10	17	19	6	11.1	-26.04	136.80	667	39945.	0.1	0	0	WOMERA	-455	447	4

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	17	19	6	25.9	-25.67	137.74	676	39549.	0.1	0	0	WOMERA	-443	434	4
10	17	20	18	28.8	26.44	-62.69	3470	12188.	0.	0	0	ANTGUA	-114	-27	4
10	17	20	18	39.2	26.31	-62.37	3464	12189.	0.1	0	0	ANTGUA	-110	-23	4
10	18	1	4	1.0	-3.79	-80.38	1875	14313.	0.1	0	0	QUITOE	-175	-93	5
10	18	1	4	35.0	-4.70	-79.14	1831	14384.	0.2	0	0	QUITOE	-184	-102	5
10	18	3	29	13.0	-27.80	-70.08	810	19352.	0.4	0	0	AGASTA	-355	-195	4
10	18	5	46	46.2	-33.47	-70.73	547	22330.	0.1	8	0	SNTAGO	-455	-306	4
10	18	5	46	55.5	-33.49	-70.01	544	22256.	0.3	1	0	SNTAGO	-449	-284	4
10	18	8	3	59.5	-29.49	-71.06	567	21551.	0.1	0	5	AGASTA	-408	-242	5
10	18	8	3	59.8	-29.48	-71.04	567	21546.	0.1	0	0	SNTAGO	-408	-243	5
10	18	8	4	15.9	-29.16	-69.91	573	21297.	0.1	0	5	SNTAGO	-414	-223	5
10	18	8	4	16.3	-29.15	-69.88	573	21289.	0.1	0	0	AGASTA	-416	-225	5
10	18	10	21	2.2	-18.70	-77.83	837	19476.	0.4	0	0	LIMAPU	-243	-147	5
10	18	12	42	35.4	2.20	-79.57	1631	16938.	0.1	0	0	QUITOE	-176	-76	4
10	18	12	42	53.9	2.71	-78.86	1655	16887.	0.2	0	0	QUITOE	-187	-86	4
10	18	12	51	18.4	15.33	-60.62	2315	15335.	0.1	0	0	ANTGUA	-213	-111	4
10	18	12	51	51.8	16.05	-59.46	2357	15209.	0.1	0	0	ANTGUA	-205	-106	4
10	18	14	22	10.8	-30.77	136.04	709	41321.	0.1	0	0	WOMERA	-484	385	4
10	18	14	22	29.2	-31.05	137.32	696	41644.	0.2	0	0	WOMERA	-480	367	4
10	18	15	9	9.7	24.15	-77.28	2858	14841.	0.1	0	0	BPOINT	-136	-20	5
10	18	15	16	8.0	29.51	-62.85	3257	13514.	0.1	0	0	ANTGUA	-125	-30	5
10	18	15	16	18.4	29.61	-62.49	3265	13482.	0.1	0	0	ANTGUA	-123	-28	5
10	18	17	15	27.5	20.36	-117.77	2595	14700.	0.2	0	0	NELCAL	-112	27	5
10	18	17	16	43.0	21.73	-115.17	2683	14619.	0.1	0	0	NELCAL	-123	17	5
10	18	17	41	56.8	33.32	-62.65	3729	12160.	0.1	0	0	ANTGUA	-96	-8	5
10	18	18	57	38.5	-24.89	137.77	649	39679.	0.1	0	0	WOMERA	-434	453	4
10	18	18	57	56.5	-24.41	138.89	660	39181.	0.2	0	0	WOMERA	-423	431	4
10	18	19	41	10.4	31.99	-117.89	3463	12831.	0.3	0	0	NELCAL	-99	21	4
10	18	20	1	8.7	30.57	-77.11	3711	12164.	0.4	0	0	BPOINT	-96	2	4
10	18	20	9	3.9	25.64	-62.34	3518	11881.	0.2	0	0	ANTGUA	-114	-29	4
10	18	22	6	10.5	32.45	-119.61	3748	11781.	0.1	0	0	NELCAL	-82	26	4
10	18	22	9	32.4	31.26	-112.98	3732	11858.	0.1	0	0	NELCAL	-79	32	4
10	18	22	37	36.2	5.83	-62.23	2502	12547.	0.1	0	6	ANTGUA	-198	-117	4
10	18	22	37	36.4	5.82	-62.23	2502	12545.	0.1	0	0	ANTGUA	-201	-119	4
10	19	0	55	17.2	-5.43	-79.91	1928	13810.	0.2	0	5	QUITOE	-160	-82	4
10	19	0	55	17.4	-5.44	-79.90	1927	13808.	0.1	0	0	LIMAPU	-162	-84	4
10	19	0	55	17.4	-5.44	-79.90	1927	13809.	0.1	0	6	LIMAPU	-161	-83	4
10	19	0	56	47.9	-7.81	-76.59	1808	14031.	0.2	0	5	AGASTA	-174	-95	4
10	19	0	56	47.9	-7.81	-76.59	1808	14030.	0.1	0	6	QUITOE	-174	-96	4
10	19	0	56	48.1	-7.82	-76.58	1808	14030.	0.	0	0	QUITOE	-176	-97	4
10	19	0	56	48.1	-7.82	-76.58	1808	14030.	0.1	0	5	LIMAPU	-176	-97	4
10	19	0	56	48.3	-7.82	-76.57	1808	14030.	0.1	0	6	LIMAPU	-176	-97	4
10	19	3	19	46.7	-27.70	-72.24	885	19051.	0.1	1	5	SNTAGO	-316	-195	4
10	19	3	19	46.9	-27.71	-72.23	885	19050.	0.1	8	0	AGASTA	-317	-197	4
10	19	3	20	13.6	-28.26	-70.56	860	19106.	0.2	8	5	AGASTA	-337	-194	4
10	19	3	20	13.7	-28.26	-70.55	860	19109.	0.1	1	0	SNTAGO	-334	-191	4
10	19	5	37	57.7	-33.51	-70.53	561	22203.	0.3	8	0	SNTAGO	-439	-288	4
10	19	7	55	11.1	-28.94	-71.04	551	21571.	0.1	1	0	SNTAGO	-436	-262	2
10	19	7	55	12.1	-28.92	-70.98	552	21569.	0.2	8	5	AGASTA	-424	-248	2
10	19	7	55	24.9	-28.65	-70.08	556	21374.	0.1	8	5	AGASTA	-433	-237	2
10	19	7	55	24.9	-28.65	-70.08	556	21374.	0.	1	0	SNTAGO	-433	-237	2
10	19	10	12	14.4	-17.68	-77.89	799	19792.	0.6	0	5	AGASTA	-254	-153	3
10	19	10	12	14.9	-17.66	-77.87	799	19789.	0.1	1	0	LIMAPU	-253	-152	3
10	19	10	12	15.1	-17.66	-77.85	799	19785.	0.1	0	6	LIMAPU	-254	-153	3
10	19	10	13	46.2	-14.81	-73.04	882	18917.	0.2	0	6	LIMAPU	-283	-148	3
10	19	10	13	46.4	-14.80	-73.03	883	18916.	0.1	1	0	LIMAPU	-282	-148	3
10	19	12	34	58.9	5.65	-76.62	1668	17510.	0.3	0	0	QUITOE	-201	-93	2
10	19	12	34	59.0	5.66	-76.62	1668	17512.	0.5	2	6	QUITOE	-199	-91	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	19	12	35	22.5	6.30	-75.71	1699	17460.	0.5	2	6	QUITOE	-198	-88	2
10	19	12	35	22.6	6.30	-75.71	1699	17460.	0.3	8	0	QUITOE	-198	-88	2
10	19	12	41	6.1	14.94	-62.99	2152	16315.	0.2	0	0	ANTGUA	-210	-97	2
10	19	12	41	15.5	15.15	-62.66	2164	16279.	0.4	5	0	ANTGUA	-207	-95	2
10	19	12	41	17.2	15.19	-62.59	2166	16279.	0.8	5	6	ANTGUA	-199	-87	2
10	19	14	13	28.7	-31.33	136.73	738	41012.	0.1	8	0	WOMERA	-454	387	2
10	19	14	13	43.3	-31.53	137.76	727	41258.	0.1	0	0	WOMERA	-460	365	2
10	19	15	6	32.3	29.96	-62.89	3179	13933.	0.2	0	0	ANTGUA	-122	-24	1
10	19	15	6	42.7	30.06	-62.52	3188	13893.	0.1	0	0	ANTGUA	-122	-25	1
10	19	16	30	49.1	-32.97	136.68	530	45827.	0.	0	0	WOMERA	-571	317	1
10	19	16	31	9.4	-32.81	138.25	527	45725.	0.1	0	0	WOMERA	-589	266	1
10	19	17	6	50.6	21.95	-116.45	2557	15262.	0.4	0	0	NELCAL	-125	22	1
10	19	17	24	38.7	33.08	-78.32	3525	13250.	0.1	0	0	BPOINT	-93	14	1
10	19	17	24	49.2	33.11	-77.95	3531	13232.	0.1	0	0	BPOINT	-86	21	1
10	19	17	31	59.4	33.24	-62.92	3705	12249.	0.1	0	0	ANTGUA	-92	-4	1
10	19	19	33	34.4	32.86	-113.39	3481	13034.	0.1	0	0	NELCAL	-83	39	3
10	19	19	51	28.1	30.11	-76.93	3729	12042.	0.	0	0	BPOINT	-86	12	3
10	19	19	59	29.4	24.91	-62.27	3566	11598.	0.2	2	0	ANTGUA	-114	-30	3
10	19	19	59	47.6	24.68	-61.74	3557	11577.	0.1	3	0	ANTGUA	-118	-35	3
10	20	0	27	7.2	17.98	-114.72	3276	11459.	0.3	0	0	NELCAL	-94	14	4
10	20	5	29	0.2	-33.51	-70.98	581	22117.	0.1	8	0	SNTAGO	-421	-282	2
10	20	5	29	0.5	-33.51	-70.97	581	22113.	0.2	7	6	SNTAGO	-422	-283	2
10	20	5	29	9.8	-33.50	-70.25	577	22033.	0.2	0	6	SNTAGO	-432	-277	2
10	20	5	29	9.8	-33.50	-70.25	577	22037.	0.2	6	0	SNTAGO	-428	-272	2
10	20	7	46	46.9	-27.81	-69.36	545	21299.	0.1	0	0	AGASTA	-407	-185	3
10	20	7	46	47.0	-27.80	-69.36	545	21296.	0.1	0	5	SNTAGO	-409	-187	3
10	20	10	3	47.7	-15.97	-76.84	780	19934.	0.1	1	0	LIMAPU	-255	-139	2
10	20	10	4	46.7	-14.07	-73.74	831	19443.	0.1	0	0	LIMAPU	-272	-138	2
10	20	14	4	24.6	-31.55	135.97	786	40247.	0.1	0	0	WOMERA	-459	379	1
10	20	14	4	34.7	-31.68	136.67	777	40436.	0.1	0	0	WOMERA	-451	376	1
10	20	16	21	56.1	-32.79	136.52	539	45554.	0.1	8	0	WOMERA	-567	324	0
10	20	16	22	9.7	-32.66	137.56	536	45517.	0.1	0	0	WOMERA	-568	302	0
10	20	18	39	48.5	-23.67	136.78	594	40168.	0.1	0	0	WOMERA	-421	503	0
10	20	18	40	4.6	-23.22	137.78	601	39742.	0.1	0	0	WOMERA	-408	485	0
10	22	12	7	30.4	8.08	-78.65	1418	20092.	0.6	6	0	QUITOE	-198	-82	3
10	22	12	7	51.6	8.69	-77.77	1446	20050.	0.3	0	0	QUITOE	-203	-86	3
10	22	13	45	55.1	-31.75	133.24	913	38202.	0.1	8	0	WOMERA	-403	430	3
10	22	13	46	49.9	-32.36	136.96	861	39201.	0.1	8	0	WOMERA	-435	360	3
10	22	13	47	4.5	-32.50	137.97	847	39449.	0.	0	0	WOMERA	-442	341	3
10	22	13	47	26.5	-32.70	139.51	827	39806.	0.1	0	0	WOMERA	-451	312	3
10	22	14	38	4.3	31.25	-62.55	2939	15283.	0.1	0	0	ANTGUA	-118	-13	3
10	22	14	38	14.7	31.34	-62.15	2949	15228.	0.1	0	0	ANTGUA	-117	-13	3
10	22	16	3	54.0	-32.51	135.03	575	44741.	0.1	8	0	WOMERA	-547	370	4
10	22	16	4	4.3	-32.40	135.80	571	44745.	0.1	0	0	WOMERA	-553	350	4
10	22	16	4	23.0	-32.19	137.20	564	44742.	0.1	0	0	WOMERA	-551	327	4
10	22	16	4	33.7	-32.06	138.01	560	44719.	0.1	0	0	WOMERA	-558	305	4
10	22	16	39	3.0	24.30	-116.69	2297	17240.	0.1	0	0	NELCAL	-135	34	4
10	22	16	39	17.1	24.55	-116.13	2315	17214.	0.1	0	0	NELCAL	-134	35	4
10	22	16	55	48.5	33.42	-77.61	3345	14087.	0.2	0	0	BPOINT	-78	34	4
10	22	16	55	58.0	33.44	-77.26	3352	14040.	0.1	0	0	BPOINT	-90	21	4
10	22	16	56	8.4	33.45	-76.87	3360	13995.	0.	0	0	BPOINT	-97	14	4
10	22	16	56	17.8	33.45	-76.52	3367	13972.	0.1	8	0	BPOINT	-85	26	4
10	22	17	2	3.1	32.95	-64.05	3579	12726.	0.2	0	0	ANTGUA	-97	-6	4
10	22	17	2	12.9	32.91	-63.71	3584	12691.	0.2	0	0	ANTGUA	-99	-7	4
10	22	17	2	22.9	32.87	-63.36	3588	12653.	0.3	7	0	ANTGUA	-103	-12	4
10	22	17	2	33.3	32.83	-63.00	3593	12622.	0.1	0	0	ANTGUA	-98	-8	4
10	22	22	1	19.9	0.38	-61.78	2775	10574.	0.3	0	0	ANTGUA	-196	-130	3
10	23	0	20	18.6	-11.91	-77.75	2134	12159.	0.1	0	5	AGASTA	-174	-114	4

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	23	0	20	18.7	-11.92	-77.75	2134	12158.	0.1	0	5	QUITOE	-175	-116	4
10	23	0	20	18.9	-11.92	-77.74	2134	12158.	0.1	0	0	LIMAPU	-176	-117	4
10	23	0	20	33.6	-12.27	-77.22	2115	12204.	0.3	0	5	AGASTA	-178	-118	4
10	23	0	20	34.1	-12.28	-77.21	2114	12203.	0.	0	0	QUITOE	-180	-121	4
10	23	0	20	34.3	-12.29	-77.20	2114	12203.	0.1	0	5	LIMAPU	-181	-121	4
10	23	0	20	47.5	-12.60	-76.73	2097	12253.	0.2	0	5	AGASTA	-174	-114	4
10	23	0	20	48.1	-12.61	-76.70	2096	12250.	0.2	0	5	QUITOE	-179	-119	4
10	23	0	20	48.1	-12.62	-76.70	2096	12250.	0.	0	0	LIMAPU	-180	-120	4
10	23	7	19	31.0	-27.07	-72.93	519	21902.	0.3	0	0	AGASTA	-396	-233	3
10	23	7	20	33.7	-25.48	-68.71	522	21183.	0.2	8	0	AGASTA	-429	-165	3
10	23	7	20	44.6	-25.19	-67.99	523	21081.	0.4	8	0	AGASTA	-421	-143	3
10	23	11	18	41.6	-23.45	138.05	1544	26546.	0.1	0	0	WOMERA	-264	300	3
10	23	12	5	3.7	19.36	-62.60	1863	19335.	0.3	0	0	ANTGUA	-218	-82	2
10	23	12	5	15.1	19.62	-62.13	1878	19255.	0.3	0	0	ANTGUA	-224	-89	2
10	23	12	5	23.1	19.80	-61.80	1889	19205.	0.3	0	0	ANTGUA	-222	-88	2
10	23	12	5	33.3	20.03	-61.38	1902	19146.	0.2	0	0	ANTGUA	-214	-81	2
10	23	13	36	56.1	-32.04	133.08	968	37409.	0.1	0	0	WOMERA	-390	426	2
10	23	13	37	46.0	-32.54	136.43	917	38325.	0.2	8	0	WOMERA	-417	369	2
10	23	13	38	13.5	-32.78	138.32	890	38805.	0.1	8	0	WOMERA	-419	346	2
10	23	13	38	36.2	-32.95	139.89	869	39165.	0.1	8	0	WOMERA	-431	316	2
10	23	14	22	22.7	27.48	-77.57	2418	18037.	0.4	0	0	BPOINT	-133	4	2
10	23	14	22	33.1	27.63	-77.15	2431	17973.	0.2	0	6	BPOINT	-137	-1	2
10	23	14	22	33.3	27.63	-77.15	2431	17976.	0.2	0	0	BPOINT	-133	3	2
10	23	14	22	52.6	27.90	-76.36	2455	17866.	0.2	0	0	BPOINT	-131	3	2
10	23	14	28	27.0	31.54	-62.84	2842	15844.	0.1	0	0	ANTGUA	-119	-12	2
10	23	14	28	36.4	31.61	-62.46	2852	15779.	0.2	0	0	ANTGUA	-127	-21	2
10	23	14	28	46.1	31.69	-62.07	2863	15716.	0.4	0	0	ANTGUA	-131	-25	2
10	23	15	55	12.8	-32.11	135.81	591	44218.	0.2	8	0	WOMERA	-536	364	0
10	23	15	55	24.0	-31.97	136.64	586	44228.	0.1	8	0	WOMERA	-536	351	0
10	23	15	55	40.1	-31.76	137.83	579	44223.	0.1	0	0	WOMERA	-538	328	0
10	23	15	55	52.7	-31.59	138.76	573	44204.	0.1	0	0	WOMERA	-538	311	0
10	23	16	29	41.6	24.90	-117.05	2201	17973.	0.1	0	0	NELCAL	-137	40	0
10	23	16	30	7.5	25.35	-115.99	2234	17915.	0.1	0	0	NELCAL	-139	38	0
10	23	16	30	22.5	25.60	-115.38	2253	17880.	0.1	0	0	NELCAL	-139	37	0
10	23	16	30	40.2	25.90	-114.65	2276	17841.	0.1	0	0	NELCAL	-136	40	0
10	23	23	47	1.8	16.22	-118.31	3577	10123.	0.6	3	0	NELCAL	-68	25	0
10	23	23	47	16.3	15.98	-117.93	3570	10118.	0.7	0	0	NELCAL	-73	21	0
10	24	0	10	4.4	-11.47	-80.16	2299	11600.	0.1	6	5	QUITOE	-138	-84	0
10	24	0	10	4.6	-11.47	-80.16	2299	11599.	0.1	0	0	LIMAPU	-139	-86	0
10	24	0	10	32.8	-12.12	-79.20	2263	11679.	0.1	6	5	QUITOE	-146	-92	0
10	24	0	10	32.9	-12.12	-79.19	2263	11679.	0.1	0	0	AGASTA	-146	-92	0
10	24	0	10	33.0	-12.12	-79.19	2263	11679.	0.1	0	5	LIMAPU	-147	-93	0
10	24	0	12	2.4	-14.18	-76.07	2148	11965.	0.3	0	0	LIMAPU	-156	-99	0
10	24	0	12	43.8	-15.13	-74.56	2095	12105.	0.2	0	0	LIMAPU	-162	-103	0
10	24	4	53	27.3	-33.22	-71.11	688	21214.	0.1	8	0	SNTAGO	-394	-268	1
10	24	4	53	40.9	-33.14	-70.10	679	21137.	0.1	8	0	SNTAGO	-398	-251	1
10	24	4	53	51.3	-33.07	-69.33	672	21080.	0.1	8	0	SNTAGO	-398	-236	1
10	24	7	11	11.3	-25.65	-71.03	519	21536.	0.1	0	0	AGASTA	-390	-169	2
10	24	7	11	21.7	-25.37	-70.34	519	21427.	0.1	0	0	AGASTA	-396	-160	2
10	24	7	11	30.1	-25.15	-69.79	519	21350.	0.1	0	0	AGASTA	-393	-144	2
10	24	7	11	39.7	-24.89	-69.15	519	21258.	0.2	0	0	AGASTA	-395	-132	2
10	24	9	28	14.0	-12.47	-78.76	640	21643.	0.1	8	0	LIMAPU	-220	-110	2
10	24	9	28	33.5	-11.79	-77.71	652	21545.	0.4	1	0	LIMAPU	-237	-119	2
10	24	9	28	48.4	-11.27	-76.91	661	21492.	0.4	1	0	LIMAPU	-236	-113	2
10	24	13	28	12.7	-32.47	134.04	1007	36901.	0.1	0	0	WOMERA	-382	410	2
10	24	13	28	48.5	-32.77	136.43	970	37547.	0.1	8	0	WOMERA	-398	373	2
10	24	13	29	5.8	-32.90	137.60	952	37839.	0.1	0	0	WOMERA	-411	349	2
10	24	13	29	28.5	-33.06	139.15	929	38213.	0.1	0	0	WOMERA	-419	325	2
10	24	14	18	55.2	31.84	-62.95	2748	16402.	0.1	0	6	ANTGUA	-131	-20	2
10	24	14	18	55.2	31.84	-62.95	2748	16403.	0.1	0	0	ANTGUA	-130	-19	2
10	24	14	19	7.1	31.92	-62.46	2761	16317.	0.2	2	0	ANTGUA	-135	-26	2
10	24	14	19	18.0	32.00	-62.01	2773	16248.	0.2	2	0	ANTGUA	-131	-22	2
10	24	15	46	15.7	-31.85	135.44	616	43618.	0.1	0	0	WOMERA	-520	383	2
10	24	15	46	33.3	-31.61	136.72	607	43648.	0.3	0	0	WOMERA	-521	361	2
10	24	16	21	35.6	26.73	-114.26	2201	18538.	0.1	0	0	NELCAL	-146	38	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED -FINCH	FIELD -AFSWC	ACTIVITY K(P)
10	24	16	22	12.5	27.30	-112.70	2248	18434.	0.1	0	0	NELCAL	-145	38	2
10	24	16	23	1.9	28.03	-110.61	2312	18291.	0.1	0	0	NELCAL	-134	45	2
10	24	16	24	5.2	28.89	-107.93	2391	18078.	0.1	0	0	NELCAL	-134	40	2
10	24	16	36	21.4	33.48	-77.84	3186	14820.	0.2	0	0	BPOINT	-101	17	2
10	24	16	36	36.2	33.48	-77.27	3199	14752.	0.1	0	0	BPOINT	-99	18	2
10	24	16	36	51.0	33.47	-76.70	3211	14679.	0.1	0	0	BPOINT	-101	14	2
10	24	16	37	5.8	33.47	-76.13	3224	14607.	0.2	0	0	BPOINT	-103	11	2
10	24	19	2	28.8	27.77	-77.29	3715	11777.	0.1	0	0	BPOINT	-92	4	2
10	24	19	2	43.1	27.61	-76.86	3718	11732.	0.2	0	0	BPOINT	-101	-6	2
10	24	19	11	20.0	21.04	-62.31	3724	10508.	0.2	0	0	ANTGUA	-117	-40	2
10	25	2	26	41.3	-31.27	-70.26	1180	17385.	0.1	0	0	SNTAGO	-284	-187	3
10	25	2	26	41.8	-31.28	-70.23	1179	17386.	0.2	0	5	AGASTA	-285	-188	3
10	25	2	26	56.3	-31.46	-69.34	1162	17434.	0.2	0	5	AGASTA	-291	-185	3
10	25	2	26	56.4	-31.46	-69.33	1162	17434.	0.1	0	0	SNTAGO	-292	-185	3
10	25	2	27	8.5	-31.60	-68.58	1148	17460.	0.1	0	0	SNTAGO	-309	-195	3
10	25	4	44	31.7	-33.06	-71.20	724	20914.	0.1	8	7	SNTAGO	-393	-272	5
10	25	4	44	43.8	-32.98	-70.31	715	20838.	0.1	1	0	SNTAGO	-412	-273	5
10	25	4	44	55.1	-32.90	-69.49	706	20784.	0.2	6	6	SNTAGO	-411	-256	5
10	25	4	44	55.5	-32.89	-69.45	706	20780.	0.1	0	0	SNTAGO	-413	-257	5
10	25	4	45	3.0	-32.83	-68.91	701	20741.	0.1	7	6	SNTAGO	-416	-250	5
10	25	4	45	3.1	-32.83	-68.90	700	20740.	0.1	8	0	SNTAGO	-416	-250	5
10	25	9	19	18.4	-11.66	-79.41	611	22039.	0.5	0	0	LIMAPU	-244	-138	4
10	25	9	19	50.5	-10.52	-77.68	629	21935.	0.2	0	0	LIMAPU	-264	-145	4
10	25	9	19	59.2	-10.21	-77.21	634	21908.	0.1	0	0	LIMAPU	-273	-152	4
10	25	9	20	52.9	-8.30	-74.39	667	21817.	0.1	8	0	LIMAPU	-296	-164	4
10	25	11	42	9.0	13.94	-75.38	1338	22662.	0.1	7	0	QUITOE	-214	-74	4
10	25	11	42	31.0	14.55	-74.40	1366	22589.	0.1	7	0	QUITOE	-217	-72	4
10	25	11	43	9.2	15.60	-72.70	1414	22441.	0.1	4	0	QUITOE	-218	-66	4
10	25	11	47	11.7	21.56	-62.01	1731	20915.	0.1	8	0	ANTGUA	-219	-72	4
10	25	11	47	26.7	21.89	-61.35	1751	20796.	0.1	0	0	ANTGUA	-218	-74	4
10	25	11	47	36.9	22.11	-60.91	1764	20713.	0.4	0	0	ANTGUA	-220	-77	4
10	25	11	48	4.3	22.49	-59.70	1801	20491.	0.4	0	0	ANTGUA	-218	-81	4
10	25	13	19	47.5	-32.95	136.27	1028	36674.	0.1	0	0	WOMERA	-391	366	4
10	25	13	20	8.6	-33.09	137.68	1005	37032.	0.2	0	0	WOMERA	-401	344	4
10	25	13	20	20.1	-33.15	138.46	993	37225.	0.2	0	0	WOMERA	-402	335	4
10	25	14	9	39.5	32.21	-62.43	2669	16891.	0.1	0	0	ANTGUA	-131	-19	4
10	25	14	9	49.4	32.28	-62.01	2681	16855.	0.8	5	7	ANTGUA	-93	18	4
10	25	15	37	17.6	-31.57	135.04	645	42933.	0.4	8	0	WOMERA	-511	392	3
10	25	15	37	38.3	-31.28	136.53	633	42988.	0.2	8	0	WOMERA	-515	367	3
10	25	15	37	57.2	-30.99	137.89	622	43003.	0.3	8	0	WOMERA	-524	337	3
10	25	15	38	19.5	-30.63	139.48	610	42996.	0.4	0	0	WOMERA	-523	311	3
10	25	16	27	4.6	33.45	-76.99	3123	15120.	0.2	0	0	BPOINT	-94	24	3
10	25	16	27	19.5	33.43	-76.40	3136	15039.	0.1	0	0	BPOINT	-96	22	3
10	25	16	27	34.7	33.42	-75.81	3150	14961.	0.1	0	0	BPOINT	-94	23	3
10	25	16	33	27.9	32.10	-62.65	3429	13168.	0.1	0	0	ANTGUA	-107	-14	3
10	25	16	33	39.8	32.03	-62.23	3437	13113.	0.1	8	0	ANTGUA	-105	-13	3
10	26	4	35	27.4	-32.94	-71.86	769	20655.	0.1	0	0	AGASTA	-359	-253	4
10	26	4	35	27.5	-32.94	-71.85	769	20655.	0.	7	5	SNTAGO	-359	-253	4
10	26	4	35	28.1	-32.94	-71.81	768	20648.	0.2	1	6	SNTAGO	-362	-256	4
10	26	4	35	42.7	-32.82	-70.76	756	20584.	0.1	6	6	SNTAGO	-367	-240	4
10	26	4	35	43.2	-32.82	-70.73	756	20577.	0.1	1	6	SNTAGO	-371	-244	4
10	26	4	36	13.3	-32.56	-68.56	732	20432.	0.1	7	6	SNTAGO	-389	-221	4
10	26	4	36	13.4	-32.56	-68.56	732	20432.	0.1	0	5	AGASTA	-388	-220	4
10	26	4	36	13.6	-32.56	-68.55	732	20428.	0.1	8	6	SNTAGO	-392	-223	4
10	26	4	36	23.9	-32.46	-67.80	724	20377.	0.1	7	0	SNTAGO	-397	-216	4
10	26	4	36	24.3	-32.45	-67.78	724	20375.	0.2	8	6	SNTAGO	-398	-216	4
10	26	6	53	55.0	-23.53	-69.83	521	21224.	0.2	0	0	AGASTA	-417	-158	4
10	26	9	10	31.5	-10.53	-79.60	589	22421.	0.2	0	0	LIMAPU	-256	-150	4
10	26	9	10	59.6	-9.52	-78.08	603	22382.	0.2	8	0	LIMAPU	-267	-151	4
10	26	9	11	32.2	-8.35	-76.35	620	22347.	0.1	8	0	LIMAPU	-296	-171	4
10	26	9	12	0.8	-7.31	-74.85	637	22347.	0.1	8	0	LIMAPU	-310	-181	4
10	26	10	50	55.7	-25.08	136.37	1817	24349.	0.3	2	7	WOMERA	-246	280	4
10	26	10	51	4.1	-25.24	136.75	1806	24508.	0.1	2	7	WOMERA	-231	296	4
10	26	10	51	15.9	-25.46	137.30	1791	24713.	0.1	0	0	WOMERA	-227	300	4
10	26	10	51	26.7	-25.66	137.80	1776	24892.	0.1	0	0	WOMERA	-233	295	4
10	26	13	10	38.0	-33.06	135.63	1098	35646.	0.2	0	0	WOMERA	-371	374	5

TIME				POSITION			MEASURED		REMARKS			MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	KIP)
10	26	13	10	57.7	-33.17	136.92	1075	35990.	0.1	0	0	WOMERA	-371	365	5
10	26	13	11	8.7	-33.23	137.65	1063	36167.	0.1	0	0	WOMERA	-381	348	5
10	26	13	53	45.8	28.53	-79.67	2089	20631.	0.2	5	0	BPOINT	-137	17	5
10	26	13	54	6.0	28.82	-78.76	2115	20476.	0.3	2	0	BPOINT	-141	12	5
10	26	13	54	24.6	29.07	-77.92	2139	20335.	0.4	0	0	BPOINT	-141	10	5
10	26	14	0	15.1	32.48	-62.31	2578	17472.	0.1	0	0	ANTGUA	-132	-17	5
10	26	15	28	21.7	-31.23	134.83	676	42183.	0.1	8	0	WOMERA	-509	390	4
10	26	15	28	51.3	-30.78	136.92	657	42278.	0.1	0	0	WOMERA	-512	359	4
10	26	15	29	6.5	-30.53	138.00	647	42302.	0.1	0	0	WOMERA	-513	342	4
10	26	15	29	26.1	-30.19	139.37	635	42300.	0.1	0	0	WOMERA	-522	311	4
10	26	16	2	0.7	26.88	-117.37	1937	20287.	0.1	0	0	NELCAL	-160	47	4
10	26	16	2	45.0	27.60	-115.35	1995	20152.	0.1	0	0	NELCAL	-158	46	4
10	26	16	3	25.8	28.23	-113.50	2049	20006.	0.1	0	0	NELCAL	-163	38	4
10	26	16	15	35.2	33.47	-81.53	2924	16217.	0.1	0	0	BPOINT	-91	40	4
10	26	16	15	50.6	33.47	-80.89	2940	16090.	0.2	2	7	BPOINT	-126	3	4
10	26	16	16	50.6	33.44	-78.45	3001	15763.	0.1	5	6	BPOINT	-95	30	4
10	26	16	16	50.6	33.44	-78.45	3001	15761.	0.1	0	0	BPOINT	-96	28	4
10	26	16	23	43.1	31.82	-62.72	3360	13416.	0.3	0	0	ANTGUA	-113	-18	4
10	26	18	23	52.8	33.36	-118.64	2804	16106.	0.1	0	0	NELCAL	-112	43	3
10	26	18	24	30.7	33.42	-117.04	2845	15960.	0.1	0	0	NELCAL	-112	42	3
10	26	18	24	42.2	33.43	-116.56	2858	15923.	0.1	0	0	NELCAL	-104	50	3
10	26	18	42	21.5	27.04	-78.48	3646	11941.	0.	0	0	BPOINT	-93	5	3
10	26	18	42	36.0	26.87	-78.04	3651	11891.	0.1	0	0	BPOINT	-95	2	3
10	26	20	47	35.2	29.96	-120.30	3501	12322.	0.1	0	0	NELCAL	-84	31	3
10	26	20	48	33.9	29.41	-118.37	3534	12170.	0.1	0	0	NELCAL	-86	29	3
10	26	20	49	6.6	29.09	-117.32	3552	12096.	0.1	0	0	NELCAL	-77	37	3
10	26	20	49	56.9	28.58	-115.71	3578	11965.	0.1	0	0	NELCAL	-83	30	3
10	26	23	42	43.9	-14.99	-80.00	2525	10612.	0.1	0	0	LIMAPU	-153	-112	3
10	26	23	43	18.1	-15.70	-78.87	2484	10729.	0.3	0	5	QUITOE	-144	-102	3
10	26	23	43	18.2	-15.70	-78.87	2484	10729.	0.2	0	0	LIMAPU	-144	-103	3
10	26	23	44	58.0	-17.78	-75.44	2361	11057.	0.2	0	0	LIMAPU	-155	-110	3
10	26	23	45	33.1	-18.51	-74.19	2317	11176.	0.1	0	5	LIMAPU	-165	-118	3
10	26	23	45	33.1	-18.51	-74.18	2317	11178.	0.1	0	0	AGASTA	-163	-116	3
10	26	23	46	34.8	-19.78	-71.92	2239	11410.	0.	3	0	AGASTA	-169	-117	3
10	26	23	47	53.4	-21.38	-68.90	2138	11715.	0.1	3	0	AGASTA	-187	-128	3
10	26	23	49	27.8	-23.25	-65.08	2015	12134.	0.1	0	0	AGASTA	-191	-121	3
10	27	2	8	13.3	-31.70	-71.72	1345	16599.	0.2	0	5	AGASTA	-253	-185	2
10	27	2	8	13.6	-31.70	-71.70	1345	16596.	0.1	0	0	SNTAGO	-257	-188	2
10	27	2	8	22.3	-31.80	-71.18	1334	16620.	0.1	8	0	SNTAGO	-268	-194	2
10	27	2	8	22.8	-31.80	-71.16	1333	16631.	0.4	0	5	AGASTA	-259	-185	2
10	27	2	8	35.0	-31.93	-70.43	1318	16675.	0.2	0	5	AGASTA	-263	-182	2
10	27	2	8	35.2	-31.93	-70.42	1318	16676.	0.1	0	0	SNTAGO	-262	-181	2
10	27	2	8	49.5	-32.08	-69.56	1300	16730.	0.5	0	5	AGASTA	-263	-174	2
10	27	2	8	50.0	-32.08	-69.53	1300	16726.	0.1	0	0	SNTAGO	-269	-180	2
10	27	4	27	53.6	-31.89	-66.08	744	19954.	0.1	0	0	SNTAGO	-383	-180	3
10	27	4	28	7.6	-31.72	-65.09	733	19904.	0.1	0	5	AGASTA	-382	-164	3
10	27	4	28	7.8	-31.71	-65.08	733	19903.	0.1	0	0	SNTAGO	-383	-164	3
10	27	6	45	7.5	-22.68	-69.90	530	21182.	0.2	8	0	AGASTA	-369	-111	4
10	27	6	45	18.0	-22.37	-69.24	528	21108.	0.1	0	0	AGASTA	-384	-116	4
10	27	9	1	39.8	-9.60	-80.11	571	22819.	0.1	0	0	LIMAPU	-228	-124	3
10	27	9	2	8.0	-8.57	-78.59	583	22818.	0.	0	0	LIMAPU	-245	-132	3
10	27	9	2	39.8	-7.41	-76.90	598	22842.	0.1	8	0	LIMAPU	-264	-144	3
10	27	9	3	6.7	-6.43	-75.48	612	22879.	0.1	0	0	LIMAPU	-280	-156	3
10	27	10	41	8.4	-25.07	134.59	1950	23195.	0.1	8	0	WOMERA	-213	297	3
10	27	10	42	8.6	-26.17	137.29	1871	24155.	0.1	0	0	WOMERA	-220	294	3
10	27	10	42	21.0	-26.39	137.86	1855	24351.	0.1	0	0	WOMERA	-225	289	3
10	27	13	1	26.3	-33.16	134.95	1174	34575.	0.	0	0	WOMERA	-334	398	2
10	27	13	1	39.6	-33.22	135.81	1158	34810.	0.1	0	0	WOMERA	-329	397	2
10	27	13	2	8.8	-33.34	137.71	1124	35292.	0.1	8	0	WOMERA	-341	372	2
10	27	13	2	19.0	-33.38	138.38	1113	35447.	0.1	0	0	WOMERA	-353	356	2
10	27	13	44	52.6	29.33	-78.81	2028	21292.	0.2	7	0	BPOINT	-133	24	2
10	27	13	45	7.4	29.53	-78.12	2047	21163.	0.1	6	6	BPOINT	-139	18	2
10	27	13	45	8.2	29.54	-78.08	2048	21167.	0.1	0	0	BPOINT	-129	27	2
10	27	13	45	23.0	29.73	-77.39	2068	21033.	0.2	7	0	BPOINT	-138	17	2
10	27	13	45	37.7	29.92	-76.70	2087	20905.	0.2	6	6	BPOINT	-141	13	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	STATION	REMARKS MEASURED -FINCH	FIELD -AFSWC	ACTIVITY K(P)
10	27	13	45	37.9	29.92	-76.70	2087	20904.	0.1	0	0	BPOINT	-140	14	2
10	27	13	51	2.9	32.77	-61.79	2499	17975.	0.2	0	0	ANTGUA	-148	-32	2
10	27	15	19	26.3	-30.85	134.68	712	41371.	0.1	0	0	WOMERA	-467	424	2
10	27	15	19	47.5	-30.51	136.15	697	41458.	0.1	8	0	WOMERA	-470	404	2
10	27	15	20	5.9	-30.20	137.43	684	41515.	0.1	0	0	WOMERA	-466	391	2
10	27	15	20	19.4	-29.97	138.36	675	41540.	0.1	8	0	WOMERA	-464	380	2
10	27	15	53	6.8	27.75	-116.71	1874	21037.	0.1	0	0	NELCAL	-168	49	2
10	27	15	53	29.6	28.11	-115.64	1905	20962.	0.	0	0	NELCAL	-165	50	2
10	27	15	53	47.1	28.38	-114.81	1928	20897.	0.1	0	0	NELCAL	-167	47	2
10	27	16	6	32.2	33.45	-80.34	2864	16520.	0.3	0	0	BPOINT	-107	24	2
10	27	16	6	47.9	33.43	-79.69	2880	16414.	0.1	0	0	BPOINT	-111	19	2
10	27	16	7	3.3	33.41	-79.04	2897	16313.	0.1	0	0	BPOINT	-110	19	2
10	27	16	7	17.8	33.39	-78.45	2912	16217.	0.1	0	0	BPOINT	-111	17	2
10	27	18	14	17.2	33.41	-118.93	2703	16610.	0.6	0	7	NELCAL	-166	-4	1
10	27	18	14	38.5	33.44	-118.01	2728	16510.	0.3	1	7	NELCAL	-174	-13	1
10	27	18	15	1.0	33.46	-117.04	2753	16473.	0.1	0	7	NELCAL	-112	48	1
10	27	18	15	23.3	33.47	-116.08	2778	16390.	0.1	0	7	NELCAL	-98	61	1
10	27	18	33	0.9	26.18	-77.88	3613	11932.	0.1	8	0	BPOINT	-97	1	1
10	27	20	39	25.9	28.58	-117.33	3497	12223.	0.3	0	0	NELCAL	-83	32	1
10	27	20	39	47.7	28.35	-116.63	3510	12159.	0.2	0	0	NELCAL	-84	31	1
10	27	23	34	13.7	-16.91	-78.61	2553	10484.	0.1	0	0	LIMAPU	-134	-96	1
10	27	23	35	48.9	-18.83	-75.36	2438	10798.	0.	0	0	LIMAPU	-143	-101	1
10	27	23	36	21.4	-19.47	-74.20	2398	10918.	0.8	0	5	SNTAGO	-140	-96	1
10	27	23	36	21.6	-19.48	-74.20	2398	10915.	0.4	0	6	SNTAGO	-144	-100	1
10	27	23	36	21.8	-19.48	-74.19	2397	10921.	0.1	0	5	AGASTA	-139	-95	1
10	27	23	36	22.0	-19.48	-74.18	2397	10916.	0.	0	0	LIMAPU	-143	-100	1
10	27	23	37	42.1	-21.06	-71.25	2297	11214.	0.1	0	5	LIMAPU	-153	-103	1
10	27	23	37	42.4	-21.07	-71.24	2297	11214.	0.6	0	5	SNTAGO	-154	-104	1
10	27	23	37	42.9	-21.08	-71.22	2296	11216.	0.1	0	0	AGASTA	-154	-104	1
10	27	23	37	57.8	-21.37	-70.65	2277	11273.	0.2	0	5	SNTAGO	-156	-106	1
10	27	23	37	57.8	-21.37	-70.65	2277	11270.	0.2	0	5	AGASTA	-159	-108	1
10	27	23	37	58.1	-21.38	-70.64	2277	11275.	0.	0	0	LIMAPU	-155	-105	1
10	27	23	38	11.9	-21.65	-70.12	2259	11331.	0.1	0	5	LIMAPU	-155	-103	1
10	27	23	38	12.1	-21.65	-70.11	2259	11334.	0.2	0	5	SNTAGO	-154	-102	1
10	27	23	38	13.1	-21.67	-70.07	2258	11331.	0.1	0	0	AGASTA	-160	-108	1
10	27	23	38	34.0	-22.07	-69.26	2231	11425.	0.2	0	5	SNTAGO	-154	-99	1
10	27	23	38	34.3	-22.08	-69.25	2231	11421.	0.1	0	0	AGASTA	-159	-105	1
10	28	1	59	37.3	-32.28	-70.06	1382	16350.	0.3	0	5	SNTAGO	-237	-159	1
10	28	1	59	37.4	-32.28	-70.05	1382	16354.	0.2	0	0	AGASTA	-233	-155	1
10	28	1	59	44.8	-32.35	-69.61	1373	16378.	0.3	0	0	SNTAGO	-238	-156	1
10	28	1	59	45.7	-32.36	-69.56	1372	16374.	0.4	0	5	AGASTA	-245	-163	1
10	28	1	59	51.9	-32.41	-69.19	1364	16401.	0.1	0	0	SNTAGO	-242	-157	1
10	28	1	59	52.2	-32.41	-69.17	1363	16397.	0.2	0	5	AGASTA	-247	-162	1
10	28	1	59	59.1	-32.47	-68.75	1355	16425.	0.2	0	0	SNTAGO	-245	-156	1
10	28	1	59	59.2	-32.47	-68.75	1355	16427.	0.2	0	5	AGASTA	-243	-154	1
10	28	2	0	14.0	-32.59	-67.85	1336	16473.	0.2	0	5	SNTAGO	-252	-155	1
10	28	2	0	14.6	-32.60	-67.82	1335	16473.	0.2	0	0	AGASTA	-254	-157	1
10	28	4	17	22.0	-32.61	-72.78	870	19970.	0.1	0	0	AGASTA	-322	-238	1
10	28	4	17	36.6	-32.48	-71.76	856	19919.	0.1	0	0	AGASTA	-330	-229	1
10	28	4	17	48.7	-32.36	-70.93	845	19885.	0.1	0	0	AGASTA	-328	-211	1
10	28	4	17	48.8	-32.36	-70.92	845	19881.	0.2	0	5	SNTAGO	-332	-215	1
10	28	4	18	4.3	-32.20	-69.85	831	19821.	0.1	0	0	SNTAGO	-344	-208	1
10	28	4	18	4.4	-32.20	-69.84	831	19822.	0.2	0	5	AGASTA	-343	-207	1
10	28	6	35	57.2	-22.47	-71.36	544	21224.	0.1	2	7	AGASTA	-351	-122	2
10	28	6	36	7.6	-22.17	-70.71	541	21184.	0.1	2	7	AGASTA	-341	-100	2
10	28	6	36	17.3	-21.88	-70.11	539	21128.	0.1	6	6	AGASTA	-353	-101	2
10	28	6	36	17.4	-21.87	-70.10	539	21127.	0.1	0	0	AGASTA	-354	-102	2
10	28	6	36	27.7	-21.56	-69.46	536	21075.	0.1	6	6	AGASTA	-362	-100	2
10	28	6	36	27.9	-21.55	-69.45	536	21075.	0.1	0	0	AGASTA	-361	-99	2
10	28	8	53	5.5	-8.00	-79.66	560	23261.	0.2	0	0	QUITOE	-206	-99	2
10	28	8	53	20.7	-7.44	-78.84	565	23287.	0.3	0	0	QUITOE	-219	-108	2
10	28	8	54	8.5	-5.68	-76.30	586	23404.	0.2	0	5	QUITOE	-257	-139	2
10	28	8	54	9.0	-5.66	-76.27	586	23407.	0.1	8	0	LIMAPU	-255	-137	2
10	28	8	54	29.4	-4.90	-75.19	596	23477.	0.1	8	0	LIMAPU	-264	-143	2
10	28	8	54	29.5	-4.90	-75.19	596	23478.	0.1	8	5	QUITOE	-264	-143	2
10	28	10	33	12.4	-27.06	137.88	1937	23783.	0.1	0	0	WOMERA	-216	285	2
10	28	10	33	33.0	-27.40	138.82	1910	24099.	0.1	0	0	WOMERA	-218	284	2
10	28	11	20	3.4	24.06	-62.16	1511	23572.	0.1	0	0	ANTGUA	-225	-58	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	REMARKS SIG	N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	28	11	20	14.3	24.29	-61.63	1525	23453.	0.1	0	0	ANTGUA	-234	-69	2
10	28	11	20	23.5	24.48	-61.18	1537	23365.	0.1	0	0	ANTGUA	-228	-66	2
10	28	12	52	21.3	-33.28	134.80	1243	33616.	0.3	6	6	WOMERA	-321	393	1
10	28	12	52	21.8	-33.28	134.83	1243	33612.	0.1	0	0	WOMERA	-333	381	1
10	28	12	52	41.0	-33.35	136.05	1220	33949.	0.3	6	0	WOMERA	-323	385	1
10	28	12	52	59.3	-33.40	137.22	1198	34250.	0.	7	0	WOMERA	-323	377	1
10	28	12	53	16.1	-33.44	138.30	1178	34501.	0.	7	0	WOMERA	-343	350	1
10	28	13	36	8.7	30.19	-77.41	1979	21847.	0.1	0	0	BPOINT	-150	10	1
10	28	13	36	18.6	30.31	-76.94	1992	21764.	0.1	0	0	BPOINT	-142	18	1
10	28	13	36	29.1	30.44	-76.43	2006	21665.	0.1	0	0	BPOINT	-143	16	1
10	28	13	36	39.7	30.56	-75.92	2020	21562.	0.1	0	0	BPOINT	-147	11	1
10	28	13	41	30.8	32.92	-62.16	2394	18700.	0.1	0	0	ANTGUA	-149	-28	1
10	28	13	41	53.0	33.02	-61.14	2422	18486.	0.7	0	0	ANTGUA	-144	-26	1
10	28	15	10	45.9	-30.19	135.60	737	40595.	0.1	8	0	WOMERA	-449	422	0
10	28	15	11	4.8	-29.86	136.88	723	40668.	0.1	1	0	WOMERA	-449	407	0
10	28	15	11	17.8	-29.62	137.76	713	40700.	0.2	8	0	WOMERA	-453	392	0
10	28	15	11	34.3	-29.31	138.88	701	40739.	0.1	1	0	WOMERA	-444	385	0
10	28	15	42	29.2	26.86	-121.02	1675	22137.	0.1	0	0	NELCAL	-177	54	0
10	28	15	42	57.9	27.36	-119.62	1713	22060.	0.1	0	0	NELCAL	-174	57	0
10	28	15	43	50.0	28.22	-117.08	1782	21891.	0.1	0	0	NELCAL	-175	53	0
10	28	15	44	23.3	28.74	-115.46	1826	21774.	0.1	0	0	NELCAL	-170	56	0
10	28	15	44	42.4	29.02	-114.53	1851	21693.	0.1	0	0	NELCAL	-175	49	0
10	28	15	45	17.9	29.52	-112.81	1898	21549.	0.1	0	0	NELCAL	-169	51	0
10	28	15	57	59.5	33.27	-77.83	2836	16613.	0.1	6	6	BPOINT	-109	20	0
10	28	15	57	59.9	33.27	-77.82	2836	16611.	0.1	0	0	BPOINT	-108	21	0
10	28	15	58	10.4	33.24	-77.38	2848	16531.	0.2	6	6	BPOINT	-113	16	0
10	28	15	58	10.7	33.24	-77.37	2848	16526.	0.1	0	0	BPOINT	-115	14	0
10	28	15	58	29.9	33.18	-76.57	2868	16397.	0.2	7	0	BPOINT	-106	21	0
10	28	15	58	30.0	33.18	-76.57	2869	16398.	0.3	5	6	BPOINT	-105	21	0
10	28	15	58	39.9	33.15	-76.15	2879	16318.	0.2	6	0	BPOINT	-114	12	0
10	28	15	58	40.1	33.15	-76.14	2879	16317.	0.2	0	6	BPOINT	-113	13	0
10	28	15	58	50.4	33.12	-75.72	2890	16251.	0.1	6	6	BPOINT	-106	19	0
10	28	15	58	50.8	33.11	-75.71	2891	16251.	0.1	0	0	BPOINT	-103	22	0
10	28	18	5	16.0	33.47	-117.71	2641	17080.	0.1	0	0	NELCAL	-122	45	0
10	28	18	5	42.0	33.47	-116.57	2671	16965.	0.1	0	0	NELCAL	-110	55	0
10	28	18	5	60.0	33.46	-115.78	2692	16867.	0.2	0	0	NELCAL	-120	45	0
10	28	18	6	18.8	33.45	-114.97	2713	16784.	0.1	0	0	NELCAL	-111	53	0
10	28	18	7	44.0	33.31	-111.32	2808	16351.	0.1	0	0	NELCAL	-120	38	0
10	28	18	23	50.1	25.14	-77.01	3583	11878.	0.3	7	0	BPOINT	-103	-7	0
10	28	23	0	1.5	10.24	-117.49	3713	8963.	0.7	7	7	NELCAL	-110	-30	0
10	28	23	0	33.7	9.69	-116.73	3706	8968.	0.6	0	7	NELCAL	-75	4	0
10	28	23	1	1.4	9.21	-116.08	3699	8966.	1.2	0	7	NELCAL	-54	25	0
10	28	23	1	21.1	8.87	-115.62	3694	8983.	0.9	0	7	NELCAL	-20	58	0
10	28	23	25	17.2	-18.28	-78.02	2612	10298.	0.1	0	0	LIMAPU	-113	-78	0
10	28	23	25	17.7	-18.29	-78.00	2612	10297.	0.1	0	5	AGASTA	-115	-81	0
10	28	23	25	33.2	-18.59	-77.48	2593	10345.	0.2	0	5	AGASTA	-118	-82	0
10	28	23	25	33.5	-18.59	-77.47	2593	10342.	0.	8	0	LIMAPU	-122	-87	0
10	28	23	25	47.5	-18.86	-77.00	2577	10392.	0.2	0	5	SNTAGO	-117	-81	0
10	28	23	25	47.5	-18.86	-77.00	2577	10392.	0.2	0	5	AGASTA	-118	-82	0
10	28	23	25	47.5	-18.86	-77.00	2577	10390.	0.1	0	0	LIMAPU	-120	-84	0
10	28	23	26	1.8	-19.14	-76.51	2560	10441.	0.2	0	5	AGASTA	-117	-81	0
10	28	23	26	1.9	-19.14	-76.51	2560	10439.	0.3	0	5	SNTAGO	-118	-82	0
10	28	23	26	2.2	-19.15	-76.50	2559	10438.	0.1	8	0	LIMAPU	-121	-84	0
10	28	23	30	32.4	-24.21	-66.48	2225	11451.	0.1	5	0	AGASTA	-150	-94	0
10	29	1	49	53.8	-32.22	-72.25	1505	15852.	0.2	0	0	SNTAGO	-203	-149	0
10	29	1	49	54.8	-32.23	-72.20	1504	15864.	0.4	0	5	AGASTA	-194	-140	0
10	29	1	50	10.6	-32.37	-71.28	1484	15904.	0.3	0	5	AGASTA	-217	-155	0
10	29	1	50	11.0	-32.37	-71.27	1483	15905.	0.2	0	0	SNTAGO	-218	-156	0
10	29	1	50	24.4	-32.48	-70.49	1466	15957.	0.1	0	0	AGASTA	-217	-149	0
10	29	1	50	24.4	-32.48	-70.48	1466	15958.	0.1	0	5	SNTAGO	-217	-149	0
10	29	1	50	34.4	-32.56	-69.90	1453	15988.	0.1	0	0	SNTAGO	-225	-152	0
10	29	4	8	55.9	-32.02	-70.65	888	19483.	0.2	0	5	AGASTA	-321	-203	1
10	29	4	8	56.2	-32.02	-70.63	888	19481.	0.3	0	0	SNTAGO	-322	-204	1
10	29	4	9	2.6	-31.95	-70.20	882	19463.	0.2	0	0	AGASTA	-324	-198	1
10	29	4	9	3.7	-31.94	-70.13	881	19460.	0.6	0	5	SNTAGO	-325	-198	1
10	29	4	9	20.3	-31.74	-69.00	865	19422.	0.	7	0	SNTAGO	-321	-176	1
10	29	4	9	20.6	-31.73	-68.97	865	19421.	0.2	0	5	AGASTA	-321	-175	1
10	29	4	9	25.6	-31.67	-68.64	860	19395.	0.2	7	6	SNTAGO	-334	-183	1
10	29	4	9	25.7	-31.67	-68.63	860	19391.	0.2	0	5	AGASTA	-338	-187	1

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED -FINCH	FIELD -AFSWC	ACTIVITY K(P)
10	29	4	9	25.7	-31.67	-68.63	860	19393.	0.1	0	0	SNTAGO	-336	-185	1
10	29	4	9	34.3	-31.56	-68.05	852	19371.	0.1	0	5	AGASTA	-336	-176	1
10	29	4	9	35.0	-31.55	-68.00	851	19375.	0.1	0	0	SNTAGO	-330	-169	1
10	29	6	27	49.5	-20.35	-68.96	544	20995.	0.2	8	0	AGASTA	-337	-77	1
10	29	8	44	31.0	-6.40	-79.23	550	23731.	0.1	0	0	QUITOE	-209	-102	1
10	29	8	44	31.0	-6.40	-79.23	550	23731.	0.1	0	5	LIMAPU	-209	-102	1
10	29	8	44	51.6	-5.63	-78.13	557	23815.	0.1	0	5	QUITOE	-221	-111	1
10	29	8	44	51.7	-5.63	-78.13	557	23815.	0.1	8	0	LIMAPU	-222	-112	1
10	29	8	45	23.4	-4.44	-76.44	569	23951.	0.3	0	5	QUITOE	-250	-137	1
10	29	8	45	23.6	-4.44	-76.44	569	23952.	0.1	8	0	LIMAPU	-250	-137	1
10	29	8	45	53.6	-3.32	-74.85	582	24093.	0.5	1	5	LIMAPU	-275	-158	1
10	29	8	45	53.7	-3.31	-74.85	582	24099.	0.4	0	0	QUITOE	-269	-153	1
10	29	10	22	49.7	-26.53	134.71	2115	22170.	0.1	6	0	WOMERA	-201	284	1
10	29	10	22	59.0	-26.68	135.11	2103	22304.	0.1	0	0	WOMERA	-198	288	1
10	29	10	23	27.5	-27.15	136.36	2066	22709.	0.1	0	0	WOMERA	-203	284	1
10	29	10	23	38.5	-27.32	136.85	2051	22861.	0.1	0	0	WOMERA	-210	278	1
10	29	11	11	3.5	24.86	-62.11	1443	24464.	0.2	0	0	ANTGUA	-229	-56	1
10	29	11	11	13.4	25.07	-61.61	1456	24361.	0.2	0	0	ANTGUA	-223	-53	1
10	29	11	11	23.4	25.28	-61.11	1468	24244.	0.2	0	0	ANTGUA	-230	-63	1
10	29	11	11	33.9	25.49	-60.58	1482	24133.	0.2	0	0	ANTGUA	-227	-62	1
10	29	12	42	57.3	-33.31	133.56	1338	32365.	0.1	0	0	WOMERA	-286	414	2
10	29	12	43	8.5	-33.35	134.25	1324	32542.	0.1	8	0	WOMERA	-298	400	2
10	29	12	43	56.8	-33.46	137.27	1265	33319.	0.1	0	0	WOMERA	-308	374	2
10	29	12	44	9.4	-33.48	138.06	1249	33496.	0.1	0	0	WOMERA	-327	350	2
10	29	15	1	26.4	-30.14	133.89	797	39567.	0.1	4	0	WOMERA	-426	447	1
10	29	15	1	55.5	-29.63	135.83	772	39725.	0.1	4	0	WOMERA	-429	427	1
10	29	15	2	17.3	-29.23	137.28	754	39809.	0.1	8	0	WOMERA	-430	411	1
10	29	15	2	44.8	-28.69	139.10	732	39880.	0.	8	0	WOMERA	-424	394	1
10	29	15	34	43.2	28.81	-117.02	1703	22729.	0.1	0	0	NELCAL	-185	55	1
10	29	15	35	5.4	29.14	-115.91	1732	22628.	0.2	0	0	NELCAL	-199	39	1
10	29	15	36	17.8	30.14	-112.27	1828	22329.	0.1	0	6	NELCAL	-174	55	1
10	29	15	36	18.1	30.15	-112.26	1829	22325.	0.1	0	0	NELCAL	-176	53	1
10	29	15	36	51.0	30.56	-110.61	1872	22166.	0.1	0	6	NELCAL	-168	55	1
10	29	15	36	51.4	30.56	-110.59	1873	22165.	0.1	0	0	NELCAL	-168	56	1
10	29	15	48	18.7	33.18	-78.25	2732	17196.	0.1	0	0	BPOINT	-119	15	1
10	29	17	57	38.3	33.30	-112.84	2675	17053.	0.1	0	0	NELCAL	-121	45	1
10	29	17	57	56.7	33.25	-112.04	2696	16958.	0.2	0	0	NELCAL	-114	50	1
10	29	23	16	18.6	-19.58	-77.43	2672	10108.	0.1	0	0	LIMAPU	-111	-79	3
10	29	23	16	34.9	-19.88	-76.88	2654	10163.	0.1	0	0	LIMAPU	-109	-77	3
10	29	23	16	49.5	-20.15	-76.39	2637	10212.	0.1	0	0	LIMAPU	-108	-75	3
10	29	23	19	23.4	-22.95	-70.92	2453	10737.	0.1	0	5	LIMAPU	-129	-86	3
10	29	23	19	23.6	-22.96	-70.91	2453	10740.	0.	4	0	AGASTA	-127	-85	3
10	29	23	19	23.7	-22.96	-70.91	2453	10739.	0.1	0	5	SNTAGO	-129	-86	3
10	29	23	19	45.5	-23.35	-70.09	2426	10824.	0.1	0	5	LIMAPU	-128	-83	3
10	29	23	19	45.5	-23.35	-70.09	2426	10824.	0.1	0	0	SNTAGO	-128	-84	3
10	29	23	19	45.6	-23.35	-70.09	2426	10822.	0.1	0	5	AGASTA	-130	-86	3
10	29	23	21	20.1	-24.99	-66.42	2309	11195.	0.1	0	0	LIMAPU	-142	-90	3
10	29	23	21	21.1	-25.01	-66.38	2307	10372.	0.2	0	7	AGASTA	-969	-917	3
10	30	1	40	58.8	-32.58	-71.54	1568	15503.	0.2	0	0	SNTAGO	-209	-154	5
10	30	1	41	12.9	-32.68	-70.73	1549	15095.	0.2	0	7	SNTAGO	-672	-611	5
10	30	1	41	22.8	-32.75	-70.17	1537	15599.	0.2	0	0	SNTAGO	-204	-139	5
10	30	1	41	42.3	-32.88	-69.04	1511	15001.	0.4	0	7	SNTAGO	-875	-801	5
10	30	4	0	7.3	-31.59	-70.07	929	19058.	0.1	0	0	AGASTA	-317	-194	4
10	30	6	18	15.3	-20.84	-71.84	575	20935.	0.2	8	0	AGASTA	-407	-192	3
10	30	8	36	5.9	-4.42	-78.32	544	24305.	0.1	1	0	QUITOE	-229	-126	3
10	30	8	36	19.6	-3.91	-77.59	548	24387.	0.4	0	0	QUITOE	-241	-137	3
10	30	8	36	57.8	-2.47	-75.56	561	24633.	0.1	0	0	QUITOE	-267	-159	3
10	30	10	13	3.9	-26.68	133.35	2242	21204.	0.1	4	0	WOMERA	-187	282	2
10	30	10	13	16.2	-26.88	133.87	2227	21374.	0.1	8	0	WOMERA	-182	289	2
10	30	10	14	42.2	-28.18	137.60	2116	22521.	0.1	4	0	WOMERA	-196	278	2
10	30	10	14	52.8	-28.34	138.08	2102	22666.	0.1	4	0	WOMERA	-196	278	2
10	30	12	34	42.9	-33.48	136.69	1347	32211.	0.1	4	0	WOMERA	-301	366	3
10	30	12	35	12.0	-33.49	138.49	1311	32641.	0.1	4	0	WOMERA	-313	345	3
10	30	12	35	27.2	-33.48	139.44	1292	32864.	0.1	4	0	WOMERA	-314	339	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
10	30	13	17	24.5	30.81	-78.42	1781	23768.	0.5	0	0	BPOINT	-146	27	3
10	30	13	17	35.5	30.94	-77.86	1795	23652.	0.4	0	0	BPOINT	-146	26	3
10	30	13	17	46.5	31.06	-77.29	1810	23530.	0.3	0	0	BPOINT	-150	20	3
10	30	13	17	57.5	31.18	-76.73	1824	23414.	0.2	0	0	BPOINT	-147	22	3
10	30	14	52	25.9	-29.74	133.53	844	38595.	0.1	1	0	WOMERA	-409	452	3
10	30	14	53	6.2	-29.01	136.15	808	38815.	0.1	1	0	WOMERA	-420	420	3
10	30	14	53	27.7	-28.58	137.55	789	38902.	0.1	8	0	WOMERA	-419	406	3
10	30	14	53	52.9	-28.07	139.18	768	38975.	0.1	4	0	WOMERA	-410	396	3
10	30	15	25	26.3	29.20	-117.51	1611	23618.	0.2	0	0	NELCAL	-205	49	3
10	30	15	26	22.0	30.00	-114.62	1685	23398.	0.4	0	0	NELCAL	-188	60	3
10	30	15	27	11.5	30.64	-112.05	1750	23153.	0.2	0	0	NELCAL	-186	54	3
10	30	15	27	40.6	30.98	-110.55	1789	22996.	0.2	0	0	NELCAL	-182	52	3
10	30	15	38	36.1	33.09	-78.83	2623	17860.	0.1	0	0	BPOINT	-116	22	3
10	30	15	38	47.0	33.05	-78.35	2635	17756.	0.1	0	0	BPOINT	-126	12	3
10	30	15	39	14.3	32.94	-77.16	2667	17523.	0.1	0	0	BPOINT	-124	11	3
10	30	17	46	32.0	33.42	-117.27	2462	18173.	0.1	6	0	NELCAL	-139	42	3
10	30	17	46	32.3	33.42	-117.26	2462	18173.	0.1	0	6	NELCAL	-137	44	3
10	30	17	46	56.8	33.38	-116.14	2492	18020.	0.1	0	0	NELCAL	-144	35	3
10	30	17	47	38.8	33.28	-114.23	2543	17777.	0.1	6	0	NELCAL	-134	41	3
10	30	17	47	58.4	33.22	-113.36	2566	17647.	0.1	0	0	NELCAL	-145	29	3
10	30	18	4	3.2	24.12	-77.93	3464	12172.	0.1	0	0	BPOINT	-117	-19	4
10	30	18	4	17.9	23.92	-77.49	3474	12102.	0.1	0	0	BPOINT	-117	-19	4
10	30	20	14	24.2	23.79	-110.10	3471	11761.	0.3	0	0	NELCAL	-110	3	4
10	30	23	6	38.0	-20.10	-78.16	2778	9748.	0.	0	6	LIMAPU	-170	-142	6
10	30	23	6	38.0	-20.10	-78.16	2778	9747.	0.	0	0	LIMAPU	-171	-143	6
10	30	23	9	41.0	-23.33	-71.85	2569	10339.	0.1	0	5	LIMAPU	-184	-147	6
10	30	23	9	41.4	-23.33	-71.83	2568	10340.	0.1	0	5	SNTAGO	-184	-147	6
10	30	23	9	41.6	-23.34	-71.83	2568	10337.	0.	0	0	AGASTA	-188	-150	6
10	30	23	10	18.1	-23.96	-70.48	2525	10473.	0.1	0	5	LIMAPU	-186	-146	6
10	30	23	10	18.2	-23.96	-70.48	2525	10470.	0.1	0	5	AGASTA	-188	-149	6
10	30	23	10	18.6	-23.97	-70.47	2524	10473.	0.1	0	0	SNTAGO	-187	-148	6
10	30	23	11	46.1	-25.42	-67.13	2417	10805.	0.1	0	5	SNTAGO	-195	-149	6
10	30	23	11	46.4	-25.42	-67.12	2417	10807.	0.1	0	0	AGASTA	-194	-148	6
10	30	23	12	30.0	-26.13	-65.39	2363	10987.	0.1	0	5	SNTAGO	-193	-144	6
10	30	23	12	30.1	-26.13	-65.38	2363	10984.	0.1	0	0	AGASTA	-197	-147	6
10	31	1	30	45.5	-32.34	-75.07	1732	14863.	0.5	0	0	SNTAGO	-209	-183	4
10	31	1	31	17.5	-32.58	-73.32	1690	14994.	0.2	0	0	AGASTA	-204	-166	4
10	31	1	31	19.0	-32.59	-73.24	1688	14998.	0.5	0	5	SNTAGO	-205	-167	4
10	31	1	31	58.0	-32.85	-71.07	1637	15138.	0.3	0	5	AGASTA	-213	-160	4
10	31	1	31	59.4	-32.86	-70.99	1635	15141.	0.5	0	0	SNTAGO	-215	-161	4
10	31	1	32	28.5	-33.03	-69.35	1597	15240.	0.5	0	5	AGASTA	-223	-158	4
10	31	1	32	28.7	-33.03	-69.34	1597	15241.	0.2	0	0	SNTAGO	-223	-157	4
10	31	3	50	48.2	-31.48	-71.43	1002	18668.	0.1	0	0	SNTAGO	-324	-225	3
10	31	3	50	48.3	-31.48	-71.42	1002	18669.	0.1	0	5	AGASTA	-322	-224	3
10	31	3	51	4.1	-31.28	-70.39	985	18645.	0.1	0	5	AGASTA	-323	-208	3
10	31	3	51	4.2	-31.28	-70.39	985	18644.	0.1	0	0	SNTAGO	-325	-210	3
10	31	3	51	18.7	-31.08	-69.45	970	18621.	0.1	0	0	SNTAGO	-326	-198	3
10	31	3	51	18.7	-31.08	-69.44	970	18617.	0.2	0	5	AGASTA	-330	-202	3
10	31	3	51	31.8	-30.90	-68.60	956	18587.	0.2	0	0	SNTAGO	-341	-200	3
10	31	6	10	29.1	-17.90	-68.23	564	20823.	0.3	8	0	AGASTA	-389	-152	3
10	31	8	27	15.6	-3.36	-78.72	531	24743.	0.1	8	0	QUITOE	-276	-179	3
10	31	10	52	59.6	26.30	-62.20	1305	26335.	0.1	0	0	ANTGUA	-233	-47	5
10	31	10	53	19.7	26.70	-61.13	1330	26090.	0.2	0	0	ANTGUA	-228	-49	5
10	31	10	53	29.0	26.88	-60.63	1342	25964.	0.2	0	0	ANTGUA	-235	-60	5
10	31	12	25	42.8	-33.48	137.06	1412	31322.	0.1	4	0	WOMERA	-314	333	4
10	31	12	25	53.6	-33.48	137.71	1399	31473.	0.1	4	0	WOMERA	-322	323	4
10	31	12	26	2.9	-33.47	138.28	1387	31606.	0.1	4	0	WOMERA	-324	318	4
10	31	13	8	37.2	31.46	-77.16	1729	24406.	0.2	0	6	BPOINT	-130	45	4
10	31	13	8	37.4	31.46	-77.15	1729	24406.	0.1	0	0	BPOINT	-129	46	4
10	31	13	8	43.6	31.53	-76.82	1737	24334.	0.3	0	0	BPOINT	-127	47	4
10	31	13	8	52.7	31.62	-76.34	1749	24220.	0.2	0	6	BPOINT	-135	38	4
10	31	13	8	53.0	31.62	-76.33	1750	24215.	0.1	8	0	BPOINT	-137	36	4
10	31	14	44	3.6	-28.58	135.66	856	37821.	0.3	7	0	WOMERA	-417	412	4
10	31	14	44	12.3	-28.41	136.21	848	37856.	0.2	4	0	WOMERA	-425	399	4

TIME					POSITION			MEASURED		REMARKS				MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
10	31	14	44	32.2	-28.01	137.47	830	37945.	0.1	8	0	WOMERA		-419	393	4
10	31	14	44	47.1	-27.69	138.41	816	37995.	0.2	4	0	WOMERA		-417	384	4
10	31	15	16	38.1	29.99	-116.49	1558	24427.	0.1	0	0	NELCAL		-206	59	5
10	31	15	16	59.1	30.27	-115.37	1586	24330.	0.1	0	0	NELCAL		-207	56	5
10	31	15	17	30.1	30.67	-113.71	1627	24186.	0.1	0	0	NELCAL		-196	61	5
10	31	15	17	53.2	30.95	-112.47	1657	24066.	0.1	0	0	NELCAL		-191	61	5
10	31	15	29	41.4	32.77	-77.35	2568	18110.	0.3	2	7	BPOINT		-128	11	5
10	31	15	29	52.1	32.72	-76.88	2580	18033.	0.2	6	0	BPOINT		-105	32	5
10	31	15	29	52.2	32.71	-76.88	2581	18032.	0.2	0	6	BPOINT		-105	32	5
10	31	15	30	2.7	32.66	-76.42	2593	17926.	0.1	6	6	BPOINT		-113	23	5
10	31	15	30	2.8	32.66	-76.41	2593	17922.	0.1	0	0	BPOINT		-116	20	5
10	31	17	36	58.8	33.37	-117.65	2356	18828.	0.5	0	0	NELCAL		-145	45	5
10	31	17	38	42.1	33.05	-112.87	2484	18157.	0.1	0	0	NELCAL		-134	45	5
10	31	17	38	57.1	32.98	-112.19	2502	18058.	0.1	0	0	NELCAL		-133	44	5
10	31	20	0	2.6	26.90	-119.05	3192	13098.	0.1	0	0	NELCAL		-111	14	5
10	31	20	0	27.6	26.59	-118.22	3214	12988.	0.1	0	0	NELCAL		-105	19	5
10	31	20	0	49.4	26.30	-117.51	3232	12887.	0.1	0	0	NELCAL		-107	16	5
10	31	20	1	47.3	25.54	-115.64	3280	12619.	0.1	0	0	NELCAL		-114	7	5
10	31	22	56	53.7	-20.60	-78.93	2884	9475.	0.1	0	0	LIMAPU		-159	-134	6
10	31	22	58	31.3	-22.28	-75.70	2778	9737.	0.	0	0	LIMAPU		-188	-159	6
10	31	22	58	31.3	-22.28	-75.70	2778	9753.	0.2	5	7	AGASTA		-171	-143	6
10	31	22	58	32.1	-22.29	-75.68	2777	9737.	0.1	0	5	SNTAGO		-189	-161	6
10	31	22	59	22.5	-23.14	-73.94	2721	9901.	0.3	0	6	LIMAPU		-187	-156	6
10	31	22	59	22.5	-23.14	-73.94	2721	9895.	0.1	0	0	SNTAGO		-192	-162	6
10	31	22	59	22.6	-23.14	-73.94	2721	9896.	0.1	0	5	AGASTA		-192	-161	6
10	31	22	59	22.7	-23.14	-73.93	2721	9899.	0.3	0	5	LIMAPU		-190	-159	6
10	31	23	0	59.3	-24.73	-70.47	2610	10223.	0.5	3	5	SNTAGO		-196	-160	6
10	31	23	0	59.8	-24.73	-70.45	2609	10222.	0.4	0	5	AGASTA		-199	-162	6
10	31	23	0	59.9	-24.73	-70.45	2609	10221.	0.1	0	0	LIMAPU		-201	-164	6
10	31	23	1	55.2	-25.61	-68.38	2544	10419.	0.2	0	5	AGASTA		-204	-164	6
10	31	23	1	55.2	-25.61	-68.38	2544	10422.	0.1	0	0	LIMAPU		-202	-162	6
10	31	23	1	56.4	-25.63	-68.33	2542	10422.	0.2	0	5	SNTAGO		-207	-167	6
11	1	1	22	33.9	-32.96	-71.81	1739	14681.	0.1	0	5	SNTAGO		-215	-170	4
11	1	1	22	34.0	-32.96	-71.81	1739	14680.	0.1	1	0	AGASTA		-215	-171	4
11	1	1	22	45.2	-33.02	-71.20	1724	14716.	0.1	1	0	AGASTA		-220	-172	4
11	1	1	22	45.3	-33.02	-71.19	1724	14717.	0.2	0	5	SNTAGO		-220	-172	4
11	1	1	22	57.4	-33.08	-70.52	1708	14757.	0.1	0	0	SNTAGO		-224	-171	4
11	1	1	23	12.4	-33.15	-69.69	1688	14824.	0.2	8	0	SNTAGO		-210	-152	4
11	1	3	41	52.8	-31.06	-71.20	1055	18219.	0.1	0	0	SNTAGO		-319	-220	5
11	1	3	42	6.7	-30.87	-70.32	1040	18199.	0.1	0	5	AGASTA		-325	-214	5
11	1	3	42	6.9	-30.86	-70.31	1040	18202.	0.1	0	0	SNTAGO		-322	-210	5
11	1	3	42	16.0	-30.73	-69.73	1030	18181.	0.1	0	5	AGASTA		-334	-214	5
11	1	3	42	16.2	-30.73	-69.72	1029	18183.	0.1	0	0	SNTAGO		-332	-212	5
11	1	3	42	36.0	-30.44	-68.47	1008	18160.	0.3	0	5	AGASTA		-337	-199	5
11	1	3	42	36.6	-30.43	-68.43	1007	18164.	0.1	0	0	SNTAGO		-332	-194	5
11	1	6	0	32.7	-19.12	-72.34	616	20680.	0.3	8	0	AGASTA		-381	-187	6
11	1	6	1	2.0	-18.18	-70.63	600	20681.	0.3	1	6	AGASTA		-403	-191	6
11	1	6	1	2.8	-18.16	-70.59	600	20676.	0.3	8	0	AGASTA		-409	-197	6
11	1	6	1	56.8	-16.38	-67.47	574	20761.	0.2	5	0	AGASTA		-429	-210	6
11	1	6	1	56.8	-16.38	-67.47	574	20760.	0.2	0	6	AGASTA		-431	-211	6
11	1	8	23	47.5	9.64	-62.14	655	27589.	0.1	1	0	ANTGUA		-420	-212	6
11	1	8	23	57.6	10.00	-61.61	661	27611.	0.1	8	0	ANTGUA		-417	-209	6
11	1	9	55	8.9	-28.47	135.01	2370	20608.	0.1	0	0	WOMERA		-188	258	5
11	1	9	55	57.7	-29.12	137.09	2309	21189.	0.1	0	0	WOMERA		-187	260	5
11	1	9	56	24.9	-29.46	138.28	2275	21507.	0.3	0	0	WOMERA		-196	251	5
11	1	10	44	9.7	27.17	-61.67	1252	27129.	0.1	0	0	ANTGUA		-244	-57	5
11	1	10	44	20.0	27.37	-61.10	1265	26996.	0.1	0	0	ANTGUA		-239	-56	5
11	1	12	16	2.2	-33.48	135.09	1533	29911.	0.1	0	0	WOMERA		-247	388	5
11	1	12	16	30.2	-33.46	136.74	1497	30297.	0.1	0	0	WOMERA		-264	365	5
11	1	12	16	48.6	-33.43	137.83	1473	30558.	0.1	0	0	WOMERA		-263	362	5
11	1	12	58	48.5	31.39	-79.30	1594	25781.	0.2	8	0	BPOINT		-132	53	5
11	1	12	59	3.4	31.55	-78.48	1614	25590.	0.3	8	0	BPOINT		-143	40	5
11	1	13	4	15.0	33.42	-61.88	2026	21458.	0.2	8	0	ANTGUA		-158	-24	5
11	1	14	35	12.4	-27.91	135.90	899	36835.	0.8	8	0	WOMERA		-395	414	5
11	1	14	35	36.7	-27.40	137.40	875	36944.	0.6	0	0	WOMERA		-395	400	5
11	1	14	35	46.6	-27.19	138.01	866	36978.	0.1	8	0	WOMERA		-398	392	5

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	REMARKS L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	1	15	8	8.0	30.90	-114.51	1528	25135.	0.1	8	0	NELCAL	-219	54	4
11	1	15	8	34.0	31.21	-113.08	1562	25004.	0.1	8	0	NELCAL	-208	60	4
11	1	15	8	56.6	31.46	-111.84	1592	24872.	0.1	8	0	NELCAL	-206	56	4
11	1	15	9	19.2	31.70	-110.60	1621	24732.	0.1	8	0	NELCAL	-204	52	4
11	1	15	20	6.0	32.62	-77.79	2460	18812.	0.1	8	0	BPOINT	-108	35	4
11	1	15	20	20.0	32.53	-77.16	2478	18668.	0.1	8	0	BPOINT	-110	31	4
11	1	15	26	34.8	29.21	-61.75	2903	15075.	0.1	8	0	ANTGUA	-133	-31	4
11	1	15	26	53.5	29.00	-61.05	2923	14912.	0.1	0	0	ANTGUA	-134	-33	4
11	1	17	27	18.6	33.33	-118.52	2238	19606.	0.7	0	0	NELCAL	-131	68	4
11	1	17	27	32.7	33.29	-117.84	2256	19502.	0.5	0	0	NELCAL	-137	61	4
11	1	17	27	47.4	33.25	-117.13	2274	19398.	0.4	0	0	NELCAL	-137	60	4
11	1	17	28	2.0	33.20	-116.43	2293	19296.	0.3	0	0	NELCAL	-135	60	4
11	1	17	46	6.0	21.48	-75.80	3396	11999.	0.2	2	0	QUITOE	-120	-24	4
11	1	19	52	34.8	24.55	-114.98	3225	12711.	0.3	0	0	NELCAL	-103	19	4
11	1	19	52	49.2	24.35	-114.53	3237	12641.	0.2	0	0	NELCAL	-104	18	4
11	1	19	53	3.9	24.14	-114.07	3249	12566.	0.3	0	0	NELCAL	-109	12	4
11	1	22	47	17.4	-21.27	-79.34	2976	9248.	0.1	0	0	AGASTA	-151	-129	4
11	1	22	49	48.4	-23.74	-74.34	2818	9672.	0.1	0	5	AGASTA	-159	-132	4
11	1	22	49	48.4	-23.74	-74.34	2818	9670.	0.1	0	0	SNTAGO	-161	-134	4
11	2	1	13	43.4	-33.21	-70.61	1796	14350.	0.3	0	5	AGASTA	-220	-173	5
11	2	1	13	43.6	-33.21	-70.60	1796	14353.	0.2	1	0	SNTAGO	-218	-170	5
11	2	1	14	4.1	-33.29	-69.49	1769	14410.	0.2	0	6	SNTAGO	-231	-177	5
11	2	1	14	4.4	-33.29	-69.47	1768	14417.	0.2	0	5	AGASTA	-225	-171	5
11	2	1	14	4.6	-33.29	-69.46	1768	14414.	0.2	0	0	SNTAGO	-229	-175	5
11	2	1	14	23.4	-33.35	-68.43	1743	14484.	0.2	1	0	SNTAGO	-223	-163	5
11	2	3	32	34.5	-30.90	-72.33	1135	17782.	0.1	0	0	SNTAGO	-311	-231	6
11	2	3	32	34.6	-30.90	-72.32	1135	17781.	0.2	0	5	AGASTA	-312	-232	6
11	2	3	32	53.5	-30.63	-71.16	1113	17765.	0.2	0	5	SNTAGO	-319	-223	6
11	2	3	32	53.6	-30.63	-71.15	1113	17760.	0.1	0	0	AGASTA	-324	-228	6
11	2	3	32	53.7	-30.63	-71.15	1113	17766.	0.4	0	6	SNTAGO	-318	-222	6
11	2	3	32	54.9	-30.61	-71.07	1112	17771.	0.1	0	6	SNTAGO	-313	-215	6
11	2	3	33	7.4	-30.43	-70.30	1097	17739.	0.4	0	0	AGASTA	-339	-231	6
11	2	3	33	23.4	-30.19	-69.32	1079	17735.	0.1	0	5	AGASTA	-334	-214	6
11	2	3	33	23.4	-30.19	-69.31	1079	17738.	0.1	0	0	SNTAGO	-332	-211	6
11	2	5	50	31.6	-20.37	-76.60	687	20503.	0.3	6	5	AGASTA	-347	-225	6
11	2	5	50	31.8	-20.36	-76.59	687	20502.	0.2	0	0	LIMAPU	-347	-225	6
11	2	5	51	4.9	-19.35	-74.67	664	20492.	0.2	0	0	LIMAPU	-367	-212	6
11	2	5	51	38.6	-18.29	-72.73	642	20525.	0.3	0	0	AGASTA	-373	-192	6
11	2	5	52	5.9	-17.42	-71.17	626	20565.	0.3	2	0	AGASTA	-388	-192	6
11	2	8	10	0.5	-0.31	-78.25	519	25937.	0.1	0	0	QUITOE	-275	-194	6
11	2	8	15	3.9	10.95	-62.08	632	28465.	0.1	0	0	ANTGUA	-402	-183	6
11	2	8	15	14.6	11.32	-61.50	639	28486.	0.1	0	0	ANTGUA	-402	-182	6
11	2	8	15	27.3	11.77	-60.83	647	28512.	0.1	1	0	ANTGUA	-393	-174	6
11	2	10	35	8.7	27.79	-61.73	1188	28076.	0.1	0	0	ANTGUA	-236	-44	5
11	2	10	35	19.0	27.98	-61.14	1201	27923.	0.1	0	0	ANTGUA	-243	-56	5
11	2	12	6	48.2	-33.46	134.84	1620	28890.	0.2	0	0	WOMERA	-234	383	6
11	2	12	7	38.0	-33.36	137.71	1555	29558.	0.1	8	0	WOMERA	-246	360	6
11	2	12	7	59.7	-33.29	138.98	1526	29828.	0.1	0	0	WOMERA	-262	339	6
11	2	12	55	13.2	33.47	-61.09	1954	21989.	0.2	0	0	ANTGUA	-164	-30	6
11	2	14	25	56.2	-27.70	134.66	968	35700.	0.1	0	0	WOMERA	-373	425	6
11	2	14	26	5.5	-27.51	135.22	958	35748.	0.2	8	0	WOMERA	-380	414	6
11	2	14	26	23.3	-27.13	136.29	940	35837.	0.1	8	0	WOMERA	-385	401	6
11	2	14	26	32.5	-26.93	136.85	930	35889.	0.1	8	0	WOMERA	-377	405	6
11	2	15	17	13.2	28.61	-61.46	2825	15452.	0.1	2	7	ANTGUA	-44	59	6
11	2	17	18	5.7	33.20	-118.14	2154	20174.	0.2	0	0	NELCAL	-163	44	6
11	2	17	18	20.5	33.14	-117.41	2173	20064.	0.3	0	0	NELCAL	-160	45	6
11	2	17	18	35.3	33.08	-116.69	2192	19950.	0.2	8	0	NELCAL	-161	43	6
11	2	17	19	4.8	32.95	-115.26	2230	19729.	0.2	8	0	NELCAL	-153	47	6
11	2	17	35	32.7	21.57	-77.59	3287	12441.	0.2	2	0	QUITOE	-144	-44	6
11	2	17	35	47.5	21.34	-77.15	3299	12356.	0.4	2	0	QUITOE	-139	-40	6
11	2	22	38	48.2	-23.02	-77.52	2998	9196.	0.2	0	6	LIMAPU	-164	-142	6
11	2	22	38	48.2	-23.02	-77.52	2998	9194.	0.3	0	5	AGASTA	-167	-146	6

TIME					POSITION			MEASURED		REMARKS				MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
11	2	22	38	48.3	-23.02	-77.52	2998	9198.	0.1	6	0	LIMAPU		-163	-141	6
11	2	22	38	48.5	-23.02	-77.51	2998	9200.	0.2	0	6	LIMAPU		-162	-140	6
11	2	22	39	27.2	-23.63	-76.24	2959	9298.	0.2	0	5	AGASTA		-168	-146	6
11	2	22	39	27.4	-23.63	-76.23	2959	9301.	0.1	0	6	LIMAPU		-165	-143	6
11	2	22	39	27.4	-23.63	-76.23	2959	9304.	0.	7	0	LIMAPU		-163	-140	6
11	2	22	39	27.7	-23.64	-76.22	2958	9304.	0.1	0	6	LIMAPU		-164	-141	6
11	2	22	40	14.5	-24.36	-74.65	2910	9421.	0.1	0	0	LIMAPU		-179	-155	6
11	2	22	40	35.3	-24.68	-73.94	2889	9485.	0.2	7	0	LIMAPU		-175	-150	6
11	2	22	40	35.5	-24.68	-73.93	2888	9488.	0.1	0	5	AGASTA		-173	-148	6
11	2	22	40	35.6	-24.68	-73.93	2888	9487.	0.2	0	6	LIMAPU		-174	-148	6
11	2	22	43	57.5	-27.59	-66.59	2666	10121.	0.2	0	0	LIMAPU		-191	-155	6
11	2	22	44	21.3	-27.91	-65.67	2638	9735.	0.6	0	7	LIMAPU		-662	-625	6
11	3	1	4	57.4	-33.39	-69.11	1847	14039.	0.1	0	0	SNTAGO		-219	-167	6
11	3	1	5	13.6	-33.43	-68.23	1825	14087.	0.1	0	0	SNTAGO		-224	-168	6
11	3	1	5	21.6	-33.44	-67.80	1815	14118.	0.1	0	0	SNTAGO		-219	-161	6
11	3	1	5	27.7	-33.45	-67.47	1807	14133.	0.1	0	0	SNTAGO		-224	-164	6
11	3	1	5	33.0	-33.45	-67.18	1800	14155.	0.1	0	0	SNTAGO		-219	-158	6
11	3	3	23	23.1	-30.61	-72.93	1209	17352.	0.2	1	0	SNTAGO		-276	-207	5
11	3	3	23	35.2	-30.44	-72.21	1195	17337.	0.1	8	5	SNTAGO		-291	-212	5
11	3	3	23	35.3	-30.44	-72.20	1195	17338.	0.1	0	0	AGASTA		-289	-210	5
11	3	3	23	45.1	-30.29	-71.62	1183	17343.	0.1	0	0	SNTAGO		-284	-198	5
11	3	3	23	57.5	-30.11	-70.87	1168	17328.	0.3	0	5	SNTAGO		-298	-202	5
11	3	3	23	57.8	-30.10	-70.85	1168	17330.	0.1	0	0	AGASTA		-296	-200	5
11	3	5	42	29.4	-17.91	-73.95	681	20359.	0.1	0	0	LIMAPU		-328	-168	5
11	3	8	1	28.0	1.44	-77.71	515	26608.	0.1	0	6	QUITOE		-339	-264	5
11	3	8	1	28.0	1.44	-77.71	515	26609.	0.1	0	0	QUITOE		-338	-263	5
11	3	8	1	42.5	2.00	-76.93	517	26797.	0.1	0	6	QUITOE		-350	-272	5
11	3	8	1	42.8	2.01	-76.92	517	26802.	0.1	0	0	QUITOE		-349	-271	5
11	3	11	58	42.8	-33.20	138.56	1616	28754.	0.4	0	0	WOMERA		-255	330	5
11	3	12	40	54.4	32.26	-78.04	1466	27343.	0.2	0	0	BPOINT		-144	48	5
11	3	12	41	4.5	32.34	-77.45	1479	27198.	0.3	0	0	BPOINT		-149	42	5
11	3	12	41	16.8	32.45	-76.74	1495	27028.	0.1	0	0	BPOINT		-146	42	5
11	3	12	46	13.8	33.47	-60.18	1886	22486.	0.1	0	0	ANTGUA		-171	-36	5
11	3	14	17	10.3	-26.81	135.30	1007	34734.	0.1	0	0	WOMERA		-345	427	5
11	3	14	17	31.5	-26.35	136.54	984	34849.	0.1	8	0	WOMERA		-339	424	5
11	3	14	17	55.1	-25.82	137.92	960	34943.	0.1	0	0	WOMERA		-344	407	5
11	3	14	18	15.7	-25.34	139.12	938	35011.	0.2	0	0	WOMERA		-341	397	5
11	3	14	50	43.1	32.14	-111.70	1439	26628.	0.1	8	0	NELCAL		-243	44	5
11	3	14	50	55.4	32.25	-110.98	1455	26558.	0.3	8	0	NELCAL		-228	55	5
11	3	14	51	15.2	32.42	-109.83	1480	26416.	0.1	8	0	NELCAL		-227	49	5
11	3	15	7	23.4	28.33	-62.29	2712	15934.	0.1	0	0	ANTGUA		-151	-43	6
11	3	15	7	33.0	28.21	-61.92	2723	15829.	0.2	0	0	ANTGUA		-158	-52	6
11	3	15	7	52.9	27.95	-61.16	2745	15634.	0.3	0	0	ANTGUA		-152	-47	6
11	3	17	9	5.3	32.96	-117.17	2085	20689.	0.4	8	0	NELCAL		-160	53	6
11	3	17	9	23.7	32.87	-116.25	2109	20540.	0.4	8	0	NELCAL		-157	55	6
11	3	17	9	45.9	32.75	-115.16	2138	20362.	0.9	8	0	NELCAL		-148	60	6
11	3	17	10	0.7	32.66	-114.43	2157	20239.	0.5	8	0	NELCAL		-147	59	6
11	3	19	32	55.4	23.60	-116.20	3040	13285.	0.2	0	0	NELCAL		-107	21	5
11	3	19	33	9.8	23.38	-115.73	3054	13200.	0.1	0	0	NELCAL		-108	19	5
11	3	19	33	21.7	23.20	-115.35	3065	13137.	0.2	0	0	NELCAL		-103	23	5
11	3	19	33	35.6	22.98	-114.91	3079	13055.	0.1	8	0	NELCAL		-105	20	5
11	4	0	55	24.9	-33.42	-70.00	1959	13603.	0.1	0	0	SNTAGO		-196	-153	2
11	4	0	55	35.7	-33.44	-69.44	1944	13627.	0.	0	0	SNTAGO		-205	-159	2
11	4	0	55	52.8	-33.46	-68.54	1922	13685.	0.1	0	0	SNTAGO		-200	-151	2
11	4	0	56	8.0	-33.47	-67.73	1902	13727.	0.1	0	0	SNTAGO		-206	-152	2
11	4	3	15	7.1	-29.44	-70.22	1219	16875.	0.1	0	5	AGASTA		-291	-190	3
11	4	3	15	8.3	-29.42	-70.16	1217	16875.	0.1	8	0	SNTAGO		-292	-191	3
11	4	3	15	12.6	-29.35	-69.91	1212	16881.	0.2	0	5	AGASTA		-287	-183	3
11	4	3	15	12.7	-29.35	-69.90	1212	16878.	0.1	0	0	SNTAGO		-291	-186	3
11	4	3	15	49.5	-28.72	-67.76	1168	16885.	0.2	0	0	AGASTA		-300	-171	3
11	4	3	15	49.5	-28.71	-67.76	1168	16886.	0.2	0	5	SNTAGO		-299	-170	3
11	4	3	16	2.4	-28.48	-67.00	1153	16893.	0.1	0	0	AGASTA		-299	-162	3
11	4	3	16	2.7	-28.48	-66.99	1152	16891.	0.1	0	5	SNTAGO		-302	-164	3
11	4	5	31	52.7	-20.17	-80.00	799	19985.	0.1	8	0	LIMAPU		-256	-189	3
11	4	5	32	5.0	-19.81	-79.31	788	19999.	0.2	0	6	LIMAPU		-256	-178	3
11	4	5	32	5.3	-19.80	-79.29	788	20002.	0.1	0	0	LIMAPU		-254	-175	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	4	7	52	19.9	1.83	-79.07	512	26849.	0.1	0	0	QUITOE	-305	-237	5
11	4	7	52	35.0	2.40	-78.27	512	27070.	0.1	1	0	QUITOE	-317	-247	5
11	4	7	52	52.5	3.07	-77.33	513	27321.	0.1	0	0	QUITOE	-334	-261	5
11	4	7	57	29.8	13.28	-62.26	589	30095.	0.1	0	0	ANTGUA	-437	-190	5
11	4	7	57	40.4	13.65	-61.67	594	30124.	0.1	0	0	ANTGUA	-436	-187	5
11	4	7	57	49.5	13.97	-61.17	599	30140.	0.	0	0	ANTGUA	-439	-188	5
11	4	9	28	52.4	-31.12	139.69	2511	20081.	0.1	7	0	WOMERA	-164	244	4
11	4	9	29	10.1	-31.28	140.46	2490	20247.	0.1	4	0	WOMERA	-170	237	4
11	4	11	48	24.9	-33.31	134.89	1788	26993.	0.2	8	0	WOMERA	-221	355	4
11	4	11	49	15.8	-33.12	137.69	1720	27600.	0.1	8	0	WOMERA	-237	332	4
11	4	11	49	39.0	-33.01	138.97	1690	27866.	0.6	0	0	WOMERA	-245	319	4
11	4	12	31	41.3	32.47	-78.39	1384	28372.	0.3	0	0	BPOINT	-134	64	5
11	4	12	31	56.4	32.59	-77.50	1403	28151.	0.4	8	0	BPOINT	-136	60	5
11	4	12	32	11.0	32.70	-76.63	1421	27934.	0.2	0	0	BPOINT	-137	56	5
11	4	12	32	26.9	32.81	-75.69	1442	27690.	0.1	0	0	BPOINT	-141	50	5
11	4	14	8	15.2	-26.07	135.41	1058	33668.	0.1	8	0	WOMERA	-342	407	5
11	4	14	8	45.9	-25.38	137.16	1024	33820.	0.1	0	0	WOMERA	-338	397	5
11	4	14	9	7.1	-24.89	138.37	1001	33902.	0.1	8	0	WOMERA	-336	388	5
11	4	14	9	24.3	-24.47	139.34	983	33950.	0.1	8	0	WOMERA	-339	375	5
11	4	14	40	1.2	31.45	-117.43	1246	28052.	0.1	0	0	NELCAL	-284	46	5
11	4	14	40	46.4	31.94	-114.71	1302	27833.	0.1	0	0	NELCAL	-268	50	5
11	4	14	41	7.3	32.15	-113.45	1328	27710.	0.1	0	0	NELCAL	-264	48	5
11	4	14	41	38.5	32.43	-111.58	1367	27515.	0.2	8	0	NELCAL	-249	50	5
11	4	14	58	13.5	27.55	-61.69	2641	16159.	0.2	0	0	ANTGUA	-150	-41	5
11	4	14	58	34.4	27.26	-60.89	2665	15931.	0.1	0	0	ANTGUA	-151	-45	5
11	4	16	59	43.2	32.80	-117.39	1988	21410.	0.3	0	0	NELCAL	-149	75	5
11	4	17	0	5.0	32.67	-116.28	2017	21204.	0.4	0	0	NELCAL	-161	60	5
11	4	17	0	20.0	32.57	-115.52	2036	21068.	0.9	1	0	NELCAL	-162	56	5
11	4	17	0	34.7	32.47	-114.79	2056	20943.	0.5	0	0	NELCAL	-153	62	5
11	4	19	23	0.1	23.25	-117.12	2933	13653.	0.1	0	0	NELCAL	-123	8	6
11	4	19	23	15.1	23.02	-116.63	2948	13557.	0.1	0	0	NELCAL	-124	6	6
11	4	19	23	32.4	22.74	-116.06	2966	13445.	0.2	0	0	NELCAL	-127	3	6
11	4	19	23	54.3	22.39	-115.35	2988	13304.	0.4	0	0	NELCAL	-130	-3	6
11	4	22	20	4.8	-24.77	-77.04	3140	8890.	0.1	0	0	LIMAPU	-158	-140	4
11	4	22	20	34.8	-25.20	-76.06	3112	8960.	0.1	0	5	LIMAPU	-159	-140	4
11	4	22	20	35.2	-25.20	-76.04	3112	8960.	0.1	0	0	AGASTA	-160	-141	4
11	4	22	24	32.8	-28.34	-67.75	2876	9605.	0.1	0	0	SNTAGO	-159	-131	4
11	4	22	25	7.5	-28.76	-66.45	2839	9703.	0.3	0	5	AGASTA	-167	-137	4
11	4	22	25	8.5	-28.77	-66.41	2838	9710.	0.1	0	0	SNTAGO	-163	-133	4
11	4	22	25	54.8	-29.31	-64.65	2787	9856.	0.1	0	0	SNTAGO	-164	-132	4
11	4	22	25	54.8	-29.31	-64.65	2787	9857.	0.1	0	5	AGASTA	-162	-131	4
11	5	0	46	8.1	-33.46	-69.96	2049	13205.	0.1	5	0	AGASTA	-194	-154	5
11	5	0	46	8.2	-33.46	-69.96	2049	13205.	0.6	5	5	SNTAGO	-194	-155	5
11	5	0	46	19.4	-33.47	-69.38	2034	13240.	0.1	0	0	SNTAGO	-193	-151	5
11	5	0	46	19.6	-33.47	-69.38	2034	13240.	0.2	5	5	AGASTA	-194	-152	5
11	5	0	46	30.1	-33.48	-68.83	2020	13268.	0.2	4	5	SNTAGO	-196	-152	5
11	5	0	46	30.1	-33.48	-68.83	2020	13269.	0.1	0	0	AGASTA	-195	-151	5
11	5	0	46	40.7	-33.48	-68.30	2006	13302.	0.1	0	0	SNTAGO	-194	-148	5
11	5	0	46	42.5	-33.48	-68.20	2004	13301.	0.1	0	5	AGASTA	-201	-153	5
11	5	3	5	49.9	-29.16	-71.08	1303	16417.	0.2	0	5	AGASTA	-277	-191	5
11	5	3	5	50.4	-29.15	-71.06	1302	16421.	0.1	4	0	SNTAGO	-273	-186	5
11	5	3	6	1.0	-28.97	-70.46	1289	16430.	0.2	0	5	AGASTA	-272	-178	5
11	5	3	6	1.5	-28.96	-70.43	1288	16434.	0.1	4	0	SNTAGO	-269	-175	5
11	5	3	6	29.1	-28.49	-68.87	1254	16432.	0.1	8	5	AGASTA	-292	-181	5
11	5	3	6	29.3	-28.48	-68.86	1254	16433.	0.1	4	0	SNTAGO	-291	-180	5
11	5	5	23	49.0	-17.75	-77.43	794	19757.	2.9	1	0	LIMAPU	-289	-183	5
11	5	5	24	21.1	-16.75	-75.69	766	19868.	0.2	8	0	LIMAPU	-303	-175	5
11	5	5	24	34.6	-16.32	-74.96	755	19918.	0.3	1	0	AGASTA	-314	-178	5
11	5	5	24	50.0	-15.82	-74.12	743	19998.	0.6	8	0	LIMAPU	-310	-166	5
11	5	6	50	58.1	-16.46	136.00	3561	11837.	0.1	0	0	WOMERA	-137	118	5
11	5	6	52	11.4	-17.65	137.92	3521	12152.	0.1	0	0	WOMERA	-137	121	5
11	5	6	52	28.6	-17.93	138.38	3511	12227.	0.1	0	0	WOMERA	-139	120	5
11	5	7	43	37.2	3.18	-79.07	512	27412.	0.8	8	0	QUITOE	-305	-240	5
11	5	7	44	46.0	5.79	-75.36	513	28492.	0.2	1	0	QUITOE	-363	-273	5
11	5	7	48	48.3	14.61	-62.02	574	30903.	0.1	8	0	ANTGUA	-431	-165	5

		TIME			POSITION			MEASURED				REMARKS		MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
11	5	7	48	57.9	14.94	-61.48	578	30927.	0.1	8	0	ANTGUA		-431	-164	5
11	5	7	49	7.9	15.28	-60.92	583	30950.	0.1	8	0	ANTGUA		-428	-159	5
11	5	9	17	38.6	-30.47	135.25	2728	18551.	0.1	0	0	WOMERA		-150	245	4
11	5	9	17	56.5	-30.65	135.97	2708	18709.	0.1	0	0	WOMERA		-148	247	4
11	5	9	18	27.1	-30.94	137.22	2673	18974.	0.5	0	0	WOMERA		-153	242	4
11	5	9	18	41.9	-31.08	137.83	2656	19110.	0.3	0	0	WOMERA		-149	247	4
11	5	11	40	3.6	-32.96	137.73	1805	26652.	0.4	0	0	WOMERA		-231	319	4
11	5	11	40	24.8	-32.84	138.88	1777	26876.	0.1	0	0	WOMERA		-245	302	4
11	5	11	40	39.0	-32.75	139.65	1758	27041.	0.1	0	6	WOMERA		-235	309	4
11	5	11	40	39.8	-32.74	139.69	1757	27039.	0.1	0	0	WOMERA		-247	297	4
11	5	13	59	4.4	-25.64	134.67	1129	32524.	0.1	0	0	WOMERA		-324	405	4
11	5	13	59	23.6	-25.21	135.73	1107	32619.	0.1	0	0	WOMERA		-333	390	4
11	5	14	0	12.4	-24.06	138.43	1052	32833.	0.1	8	0	WOMERA		-323	377	4
11	5	14	0	30.3	-23.62	139.42	1032	32887.	0.1	0	0	WOMERA		-321	369	4
11	5	14	31	5.6	31.88	-116.95	1190	28919.	0.1	0	0	NELCAL		-284	62	4
11	5	14	31	40.3	32.23	-114.81	1231	28741.	0.1	8	0	NELCAL		-276	59	4
11	5	14	32	12.6	32.51	-112.82	1271	28554.	0.1	8	0	NELCAL		-259	64	4
11	5	14	32	37.5	32.71	-111.29	1301	28383.	0.1	8	0	NELCAL		-253	58	4
11	5	14	42	40.9	31.48	-77.75	2088	21284.	0.4	0	0	BPOINT		-130	28	4
11	5	14	42	59.8	31.30	-76.84	2112	21032.	0.6	8	0	BPOINT		-125	30	4
11	5	14	43	10.1	31.19	-76.35	2126	20885.	0.3	0	0	BPOINT		-133	21	4
11	5	16	50	29.9	32.57	-117.23	1902	22034.	0.1	0	0	NELCAL		-178	55	3
11	5	16	50	55.7	32.38	-115.90	1936	21790.	0.1	0	0	NELCAL		-174	54	3
11	5	16	51	6.2	32.30	-115.37	1950	21692.	0.1	0	0	NELCAL		-172	54	3
11	5	19	12	47.4	23.23	-118.72	2800	14219.	0.1	0	0	NELCAL		-110	27	3
11	5	19	13	5.1	22.94	-118.13	2820	14092.	0.4	7	0	NELCAL		-113	23	3
11	5	19	13	17.7	22.73	-117.70	2833	14008.	0.2	0	0	NELCAL		-109	25	3
11	5	19	13	49.3	22.20	-116.64	2867	13787.	0.2	0	0	NELCAL		-112	20	3
11	5	22	9	4.6	-24.26	-79.81	3287	7930.	0.1	0	7	LIMAPU		-777	-763	2
11	5	22	9	34.2	-24.67	-78.89	3263	9226.	0.1	0	7	LIMAPU		459	473	2
11	5	22	9	46.0	-24.84	-78.51	3253	9518.	0.1	0	7	LIMAPU		727	742	2
11	5	22	15	17.4	-29.05	-67.18	2946	9485.	0.3	0	0	SNTAGO		-115	-88	2
11	5	22	16	14.3	-29.67	-65.05	2887	9642.	0.1	8	0	SNTAGO		-123	-94	2
11	6	0	37	35.8	-33.45	-67.59	2081	12963.	0.3	0	0	SNTAGO		-170	-124	4
11	6	0	37	36.2	-33.44	-67.57	2080	12963.	0.3	0	5	AGASTA		-172	-126	4
11	6	0	37	48.9	-33.43	-66.93	2064	12993.	0.1	0	0	SNTAGO		-177	-129	4
11	6	0	37	56.5	-33.41	-66.54	2054	13021.	0.1	0	0	SNTAGO		-170	-121	4
11	6	0	38	9.3	-33.39	-65.88	2037	13057.	0.6	0	5	AGASTA		-170	-118	4
11	6	0	38	10.7	-33.39	-65.81	2035	13064.	0.1	8	0	SNTAGO		-167	-115	4
11	6	2	57	2.0	-28.34	-70.24	1352	15969.	0.1	0	5	AGASTA		-273	-181	4
11	6	2	57	2.4	-28.33	-70.22	1351	15970.	0.1	8	0	SNTAGO		-272	-180	4
11	6	2	57	12.8	-28.15	-69.65	1338	15975.	0.1	0	0	SNTAGO		-279	-181	4
11	6	5	15	19.9	-16.02	-76.33	812	19615.	0.3	0	0	LIMAPU		-274	-157	4
11	6	7	35	13.9	5.28	-78.00	513	28309.	0.1	0	0	QUITOE		-330	-261	4
11	6	7	40	1.8	15.74	-62.04	558	31658.	0.1	8	0	ANTGUA		-435	-150	4
11	6	7	40	11.7	16.08	-61.47	562	31683.	0.1	8	0	ANTGUA		-437	-150	4
11	6	9	8	5.4	-30.84	135.11	2823	18031.	0.1	0	0	WOMERA		-137	246	4
11	6	9	8	42.5	-31.18	136.60	2782	18328.	0.1	0	0	WOMERA		-139	244	4
11	6	9	9	1.1	-31.34	137.35	2762	18472.	0.1	0	0	WOMERA		-146	237	4
11	6	9	9	19.1	-31.49	138.09	2742	18624.	0.	0	0	WOMERA		-142	242	4
11	6	11	29	59.6	-33.03	135.17	1958	25193.	0.3	0	0	WOMERA		-211	325	4
11	6	11	31	14.3	-32.60	139.06	1859	25976.	0.2	0	0	WOMERA		-223	305	4
11	6	12	13	50.7	33.04	-77.10	1266	29895.	0.1	0	0	BPOINT		-147	56	3
11	6	12	14	3.6	33.11	-76.29	1282	29686.	0.1	0	0	BPOINT		-144	56	3
11	6	12	14	18.8	33.18	-75.36	1301	29431.	0.2	0	0	BPOINT		-147	51	3
11	6	12	14	34.5	33.25	-74.38	1320	29161.	0.1	0	0	BPOINT		-150	45	3
11	6	13	50	19.5	-24.57	135.40	1172	31514.	0.1	0	0	WOMERA		-310	390	3
11	6	13	50	51.8	-23.82	137.13	1133	31661.	0.1	0	0	WOMERA		-311	376	3
11	6	13	51	13.7	-23.29	138.31	1108	31744.	0.1	0	0	WOMERA		-308	368	3
11	6	13	51	42.4	-22.57	139.85	1075	31831.	0.1	8	0	WOMERA		-302	359	3
11	6	14	22	5.1	32.20	-116.80	1128	29785.	0.1	0	0	NELCAL		-305	57	3
11	6	14	22	44.3	32.56	-114.32	1174	29587.	0.1	0	0	NELCAL		-286	63	3
11	6	14	23	19.7	32.83	-112.08	1216	29359.	0.	0	0	NELCAL		-276	56	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	6	14	24	15.7	33.16	-108.58	1285	28928.	0.1	0	0	NELCAL	-257	46	3
11	6	14	33	23.0	31.13	-77.79	1996	21944.	0.5	0	0	BPOINT	-137	25	3
11	6	14	33	52.6	30.81	-76.35	2035	21526.	3.3	0	0	BPOINT	-127	31	3
11	6	14	39	13.6	26.51	-62.29	2445	17118.	0.1	0	0	ANTGUA	-160	-44	3
11	6	14	39	43.2	26.06	-61.13	2481	16749.	0.5	0	0	ANTGUA	-162	-50	3
11	6	16	41	6.8	32.38	-117.68	1803	22766.	0.1	8	0	NELCAL	-215	29	2
11	6	16	41	49.2	32.04	-115.45	1859	22351.	0.1	8	0	NELCAL	-199	36	2
11	6	16	58	7.1	17.45	-76.84	3026	12821.	0.3	0	0	QUITOE	-132	-32	2
11	6	16	58	17.5	17.26	-76.53	3036	12734.	0.2	0	0	QUITOE	-138	-39	2
11	6	16	59	16.6	16.19	-74.79	3093	12293.	0.1	0	0	QUITOE	-136	-40	2
11	6	19	3	26.4	22.37	-118.65	2719	14441.	0.1	6	0	NELCAL	-120	19	3
11	6	19	5	20.2	20.40	-114.85	2845	13620.	0.3	6	6	NELCAL	-108	22	3
11	6	19	5	20.2	20.40	-114.85	2845	13620.	0.1	6	0	NELCAL	-107	22	3
11	6	19	6	4.9	19.61	-113.42	2892	13314.	0.5	6	0	NELCAL	-102	25	3
11	6	22	4	48.3	-28.93	-69.21	3086	9142.	0.2	0	5	LIMAPU	-116	-94	4
11	6	22	4	48.7	-28.94	-69.20	3085	9129.	0.1	5	5	AGASTA	-130	-108	4
11	6	22	4	48.9	-28.94	-69.19	3085	9128.	0.1	4	0	SNTAGO	-131	-109	4
11	6	22	5	6.6	-29.13	-68.56	3068	9182.	0.2	0	5	LIMAPU	-121	-98	4
11	6	22	5	6.7	-29.14	-68.55	3068	9181.	0.	0	0	SNTAGO	-123	-100	4
11	6	22	5	30.1	-29.39	-67.71	3046	9235.	0.1	0	0	AGASTA	-128	-104	4
11	6	22	6	4.8	-29.75	-66.43	3012	9325.	0.1	0	5	LIMAPU	-128	-103	4
11	6	22	6	5.0	-29.75	-66.43	3011	9317.	0.2	2	5	AGASTA	-137	-112	4
11	6	22	6	5.1	-29.75	-66.42	3011	9326.	0.1	0	0	SNTAGO	-128	-103	4
11	7	0	26	45.7	-33.47	-71.97	2290	12352.	0.1	0	0	SNTAGO	-151	-125	1
11	7	0	26	56.0	-33.47	-71.48	2276	12368.	0.1	8	0	SNTAGO	-162	-134	1
11	7	0	27	14.8	-33.46	-70.57	2252	12425.	0.	8	0	SNTAGO	-154	-123	1
11	7	0	27	40.6	-33.44	-69.31	2219	12484.	0.1	0	0	SNTAGO	-163	-127	1
11	7	2	47	9.6	-28.58	-72.83	1484	15495.	0.4	6	5	SNTAGO	-224	-162	1
11	7	2	47	10.0	-28.57	-72.81	1483	15495.	0.1	0	0	AGASTA	-225	-162	1
11	7	2	47	22.6	-28.36	-72.14	1467	15516.	0.1	0	0	SNTAGO	-219	-150	1
11	7	2	47	22.7	-28.36	-72.13	1467	15513.	0.4	0	5	AGASTA	-223	-153	1
11	7	2	48	2.1	-27.67	-70.04	1416	15542.	0.1	0	0	SNTAGO	-246	-156	1
11	7	2	48	3.9	-27.64	-69.94	1414	15541.	0.4	1	5	AGASTA	-249	-159	1
11	7	5	5	13.5	-17.26	-80.33	924	19035.	0.5	2	0	LIMAPU	-215	-145	4
11	7	5	5	41.7	-16.41	-78.86	896	19159.	0.1	0	0	LIMAPU	-226	-139	4
11	7	5	6	32.9	-14.81	-76.20	846	19435.	0.1	8	0	LIMAPU	-250	-135	4
11	7	5	6	44.0	-14.45	-75.63	836	19497.	0.1	8	0	LIMAPU	-264	-143	4
11	7	7	31	43.4	17.80	-60.39	555	32449.	0.1	0	6	ANTGUA	-427	-120	3
11	7	7	31	43.5	17.80	-60.39	555	32449.	0.1	0	0	ANTGUA	-427	-121	3
11	7	8	59	17.8	-31.58	136.88	2866	17879.	0.1	0	0	WOMERA	-137	235	3
11	7	8	59	28.3	-31.66	137.30	2854	17954.	0.1	0	0	WOMERA	-139	232	3
11	7	9	0	39.9	-32.17	140.21	2776	18491.	0.1	0	0	WOMERA	-142	229	1
11	7	11	20	35.6	-32.88	134.85	2057	24240.	0.4	0	0	WOMERA	-196	322	1
11	7	11	21	22.2	-32.61	137.20	1996	24919.	0.6	0	7	WOMERA	16	529	1
11	7	11	21	40.4	-32.49	138.13	1972	24996.	1.0	0	7	WOMERA	-87	425	1
11	7	11	22	3.4	-32.32	139.30	1941	24972.	0.3	0	7	WOMERA	-333	176	1
11	7	12	4	17.7	33.04	-78.89	1165	31281.	0.4	0	0	BPOINT	-143	69	1
11	7	12	4	33.7	33.13	-77.87	1184	31018.	0.2	0	0	BPOINT	-143	66	1
11	7	12	4	49.3	33.21	-76.87	1203	30749.	0.1	6	0	BPOINT	-149	57	1
11	7	12	5	3.6	33.27	-75.96	1220	30507.	0.4	0	0	BPOINT	-145	59	1
11	7	13	41	32.1	-23.50	135.98	1217	30480.	0.1	8	0	WOMERA	-303	367	1
11	7	13	41	53.7	-22.99	137.11	1191	30578.	0.1	0	0	WOMERA	-297	364	1
11	7	13	42	8.6	-22.62	137.88	1174	30635.	0.1	0	0	WOMERA	-295	360	1
11	7	13	42	33.8	-21.99	139.20	1144	30724.	0.1	0	0	WOMERA	-284	359	1
11	7	14	12	17.4	32.03	-119.75	1017	30828.	0.1	0	0	NELCAL	-326	65	1
11	7	14	12	31.6	32.18	-118.83	1033	30782.	0.1	0	0	NELCAL	-323	65	1
11	7	14	12	58.1	32.43	-117.10	1062	30687.	0.1	0	0	NELCAL	-307	75	1
11	7	14	13	14.0	32.57	-116.07	1080	30603.	0.1	0	0	NELCAL	-313	64	1
11	7	14	24	11.1	30.70	-77.62	1913	22546.	0.1	0	0	BPOINT	-139	26	1
11	7	14	24	20.6	30.58	-77.15	1925	22411.	0.2	0	0	BPOINT	-127	36	1
11	7	14	24	44.6	30.30	-75.97	1957	22028.	0.2	0	0	BPOINT	-143	17	1
11	7	14	30	3.5	25.69	-61.92	2368	17392.	0.1	8	0	ANTGUA	-169	-51	1
11	7	14	30	14.0	25.51	-61.50	2381	17261.	0.2	0	0	ANTGUA	-159	-44	1
11	7	14	30	22.8	25.37	-61.16	2392	17139.	0.2	0	0	ANTGUA	-166	-52	1
11	7	16	31	50.6	32.14	-117.84	1714	23506.	0.1	0	0	NELCAL	-195	60	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	7	16	32	19.9	31.88	-116.27	1752	23197.	0.1	0	0	NELCAL	-190	59	2
11	7	16	32	48.6	31.60	-114.76	1790	22887.	0.1	0	0	NELCAL	-187	55	2
11	7	16	33	14.3	31.34	-113.43	1824	22606.	0.2	0	0	NELCAL	-183	52	2
11	7	16	48	22.9	16.83	-77.48	2930	13135.	0.2	6	6	QUITOE	-131	-28	2
11	7	16	48	23.1	16.83	-77.47	2930	13131.	0.1	0	0	QUITOE	-133	-30	2
11	7	16	48	23.2	16.83	-77.47	2930	13131.	0.2	0	5	BPOINT	-132	-30	2
11	7	16	48	38.4	16.54	-77.01	2946	13007.	0.3	7	6	BPOINT	-130	-29	2
11	7	16	48	38.5	16.54	-77.00	2946	13010.	0.3	0	6	BPOINT	-126	-25	2
11	7	16	48	38.7	16.54	-77.00	2946	13011.	0.1	0	0	BPOINT	-123	-22	2
11	7	16	48	44.2	16.44	-76.83	2952	12953.	0.2	6	6	QUITOE	-136	-36	2
11	7	16	48	44.5	16.43	-76.82	2952	12950.	0.1	0	0	QUITOE	-137	-37	2
11	7	16	48	44.6	16.43	-76.82	2952	12951.	0.1	0	5	BPOINT	-136	-35	2
11	7	18	54	27.9	21.12	-117.88	2662	14521.	0.1	0	0	NELCAL	-105	33	4
11	7	18	54	46.4	20.79	-117.25	2683	14365.	0.1	0	0	NELCAL	-114	23	4
11	7	18	55	3.8	20.47	-116.66	2703	14235.	0.4	0	0	NELCAL	-108	27	4
11	7	18	55	22.7	20.13	-116.03	2724	14088.	0.1	0	0	NELCAL	-108	26	4
11	7	19	19	2.6	-6.02	-79.14	3717	7598.	0.1	6	0	LIMAPU	-119	-71	4
11	7	19	19	2.6	-6.02	-79.13	3717	7599.	0.1	0	6	LIMAPU	-118	-70	4
11	7	19	22	2.8	-9.15	-74.98	3743	7310.	0.2	0	0	LIMAPU	-130	-88	4
11	7	21	54	58.1	-29.28	-69.72	3179	8942.	0.1	8	0	SNTAGO	-106	-85	2
11	7	21	55	9.4	-29.39	-69.32	3169	8963.	0.1	8	0	SNTAGO	-110	-89	2
11	7	21	55	20.8	-29.51	-68.92	3159	8992.	0.	0	0	SNTAGO	-107	-86	2
11	7	21	55	35.3	-29.66	-68.40	3146	9021.	0.1	0	0	SNTAGO	-111	-90	2
11	8	0	18	1.8	-33.41	-70.07	2334	12078.	0.1	0	0	SNTAGO	-146	-116	1
11	8	0	18	12.3	-33.39	-69.57	2321	12108.	0.1	0	0	SNTAGO	-141	-109	1
11	8	0	18	21.7	-33.38	-69.12	2309	12131.	0.	0	0	SNTAGO	-141	-107	1
11	8	0	18	22.1	-33.38	-69.10	2308	12128.	0.3	0	5	AGASTA	-144	-111	1
11	8	2	38	3.1	-28.00	-72.85	1558	15043.	0.1	0	0	SNTAGO	-206	-146	1
11	8	2	38	3.2	-28.00	-72.85	1558	15043.	0.1	0	5	AGASTA	-206	-146	1
11	8	2	38	25.0	-27.62	-71.73	1530	15070.	0.1	0	5	AGASTA	-211	-141	1
11	8	2	38	25.3	-27.62	-71.71	1529	15069.	0.1	0	0	SNTAGO	-212	-142	1
11	8	2	38	58.2	-27.02	-70.01	1487	15108.	0.1	0	0	SNTAGO	-227	-141	1
11	8	4	56	33.9	-15.81	-79.72	955	18774.	0.2	0	0	LIMAPU	-236	-157	4
11	8	4	56	44.4	-15.49	-79.18	944	18844.	0.4	0	0	LIMAPU	-229	-145	4
11	8	4	57	23.0	-14.29	-77.23	905	19074.	0.1	0	0	LIMAPU	-256	-152	4
11	8	4	57	37.1	-13.84	-76.51	891	19172.	0.1	0	0	LIMAPU	-262	-152	4
11	8	7	22	36.0	18.20	-61.57	536	33095.	0.2	8	0	ANTGUA	-419	-95	3
11	8	7	22	45.3	18.50	-61.02	538	33116.	0.1	8	0	ANTGUA	-422	-98	3
11	8	7	22	53.8	18.78	-60.52	541	33130.	0.1	7	0	ANTGUA	-424	-101	3
11	8	7	23	4.2	19.12	-59.90	544	33142.	0.3	1	0	ANTGUA	-425	-104	3
11	8	11	11	37.5	-32.55	135.89	2122	23570.	0.2	0	0	WOMERA	-188	310	3
11	8	11	55	17.4	33.21	-78.67	1105	32127.	0.1	6	0	BPOINT	-153	62	3
11	8	11	55	27.4	33.26	-78.02	1117	31952.	0.5	0	6	BPOINT	-159	54	3
11	8	11	55	28.0	33.26	-77.97	1117	31949.	0.1	6	0	BPOINT	-152	62	3
11	8	11	55	42.6	33.32	-77.02	1134	31693.	0.2	6	0	BPOINT	-154	57	3
11	8	11	55	52.7	33.35	-76.36	1146	31522.	0.2	6	0	BPOINT	-146	63	3
11	8	11	55	42.7	33.32	-77.01	1134	31692.	0.3	0	6	BPOINT	-153	58	3
11	8	11	55	52.6	33.35	-76.37	1146	31525.	0.4	0	6	BPOINT	-145	64	3
11	8	13	32	21.0	-22.95	135.36	1293	29355.	0.1	8	0	WOMERA	-283	366	3
11	8	13	32	32.9	-22.66	135.96	1278	29409.	0.1	0	0	WOMERA	-284	361	3
11	8	13	33	6.1	-21.85	137.64	1237	29545.	0.1	0	0	WOMERA	-277	355	3
11	8	13	33	22.4	-21.44	138.47	1217	29602.	0.1	8	0	WOMERA	-272	352	3
11	8	14	3	33.2	32.48	-118.64	979	31610.	0.1	0	0	NELCAL	-345	62	3
11	8	14	4	13.7	32.81	-115.94	1023	31440.	0.1	0	0	NELCAL	-336	58	3
11	8	14	4	41.2	33.00	-114.12	1053	31292.	0.1	8	0	NELCAL	-325	56	3
11	8	14	5	12.1	33.17	-112.08	1088	31096.	0.1	0	0	NELCAL	-310	52	3
11	8	14	15	14.0	30.05	-76.78	1849	22922.	0.8	6	0	BPOINT	-146	20	3
11	8	16	23	17.4	31.45	-115.76	1681	23756.	0.2	7	0	NELCAL	-196	60	2
11	8	16	23	35.9	31.25	-114.77	1706	23547.	0.1	7	0	NELCAL	-189	62	2
11	8	16	23	54.0	31.04	-113.81	1729	23338.	0.2	6	0	NELCAL	-187	59	2
11	8	16	24	33.8	30.57	-111.75	1782	22871.	0.1	6	0	NELCAL	-181	54	2
11	8	16	38	6.6	16.86	-79.18	2794	13783.	0.1	2	0	QUITOE	-121	-14	2
11	8	16	38	44.7	16.13	-78.00	2836	13434.	0.2	2	0	QUITOE	-128	-24	2
11	8	16	39	9.9	15.64	-77.22	2863	13207.	0.2	2	0	QUITOE	-132	-30	2
11	8	16	39	58.9	14.70	-75.76	2914	12792.	0.4	0	0	QUITOE	-129	-31	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	8	21	45	51.7	-30.05	-68.60	3229	8837.	0.1	0	0	AGASTA	-112	-92	1
11	8	21	46	1.9	-30.15	-68.24	3221	8859.	0.1	0	0	AGASTA	-111	-91	1
11	9	0	9	12.4	-33.24	-68.40	2385	11790.	0.2	0	0	SNTAGO	-140	-107	1
11	9	0	9	22.5	-33.21	-67.93	2372	11809.	0.1	0	0	SNTAGO	-144	-110	1
11	9	0	9	23.4	-33.21	-67.89	2371	11812.	0.3	0	5	AGASTA	-144	-109	1
11	9	0	9	41.4	-33.14	-67.04	2349	11853.	0.2	0	5	SNTAGO	-143	-106	1
11	9	0	9	41.8	-33.14	-67.02	2348	11849.	0.1	0	0	AGASTA	-148	-111	1
11	9	2	29	19.3	-26.97	-71.69	1604	14617.	0.2	0	5	SNTAGO	-207	-139	1
11	9	2	29	19.8	-26.96	-71.67	1603	14615.	0.1	0	0	AGASTA	-210	-142	1
11	9	2	30	20.6	-25.81	-68.64	1523	14714.	0.1	1	0	AGASTA	-230	-137	1
11	9	4	48	23.1	-13.41	-77.69	956	18809.	0.2	0	0	LIMAPU	-224	-126	2
11	9	4	48	43.8	-12.75	-76.67	935	18970.	0.2	8	0	LIMAPU	-238	-131	2
11	9	4	49	10.2	-11.91	-75.36	908	19203.	0.2	8	0	LIMAPU	-244	-129	2
11	9	4	49	28.9	-11.30	-74.43	889	19371.	0.1	0	0	LIMAPU	-258	-137	2
11	9	7	13	44.0	19.09	-61.84	525	33719.	0.2	8	0	ANTGUA	-411	-70	0
11	9	7	14	3.4	19.72	-60.67	529	33768.	0.2	8	0	ANTGUA	-415	-78	0
11	9	8	39	18.6	-31.84	135.00	3090	16640.	0.1	0	0	WOMERA	-127	224	0
11	9	8	39	48.4	-32.04	136.14	3061	16817.	0.1	0	0	WOMERA	-131	220	0
11	9	8	40	23.1	-32.26	137.48	3027	17034.	0.1	0	0	WOMERA	-127	223	0
11	9	8	40	53.4	-32.44	138.67	2997	17216.	0.1	0	0	WOMERA	-132	217	0
11	9	11	2	27.8	-32.22	136.41	2200	22800.	0.1	0	0	WOMERA	-188	291	1
11	9	11	2	47.2	-32.07	137.33	2175	22960.	0.1	0	0	WOMERA	-193	285	1
11	9	11	3	53.1	-31.50	140.50	2089	23498.	0.1	0	0	WOMERA	-200	272	1
11	9	11	46	17.8	33.34	-78.44	1048	32967.	0.1	0	0	BPOINT	-151	68	1
11	9	11	46	32.1	33.39	-77.48	1064	32709.	0.6	0	0	BPOINT	-155	61	1
11	9	11	46	47.6	33.43	-76.46	1081	32432.	0.5	0	0	BPOINT	-152	61	1
11	9	11	47	2.4	33.45	-75.48	1098	32156.	0.2	0	0	BPOINT	-151	59	1
11	9	13	23	37.1	-21.69	136.14	1336	28354.	0.1	0	0	WOMERA	-269	349	2
11	9	13	23	52.7	-21.31	136.91	1316	28425.	0.1	0	0	WOMERA	-259	353	2
11	9	13	24	11.7	-20.83	137.84	1292	28493.	0.1	8	0	WOMERA	-256	348	2
11	9	13	24	27.4	-20.44	138.61	1273	28538.	0.1	0	0	WOMERA	-258	340	2
11	9	13	55	30.4	33.11	-114.71	985	32191.	0.2	0	0	NELCAL	-334	69	2
11	9	13	55	30.5	33.11	-114.70	986	32190.	0.3	0	6	NELCAL	-335	69	2
11	9	13	56	2.3	33.27	-112.56	1020	31993.	0.1	0	6	NELCAL	-325	58	2
11	9	13	56	2.3	33.27	-112.56	1020	31993.	0.1	0	0	NELCAL	-325	59	2
11	9	13	56	50.5	33.43	-109.33	1073	31638.	0.1	0	0	NELCAL	-292	56	2
11	9	14	5	34.6	29.95	-78.15	1729	24031.	0.3	8	0	BPOINT	-143	30	2
11	9	14	5	50.0	29.73	-77.37	1749	23773.	0.2	0	0	BPOINT	-136	35	2
11	9	14	6	4.1	29.54	-76.66	1768	23522.	0.2	0	0	BPOINT	-144	25	2
11	9	14	6	19.2	29.32	-75.90	1788	23260.	0.3	0	0	BPOINT	-147	20	2
11	9	14	11	24.0	24.32	-62.17	2188	18266.	0.4	0	0	ANTGUA	-179	-54	2
11	9	14	11	33.2	24.16	-61.79	2199	18129.	0.2	0	0	ANTGUA	-178	-55	2
11	9	14	11	43.2	23.98	-61.39	2212	17984.	0.1	0	0	ANTGUA	-175	-54	2
11	9	16	14	4.6	31.10	-115.87	1597	24422.	0.1	0	0	NELCAL	-216	50	3
11	9	16	14	19.4	30.93	-115.07	1616	24246.	0.1	0	0	NELCAL	-213	49	3
11	9	16	14	41.4	30.66	-113.89	1645	23978.	0.1	0	0	NELCAL	-209	46	3
11	9	16	14	52.2	30.52	-113.32	1660	23856.	0.1	0	0	NELCAL	-197	55	3
11	9	16	28	50.2	15.77	-79.10	2719	13949.	0.1	0	0	QUITOE	-98	9	3
11	9	16	29	45.2	14.68	-77.39	2781	13406.	0.2	0	0	QUITOE	-124	-22	3
11	9	18	37	51.7	16.91	-113.82	2640	13957.	0.1	0	0	NELCAL	-92	38	4
11	9	18	38	10.1	16.54	-113.23	2662	13811.	0.1	0	0	NELCAL	-86	42	4
11	9	18	38	24.6	16.26	-112.76	2678	13691.	0.1	4	0	NELCAL	-89	38	4
11	9	18	38	40.0	15.95	-112.27	2696	13571.	0.3	0	0	NELCAL	-84	41	4
11	9	19	0	12.9	-8.61	-78.83	3678	7607.	0.2	7	0	LIMAPU	-53	-10	4
11	9	21	34	8.4	-29.31	-72.82	3397	8474.	0.2	0	0	SNTAGO	-104	-89	3
11	9	21	34	34.5	-29.57	-71.95	3378	8512.	0.	0	0	SNTAGO	-109	-93	3
11	9	21	35	50.0	-30.28	-69.36	3321	8640.	0.1	0	0	SNTAGO	-111	-94	3
11	10	0	0	11.5	-33.01	-67.25	2449	11465.	0.1	0	6	SNTAGO	-151	-118	3
11	10	0	0	11.7	-33.01	-67.24	2449	11463.	0.1	0	0	SNTAGO	-153	-120	3
11	10	0	0	27.5	-32.94	-66.51	2430	11491.	0.	0	0	SNTAGO	-158	-123	3
11	10	0	3	26.6	-31.76	-58.18	2203	11899.	0.6	0	6	AGASTA	-158	-109	3
11	10	0	3	26.7	-31.76	-58.17	2202	11898.	0.3	0	0	AGASTA	-159	-110	3
11	10	2	18	47.5	-27.78	-75.77	1792	14047.	0.4	0	0	SNTAGO	-178	-144	3

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TIME				POSITION			MEASURED		REMARKS			MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
11	10	2	19	2.8	-27.52	-75.04	1772	14064.	0.3	0	0	SNTAGO	-185	-145	3
11	10	2	19	17.7	-27.27	-74.32	1752	14093.	0.3	0	0	SNTAGO	-181	-136	3
11	10	2	19	33.7	-26.99	-73.54	1731	14106.	0.2	0	0	SNTAGO	-196	-144	3
11	10	2	20	28.9	-25.99	-70.89	1658	14167.	0.3	2	7	SNTAGO	-241	-170	3
11	10	2	20	48.0	-25.62	-69.96	1632	14239.	0.1	0	5	SNTAGO	-210	-132	3
11	10	2	20	48.0	-25.62	-69.96	1632	14238.	0.1	0	0	AGASTA	-211	-133	3
11	10	2	20	55.2	-25.48	-69.62	1623	14254.	0.1	0	5	AGASTA	-211	-131	3
11	10	2	20	55.3	-25.48	-69.61	1623	14254.	0.1	0	0	SNTAGO	-212	-131	3
11	10	7	4	53.8	20.03	-61.97	518	34285.	0.2	7	0	ANTGUA	-411	-57	2
11	10	7	5	4.1	20.35	-61.34	519	34317.	0.2	7	0	ANTGUA	-415	-63	2
11	10	7	5	13.7	20.66	-60.75	521	34340.	0.2	7	0	ANTGUA	-417	-69	2
11	10	8	30	48.5	-32.52	137.63	3110	16608.	0.1	0	0	WOMERA	-128	212	2
11	10	8	31	8.1	-32.62	138.38	3091	16727.	0.5	0	0	WOMERA	-119	221	2
11	10	10	52	48.1	-32.07	135.58	2316	21832.	0.1	0	0	WOMERA	-177	285	2
11	10	10	53	8.1	-31.92	136.50	2291	21986.	0.1	0	0	WOMERA	-179	282	2
11	10	10	53	28.9	-31.74	137.47	2264	22141.	0.1	0	0	WOMERA	-186	274	2
11	10	13	45	56.7	33.08	-116.94	899	33135.	0.1	0	0	NELCAL	-373	65	3
11	10	13	46	17.8	33.20	-115.48	920	33048.	0.1	0	0	NELCAL	-362	66	3
11	10	13	46	39.5	33.30	-113.99	942	32938.	0.1	0	0	NELCAL	-350	65	3
11	10	13	47	20.1	33.43	-111.21	984	32671.	0.1	0	0	NELCAL	-332	52	3
11	10	13	56	38.0	29.25	-77.44	1666	24420.	1.2	0	0	BPOINT	-156	18	3
11	10	13	56	48.6	29.09	-76.90	1680	24227.	0.8	0	0	BPOINT	-156	17	3
11	10	14	2	14.2	23.46	-62.01	2109	18602.	0.4	0	0	ANTGUA	-173	-46	3
11	10	14	2	22.8	23.30	-61.65	2120	18458.	0.2	0	0	ANTGUA	-180	-54	3
11	10	14	2	43.5	22.90	-60.82	2147	18142.	0.1	0	0	ANTGUA	-173	-51	3
11	10	16	4	39.6	30.90	-116.74	1498	25255.	0.1	0	0	NELCAL	-233	47	1
11	10	16	4	54.1	30.72	-115.94	1517	25076.	0.1	0	0	NELCAL	-229	47	1
11	10	16	5	9.1	30.52	-115.12	1536	24888.	0.1	0	0	NELCAL	-226	45	1
11	10	16	5	27.5	30.28	-114.12	1560	24665.	0.1	0	0	NELCAL	-211	53	1
11	10	16	20	31.9	13.50	-77.26	2709	13494.	0.1	0	0	QUITOE	-137	-35	1
11	10	18	27	35.2	17.09	-115.83	2489	14674.	0.1	6	0	NELCAL	-89	46	2
11	10	18	27	35.7	17.08	-115.81	2489	14676.	0.1	6	6	NELCAL	-84	52	2
11	10	18	27	46.4	16.86	-115.45	2502	14578.	0.2	6	6	NELCAL	-84	50	2
11	10	18	27	46.5	16.86	-115.44	2502	14574.	0.1	6	0	NELCAL	-88	47	2
11	10	18	27	57.2	16.64	-115.08	2515	14477.	1.0	6	0	NELCAL	-87	46	2
11	10	18	28	20.3	16.17	-114.31	2543	14281.	1.2	6	0	NELCAL	-78	53	2
11	10	18	53	4.8	-12.22	-75.39	3697	7444.	0.3	2	7	AGASTA	6	42	2
11	10	21	24	54.3	-30.04	-71.85	3442	8399.	0.2	0	0	SNTAGO	-99	-85	3
11	10	21	25	18.6	-30.26	-71.03	3425	8428.	0.2	0	0	SNTAGO	-106	-91	3
11	10	21	26	5.7	-30.66	-69.42	3393	8499.	0.1	0	0	AGASTA	-108	-91	3
11	10	23	47	19.6	-33.43	-76.15	2782	10775.	0.	0	0	AGASTA	-119	-109	3
11	10	23	49	1.6	-33.23	-71.76	2666	10935.	0.1	0	0	SNTAGO	-135	-115	3
11	11	2	8	49.1	-27.92	-77.97	1937	13529.	0.1	0	0	SNTAGO	-160	-140	2
11	11	2	8	49.5	-27.91	-77.95	1937	13526.	0.2	0	5	LIMAPU	-164	-144	2
11	11	2	9	3.3	-27.69	-77.31	1918	13551.	0.1	0	5	LIMAPU	-161	-137	2
11	11	2	9	3.5	-27.69	-77.30	1918	13548.	0.2	0	5	AGASTA	-164	-140	2
11	11	2	9	3.8	-27.68	-77.29	1918	13548.	0.1	0	0	SNTAGO	-164	-140	2
11	11	2	9	51.7	-26.89	-75.06	1854	13617.	0.1	0	5	SNTAGO	-175	-136	2
11	11	2	9	51.7	-26.89	-75.06	1854	13614.	0.2	2	5	AGASTA	-178	-139	2
11	11	2	9	51.8	-26.89	-75.06	1854	13615.	0.1	7	0	LIMAPU	-177	-138	2
11	11	2	10	18.2	-26.43	-73.83	1819	13662.	0.2	0	6	SNTAGO	-178	-131	2
11	11	2	10	18.2	-26.43	-73.83	1819	13664.	0.3	0	5	AGASTA	-176	-128	2
11	11	2	10	18.2	-26.43	-73.82	1819	13659.	0.1	0	0	SNTAGO	-181	-134	2
11	11	2	10	25.4	-26.30	-73.49	1809	13674.	0.2	0	0	SNTAGO	-180	-130	2
11	11	2	11	38.6	-24.93	-70.08	1712	13815.	0.3	0	5	LIMAPU	-197	-123	2
11	11	2	11	38.9	-24.92	-70.07	1711	13812.	0.1	0	5	AGASTA	-201	-127	2
11	11	2	11	39.0	-24.92	-70.06	1711	13816.	0.1	0	0	SNTAGO	-197	-123	2
11	11	4	30	49.4	-10.73	-77.29	1036	18480.	0.6	0	0	LIMAPU	-223	-125	2
11	11	4	31	3.1	-10.29	-76.64	1021	18618.	0.4	2	0	QUITOE	-231	-128	2
11	11	6	56	3.3	20.94	-62.10	513	34804.	0.1	0	0	ANTGUA	-398	-34	1
11	11	6	56	14.3	21.28	-61.41	514	34815.	2.5	5	7	ANTGUA	-430	-70	1
11	11	6	56	24.9	21.60	-60.75	515	34870.	0.1	0	0	ANTGUA	-405	-51	1
11	11	8	20	20.6	-32.50	135.84	3233	15965.	0.1	0	0	WOMERA	-117	214	1
11	11	8	20	57.0	-32.68	137.21	3202	16141.	0.	0	0	WOMERA	-121	210	1
11	11	10	43	23.0	-31.78	135.53	2411	21030.	0.1	0	0	WOMERA	-170	276	2

		TIME			POSITION			MEASURED				REMARKS		MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
11	11	10	43	43.8	-31.61	136.46	2386	21172.	0.1	0	0	WOMERA		-176	268	2
11	11	10	44	3.2	-31.44	137.34	2361	21307.	0.1	0	0	WOMERA		-179	264	2
11	11	10	44	23.6	-31.25	138.25	2335	21453.	0.1	0	0	WOMERA		-176	267	2
11	11	11	28	18.0	33.48	-78.14	940	34598.	0.4	0	6	BPOINT		-155	70	2
11	11	11	28	18.2	33.48	-78.13	940	34597.	0.4	0	0	BPOINT		-153	72	2
11	11	11	28	33.0	33.49	-77.11	955	34318.	0.	0	0	BPOINT		-154	68	2
11	11	11	28	33.2	33.49	-77.09	955	34318.	0.5	0	6	BPOINT		-150	72	2
11	11	13	5	48.1	-19.53	136.66	1450	26289.	0.1	0	0	WOMERA		-242	322	1
11	11	13	6	2.6	-19.17	137.33	1431	26340.	0.1	0	0	WOMERA		-237	322	1
11	11	13	36	18.1	33.01	-119.66	815	33995.	0.2	0	0	NELCAL		-404	66	1
11	11	13	36	35.7	33.12	-118.42	830	33965.	0.2	0	0	NELCAL		-393	73	1
11	11	13	36	49.2	33.19	-117.46	843	33926.	0.1	0	0	NELCAL		-389	73	1
11	11	13	37	4.1	33.26	-116.41	857	33877.	0.2	0	0	NELCAL		-381	74	1
11	11	13	53	3.9	22.60	-61.93	2029	18943.	0.3	0	0	ANTGUA		-183	-53	1
11	11	13	53	12.6	22.42	-61.58	2040	18788.	0.3	0	0	ANTGUA		-193	-65	1
11	11	15	54	18.9	31.41	-120.96	1331	26796.	0.3	0	0	NELCAL		-254	57	1
11	11	15	55	1.3	30.88	-118.49	1384	26276.	0.1	0	0	NELCAL		-248	52	1
11	11	15	55	31.4	30.49	-116.78	1422	25897.	0.4	0	0	NELCAL		-240	49	1
11	11	16	11	1.4	12.68	-77.72	2615	13777.	0.2	0	0	QUITOE		-140	-37	1
11	11	16	11	50.2	11.65	-76.20	2671	13296.	0.2	0	0	QUITOE		-134	-35	1
11	11	18	17	8.8	17.57	-118.35	2318	15569.	0.1	6	0	NELCAL		-100	43	1
11	11	18	17	38.4	16.95	-117.30	2356	15297.	0.3	2	7	NELCAL		-78	63	1
11	11	18	18	12.3	16.24	-116.13	2398	14999.	0.1	2	7	NELCAL		-47	90	1
11	11	18	18	37.5	15.70	-115.27	2429	14716.	0.1	7	0	NELCAL		-90	44	1
11	11	23	38	3.3	-33.34	-75.39	2855	10495.	0.1	0	0	SNTAGO		-113	-102	2
11	11	23	40	10.6	-32.94	-70.01	2714	10665.	0.1	0	0	SNTAGO		-138	-115	2
11	12	2	0	23.7	-26.50	-75.80	1958	13154.	0.2	0	5	LIMAPU		-163	-130	2
11	12	2	0	23.7	-26.50	-75.80	1958	13156.	0.2	0	5	SNTAGO		-161	-128	2
11	12	2	0	23.8	-26.50	-75.79	1958	13157.	0.1	0	0	AGASTA		-161	-128	2
11	12	2	2	39.9	-23.97	-69.67	1777	13419.	0.3	0	0	SNTAGO		-198	-125	2
11	12	2	2	56.7	-23.63	-68.91	1754	13461.	0.2	2	5	LIMAPU		-202	-125	2
11	12	2	2	56.8	-23.63	-68.91	1754	13457.	0.2	0	0	SNTAGO		-207	-129	2
11	12	2	3	17.4	-23.20	-67.98	1727	13520.	0.8	0	5	SNTAGO		-204	-121	2
11	12	2	3	17.6	-23.20	-67.97	1727	13516.	0.1	0	6	SNTAGO		-208	-126	2
11	12	2	3	17.8	-23.19	-67.96	1726	13522.	0.2	4	5	AGASTA		-203	-121	2
11	12	2	3	17.8	-23.19	-67.96	1726	13525.	0.1	0	6	LIMAPU		-200	-117	2
11	12	2	3	18.0	-23.19	-67.95	1726	13523.	0.	0	0	LIMAPU		-203	-120	2
11	12	2	4	30.0	-21.62	-64.70	1631	13757.	0.2	0	0	SNTAGO		-211	-113	2
11	12	4	23	13.3	-7.06	-73.77	999	19208.	0.3	0	0	LIMAPU		-257	-143	2
11	12	11	10	9.6	26.53	-116.97	534	35833.	0.3	0	0	NELCAL		-409	-5	1
11	12	11	10	39.0	27.25	-114.98	542	36308.	0.1	0	0	NELCAL		-417	7	1
11	12	11	11	20.2	28.19	-112.16	556	36901.	0.2	0	0	NELCAL		-420	10	1
11	12	11	11	31.9	28.45	-111.35	561	37054.	0.4	0	0	NELCAL		-417	11	1
11	12	11	19	13.0	33.49	-78.42	884	35479.	0.3	0	6	BPOINT		-150	79	1
11	12	11	19	13.1	33.49	-78.41	884	35478.	0.2	0	0	BPOINT		-149	80	1
11	12	11	19	23.4	33.49	-77.69	894	35277.	0.2	0	0	BPOINT		-158	69	1
11	12	11	19	33.1	33.48	-77.01	904	35078.	1.4	5	6	BPOINT		-170	55	1
11	12	11	19	33.9	33.48	-76.96	905	35077.	0.4	5	0	BPOINT		-156	69	1
11	12	11	19	43.5	33.47	-76.29	914	34896.	0.2	0	0	BPOINT		-150	73	1
11	12	11	19	43.7	33.47	-76.27	915	34891.	0.3	0	6	BPOINT		-150	73	1
11	12	12	56	28.1	-19.01	135.80	1541	25200.	0.1	0	0	WOMERA		-226	320	1
11	12	12	56	40.1	-18.71	136.33	1525	25259.	0.3	0	0	WOMERA		-207	336	1
11	12	12	57	3.6	-18.12	137.38	1495	25324.	0.1	0	0	WOMERA		-214	321	1
11	12	12	57	15.2	-17.83	137.90	1479	25346.	0.3	0	0	WOMERA		-223	307	1
11	12	13	27	3.3	33.07	-120.80	759	34716.	0.2	0	6	NELCAL		-417	73	1
11	12	13	27	3.4	33.08	-120.79	759	34716.	0.1	0	0	NELCAL		-417	73	1
11	12	13	27	58.8	33.35	-116.81	806	34620.	0.1	0	0	NELCAL		-398	78	1
11	12	13	28	11.6	33.39	-115.89	817	34580.	0.2	0	6	NELCAL		-388	81	1
11	12	13	28	11.7	33.39	-115.88	817	34580.	0.1	0	0	NELCAL		-388	81	1
11	12	13	28	54.0	33.48	-112.87	856	34373.	0.2	0	6	NELCAL		-368	68	1
11	12	13	28	54.0	33.48	-112.87	856	34372.	0.1	0	0	NELCAL		-369	68	1
11	12	13	38	20.0	28.17	-77.52	1509	25689.	0.3	0	0	BPOINT		-160	22	1
11	12	13	38	27.7	28.04	-77.12	1519	25531.	1.3	0	0	BPOINT		-163	18	1
11	12	13	38	38.7	27.85	-76.55	1534	25322.	1.1	0	0	BPOINT		-152	27	1
11	12	15	45	34.2	30.75	-119.73	1287	27166.	0.	0	6	NELCAL		-264	52	2
11	12	15	45	34.3	30.75	-119.73	1287	27165.	0.1	0	0	NELCAL		-263	53	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	12	15	46	3.5	30.35	-118.03	1323	26793.	0.1	0	0	NELCAL	-254	52	2
11	12	15	46	45.9	29.72	-115.61	1376	26230.	0.1	0	6	NELCAL	-238	52	2
11	12	15	46	46.0	29.72	-115.60	1377	26229.	0.1	0	0	NELCAL	-238	53	2
11	12	15	47	17.0	29.24	-113.89	1416	25799.	0.1	0	6	NELCAL	-232	46	2
11	12	15	47	17.1	29.24	-113.88	1416	25800.	0.1	0	0	NELCAL	-230	48	2
11	12	16	1	11.8	12.30	-78.86	2495	14301.	0.1	0	0	QUITOE	-138	-32	2
11	12	16	1	35.0	11.80	-78.11	2523	14062.	0.1	0	0	QUITOE	-125	-21	2
11	12	16	1	59.9	11.26	-77.33	2553	13788.	0.1	0	0	QUITOE	-135	-33	2
11	12	16	2	32.6	10.55	-76.30	2592	13446.	0.1	0	0	QUITOE	-138	-39	2
11	12	18	7	49.6	16.70	-118.62	2230	15862.	0.2	0	0	NELCAL	-104	41	3
11	12	18	8	22.9	15.98	-117.43	2272	15518.	0.2	0	0	NELCAL	-101	40	3
11	12	23	27	37.5	-33.36	-77.41	2996	10129.	0.2	2	0	AGASTA	-116	-110	2
11	12	23	27	51.5	-33.33	-76.84	2982	11103.	0.2	0	7	SNTAGO	841	849	2
11	12	23	27	51.7	-33.33	-76.83	2982	10145.	0.3	2	0	AGASTA	-117	-110	2
11	12	23	28	7.0	-33.30	-76.21	2966	10157.	0.2	2	0	AGASTA	-125	-116	2
11	12	23	28	8.1	-33.30	-76.17	2965	11071.	0.3	0	7	SNTAGO	789	798	2
11	12	23	32	33.0	-32.08	-65.17	2676	10878.	0.2	0	7	SNTAGO	224	254	2
11	13	1	50	46.7	-26.22	-76.83	2073	12693.	0.2	0	0	LIMAPU	-148	-120	2
11	13	1	51	1.6	-25.97	-76.18	2053	12725.	0.2	0	0	LIMAPU	-143	-111	2
11	13	1	53	8.2	-23.63	-70.68	1885	12979.	0.2	0	0	SNTAGO	-170	-106	2
11	13	1	53	36.0	-23.06	-69.47	1848	13045.	0.1	0	0	SNTAGO	-181	-110	2
11	13	6	38	23.5	22.74	-62.17	512	35665.	0.1	0	0	ANTGUA	-374	-5	2
11	13	6	38	33.6	23.03	-61.53	512	35704.	0.1	0	0	ANTGUA	-379	-17	2
11	13	6	38	44.0	23.34	-60.86	512	35738.	0.1	0	0	ANTGUA	-383	-28	2
11	13	6	38	53.5	23.61	-60.25	512	35758.	0.2	0	0	ANTGUA	-388	-42	2
11	13	11	1	2.9	26.86	-117.97	521	36056.	0.2	0	0	NELCAL	-421	-2	3
11	13	11	1	36.5	27.66	-115.67	528	36646.	0.3	0	0	NELCAL	-433	12	3
11	13	11	2	25.6	28.75	-112.25	541	37418.	0.2	0	0	NELCAL	-430	23	3
11	13	11	2	42.1	29.10	-111.09	546	37643.	0.1	0	0	NELCAL	-430	17	3
11	13	13	17	47.8	33.13	-122.04	707	35363.	0.1	0	0	NELCAL	-432	75	3
11	13	13	18	17.9	33.29	-119.83	730	35376.	0.3	0	0	NELCAL	-423	86	3
11	13	13	18	46.0	33.39	-117.78	752	35341.	0.1	0	0	NELCAL	-414	88	3
11	13	13	19	17.8	33.47	-115.47	779	35252.	0.1	0	0	NELCAL	-399	85	3
11	13	15	36	23.8	30.40	-120.07	1213	27850.	0.2	0	0	NELCAL	-266	60	3
11	13	15	37	5.5	29.78	-117.62	1263	27295.	0.1	0	0	NELCAL	-257	54	3
11	13	15	37	34.3	29.32	-115.97	1299	26897.	0.3	0	6	NELCAL	-248	52	3
11	13	15	37	34.4	29.31	-115.96	1299	26901.	0.4	0	0	NELCAL	-243	57	3
11	13	15	38	22.3	28.51	-113.29	1358	26218.	0.1	0	0	NELCAL	-224	56	3
11	13	17	58	42.3	15.58	-118.52	2155	16061.	0.2	0	0	NELCAL	-88	55	3
11	13	18	1	0.9	12.45	-113.67	2332	14635.	0.5	0	0	NELCAL	-68	59	3
11	13	23	17	46.4	-33.30	-77.87	3095	9859.	0.1	0	0	SNTAGO	-97	-91	4
11	13	23	18	1.7	-33.26	-77.27	3080	9869.	0.1	0	0	SNTAGO	-103	-96	4
11	13	23	21	12.2	-32.50	-69.63	2888	10066.	0.2	2	7	SNTAGO	-117	-96	4
11	13	23	21	23.8	-32.43	-69.17	2876	10056.	0.2	2	7	SNTAGO	-142	-120	4
11	13	23	21	37.9	-32.35	-68.59	2861	10087.	0.2	2	7	SNTAGO	-128	-106	4
11	14	1	44	57.1	-21.58	-68.20	1887	12738.	0.1	0	0	LIMAPU	-196	-123	4
11	14	1	44	57.5	-21.57	-68.18	1886	12741.	0.3	0	5	SNTAGO	-194	-121	4
11	14	1	45	18.9	-21.11	-67.28	1858	12813.	0.1	0	0	SNTAGO	-196	-119	4
11	14	1	45	19.0	-21.11	-67.27	1857	12811.	0.1	0	5	LIMAPU	-199	-122	4
11	14	1	45	55.7	-20.30	-65.72	1808	12937.	0.1	0	0	SNTAGO	-210	-127	4
11	14	6	29	33.2	23.60	-62.18	516	35995.	0.2	0	0	ANTGUA	-366	-3	4
11	14	6	29	43.9	23.90	-61.49	515	36048.	0.2	0	0	ANTGUA	-364	-8	4
11	14	10	15	41.8	-30.30	137.21	2643	19047.	0.3	0	0	WOMERA	-157	241	5
11	14	10	15	54.5	-30.17	137.72	2628	19123.	0.3	0	0	WOMERA	-146	252	5
11	14	10	52	32.0	28.02	-116.48	518	36864.	0.4	0	0	NELCAL	-450	13	5
11	14	10	53	44.1	29.54	-111.40	533	38054.	0.	0	0	NELCAL	-447	23	5
11	14	10	53	57.9	29.81	-110.42	536	38246.	0.1	0	0	NELCAL	-444	17	5
11	14	12	38	52.4	-16.24	137.00	1640	23300.	0.2	0	0	WOMERA	-196	296	5
11	14	12	39	16.8	-15.61	138.03	1608	23361.	0.2	0	0	WOMERA	-196	288	5
11	14	12	39	27.4	-15.34	138.48	1594	23395.	0.2	0	0	WOMERA	-187	294	5
11	14	13	9	14.4	33.37	-120.21	690	35983.	0.2	0	0	NELCAL	-442	85	5
11	14	13	10	1.7	33.48	-116.71	725	35937.	0.1	0	0	NELCAL	-428	85	5
11	14	13	10	16.0	33.49	-115.66	736	35900.	0.1	0	0	NELCAL	-421	84	5
11	14	13	10	51.9	33.48	-113.03	765	35757.	0.3	0	0	NELCAL	-398	74	5

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	14	13	21	3.5	25.84	-74.68	1435	25658.	0.7	5	0	BPOINT	-176	7	5
11	14	13	21	3.8	25.84	-74.66	1436	25659.	0.2	0	6	BPOINT	-168	14	5
11	14	13	21	15.2	25.61	-74.08	1450	25389.	0.2	0	7	BPOINT	-193	-11	5
11	14	15	27	7.1	30.15	-120.88	1134	28578.	0.1	0	0	NELCAL	-300	40	4
11	14	15	27	7.1	30.15	-120.88	1134	28578.	0.1	0	6	NELCAL	-299	40	4
11	14	15	27	41.5	29.60	-118.82	1174	28117.	0.1	0	0	NELCAL	-292	35	4
11	14	15	27	41.6	29.60	-118.81	1174	28115.	0.1	0	6	NELCAL	-293	34	4
11	14	15	28	10.8	29.11	-117.10	1209	27710.	0.1	0	0	NELCAL	-281	34	4
11	14	15	28	10.9	29.11	-117.09	1209	27709.	0.1	0	6	NELCAL	-282	33	4
11	14	15	28	46.9	28.49	-115.03	1252	27191.	0.1	0	0	NELCAL	-266	33	4
11	14	15	42	50.0	9.93	-78.82	2343	14533.	0.1	0	0	QUITOE	-176	-72	4
11	14	15	43	27.6	9.07	-77.60	2390	14101.	0.1	0	0	QUITOE	-173	-72	4
11	14	15	45	2.6	6.91	-74.59	2507	13062.	0.1	0	0	QUITOE	-179	-86	4
11	14	17	50	17.1	13.47	-116.95	2135	15765.	0.4	0	0	NELCAL	-103	33	4
11	14	18	12	10.8	-13.79	-79.42	3472	7877.	0.1	0	0	LIMAPU	-112	-78	4
11	14	18	12	22.4	-13.99	-79.12	3479	7882.	0.4	0	7	LIMAPU	-81	-47	4
11	14	18	13	48.4	-15.45	-76.91	3530	7708.	0.3	0	7	LIMAPU	-83	-51	4
11	14	18	14	33.3	-16.20	-75.75	3555	7611.	0.4	0	0	LIMAPU	-101	-70	4
11	14	23	8	46.5	-33.06	-76.27	3141	9632.	0.3	2	0	SNTAGO	-99	-90	3
11	14	23	10	42.2	-32.56	-71.75	3031	9714.	0.1	2	6	SNTAGO	-120	-104	3
11	14	23	10	42.3	-32.56	-71.75	3031	9713.	0.1	2	0	SNTAGO	-121	-105	3
11	14	23	11	21.8	-32.34	-70.19	2992	9722.	0.3	7	6	SNTAGO	-151	-132	3
11	14	23	11	21.8	-32.34	-70.19	2992	9723.	0.2	5	0	SNTAGO	-150	-132	3
11	14	23	11	36.6	-32.25	-69.61	2977	9754.	0.1	2	7	SNTAGO	-135	-115	3
11	15	1	31	33.2	-25.51	-78.53	2297	11802.	0.1	5	0	AGASTA	-138	-118	3
11	15	1	31	33.2	-25.51	-78.53	2297	11800.	0.2	0	5	LIMAPU	-141	-120	3
11	15	1	31	33.4	-25.51	-78.53	2297	11798.	0.2	0	6	AGASTA	-143	-123	3
11	15	1	31	46.9	-25.28	-77.98	2280	11840.	0.1	0	7	AGASTA	-124	-101	3
11	15	1	32	2.1	-25.02	-77.36	2260	11808.	0.2	5	7	AGASTA	-182	-157	3
11	15	1	32	17.4	-24.76	-76.74	2241	11868.	0.1	2	5	SNTAGO	-150	-122	3
11	15	1	32	17.8	-24.75	-76.73	2240	11868.	0.1	0	6	AGASTA	-151	-122	3
11	15	1	32	17.8	-24.75	-76.73	2240	11866.	0.1	0	5	AGASTA	-153	-124	3
11	15	1	32	18.0	-24.75	-76.72	2240	11869.	0.1	0	0	LIMAPU	-151	-122	3
11	15	1	32	34.6	-24.45	-76.05	2218	11889.	0.6	0	5	SNTAGO	-163	-131	3
11	15	1	32	35.6	-24.44	-76.01	2217	11886.	0.4	0	0	LIMAPU	-167	-135	3
11	15	1	32	35.6	-24.44	-76.01	2217	11893.	0.5	2	6	SNTAGO	-161	-128	3
11	15	1	32	48.8	-24.20	-75.47	2200	11915.	0.2	0	5	LIMAPU	-165	-130	3
11	15	1	32	48.8	-24.20	-75.47	2200	11917.	0.2	2	0	SNTAGO	-163	-128	3
11	15	1	33	18.7	-23.65	-74.26	2161	11983.	0.4	2	5	SNTAGO	-162	-121	3
11	15	1	33	18.7	-23.65	-74.26	2161	11980.	0.3	0	0	LIMAPU	-165	-124	3
11	15	1	34	2.9	-22.81	-72.47	2103	12080.	0.4	2	5	SNTAGO	-172	-122	3
11	15	1	34	4.4	-22.79	-72.41	2101	12081.	0.2	0	0	LIMAPU	-175	-124	3
11	15	3	54	32.9	-7.09	-79.33	1291	17272.	0.1	1	0	LIMAPU	-208	-119	2
11	15	3	55	1.9	-6.20	-78.08	1255	17633.	0.2	1	0	LIMAPU	-214	-121	2
11	15	3	55	17.8	-5.71	-77.39	1236	17837.	0.1	1	0	LIMAPU	-221	-124	2
11	15	3	55	35.2	-5.17	-76.63	1215	18071.	0.2	1	0	LIMAPU	-227	-127	2
11	15	5	16	9.0	-26.32	139.30	3750	12610.	0.2	0	6	WOMERA	-113	146	2
11	15	5	16	9.0	-26.32	139.30	3750	12612.	0.1	0	0	WOMERA	-111	148	2
11	15	5	16	52.6	-26.82	140.57	3752	12654.	0.1	0	6	WOMERA	-117	140	2
11	15	5	16	53.2	-26.83	140.59	3752	12660.	0.1	0	0	WOMERA	-111	146	2
11	15	10	4	45.2	-30.73	133.75	2831	17974.	0.1	3	0	WOMERA	-139	248	1
11	15	10	5	42.0	-30.18	136.00	2768	18227.	0.2	0	0	WOMERA	-151	235	1
11	15	10	6	22.7	-29.75	137.61	2722	18413.	0.2	0	0	WOMERA	-149	234	1
11	15	10	52	17.8	33.34	-78.07	754	37566.	0.2	0	0	BPOINT	-145	94	1
11	15	10	52	33.1	33.28	-76.96	766	37266.	0.3	0	0	BPOINT	-148	87	1
11	15	10	52	48.1	33.20	-75.88	779	36960.	0.2	0	0	BPOINT	-151	80	1
11	15	10	53	2.8	33.12	-74.82	791	36656.	0.2	0	0	BPOINT	-147	80	1
11	15	13	0	41.2	33.48	-118.34	674	36544.	0.1	0	0	NELCAL	-450	91	1
11	15	13	1	3.1	33.49	-116.71	689	36521.	0.1	0	0	NELCAL	-440	91	1
11	15	13	1	23.4	33.48	-115.21	704	36476.	0.2	0	0	NELCAL	-430	87	1
11	15	13	1	33.5	33.47	-114.45	711	36444.	0.1	0	0	NELCAL	-423	84	1
11	15	13	11	13.9	26.07	-77.07	1310	27173.	2.6	0	0	BPOINT	-187	3	1
11	15	13	11	24.4	25.85	-76.51	1323	26951.	0.3	7	0	BPOINT	-175	14	1
11	15	13	11	34.4	25.64	-75.99	1335	26725.	0.8	0	0	BPOINT	-177	11	1
11	15	13	16	33.5	18.89	-61.89	1722	20235.	0.4	0	0	ANTGUA	-230	-87	1
11	15	15	18	26.3	29.30	-119.58	1098	28835.	0.2	0	0	NELCAL	-295	44	1
11	15	15	18	47.8	28.93	-118.30	1123	28540.	0.1	0	0	NELCAL	-283	47	1

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	15	15	19	10.3	28.52	-116.97	1149	28214.	0.2	0	0	NELCAL	-276	44	1
11	15	15	19	36.7	28.03	-115.44	1180	27826.	0.1	0	0	NELCAL	-260	47	1
11	15	15	34	17.4	7.86	-77.61	2315	14247.	0.4	0	5	LIMAPU	-156	-56	1
11	15	15	34	17.5	7.86	-77.61	2315	14243.	0.1	0	0	QUITOE	-158	-58	1
11	15	15	34	35.1	7.44	-77.04	2337	14036.	0.1	0	0	QUITOE	-161	-62	1
11	15	18	5	4.2	-17.28	-75.61	3511	7734.	0.2	3	0	AGASTA	-81	-52	0
11	15	18	7	19.6	-19.43	-72.00	3585	7501.	0.2	5	0	AGASTA	-106	-80	0
11	15	18	7	49.7	-19.89	-71.19	3599	7474.	0.1	0	0	AGASTA	-96	-70	0
11	15	20	35	39.0	-31.75	-72.29	3690	7977.	0.5	6	0	SNTAGO	-90	-80	0
11	15	20	36	33.2	-32.07	-70.48	3672	8306.	0.6	0	7	SNTAGO	217	229	0
11	15	23	1	23.0	-32.20	-70.98	3098	9458.	0.5	0	0	SNTAGO	-122	-105	1
11	15	23	1	34.9	-32.13	-70.52	3086	9481.	0.1	0	5	AGASTA	-109	-91	1
11	15	23	1	35.0	-32.13	-70.52	3086	9477.	0.1	0	0	SNTAGO	-112	-95	1
11	16	1	23	27.1	-23.51	-75.69	2292	11552.	0.1	0	0	SNTAGO	-132	-98	1
11	16	1	23	27.3	-23.51	-75.69	2291	11549.	0.1	0	5	LIMAPU	-136	-102	1
11	16	1	23	27.6	-23.50	-75.67	2291	11545.	0.1	0	6	LIMAPU	-140	-106	1
11	16	1	23	41.8	-23.25	-75.12	2273	11578.	0.1	0	6	LIMAPU	-138	-101	1
11	16	1	23	41.8	-23.25	-75.12	2273	11576.	0.1	0	0	SNTAGO	-140	-103	1
11	16	1	23	42.0	-23.24	-75.11	2273	11576.	0.1	0	5	LIMAPU	-140	-103	1
11	16	1	24	58.7	-21.78	-72.11	2174	11752.	0.2	0	5	LIMAPU	-152	-102	1
11	16	1	24	58.8	-21.78	-72.10	2173	11752.	0.1	0	0	SNTAGO	-153	-103	1
11	16	1	25	10.5	-21.55	-71.65	2158	11790.	0.2	0	5	SNTAGO	-147	-95	1
11	16	1	25	11.1	-21.54	-71.63	2157	11787.	0.1	0	0	LIMAPU	-152	-99	1
11	16	1	25	20.6	-21.35	-71.25	2145	11808.	0.1	0	0	SNTAGO	-159	-104	1
11	16	1	25	21.0	-21.34	-71.24	2144	11808.	0.3	0	5	LIMAPU	-160	-105	1
11	16	3	45	52.2	-5.38	-78.74	1329	17310.	0.1	0	0	QUITOE	-192	-100	0
11	16	3	46	6.5	-4.94	-78.14	1311	17502.	1.6	0	5	LIMAPU	-192	-98	0
11	16	3	46	7.1	-4.92	-78.11	1310	17506.	0.1	0	0	QUITOE	-196	-102	0
11	16	3	46	21.9	-4.47	-77.48	1292	17707.	0.3	0	5	LIMAPU	-199	-103	0
11	16	3	46	22.2	-4.46	-77.47	1291	17709.	0.1	0	0	QUITOE	-201	-105	0
11	16	3	46	37.0	-4.01	-76.84	1273	17914.	0.3	0	5	LIMAPU	-208	-109	0
11	16	3	46	37.1	-4.01	-76.83	1273	17916.	0.1	0	0	QUITOE	-207	-109	0
11	16	3	46	51.3	-3.57	-76.22	1255	18120.	0.6	0	5	LIMAPU	-211	-110	0
11	16	3	46	51.8	-3.55	-76.20	1255	18126.	0.1	0	0	QUITOE	-212	-112	0
11	16	3	47	38.1	-2.10	-74.20	1199	18823.	0.2	0	0	QUITOE	-229	-122	0
11	16	3	51	59.7	6.46	-62.27	909	23391.	3.3	2	7	ANTGUA	-421	-255	0
11	16	3	52	18.9	7.10	-61.35	890	23815.	0.7	5	7	ANTGUA	-361	-192	0
11	16	7	32	3.9	-33.35	137.19	3547	14533.	0.1	0	0	WOMERA	-107	188	2
11	16	7	32	13.5	-33.37	137.53	3542	14555.	0.1	0	0	WOMERA	-108	187	2
11	16	9	56	3.7	-29.80	135.74	2865	17571.	0.1	0	0	WOMERA	-139	234	1
11	16	9	56	13.2	-29.70	136.11	2854	17601.	0.1	0	0	WOMERA	-147	225	1
11	16	9	56	42.5	-29.38	137.23	2822	17725.	0.4	0	0	WOMERA	-140	231	1
11	16	10	34	19.5	28.63	-118.33	513	36989.	0.2	0	0	NELCAL	-463	27	1
11	16	10	35	2.9	29.53	-115.25	513	37866.	0.1	0	0	NELCAL	-469	50	1
11	16	10	35	14.9	29.76	-114.38	513	38095.	0.1	0	0	NELCAL	-468	53	1
11	16	10	35	25.7	29.97	-113.60	514	38289.	0.1	0	0	NELCAL	-470	50	1
11	16	10	43	23.0	33.21	-77.75	718	38103.	0.2	7	0	BPOINT	-151	89	1
11	16	10	43	28.5	33.18	-77.35	722	38000.	0.2	7	0	BPOINT	-148	91	1
11	16	10	43	34.1	33.14	-76.94	727	37890.	0.1	7	0	BPOINT	-149	89	1
11	16	10	43	37.4	33.13	-76.70	729	37821.	0.2	7	0	BPOINT	-153	84	1
11	16	12	20	32.6	-14.38	136.43	1798	21374.	0.2	0	0	WOMERA	-181	272	2
11	16	12	50	45.5	33.42	-122.72	609	36945.	0.1	6	0	NELCAL	-476	76	2
11	16	12	51	50.9	33.49	-117.75	647	37063.	0.2	0	0	NELCAL	-457	98	2
11	16	12	52	51.6	33.36	-113.22	688	36937.	0.3	6	0	NELCAL	-423	83	2
11	16	12	53	35.0	33.16	-110.01	720	36705.	0.5	0	0	NELCAL	-395	54	2
11	16	13	1	33.7	26.16	-79.12	1200	28559.	0.1	0	0	BPOINT	-176	19	2
11	16	13	1	48.9	25.83	-78.29	1218	28204.	0.1	0	0	BPOINT	-180	14	2
11	16	13	2	5.2	25.48	-77.41	1238	27826.	0.1	0	0	BPOINT	-182	10	2
11	16	13	2	19.1	25.18	-76.67	1254	27500.	0.1	0	0	BPOINT	-188	4	2
11	16	15	9	29.9	28.67	-119.28	1046	29274.	0.1	0	0	NELCAL	-290	51	3
11	16	15	9	56.2	28.17	-117.71	1075	28891.	0.1	0	0	NELCAL	-283	46	3
11	16	15	10	43.4	27.24	-114.97	1129	28180.	0.	0	0	NELCAL	-255	50	3
11	16	15	11	20.5	26.48	-112.87	1172	27589.	0.1	0	0	NELCAL	-238	48	3
11	16	15	24	35.3	7.43	-78.74	2197	14783.	0.8	0	0	QUITOE	-154	-52	3
11	16	15	25	0.2	6.83	-77.91	2229	14478.	0.1	0	5	QUITOE	-151	-51	3
11	16	15	25	0.3	6.82	-77.90	2230	14477.	0.1	0	0	LIMAPU	-151	-51	3
11	16	15	25	44.8	5.76	-76.44	2286	13944.	0.2	0	5	LIMAPU	-154	-58	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	16	15	25	44.9	5.76	-76.44	2286	13945.	0.1	0	0	QUITOE	-152	-56	3
11	16	17	54	45.1	-17.51	-76.81	3430	7909.	0.2	5	0	AGASTA	-123	-95	3
11	16	20	26	47.8	-32.36	-70.23	3702	7935.	0.1	2	0	SNTAGO	-106	-95	3
11	16	20	27	15.8	-32.50	-69.29	3694	7936.	0.1	2	0	SNTAGO	-112	-100	3
11	16	22	52	56.5	-31.40	-68.20	3113	9252.	0.1	0	0	SNTAGO	-121	-101	3
11	16	22	52	56.9	-31.40	-68.19	3112	9249.	0.1	0	5	AGASTA	-123	-103	3
11	16	22	53	4.4	-31.34	-67.91	3105	9255.	0.1	0	7	SNTAGO	-124	-103	3
11	16	22	53	6.2	-31.33	-67.84	3104	9260.	0.2	1	0	AGASTA	-119	-99	3
11	16	22	53	12.0	-31.28	-67.62	3098	9248.	0.2	0	7	SNTAGO	-137	-116	3
11	16	22	53	25.7	-31.17	-67.11	3085	9277.	0.1	0	0	SNTAGO	-119	-97	3
11	16	22	53	26.3	-31.17	-67.09	3085	9272.	0.1	0	5	AGASTA	-123	-102	3
11	16	22	54	22.3	-30.69	-64.98	3030	9320.	0.2	0	0	SNTAGO	-124	-100	3
11	16	22	54	22.4	-30.69	-64.98	3030	9316.	0.4	0	5	LIMAPU	-129	-105	3
11	17	1	13	30.5	-23.40	-77.17	2425	11096.	0.2	1	0	SNTAGO	-142	-115	2
11	17	1	13	31.0	-23.39	-77.15	2425	11094.	0.3	1	5	LIMAPU	-145	-117	2
11	17	1	15	59.8	-20.59	-71.53	2236	11438.	0.2	0	0	SNTAGO	-157	-106	2
11	17	3	36	30.8	-4.85	-79.83	1419	16830.	0.1	0	0	QUITOE	-186	-97	4
11	17	3	36	45.5	-4.42	-79.22	1400	17018.	0.1	0	0	QUITOE	-190	-99	4
11	17	3	37	2.2	-3.92	-78.53	1379	17246.	0.2	0	0	QUITOE	-190	-97	4
11	17	3	37	15.7	-3.51	-77.97	1361	17427.	0.1	7	0	QUITOE	-199	-103	4
11	17	3	37	47.3	-2.55	-76.65	1322	17876.	0.	0	0	QUITOE	-211	-111	4
11	17	3	38	14.0	-1.73	-75.52	1288	18273.	0.1	0	0	QUITOE	-224	-122	4
11	17	3	43	14.0	7.90	-62.05	945	23597.	0.4	0	0	ANTGUA	-361	-194	4
11	17	3	43	24.1	8.24	-61.57	935	23791.	0.4	0	0	ANTGUA	-359	-192	4
11	17	3	43	34.1	8.57	-61.09	924	23976.	0.4	0	0	ANTGUA	-365	-197	4
11	17	10	25	34.2	29.36	-117.74	516	37381.	0.2	7	0	NELCAL	-472	46	3
11	17	10	25	43.3	29.54	-117.09	515	37574.	0.2	0	0	NELCAL	-476	49	3
11	17	10	25	48.7	29.65	-116.70	514	37691.	0.2	0	0	NELCAL	-474	54	3
11	17	10	34	27.2	33.04	-77.55	685	38622.	0.2	0	0	BPOINT	-146	97	3
11	17	10	34	36.1	32.97	-76.89	691	38450.	0.2	0	0	BPOINT	-147	94	3
11	17	10	34	46.4	32.90	-76.13	699	38245.	0.1	0	0	BPOINT	-146	93	3
11	17	12	42	27.0	33.49	-119.74	605	37496.	0.1	0	0	NELCAL	-471	104	3
11	17	12	42	41.7	33.48	-118.62	613	37520.	0.1	0	0	NELCAL	-466	107	3
11	17	12	42	56.6	33.45	-117.49	621	37528.	0.1	0	0	NELCAL	-462	107	3
11	17	12	43	6.9	33.43	-116.70	627	37530.	0.1	0	0	NELCAL	-453	110	3
11	17	12	58	13.3	17.18	-62.47	1564	21050.	0.1	0	0	ANTGUA	-253	-101	3
11	17	12	58	24.7	16.89	-61.98	1579	20805.	0.3	0	0	ANTGUA	-254	-106	3
11	17	15	0	35.0	27.97	-118.94	997	29639.	0.1	0	0	NELCAL	-303	39	1
11	17	15	0	49.8	27.68	-118.06	1013	29422.	0.1	0	0	NELCAL	-295	39	1
11	17	15	15	43.7	5.80	-78.23	2144	14696.	0.	0	0	QUITOE	-171	-72	1
11	17	15	15	59.8	5.41	-77.69	2165	14489.	0.2	0	0	QUITOE	-178	-79	1
11	17	15	17	34.9	3.10	-74.55	2287	13366.	0.1	0	0	QUITOE	-178	-88	1
11	17	17	44	37.5	-17.90	-7..77	3347	8143.	0.2	2	7	LIMAPU	-120	-92	1
11	17	17	45	13.4	-18.50	-76.77	3373	8052.	0.4	2	7	LIMAPU	-131	-104	1
11	17	17	45	22.4	-18.64	-76.52	3380	8046.	0.2	2	7	LIMAPU	-118	-91	1
11	17	20	13	17.1	-31.35	-77.37	3753	7824.	0.4	0	7	LIMAPU	-204	-197	0
11	17	20	16	24.7	-32.45	-71.21	3733	7837.	0.6	0	7	LIMAPU	-167	-156	0
11	18	1	4	47.2	-21.93	-75.84	2465	10797.	0.2	4	0	SNTAGO	-162	-129	2
11	18	1	5	2.3	-21.65	-75.29	2447	10759.	0.2	4	7	SNTAGO	-234	-198	2
11	18	1	6	37.6	-19.81	-71.81	2327	11092.	0.2	4	7	SNTAGO	-148	-99	2
11	18	1	7	14.5	-19.06	-70.46	2280	11191.	0.3	0	0	LIMAPU	-165	-111	2
11	18	3	27	30.6	-3.65	-79.98	1482	16624.	0.1	0	0	QUITOE	-199	-108	2
11	18	3	27	42.5	-3.31	-79.50	1467	16775.	0.1	0	5	LIMAPU	-207	-115	2
11	18	3	27	42.9	-3.30	-79.49	1466	16779.	0.1	0	0	QUITOE	-209	-117	2
11	18	3	28	26.5	-2.01	-77.71	1410	17382.	0.2	0	0	QUITOE	-223	-126	2
11	18	3	28	26.5	-2.00	-77.71	1410	17383.	0.4	0	5	LIMAPU	-223	-126	2
11	18	3	28	48.5	-1.35	-76.81	1382	17700.	0.1	0	0	QUITOE	-235	-135	2
11	18	3	29	2.4	-0.93	-76.23	1365	17912.	0.3	0	0	QUITOE	-238	-136	2
11	18	3	29	17.5	-0.47	-75.60	1346	18153.	0.6	0	5	LIMAPU	-236	-133	2
11	18	3	29	18.1	-0.45	-75.57	1345	18154.	0.2	0	0	QUITOE	-244	-141	2
11	18	3	29	32.9	-0.00	-74.96	1326	18387.	0.3	0	5	LIMAPU	-250	-144	2
11	18	3	29	33.1	0.00	-74.95	1326	18389.	0.3	0	0	QUITOE	-251	-146	2
11	18	4	44	49.6	-26.81	135.86	3664	13070.	0.2	0	0	WOMERA	-117	160	2
11	18	4	44	58.5	-26.91	136.13	3667	13069.	0.3	0	0	WOMERA	-118	158	2
11	18	4	45	33.5	-27.31	137.18	3679	13068.	0.2	0	0	WOMERA	-115	158	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	18	4	45	48.6	-27.48	137.63	3684	13066.	0.3	0	0	WOMERA	-116	155	2
11	18	10	16	28.2	29.65	-118.58	524	37256.	0.1	0	0	NELCAL	-481	42	2
11	18	10	16	38.7	29.85	-117.83	522	37492.	0.1	0	0	NELCAL	-485	47	2
11	18	10	16	48.1	30.03	-117.15	520	37699.	0.	0	0	NELCAL	-488	52	2
11	18	10	25	5.5	33.02	-79.29	638	39556.	0.5	0	0	BPOINT	-143	107	2
11	18	10	25	14.3	32.96	-78.63	644	39401.	0.7	0	0	BPOINT	-143	106	2
11	18	12	33	26.6	33.47	-119.95	580	37860.	0.2	0	0	NELCAL	-488	100	3
11	18	12	33	43.2	33.43	-118.68	588	37898.	0.1	0	0	NELCAL	-485	101	3
11	18	12	33	56.1	33.40	-117.69	594	37920.	0.1	0	0	NELCAL	-477	106	3
11	18	12	34	9.7	33.35	-116.66	601	37928.	0.1	0	0	NELCAL	-472	105	3
11	18	12	34	41.5	33.20	-114.24	618	37899.	0.2	0	0	NELCAL	-454	95	3
11	18	14	51	20.0	27.67	-119.88	930	30278.	0.2	6	0	NELCAL	-309	40	3
11	18	14	51	20.4	27.66	-119.86	930	30273.	0.2	0	6	NELCAL	-308	40	3
11	18	14	51	31.4	27.43	-119.19	941	30119.	0.1	6	6	NELCAL	-296	47	3
11	18	14	51	31.6	27.43	-119.18	942	30117.	0.1	0	0	NELCAL	-297	47	3
11	18	14	51	42.4	27.20	-118.53	953	29950.	0.1	6	0	NELCAL	-297	41	3
11	18	14	51	42.7	27.20	-118.51	953	29945.	0.1	0	6	NELCAL	-298	40	3
11	18	14	51	54.1	26.95	-117.83	965	29779.	0.1	6	6	NELCAL	-285	46	3
11	18	14	51	54.6	26.94	-117.80	965	29773.	0.2	0	0	NELCAL	-284	47	3
11	18	15	6	49.1	4.25	-77.84	2086	14678.	0.1	0	0	QUITOE	-164	-66	3
11	18	15	7	13.6	3.64	-77.01	2118	14364.	0.2	0	0	QUITOE	-169	-74	3
11	18	15	7	35.6	3.09	-76.26	2147	14096.	0.3	0	0	QUITOE	-167	-74	3
11	19	0	58	19.8	-17.67	-69.76	2336	10955.	0.1	0	0	LIMAPU	-162	-107	2
11	19	0	58	19.8	-17.66	-69.76	2336	10954.	0.1	1	5	AGASTA	-163	-108	2
11	19	3	19	56.2	0.08	-76.65	1435	17685.	0.2	0	0	QUITOE	-215	-114	3
11	19	3	19	56.4	0.09	-76.65	1435	17685.	0.3	0	5	LIMAPU	-218	-117	3
11	19	3	20	12.3	0.56	-76.00	1415	17936.	0.3	0	0	QUITOE	-217	-114	3
11	19	3	20	32.5	1.16	-75.17	1389	18249.	0.3	0	0	QUITOE	-232	-127	3
11	19	3	25	32.5	10.48	-61.96	1031	23671.	0.	4	0	ANTGUA	-348	-180	3
11	19	3	25	43.1	10.82	-61.46	1019	23864.	0.1	4	0	ANTGUA	-355	-185	3
11	19	4	35	37.4	-27.78	136.92	3641	13294.	0.1	0	0	WOMERA	-125	153	3
11	19	4	36	17.6	-28.21	138.16	3657	13280.	0.1	0	0	WOMERA	-121	154	3
11	19	7	58	50.0	31.46	-79.79	518	41231.	0.9	2	0	BPOINT	-152	116	4
11	19	7	59	0.8	31.61	-78.98	516	41284.	1.1	0	0	BPOINT	-148	119	4
11	19	7	59	11.0	31.75	-78.21	515	41317.	0.2	6	0	BPOINT	-153	114	4
11	19	9	27	21.9	-28.26	135.85	3115	15872.	0.1	0	0	WOMERA	-134	203	3
11	19	9	28	41.2	-27.29	138.62	3039	16064.	0.1	0	0	WOMERA	-135	199	3
11	19	9	29	3.1	-27.01	139.38	3017	16117.	0.1	0	0	WOMERA	-133	199	3
11	19	10	7	26.6	30.02	-119.07	535	37159.	0.1	0	0	NELCAL	-488	41	3
11	19	10	8	1.8	30.64	-116.51	527	37971.	0.1	0	0	NELCAL	-490	66	3
11	19	10	16	12.1	32.80	-78.96	613	39910.	0.3	6	0	BPOINT	-145	108	3
11	19	10	16	23.7	32.70	-78.09	620	39706.	0.3	6	0	BPOINT	-146	105	3
11	19	10	16	34.3	32.60	-77.30	626	39513.	0.2	0	0	BPOINT	-144	105	3
11	19	10	16	42.3	32.52	-76.70	631	39364.	0.1	6	0	BPOINT	-142	106	3
11	19	12	24	41.5	33.37	-119.01	566	38204.	0.2	0	0	NELCAL	-497	102	3
11	19	12	24	59.7	33.30	-117.61	573	38251.	0.1	6	0	NELCAL	-485	109	3
11	19	12	25	32.2	33.12	-115.12	588	38266.	0.1	0	0	NELCAL	-472	100	3
11	19	12	25	46.6	33.02	-114.03	595	38252.	0.1	0	0	NELCAL	-463	94	3
11	19	14	43	9.5	25.95	-117.00	930	29906.	0.1	0	0	NELCAL	-287	34	3
11	19	14	43	45.6	25.10	-114.89	967	29319.	0.1	0	0	NELCAL	-265	36	3
11	19	14	57	32.3	3.27	-78.26	2000	14935.	0.4	2	0	QUITOE	-178	-81	3
11	19	14	59	15.9	0.64	-74.71	2136	13653.	0.1	2	0	QUITOE	-175	-86	3
11	19	14	59	32.1	0.24	-74.17	2157	13523.	0.2	2	7	QUITOE	-118	-30	3
11	19	17	25	47.8	-20.01	-77.36	3228	8483.	0.1	0	0	LIMAPU	-118	-92	2
11	19	22	22	32.7	-30.94	-70.92	3402	8602.	0.5	2	7	AGASTA	-47	-32	1
11	19	22	23	4.7	-30.68	-69.82	3378	8551.	0.	0	0	SNTAGO	-102	-86	1
11	20	0	45	18.5	-21.03	-77.49	2688	10096.	0.2	5	7	LIMAPU	-123	-94	3
11	20	0	45	19.0	-21.02	-77.47	2688	10092.	0.3	5	6	LIMAPU	-128	-99	3
11	20	0	45	46.7	-20.52	-76.53	2655	10140.	0.2	5	0	LIMAPU	-135	-103	3
11	20	0	46	3.1	-20.22	-75.97	2636	10831.	0.1	7	7	LIMAPU	521	555	3
11	20	0	47	33.9	-18.48	-72.88	2528	10410.	0.2	5	0	LIMAPU	-128	-83	3
11	20	0	47	50.8	-18.15	-72.30	2507	10765.	0.1	5	7	LIMAPU	179	225	3
11	20	0	48	38.4	-17.19	-70.67	2449	10575.	0.8	2	5	AGASTA	-164	-112	3
11	20	0	48	38.9	-17.18	-70.65	2448	10585.	0.1	0	0	LIMAPU	-156	-105	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	20	3	16	34.3	11.55	-62.19	1084	23541.	0.1	6	0	ANTGUA	-341	-171	2
11	20	3	16	44.2	11.86	-61.73	1073	23726.	0.1	6	0	ANTGUA	-342	-172	2
11	20	3	16	54.0	12.16	-61.26	1062	23911.	0.2	6	0	ANTGUA	-340	-168	2
11	20	3	17	3.7	12.46	-60.80	1051	24084.	0.	6	0	ANTGUA	-348	-175	2
11	20	4	25	17.5	-27.98	135.92	3582	13584.	0.2	0	0	WOMERA	-125	162	2
11	20	4	25	57.8	-28.41	137.18	3602	13556.	0.2	0	0	WOMERA	-119	164	2
11	20	4	26	7.4	-28.51	137.48	3607	13546.	0.1	0	0	WOMERA	-120	161	2
11	20	7	50	18.3	32.11	-77.97	520	41362.	0.7	4	0	BPOINT	-144	120	1
11	20	7	50	28.8	32.23	-77.18	519	41392.	0.2	0	0	BPOINT	-145	117	1
11	20	7	50	38.7	32.35	-76.42	518	41411.	0.5	0	0	BPOINT	-145	114	1
11	20	9	17	33.5	-27.82	135.49	3203	15348.	0.1	0	0	WOMERA	-128	199	1
11	20	9	18	31.3	-27.12	137.44	3151	15457.	0.1	0	0	WOMERA	-134	191	1
11	20	9	19	1.3	-26.73	138.46	3124	15514.	0.1	0	0	WOMERA	-135	188	1
11	20	9	19	31.1	-26.34	139.46	3096	15569.	0.1	0	0	WOMERA	-136	185	1
11	20	9	58	26.0	30.39	-119.47	550	37033.	0.1	0	0	NELCAL	-474	59	1
11	20	9	58	52.5	30.84	-117.54	542	37660.	0.4	0	0	NELCAL	-486	70	1
11	20	9	59	33.7	31.47	-114.49	531	38589.	0.2	0	0	NELCAL	-485	81	1
11	20	9	59	56.1	31.78	-112.81	526	39057.	0.1	0	0	NELCAL	-480	77	1
11	20	10	7	17.9	32.54	-78.71	591	40223.	0.3	4	0	BPOINT	-145	111	1
11	20	10	7	29.4	32.42	-77.85	596	40026.	0.2	4	0	BPOINT	-143	111	1
11	20	10	7	49.3	32.20	-76.37	607	39657.	0.2	0	0	BPOINT	-147	103	1
11	20	12	15	47.4	33.25	-118.77	549	38471.	0.1	0	0	NELCAL	-499	109	0
11	20	12	16	17.1	33.07	-116.48	560	38541.	0.1	0	0	NELCAL	-488	109	0
11	20	12	16	47.1	32.85	-114.19	572	38552.	0.1	0	0	NELCAL	-470	100	0
11	20	12	17	18.2	32.57	-111.84	586	38492.	0.1	0	0	NELCAL	-452	74	0
11	20	12	31	19.3	13.68	-62.17	1380	21515.	0.5	6	0	ANTGUA	-280	-128	0
11	20	14	33	4.8	26.77	-121.06	820	31218.	0.	0	0	NELCAL	-330	21	0
11	20	14	33	51.4	25.69	-118.21	863	30534.	0.1	0	0	NELCAL	-298	28	0
11	20	14	34	31.5	24.73	-115.84	902	29896.	0.1	0	0	NELCAL	-269	36	0
11	20	14	35	11.2	23.74	-113.55	942	29214.	0.1	0	0	NELCAL	-249	36	0
11	20	14	48	25.2	2.06	-78.37	1925	15137.	0.4	0	0	QUITOE	-139	-44	0
11	20	14	49	8.1	0.94	-76.86	1982	14565.	1.1	3	5	LIMAPU	-151	-58	0
11	20	14	49	8.1	0.94	-76.86	1982	14560.	0.6	0	0	QUITOE	-156	-63	0
11	20	14	49	30.5	0.36	-76.08	2011	14268.	0.1	0	0	QUITOE	-167	-76	0
11	20	14	49	50.7	-0.15	-75.38	2038	14014.	0.3	0	5	LIMAPU	-173	-84	0
11	20	14	49	50.8	-0.16	-75.38	2038	14014.	0.1	0	0	QUITOE	-172	-82	0
11	21	3	1	24.2	1.65	-78.12	1605	16954.	0.7	0	5	LIMAPU	-186	-86	2
11	21	3	1	24.8	1.66	-78.10	1604	16962.	0.	0	0	QUITOE	-187	-87	2
11	21	3	1	54.2	2.50	-76.95	1566	17403.	0.1	0	5	LIMAPU	-196	-93	2
11	21	3	1	54.3	2.50	-76.95	1565	17406.	0.	0	0	QUITOE	-195	-92	2
11	21	3	2	19.5	3.23	-75.95	1532	17790.	0.1	0	0	QUITOE	-212	-106	2
11	21	3	2	19.6	3.23	-75.95	1532	17795.	0.9	0	5	LIMAPU	-208	-102	2
11	21	3	3	33.3	5.38	-72.97	1437	19005.	0.1	0	0	QUITOE	-238	-122	2
11	21	3	7	34.0	12.57	-62.47	1141	23374.	0.1	0	0	ANTGUA	-320	-151	2
11	21	3	7	44.3	12.88	-61.99	1129	23559.	0.1	0	0	ANTGUA	-327	-156	2
11	21	3	7	54.4	13.19	-61.51	1117	23748.	0.1	0	0	ANTGUA	-325	-152	2
11	21	3	8	3.5	13.46	-61.08	1107	23912.	0.1	0	0	ANTGUA	-329	-156	2
11	21	7	41	4.0	32.19	-79.34	533	41217.	0.3	0	0	BPOINT	-142	121	2
11	21	7	41	19.0	32.36	-78.20	530	41299.	0.5	0	0	BPOINT	-140	122	2
11	21	7	41	34.1	32.52	-77.05	526	41357.	0.4	0	0	BPOINT	-139	120	2
11	21	7	41	48.9	32.67	-75.92	524	41389.	0.4	0	0	BPOINT	-141	113	2
11	21	9	8	12.0	-27.03	136.06	3262	14914.	0.1	0	0	WOMERA	-121	196	3
11	21	9	8	29.5	-26.81	136.64	3248	14935.	0.1	0	0	WOMERA	-126	190	3
11	21	9	9	14.8	-26.23	138.13	3209	15004.	0.1	0	0	WOMERA	-126	187	3
11	21	9	9	39.4	-25.90	138.93	3187	15043.	0.1	0	0	WOMERA	-123	189	3
11	21	9	58	27.8	32.19	-78.18	573	40406.	0.8	4	0	BPOINT	-139	119	3
11	21	9	58	48.0	31.95	-76.68	582	40047.	0.5	0	0	BPOINT	-144	111	3
11	21	9	59	3.3	31.75	-75.54	589	39757.	0.3	0	0	BPOINT	-148	106	3
11	21	9	59	18.1	31.55	-74.46	596	39459.	0.2	0	0	BPOINT	-154	98	3
11	21	12	7	24.1	32.86	-116.16	545	38752.	0.1	0	0	NELCAL	-486	114	4
11	21	12	7	39.1	32.73	-115.02	550	38770.	0.1	0	0	NELCAL	-479	109	4
11	21	12	7	50.5	32.62	-114.15	554	38771.	0.2	0	0	NELCAL	-475	101	4
11	21	12	8	2.4	32.50	-113.25	558	38766.	0.1	0	0	NELCAL	-465	94	4
11	21	12	22	19.1	12.58	-62.27	1318	21706.	0.3	0	0	ANTGUA	-294	-141	4
11	21	12	22	28.8	12.30	-61.84	1330	21474.	0.1	0	0	ANTGUA	-294	-144	4

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	21	12	22	40.9	11.95	-61.31	1345	21189.	0.1	0	0	ANTGUA	-294	-148	4
11	21	12	22	50.1	11.69	-60.91	1357	20971.	0.1	3	0	ANTGUA	-296	-153	4
11	21	14	26	7.5	23.08	-113.95	889	29575.	0.1	0	0	NELCAL	-246	37	4
11	21	14	26	18.0	22.80	-113.35	899	29377.	0.1	0	0	NELCAL	-252	27	4
11	21	14	26	32.8	22.41	-112.52	914	29123.	0.2	0	0	NELCAL	-231	42	4
11	21	14	26	54.4	21.83	-111.32	935	28728.	0.1	0	0	NELCAL	-218	47	4
11	21	14	42	3.8	-3.44	-72.69	2070	13230.	0.1	0	0	LIMAPU	-186	-102	4
11	21	14	42	3.8	-3.44	-72.69	2070	13230.	0.2	2	5	QUITOE	-186	-103	4
11	21	14	42	13.7	-3.69	-72.35	2083	13118.	0.1	2	5	QUITOE	-189	-107	4
11	21	14	42	14.1	-3.70	-72.34	2083	13113.	0.1	0	0	LIMAPU	-189	-107	4
11	21	14	42	28.7	-4.06	-71.84	2102	12956.	0.1	2	0	QUITOE	-190	-108	4
11	21	14	42	28.8	-4.06	-71.84	2102	12957.	0.1	0	5	LIMAPU	-188	-106	4
11	21	14	42	44.0	-4.45	-71.32	2122	12798.	0.1	0	5	LIMAPU	-187	-106	4
11	21	14	42	44.1	-4.45	-71.32	2123	12798.	0.1	2	0	QUITOE	-186	-105	4
11	21	17	5	52.9	-20.90	-78.98	3033	9064.	0.1	0	0	AGASTA	-143	-120	4
11	21	17	7	32.8	-22.51	-75.86	3129	8768.	0.1	0	0	AGASTA	-151	-128	4
11	21	17	7	47.0	-22.73	-75.41	3142	8733.	0.3	0	0	AGASTA	-148	-124	4
11	21	22	3	6.0	-30.08	-70.68	3520	7892.	0.3	0	7	LIMAPU	-389	-374	3
11	22	0	32	34.9	-11.89	-65.80	2425	10657.	0.2	0	0	AGASTA	-197	-137	3
11	22	2	52	21.8	2.87	-78.23	1672	16776.	0.2	1	5	QUITOE	-216	-115	3
11	22	2	52	21.8	2.87	-78.23	1672	16777.	0.1	0	0	LIMAPU	-215	-113	3
11	22	2	52	31.8	3.15	-77.85	1659	16921.	0.1	1	0	QUITOE	-221	-118	3
11	22	2	52	32.1	3.16	-77.84	1659	16926.	0.1	0	6	LIMAPU	-221	-119	3
11	22	2	52	32.8	3.18	-77.81	1658	16922.	0.1	0	5	LIMAPU	-235	-133	3
11	22	2	52	48.2	3.61	-77.22	1638	17172.	0.2	1	0	QUITOE	-221	-117	3
11	22	2	52	48.4	3.61	-77.21	1637	17167.	0.5	0	5	LIMAPU	-230	-126	3
11	22	2	58	37.4	13.72	-62.51	1195	23239.	0.2	0	0	ANTGUA	-325	-155	3
11	22	2	58	47.4	14.01	-62.05	1183	23411.	0.6	0	0	ANTGUA	-336	-164	3
11	22	2	59	7.9	14.61	-61.08	1159	23784.	0.1	0	0	ANTGUA	-334	-160	3
11	22	7	32	49.1	32.86	-76.15	534	41273.	1.4	4	0	BPOINT	-138	114	3
11	22	8	58	28.1	-26.46	135.93	3336	14469.	0.2	0	0	WOMERA	-117	191	3
11	22	8	58	38.9	-26.32	136.27	3327	14474.	0.1	0	0	WOMERA	-123	184	3
11	22	8	59	4.7	-25.99	137.09	3307	14508.	0.1	0	0	WOMERA	-118	188	3
11	22	9	40	16.0	30.96	-120.74	596	36348.	0.1	0	0	NELCAL	-470	51	4
11	22	9	40	49.2	31.46	-118.32	581	37185.	0.3	0	0	NELCAL	-476	75	4
11	22	9	41	18.0	31.85	-116.20	568	37875.	0.1	0	0	NELCAL	-481	85	4
11	22	9	41	47.8	32.22	-113.97	557	38554.	0.1	0	0	NELCAL	-480	84	4
11	22	11	58	0.1	32.88	-118.24	526	38784.	0.3	0	0	NELCAL	-505	111	4
11	22	11	58	32.4	32.59	-115.77	534	38885.	0.4	0	0	NELCAL	-494	107	4
11	22	11	58	59.9	32.30	-113.67	541	38916.	0.4	0	0	NELCAL	-477	94	4
11	22	11	59	32.1	31.91	-111.25	551	38883.	0.2	0	0	NELCAL	-453	68	4
11	22	12	13	22.2	11.38	-62.27	1262	21812.	0.4	0	0	ANTGUA	-307	-154	3
11	22	12	13	32.9	11.07	-61.80	1275	21560.	0.6	0	0	ANTGUA	-302	-152	3
11	22	12	13	43.2	10.77	-61.34	1287	21314.	0.3	0	0	ANTGUA	-301	-155	3
11	22	14	15	32.6	24.82	-119.78	759	31380.	0.2	0	0	NELCAL	-306	18	3
11	22	14	16	4.0	24.01	-117.89	785	30898.	0.1	0	0	NELCAL	-284	24	3
11	22	14	16	49.0	22.82	-115.25	825	30157.	0.2	0	0	NELCAL	-251	36	3
11	22	14	17	16.6	22.06	-113.66	850	29672.	0.1	0	0	NELCAL	-234	43	3
11	22	14	30	45.1	-1.21	-77.47	1822	15014.	0.1	0	0	QUITOE	-177	-86	3
11	22	14	31	16.7	-2.06	-76.32	1864	14621.	0.2	0	5	LIMAPU	-159	-70	3
11	22	14	31	16.8	-2.06	-76.32	1864	14619.	0.2	6	0	QUITOE	-159	-70	3
11	22	14	31	40.9	-2.70	-75.45	1896	14318.	0.6	6	7	QUITOE	-159	-71	3
11	23	2	43	17.7	4.07	-78.37	1743	16576.	0.5	0	6	QUITOE	-257	-154	5
11	23	2	43	17.7	4.07	-78.37	1742	16574.	0.2	1	6	QUITOE	-259	-156	5
11	23	2	43	17.8	4.07	-78.36	1742	16576.	0.3	0	0	QUITOE	-258	-155	5
11	23	2	43	32.4	4.47	-77.81	1723	16792.	0.3	1	0	QUITOE	-260	-156	5
11	23	2	43	32.5	4.47	-77.81	1723	16789.	0.3	1	6	QUITOE	-264	-160	5
11	23	2	43	32.7	4.48	-77.80	1723	16788.	0.3	1	6	QUITOE	-269	-165	5
11	23	2	43	47.3	4.88	-77.25	1703	17014.	0.3	0	0	QUITOE	-266	-160	5
11	23	2	43	47.4	4.88	-77.25	1703	17016.	0.9	0	6	QUITOE	-264	-158	5
11	23	2	44	1.6	5.28	-76.70	1684	17236.	0.4	5	6	QUITOE	-265	-158	5
11	23	2	44	1.6	5.28	-76.70	1684	17235.	0.4	5	0	QUITOE	-266	-159	5
11	23	2	44	1.6	5.28	-76.70	1684	17235.	0.6	1	6	QUITOE	-266	-159	5
11	23	2	49	41.2	14.88	-62.48	1249	23083.	0.2	0	0	ANTGUA	-343	-173	5
11	23	2	49	49.1	15.11	-62.11	1240	23222.	0.5	0	0	ANTGUA	-347	-176	5
11	23	2	49	59.3	15.40	-61.63	1227	23400.	0.1	0	0	ANTGUA	-351	-178	5

TIME				POSITION			MEASURED		REMARKS				MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
11	23	2	50	9.9	15.70	-61.14	1215	23588.	0.2	0	0	ANTGUA	-349	-175	5
11	23	3	56	33.5	-29.82	137.05	3436	14494.	0.4	2	0	WOMERA	-145	156	6
11	23	7	13	34.7	21.27	-116.89	1004	27186.	0.1	0	0	NELCAL	-226	29	5
11	23	7	13	52.3	21.74	-115.94	985	27664.	0.	6	0	NELCAL	-237	24	5
11	23	7	14	3.9	22.04	-115.31	973	27987.	0.1	0	0	NELCAL	-240	26	5
11	23	7	14	14.7	22.33	-114.72	961	28286.	0.1	0	0	NELCAL	-247	22	5
11	23	7	23	4.1	32.65	-79.80	565	40787.	0.2	0	0	BPOINT	-157	102	5
11	23	7	23	18.9	32.79	-78.67	560	40898.	0.4	0	0	BPOINT	-155	103	5
11	23	7	23	34.2	32.91	-77.50	554	40991.	2.1	0	0	BPOINT	-151	104	5
11	23	7	23	49.1	33.02	-76.36	549	41054.	0.5	0	0	BPOINT	-156	95	5
11	23	8	48	53.2	-25.74	136.10	3397	14054.	0.	0	0	WOMERA	-123	176	5
11	23	8	49	2.5	-25.62	136.39	3391	14063.	0.1	0	0	WOMERA	-121	178	5
11	23	8	49	22.1	-25.36	137.00	3376	14072.	0.1	0	0	WOMERA	-126	172	5
11	23	8	49	32.6	-25.22	137.33	3369	14084.	0.	0	0	WOMERA	-121	176	5
11	23	9	31	47.3	31.75	-118.67	606	36849.	0.1	0	0	NELCAL	-469	76	5
11	23	9	32	17.5	32.12	-116.44	590	37587.	0.1	0	0	NELCAL	-475	86	5
11	23	9	32	45.8	32.44	-114.33	577	38251.	0.2	0	0	NELCAL	-471	90	5
11	23	11	49	2.3	32.67	-118.31	519	38806.	0.2	0	0	NELCAL	-516	101	5
11	23	11	49	32.3	32.37	-116.02	523	38923.	0.2	0	0	NELCAL	-507	97	5
11	23	11	50	2.2	32.02	-113.75	529	38981.	0.1	0	0	NELCAL	-489	84	5
11	23	11	50	24.4	31.73	-112.08	534	38981.	0.1	0	0	NELCAL	-473	66	5
11	23	12	4	43.7	9.63	-61.49	1228	21453.	0.2	0	0	ANTGUA	-330	-184	4
11	23	12	4	53.9	9.33	-61.04	1240	21204.	0.1	0	0	ANTGUA	-335	-192	4
11	23	14	20	15.5	-0.07	-80.80	1638	16351.	0.1	7	5	LIMAPU	-210	-115	4
11	23	14	20	15.6	-0.07	-80.79	1639	16350.	0.1	0	6	LIMAPU	-209	-114	4
11	23	14	20	15.7	-0.08	-80.79	1639	16349.	0.1	0	0	QUITOE	-208	-113	4
11	23	14	20	40.4	-0.77	-79.84	1671	15984.	0.7	5	0	LIMAPU	-213	-120	4
11	23	14	21	22.9	-1.95	-78.24	1728	15394.	0.2	0	5	QUITOE	-209	-118	4
11	23	14	21	22.9	-1.95	-78.24	1728	15392.	0.4	0	6	LIMAPU	-210	-120	4
11	23	14	21	23.0	-1.95	-78.24	1728	15390.	0.2	7	5	LIMAPU	-212	-121	4
11	23	14	21	43.4	-2.51	-77.47	1755	15107.	0.6	5	0	LIMAPU	-219	-130	4
11	23	14	22	1.8	-3.01	-76.79	1779	14867.	0.1	0	0	LIMAPU	-219	-130	4
11	23	14	22	2.0	-3.02	-76.78	1780	14869.	0.1	0	5	QUITOE	-213	-124	4
11	23	14	22	17.9	-3.45	-76.19	1801	14660.	0.8	0	0	QUITOE	-218	-130	4
11	23	16	47	23.1	-23.04	-78.07	2905	9518.	0.1	0	0	AGASTA	-136	-115	3
11	23	16	48	33.8	-24.14	-75.71	2978	9266.	0.1	2	7	AGASTA	-157	-135	3
11	23	16	49	2.3	-24.57	-74.76	3007	9192.	0.1	0	0	AGASTA	-144	-121	3
11	23	19	16	22.9	-33.29	-72.13	3692	8237.	0.5	0	7	SNTAGO	42	52	4
11	23	19	16	49.1	-33.34	-71.23	3700	8096.	0.4	2	7	SNTAGO	-62	-52	4
11	23	21	40	32.4	-30.72	-76.33	3687	8040.	0.5	0	7	SNTAGO	-58	-49	2
11	23	21	43	36.7	-29.11	-70.43	3616	7887.	0.5	0	7	SNTAGO	-90	-75	2
11	23	21	43	48.2	-28.99	-70.07	3611	7853.	0.6	0	7	SNTAGO	-119	-103	2
11	24	0	7	36.7	-17.33	-77.61	3006	9050.	0.3	5	7	AGASTA	-110	-78	3
11	24	0	8	6.6	-16.79	-76.71	2976	9083.	0.1	7	5	AGASTA	-138	-103	3
11	24	0	8	6.9	-16.78	-76.70	2976	9090.	0.1	0	0	LIMAPU	-131	-96	3
11	24	0	8	21.2	-16.52	-76.27	2961	9102.	0.2	7	5	AGASTA	-151	-115	3
11	24	0	8	21.4	-16.51	-76.27	2961	9119.	0.2	0	0	LIMAPU	-134	-97	3
11	24	1	22	14.8	-17.56	140.23	2509	17008.	0.4	0	0	WOMERA	-175	178	3
11	24	1	22	40.9	-18.08	141.12	2541	16914.	0.4	0	0	WOMERA	-171	177	3
11	24	1	23	1.4	-18.48	141.81	2565	16837.	0.1	0	0	WOMERA	-172	173	3
11	24	2	33	57.9	4.88	-79.03	1833	16272.	0.7	0	0	QUITOE	-192	-88	3
11	24	2	40	38.9	15.88	-62.67	1312	22888.	0.2	6	0	ANTGUA	-288	-118	3
11	24	2	40	57.6	16.40	-61.81	1289	23201.	0.3	6	0	ANTGUA	-301	-130	3
11	24	2	41	8.0	16.69	-61.32	1276	23414.	1.5	5	7	ANTGUA	-269	-96	3
11	24	3	46	46.1	-30.24	136.97	3369	14893.	0.1	0	0	WOMERA	-132	177	2
11	24	9	22	32.5	31.87	-119.91	641	36143.	0.2	4	0	NELCAL	-460	66	1
11	24	9	22	43.3	32.00	-119.12	635	36420.	1.0	2	0	NELCAL	-460	74	1
11	24	9	23	2.6	32.23	-117.71	624	36900.	0.3	4	0	NELCAL	-468	79	1
11	24	11	39	47.0	32.62	-119.72	513	38658.	0.1	0	0	NELCAL	-525	89	1
11	24	11	40	1.3	32.47	-118.62	514	38754.	0.4	0	0	NELCAL	-519	97	1
11	24	11	40	10.1	32.38	-117.95	514	38797.	0.7	0	0	NELCAL	-523	91	1
11	24	11	40	20.2	32.26	-117.18	515	38846.	0.1	0	0	NELCAL	-520	91	1
11	24	11	55	32.9	8.86	-62.18	1157	21907.	0.3	2	0	ANTGUA	-316	-165	1

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	24	14	11	59.2	-2.61	-79.12	1633	15880.	0.2	0	0	QUITOE	-180	-89	3
11	24	14	11	60.0	-2.63	-79.09	1634	15884.	0.2	0	5	LIMAPU	-164	-74	3
11	24	14	12	9.9	-2.91	-78.71	1647	15733.	0.2	0	0	QUITOE	-177	-87	3
11	24	14	12	10.0	-2.92	-78.70	1647	15727.	0.3	0	5	LIMAPU	-181	-91	3
11	24	14	12	46.8	-3.94	-77.30	1696	15225.	0.2	0	0	QUITOE	-185	-96	3
11	24	14	12	47.0	-3.94	-77.29	1696	15223.	0.2	0	5	LIMAPU	-184	-96	3
11	24	14	13	23.3	-4.94	-75.92	1744	14756.	0.4	0	5	AGASTA	-182	-95	3
11	24	14	13	23.4	-4.94	-75.92	1744	14753.	0.1	0	5	QUITOE	-183	-97	3
11	24	14	13	23.5	-4.95	-75.91	1744	14751.	0.1	0	0	LIMAPU	-184	-98	3
11	24	23	58	32.6	-15.91	-76.94	3057	8869.	0.2	0	0	LIMAPU	-126	-91	1
11	25	3	37	16.7	-30.77	137.51	3310	15257.	0.2	0	0	WOMERA	-139	176	1
11	25	3	37	31.0	-30.89	138.02	3321	15215.	0.1	0	0	WOMERA	-136	177	1
11	25	3	37	46.2	-31.01	138.55	3333	15168.	0.3	0	0	WOMERA	-137	173	1
11	25	3	38	0.9	-31.13	139.07	3344	15124.	0.3	0	0	WOMERA	-135	172	1
11	25	6	3	21.7	-32.87	138.36	3747	13570.	0.2	0	0	WOMERA	-104	169	2
11	25	6	4	1.6	-32.71	139.70	3751	13514.	0.1	0	0	WOMERA	-107	161	2
11	25	6	4	32.0	-32.58	140.71	3753	13475.	0.1	0	0	WOMERA	-107	159	2
11	25	6	55	41.1	23.13	-116.70	1104	26786.	0.3	0	0	NELCAL	-223	40	2
11	25	6	55	52.1	23.40	-116.11	1092	27068.	0.4	0	0	NELCAL	-238	30	2
11	25	6	56	6.5	23.75	-115.33	1075	27450.	0.4	0	0	NELCAL	-247	26	2
11	25	7	5	46.8	33.28	-76.84	589	40422.	0.1	1	5	BPOINT	-154	94	2
11	25	7	5	46.8	33.28	-76.83	589	40422.	0.1	0	0	FTMYRS	-154	94	2
11	25	7	5	55.8	33.32	-76.15	585	40469.	1.3	0	5	BPOINT	-156	90	2
11	25	7	5	55.8	33.32	-76.15	585	40467.	0.4	0	0	FTMYRS	-158	87	2
11	25	7	6	5.6	33.36	-75.40	580	40512.	0.8	0	5	BPOINT	-158	84	2
11	25	7	6	5.8	33.37	-75.38	580	40513.	0.2	0	0	FTMYRS	-158	84	2
11	25	8	27	23.1	-25.99	132.33	3583	13329.	0.1	0	0	WOMERA	-107	184	2
11	25	8	27	38.3	-25.80	132.79	3575	13329.	0.1	0	0	WOMERA	-108	182	2
11	25	8	27	58.6	-25.55	133.39	3565	13331.	0.2	6	0	WOMERA	-106	184	2
11	25	8	28	28.0	-25.17	134.27	3549	13330.	0.2	0	0	WOMERA	-107	181	2
11	25	9	13	56.9	32.42	-118.22	657	36370.	0.1	0	0	NELCAL	-462	72	3
11	25	9	14	7.8	32.53	-117.42	650	36645.	0.4	0	0	NELCAL	-460	79	3
11	25	9	14	18.1	32.63	-116.65	643	36896.	0.1	0	0	NELCAL	-463	79	3
11	25	11	31	3.1	32.21	-118.71	513	38619.	0.7	0	0	NELCAL	-528	81	3
11	25	11	31	15.6	32.06	-117.76	513	38698.	0.3	0	0	NELCAL	-523	85	3
11	25	11	31	26.3	31.93	-116.96	513	38752.	0.1	0	0	NELCAL	-522	82	3
11	25	11	31	34.0	31.82	-116.37	513	38788.	0.1	0	0	NELCAL	-519	80	3
11	25	11	46	24.1	8.05	-62.84	1091	22279.	0.2	0	0	ANTGUA	-335	-180	3
11	25	14	2	13.6	-2.59	-80.94	1510	16698.	0.2	0	7	QUITOE	-166	-75	3
11	25	14	2	37.9	-3.29	-79.97	1541	16344.	0.3	0	7	QUITOE	-166	-76	3
11	25	14	2	38.9	-3.32	-79.93	1543	16328.	0.2	0	0	LIMAPU	-167	-77	3
11	25	14	3	18.7	-4.46	-78.37	1595	15759.	0.1	0	7	QUITOE	-178	-90	3
11	26	2	22	44.1	18.18	-62.37	1427	22532.	0.1	0	0	ANTGUA	-280	-114	2
11	26	2	23	13.9	18.94	-61.00	1389	23011.	0.1	0	0	ANTGUA	-287	-119	2
11	26	3	28	32.9	-31.59	139.69	3285	15484.	0.2	0	0	WOMERA	-138	174	2
11	26	3	29	7.8	-31.83	140.95	3313	15360.	0.1	0	0	WOMERA	-138	167	2
11	26	3	29	48.1	-32.08	142.41	3344	15219.	0.1	0	0	WOMERA	-137	160	2
11	26	4	38	10.0	26.07	-78.71	1047	30443.	0.3	5	5	FTMYRS	-191	15	2
11	26	4	38	10.0	26.07	-78.71	1047	30437.	0.3	0	0	BPOINT	-196	10	2
11	26	4	38	10.1	26.07	-78.70	1047	30438.	0.5	0	6	FTMYRS	-197	9	2
11	26	4	38	20.6	26.30	-78.10	1036	30663.	0.2	0	0	BPOINT	-195	14	2
11	26	4	38	20.6	26.30	-78.10	1036	30665.	0.2	0	5	FTMYRS	-194	15	2
11	26	4	38	30.4	26.52	-77.53	1025	30877.	1.6	0	5	BPOINT	-187	25	2
11	26	4	38	30.7	26.52	-77.51	1025	30876.	0.1	6	0	FTMYRS	-196	16	2
11	26	4	38	40.6	26.74	-76.94	1014	31074.	0.3	0	0	FTMYRS	-200	14	2
11	26	4	38	40.7	26.74	-76.93	1014	31075.	0.4	0	5	BPOINT	-204	11	2
11	26	5	52	10.9	-32.97	135.85	3715	13739.	0.1	0	0	WOMERA	-109	173	2
11	26	6	46	50.3	24.20	-116.15	1149	26702.	0.2	0	0	NELCAL	-256	14	3
11	26	6	47	1.8	24.47	-115.53	1136	27011.	0.1	0	0	NELCAL	-250	23	3
11	26	6	47	14.2	24.75	-114.86	1121	27331.	0.2	0	0	NELCAL	-261	17	3
11	26	6	56	34.7	33.33	-77.82	621	39904.	0.2	0	5	BPOINT	-160	88	3
11	26	6	56	34.7	33.33	-77.82	621	39904.	0.2	0	0	FTMYRS	-160	88	3
11	26	6	56	43.7	33.37	-77.14	616	39979.	0.6	0	5	BPOINT	-151	96	3
11	26	6	56	43.9	33.37	-77.12	615	39980.	0.3	0	0	FTMYRS	-151	95	3
11	26	6	56	53.6	33.40	-76.39	610	40031.	1.6	0	5	BPOINT	-163	81	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	26	6	56	53.7	33.40	-76.38	610	40033.	0.3	0	0	FTMYRS	-162	82	3
11	26	8	19	49.6	-23.59	136.17	3562	12997.	0.1	1	0	WOMERA	-110	167	3
11	26	8	19	59.0	-23.46	136.44	3557	12989.	0.1	0	0	WOMERA	-115	161	3
11	26	8	20	19.3	-23.18	137.02	3546	12986.	0.1	0	0	WOMERA	-110	165	3
11	26	11	21	47.3	32.14	-120.13	518	38291.	0.3	0	0	NELCAL	-520	77	4
11	26	11	22	17.8	31.74	-117.81	514	38513.	0.1	0	0	NELCAL	-515	83	4
11	26	11	22	52.1	31.25	-115.25	513	38691.	0.2	0	0	NELCAL	-500	77	4
11	26	11	23	23.4	30.75	-112.93	513	38780.	0.1	0	0	NELCAL	-482	56	4
11	26	11	37	42.5	6.37	-62.28	1058	21988.	0.5	0	0	ANTGUA	-319	-168	4
11	26	11	37	53.0	6.03	-61.79	1070	21735.	0.1	0	0	ANTGUA	-310	-162	4
11	26	13	52	2.4	-1.73	-83.93	1357	17958.	0.1	0	7	QUITOE	-159	-65	3
11	26	13	54	3.8	-5.31	-78.98	1513	16131.	0.3	0	7	QUITOE	-176	-89	3
11	26	13	54	4.1	-5.32	-78.96	1514	16118.	0.2	0	0	LIMAPU	-185	-97	3
11	26	13	54	32.5	-6.14	-77.83	1551	15741.	0.1	0	7	QUITOE	-174	-87	3
11	26	17	13	49.1	-9.06	28.50	2926	10127.	0.5	7	0	JOBURG	-48	-145	2
11	26	23	38	30.5	-15.00	-78.77	3253	8380.	0.1	0	0	LIMAPU	-133	-99	3
11	26	23	38	48.3	-14.68	-78.28	3238	8402.	0.3	6	6	LIMAPU	-142	-107	3
11	26	23	38	48.9	-14.67	-78.27	3237	8405.	0.1	6	0	LIMAPU	-140	-105	3
11	26	23	40	20.5	-13.00	-75.75	3157	8626.	0.1	0	7	AGASTA	-113	-72	3
11	26	23	40	21.1	-12.98	-75.73	3157	8601.	0.1	0	0	LIMAPU	-139	-98	3
11	27	2	5	12.8	6.43	-82.13	2161	14766.	0.1	0	0	QUITOE	-162	-60	4
11	27	2	5	42.1	7.15	-81.13	2123	15131.	0.1	0	0	QUITOE	-163	-60	4
11	27	2	13	43.3	19.23	-62.27	1490	22287.	0.1	4	0	ANTGUA	-266	-102	4
11	27	2	13	53.5	19.49	-61.80	1477	22453.	0.1	4	0	ANTGUA	-261	-97	4
11	27	4	29	12.3	26.85	-78.47	1099	30051.	0.3	7	6	BPOINT	-174	31	2
11	27	4	29	12.6	26.85	-78.46	1099	30051.	0.2	0	5	BPOINT	-178	27	2
11	27	4	29	13.0	26.86	-78.43	1099	30059.	0.1	6	0	FTMYRS	-181	25	2
11	27	4	29	13.2	26.86	-78.42	1098	30062.	0.1	0	6	FTMYRS	-180	25	2
11	27	4	29	22.4	27.05	-77.90	1088	30246.	0.4	7	5	FTMYRS	-185	22	2
11	27	4	29	22.4	27.05	-77.89	1088	30246.	0.4	7	0	BPOINT	-186	22	2
11	27	4	29	32.7	27.27	-77.30	1076	30457.	0.3	7	5	BPOINT	-184	26	2
11	27	4	29	32.9	27.27	-77.28	1076	30464.	0.	6	0	FTMYRS	-182	28	2
11	27	4	29	43.0	27.48	-76.70	1065	30663.	0.1	6	6	FTMYRS	-184	28	2
11	27	4	29	43.3	27.48	-76.68	1064	30667.	0.1	0	0	FTMYRS	-185	27	2
11	27	6	37	36.1	24.71	-116.79	1224	26039.	0.4	0	0	NELCAL	-234	32	3
11	27	6	37	45.3	24.91	-116.30	1213	26276.	0.2	0	0	NELCAL	-233	37	3
11	27	6	38	1.8	25.28	-115.42	1193	26688.	0.2	0	0	NELCAL	-245	30	3
11	27	6	47	34.0	33.42	-77.90	650	39370.	0.3	0	7	FTMYRS	-182	63	3
11	27	6	47	34.4	33.42	-77.88	650	39397.	0.2	0	0	BPOINT	-158	87	3
11	27	6	47	44.4	33.44	-77.12	644	39483.	0.4	0	5	BPOINT	-151	93	3
11	27	6	47	44.9	33.44	-77.08	643	39483.	0.1	0	0	FTMYRS	-156	88	3
11	27	6	47	54.5	33.46	-76.36	638	39547.	0.1	0	0	FTMYRS	-159	82	3
11	27	7	18	43.5	-12.68	28.57	1779	15454.	0.2	7	0	JOBURG	-49	-232	3
11	27	7	18	43.7	-12.68	28.58	1779	15452.	0.1	4	6	JOBURG	-50	-233	3
11	27	7	18	58.5	-13.06	29.16	1799	15394.	0.1	7	0	JOBURG	-50	-231	3
11	27	7	18	58.6	-13.06	29.16	1799	15391.	0.1	0	6	JOBURG	-53	-234	3
11	27	8	9	59.3	-22.92	135.97	3610	12698.	0.	0	0	WOMERA	-111	161	3
11	27	8	10	9.7	-22.77	136.27	3605	12689.	0.1	0	0	WOMERA	-112	159	3
11	27	8	10	34.6	-22.42	136.96	3593	12675.	0.1	1	0	WOMERA	-109	160	3
11	27	8	10	45.2	-22.27	137.26	3588	12664.	0.1	0	0	WOMERA	-113	156	3
11	27	8	55	4.2	32.42	-121.99	768	34144.	0.2	0	0	NELCAL	-417	55	3
11	27	8	55	35.4	32.71	-119.76	742	34940.	0.1	0	0	NELCAL	-429	66	3
11	27	8	56	9.8	32.98	-117.28	716	35799.	0.1	0	0	NELCAL	-432	81	3
11	27	8	56	49.6	33.22	-114.35	687	36743.	0.1	0	0	NELCAL	-440	75	3
11	27	9	8	53.3	24.03	-61.52	561	35345.	0.2	0	0	ANTGUA	-359	-21	2
11	27	9	9	13.7	23.46	-60.22	569	34753.	0.1	0	0	ANTGUA	-380	-54	2
11	27	11	13	4.3	31.63	-119.06	522	38132.	0.3	0	0	NELCAL	-512	74	2
11	27	11	13	35.3	31.17	-116.74	518	38343.	0.1	0	0	NELCAL	-506	73	2
11	27	11	14	3.8	30.71	-114.64	515	38483.	0.2	0	0	NELCAL	-492	63	2
11	27	11	14	40.0	30.07	-111.99	513	38578.	0.2	0	0	NELCAL	-470	34	2
11	27	13	45	7.0	-6.66	-78.89	1455	16264.	0.1	0	0	QUITOE	-187	-101	2
11	27	13	45	21.0	-7.06	-78.32	1473	16076.	0.1	0	0	QUITOE	-185	-99	2
11	27	13	46	4.3	-8.30	-76.56	1530	15495.	0.1	0	0	QUITOE	-198	-112	2
11	27	13	46	33.0	-9.10	-75.40	1567	15139.	0.2	0	0	AGASTA	-195	-109	2
11	27	13	46	54.9	-9.71	-74.52	1596	14873.	0.1	0	0	QUITOE	-197	-111	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	27	13	46	55.3	-9.72	-74.50	1597	14871.	0.2	0	5	AGASTA	-194	-108	2
11	27	14	34	12.6	-27.13	27.70	3731	9056.	0.1	4	7	JOBURG	-50	-164	2
11	27	14	34	27.7	-26.96	28.15	3728	9045.	0.4	6	7	JOBURG	-72	-185	2
11	27	14	34	57.9	-26.62	29.04	3722	8321.	0.3	0	7	JOBURG	-816	-927	2
11	27	16	9	56.5	-26.34	-77.19	2593	10709.	0.5	0	5	SNTAGO	-144	-124	2
11	27	16	9	56.7	-26.34	-77.18	2594	10717.	0.1	0	0	AGASTA	-134	-114	2
11	27	21	0	31.3	-29.28	-77.22	3753	7803.	0.3	5	7	AGASTA	-52	-43	5
11	27	21	3	38.9	-27.38	-71.55	3741	7544.	0.3	0	0	SNTAGO	-63	-48	5
11	27	21	3	39.0	-27.37	-71.55	3741	7531.	0.1	0	7	AGASTA	-77	-62	5
11	27	23	28	37.1	-14.34	-79.38	3333	8380.	0.3	0	7	LIMAPU	57	91	5
11	27	23	29	21.7	-13.55	-78.18	3298	8471.	0.3	0	7	LIMAPU	71	108	5
11	28	0	43	9.4	-18.89	135.64	2029	20789.	0.1	0	0	WOMERA	-205	248	6
11	28	0	43	9.5	-18.89	135.65	2029	20787.	0.2	0	6	WOMERA	-206	247	6
11	28	0	43	53.9	-19.85	137.38	2087	20542.	0.1	0	0	WOMERA	-206	234	6
11	28	0	43	53.9	-19.85	137.38	2087	20542.	0.3	0	6	WOMERA	-205	234	6
11	28	0	44	9.0	-20.16	137.97	2107	20458.	0.3	0	0	WOMERA	-204	231	6
11	28	2	4	33.0	20.07	-62.52	1566	21895.	0.2	0	0	ANTGUA	-252	-93	6
11	28	2	4	43.9	20.33	-62.02	1552	22061.	0.1	0	0	ANTGUA	-252	-93	6
11	28	3	7	17.9	-31.42	135.59	3023	16870.	0.4	5	0	WOMERA	-198	158	8
11	28	3	7	28.4	-31.50	136.00	3033	16806.	0.2	0	6	WOMERA	-212	142	8
11	28	3	7	28.4	-31.50	136.00	3033	16805.	0.1	0	6	WOMERA	-213	141	8
11	28	3	7	28.6	-31.50	136.01	3033	16804.	0.1	0	0	WOMERA	-213	140	8
11	28	3	7	58.3	-31.72	137.14	3062	16666.	0.3	0	6	WOMERA	-210	136	8
11	28	3	7	58.5	-31.73	137.15	3063	16664.	0.2	0	0	WOMERA	-210	136	8
11	28	3	7	58.5	-31.73	137.15	3063	16661.	0.5	0	6	WOMERA	-214	132	8
11	28	5	33	7.9	-32.38	137.48	3666	13852.	0.1	0	0	WOMERA	-112	170	8
11	28	5	33	17.3	-32.33	137.80	3670	13821.	0.1	0	0	WOMERA	-118	162	8
11	28	6	28	44.1	25.71	-116.16	1272	25790.	0.1	7	7	NELCAL	-374	-104	7
11	28	6	28	49.1	25.82	-115.89	1266	25790.	0.1	7	7	NELCAL	-499	-228	7
11	28	6	28	53.9	25.92	-115.64	1260	26036.	0.1	7	7	NELCAL	-374	-101	7
11	28	6	28	58.9	26.03	-115.37	1254	26036.	0.1	7	7	NELCAL	-500	-225	7
11	28	6	29	9.1	26.24	-114.81	1242	26419.	0.1	7	7	NELCAL	-375	-97	7
11	28	6	29	14.1	26.34	-114.54	1236	26419.	0.1	7	7	NELCAL	-501	-222	7
11	28	6	38	31.9	33.47	-78.03	684	38788.	0.4	4	5	FTMYRS	-184	59	7
11	28	6	38	32.5	33.47	-77.98	683	38799.	0.2	0	0	BPOINT	-179	64	7
11	28	6	38	43.6	33.49	-77.16	676	38888.	0.3	4	0	FTMYRS	-185	57	7
11	28	6	38	43.8	33.49	-77.14	676	38891.	0.5	0	5	BPOINT	-184	58	7
11	28	6	38	52.1	33.49	-76.52	670	38956.	0.8	0	5	BPOINT	-183	56	7
11	28	6	38	52.6	33.49	-76.48	670	38958.	0.1	4	0	FTMYRS	-186	54	7
11	28	8	0	21.6	-22.04	136.14	3645	12404.	0.	0	0	WOMERA	-124	142	7
11	28	8	0	32.4	-21.89	136.44	3641	12394.	0.1	0	6	WOMERA	-123	142	7
11	28	8	0	32.5	-21.89	136.44	3641	12396.	0.1	0	0	WOMERA	-121	144	7
11	28	8	0	51.7	-21.61	136.97	3633	12373.	0.1	0	0	WOMERA	-124	140	7
11	28	8	1	2.0	-21.46	137.25	3629	12365.	0.1	0	6	WOMERA	-123	140	7
11	28	8	1	2.3	-21.46	137.26	3629	12365.	0.	0	0	WOMERA	-122	141	7
11	28	8	48	4.8	33.40	-113.17	711	36561.	0.9	0	0	NELCAL	-439	56	7
11	28	8	59	44.6	23.63	-62.48	541	35626.	1.0	4	7	FTMYRS	-365	-10	7
11	28	8	59	54.6	23.35	-61.85	544	35347.	0.9	0	0	ANTGUA	-378	-27	7
11	28	8	59	55.1	23.33	-61.81	545	35339.	0.4	4	7	FTMYRS	-372	-22	7
11	28	9	0	4.6	23.06	-61.21	548	35067.	0.7	1	0	FTMYRS	-387	-41	7
11	28	9	33	2.9	-28.96	27.30	2720	12287.	0.1	7	0	JOBURG	-125	-302	7
11	28	9	33	3.3	-28.97	27.32	2720	12289.	0.1	4	6	JOBURG	-122	-299	7
11	28	9	33	18.1	-29.14	27.90	2737	12270.	0.3	7	0	JOBURG	-120	-297	7
11	28	9	33	18.5	-29.15	27.91	2737	12269.	0.1	4	6	JOBURG	-121	-298	7
11	28	9	33	32.9	-29.31	28.47	2754	12254.	0.2	7	0	JOBURG	-117	-293	7
11	28	9	33	33.2	-29.32	28.48	2754	12252.	0.1	4	6	JOBURG	-118	-295	7
11	28	9	33	48.2	-29.49	29.07	2771	12232.	0.1	7	0	JOBURG	-118	-294	7
11	28	9	33	48.4	-29.49	29.07	2771	12230.	0.	4	6	JOBURG	-121	-296	7
11	28	11	4	5.3	31.28	-119.18	532	37759.	0.3	0	0	NELCAL	-526	44	7
11	28	11	4	5.4	31.28	-119.18	532	37761.	0.8	0	6	NELCAL	-525	46	7
11	28	11	5	5.4	30.30	-114.77	520	38143.	0.5	0	6	NELCAL	-509	30	7
11	28	11	5	5.7	30.29	-114.74	520	38146.	0.3	0	0	NELCAL	-507	32	7
11	28	13	36	44.4	-8.97	-77.39	1443	15899.	0.9	2	7	LIMAPU	-261	-175	4
11	28	13	36	55.3	-9.28	-76.93	1457	15769.	1.4	0	6	LIMAPU	-249	-164	4
11	28	13	36	55.4	-9.29	-76.93	1457	15782.	0.3	2	5	QUITOE	-235	-149	4

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
11	28	13	36	55.9	-9.30	-76.91	1458	15774.	0.1	0	0	LIMAPU	-237	-151	4
11	28	13	37	5.3	-9.57	-76.52	1470	15775.	0.8	5	7	AGASTA	-117	-31	4
11	28	13	37	9.4	-9.68	-76.[illegible]	1475	15610.	0.1	0	6	LIMAPU	-230	-145	4
11	28	13	37	9.7	-9.69	-76.34	1475	15603.	0.3	0	5	QUITOE	-233	-148	4
11	28	13	37	9.7	-9.69	-76.34	1475	15607.	0.1	0	0	LIMAPU	-229	-143	4
11	28	13	37	20.4	-10.00	-75.89	1489	15460.	0.9	0	5	QUITOE	-242	-157	4
11	28	13	37	20.6	-10.00	-75.89	1489	15460.	0.1	0	6	LIMAPU	-241	-155	4
11	28	13	37	20.8	-10.01	-75.88	1490	15456.	0.1	0	0	LIMAPU	-241	-155	4
11	28	13	37	21.5	-10.03	-75.85	1491	15461.	0.2	0	5	AGASTA	-227	-142	4
11	28	14	24	17.5	-26.59	27.57	3745	8941.	0.1	4	6	JOBURG	-82	-194	4
11	28	14	24	17.8	-26.58	27.58	3745	8942.	0.3	7	0	JOBURG	-82	-194	4
11	28	14	24	32.5	-26.41	28.01	3743	8942.	0.4	7	0	JOBURG	-87	-198	4
11	28	14	24	47.5	-26.24	28.44	3741	8962.	0.1	0	7	JOBURG	-74	-184	4
11	28	16	1	29.7	-27.82	-74.85	2577	11166.	0.5	0	7	SNTAGO	229	252	4
11	28	16	3	7.8	-29.07	-70.99	2692	10347.	0.1	0	0	AGASTA	-163	-136	4
11	28	16	3	36.4	-29.40	-69.87	2725	10247.	0.5	2	5	AGASTA	-146	-119	4
11	28	16	3	36.5	-29.40	-69.86	2725	10256.	0.6	0	7	LIMAPU	-138	-110	4
11	28	16	3	36.8	-29.41	-69.85	2725	10238.	0.3	2	0	SNTAGO	-154	-126	4
11	28	16	4	43.9	-30.13	-67.22	2800	9975.	0.2	5	0	AGASTA	-158	-130	4
11	28	18	27	8.6	-33.42	-71.61	3454	8596.	0.2	4	0	SNTAGO	-171	-159	4
11	28	18	27	8.7	-33.42	-71.61	3454	8597.	0.3	0	5	AGASTA	-170	-158	4
11	28	20	54	47.7	-26.10	-69.81	3745	7954.	0.5	0	7	LIMAPU	470	487	4
11	28	20	55	0.9	-25.94	-69.43	3743	7468.	0.3	0	7	AGASTA	-2	16	4
11	28	20	56	0.2	-25.22	-67.73	3735	7938.	0.3	0	7	LIMAPU	523	542	4
11	28	23	20	13.6	-12.05	-77.59	3341	8198.	0.4	2	7	LIMAPU	-120	-80	4
11	28	23	20	23.3	-11.87	-77.33	3333	8864.	0.5	0	7	LIMAPU	526	567	4
11	28	23	20	33.7	-11.68	-77.06	3325	8201.	0.2	2	7	LIMAPU	-158	-117	4
11	28	23	20	43.9	-11.50	-76.80	3317	8234.	0.2	2	7	LIMAPU	-147	-105	4
11	28	23	20	56.4	-11.27	-76.47	3308	7701.	0.3	7	7	AGASTA	-708	-665	4
11	28	23	20	57.2	-11.25	-76.45	3307	8251.	0.4	2	7	LIMAPU	-160	-118	4
11	29	0	34	1.2	-19.93	135.78	1955	21641.	0.5	0	0	WOMERA	-237	235	4
11	29	0	34	51.7	-21.00	137.82	2022	21343.	0.3	0	0	WOMERA	-228	227	4
11	29	0	35	11.5	-21.41	138.62	2048	21222.	0.1	0	0	WOMERA	-227	222	4
11	29	1	55	27.9	21.04	-62.45	1635	21568.	0.2	0	0	ANTGUA	-254	-99	4
11	29	1	55	57.8	21.72	-61.10	1596	21995.	0.2	0	0	ANTGUA	-261	-106	4
11	29	2	57	20.5	-31.61	134.88	2916	17586.	0.1	6	0	WOMERA	-150	223	4
11	29	2	57	20.7	-31.61	134.89	2916	17586.	0.1	0	6	WOMERA	-149	224	4
11	29	2	58	0.9	-31.90	136.47	2958	17369.	0.3	0	0	WOMERA	-149	213	4
11	29	2	58	31.3	-32.11	137.67	2989	17187.	0.1	0	0	WOMERA	-169	185	4
11	29	2	59	1.4	-32.29	138.84	3019	17049.	0.1	0	0	WOMERA	-147	199	4
11	29	4	11	2.7	28.08	-78.55	1223	28937.	0.5	0	5	BPOINT	-154	46	3
11	29	4	11	3.3	28.09	-78.52	1222	28929.	1.0	0	6	FTMYRS	-174	27	3
11	29	4	11	3.5	28.10	-78.51	1222	28934.	0.4	2	0	FTMYRS	-172	28	3
11	29	4	11	18.2	28.37	-77.67	1205	29216.	0.3	0	0	FTMYRS	-171	32	3
11	29	4	11	18.2	28.37	-77.67	1204	29219.	0.5	0	5	BPOINT	-170	33	3
11	29	4	11	33.7	28.65	-76.78	1186	29505.	0.1	0	5	FTMYRS	-175	30	3
11	29	4	11	33.8	28.65	-76.77	1186	29508.	0.1	0	0	BPOINT	-174	30	3
11	29	4	11	49.2	28.92	-75.88	1168	29788.	0.2	0	5	BPOINT	-178	28	3
11	29	4	11	49.2	28.92	-75.88	1168	29788.	0.1	0	0	FTMYRS	-179	28	3
11	29	5	23	6.0	-32.18	137.23	3622	14030.	0.	0	0	WOMERA	-102	184	3
11	29	5	23	20.9	-32.09	137.74	3629	13984.	0.1	0	0	WOMERA	-102	182	3
11	29	5	24	0.1	-31.86	139.06	3645	13863.	0.2	0	0	WOMERA	-104	174	3
11	29	5	24	15.4	-31.77	139.57	3651	13814.	0.2	0	0	WOMERA	-106	170	3
11	29	6	28	60.0	33.46	-80.29	744	37878.	0.3	0	5	FTMYRS	-146	97	2
11	29	6	29	0.1	33.46	-80.28	743	37875.	0.3	0	6	FTMYRS	-150	92	2
11	29	6	29	0.3	33.46	-80.27	743	37880.	0.2	6	0	BPOINT	-148	95	2
11	29	6	29	10.4	33.48	-79.52	735	37987.	0.2	5	5	BPOINT	-155	86	2
11	29	6	29	10.6	33.48	-79.51	735	37991.	0.2	0	0	FTMYRS	-153	89	2
11	29	6	29	21.0	33.49	-78.75	727	38104.	0.1	0	0	FTMYRS	-150	91	2
11	29	6	29	21.2	33.49	-78.73	727	38100.	0.2	0	5	BPOINT	-157	85	2
11	29	6	29	31.7	33.50	-77.95	719	38210.	0.6	0	0	FTMYRS	-150	90	2
11	29	7	49	23.1	-22.28	134.12	3701	12256.	0.1	0	0	WOMERA	-117	150	2
11	29	7	49	57.8	-21.79	135.07	3691	12209.	0.2	0	0	WOMERA	-117	147	2
11	29	7	50	34.2	-21.27	136.05	3679	12161.	0.1	0	0	WOMERA	-117	144	2
11	29	7	51	3.1	-20.85	136.83	3669	12122.	0.	0	0	WOMERA	-118	140	2
11	29	7	51	42.1	-20.28	137.87	3655	12061.	0.2	0	0	WOMERA	-128	127	2
11	29	8	37	35.1	33.11	-119.51	824	33910.	0.1	0	0	NELCAL	-402	65	2

TIME				POSITION			MEASURED		REMARKS			MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
11	29	8	38	4.4	33.27	-117.42	798	34620.	0.1	0	0	NELCAL	-409	71	2
11	29	8	38	35.9	33.39	-115.15	771	35370.	0.1	0	0	NELCAL	-407	78	2
11	29	8	39	4.4	33.46	-113.07	748	36015.	0.1	0	0	NELCAL	-410	69	2
11	29	8	50	51.0	22.78	-62.50	530	35453.	0.6	0	0	ANTGUA	-358	6	2
11	29	8	51	2.3	22.45	-61.79	533	35136.	0.4	0	0	ANTGUA	-379	-22	2
11	29	8	51	12.5	22.14	-61.14	535	34850.	0.2	0	0	ANTGUA	-393	-42	2
11	29	9	23	33.4	-29.48	27.36	2631	12689.	0.1	7	0	JOBURG	-115	-301	4
11	29	9	24	3.1	-29.81	28.56	2666	12644.	0.2	7	0	JOBURG	-113	-299	4
11	29	10	55	20.0	30.69	-118.30	541	37484.	0.3	0	0	NELCAL	-490	60	4
11	29	10	55	49.7	30.17	-116.13	533	37693.	0.4	0	0	NELCAL	-480	56	4
11	29	10	56	22.1	29.56	-113.80	526	37851.	0.3	0	0	NELCAL	-471	32	4
11	29	10	56	50.0	28.99	-111.81	521	37944.	0.7	0	0	NELCAL	-444	18	4
11	29	13	25	57.0	-6.99	-82.05	1248	17643.	0.1	0	0	LIMAPU	-221	-139	3
11	29	13	26	6.7	-7.28	-81.63	1260	17504.	0.1	0	0	LIMAPU	-220	-137	3
11	29	15	53	42.3	-29.62	-70.78	2607	10668.	0.2	0	0	AGASTA	-168	-139	3
11	29	15	54	12.0	-29.95	-69.58	2642	10547.	0.4	2	5	LIMAPU	-158	-128	3
11	29	15	54	12.3	-29.95	-69.56	2642	10537.	0.2	0	0	AGASTA	-166	-136	3
11	29	23	10	54.2	-10.72	-77.29	3389	8115.	0.2	0	0	LIMAPU	-120	-78	2
11	30	0	24	41.3	-20.67	135.42	1866	22638.	0.1	0	0	WOMERA	-231	265	3
11	30	0	24	51.8	-20.90	135.86	1880	22566.	0.4	0	0	WOMERA	-234	258	3
11	30	0	25	22.1	-21.55	137.13	1921	22367.	0.3	0	0	WOMERA	-233	248	3
11	30	0	25	31.5	-21.74	137.52	1933	22304.	0.4	0	0	WOMERA	-233	244	3
11	30	1	38	45.4	11.60	-79.94	2303	15133.	0.3	0	0	QUITOE	-172	-63	3
11	30	1	39	41.0	12.88	-78.04	2232	15809.	0.1	0	0	QUITOE	-177	-64	3
11	30	1	40	14.3	13.64	-76.88	2189	16221.	0.1	0	0	QUITOE	-187	-71	3
11	30	1	46	42.7	22.44	-61.41	1678	21533.	0.6	6	0	ANTGUA	-240	-89	3
11	30	2	49	40.8	-32.64	139.63	2951	17491.	0.2	0	0	WOMERA	-153	198	3
11	30	2	50	0.9	-32.74	140.44	2971	17377.	0.1	0	0	WOMERA	-149	197	3
11	30	2	50	21.3	-32.83	141.25	2992	17256.	0.2	0	0	WOMERA	-150	190	3
11	30	4	2	2.8	28.77	-78.19	1281	28439.	1.3	0	5	BPOINT	-165	33	2
11	30	4	2	3.6	28.79	-78.14	1280	28444.	0.1	6	0	FTMYRS	-175	22	2
11	30	4	2	17.7	29.03	-77.34	1263	28706.	0.3	5	5	BPOINT	-172	27	2
11	30	4	2	18.1	29.03	-77.32	1262	28710.	0.2	0	0	FTMYRS	-176	24	2
11	30	4	2	33.6	29.29	-76.43	1243	28989.	0.1	0	5	FTMYRS	-175	26	2
11	30	4	2	34.6	29.31	-76.37	1242	28991.	0.1	5	0	BPOINT	-192	9	2
11	30	4	2	48.7	29.54	-75.56	1225	29257.	0.1	0	5	FTMYRS	-175	27	2
11	30	4	2	49.6	29.55	-75.50	1224	29257.	0.1	0	0	BPOINT	-192	10	2
11	30	5	12	0.2	-32.32	134.74	3536	14454.	0.1	0	0	WOMERA	-114	188	2
11	30	5	13	20.6	-31.86	137.51	3579	14168.	0.1	0	0	WOMERA	-113	176	2
11	30	5	13	50.5	-31.67	138.52	3593	14063.	0.1	0	0	WOMERA	-113	171	2
11	30	5	14	20.6	-31.47	139.53	3607	13957.	0.1	0	0	WOMERA	-114	166	2
11	30	6	9	39.8	26.08	-118.83	1473	23841.	0.2	0	0	NELCAL	-216	33	5
11	30	6	10	39.3	27.23	-115.74	1397	25187.	0.1	0	0	NELCAL	-230	37	5
11	30	6	10	53.4	27.49	-115.00	1379	25513.	0.1	0	0	NELCAL	-232	39	5
11	30	6	20	29.0	33.49	-78.01	758	37529.	0.1	0	0	BPOINT	-147	91	5
11	30	6	20	29.6	33.49	-77.97	758	37533.	0.2	0	5	FTMYRS	-149	88	5
11	30	6	20	38.8	33.48	-77.30	751	37614.	0.5	0	7	FTMYRS	-155	81	5
11	30	6	20	39.3	33.48	-77.26	750	37623.	0.1	0	0	BPOINT	-151	85	5
11	30	6	20	49.0	33.47	-76.55	742	37709.	0.2	0	5	FTMYRS	-152	83	5
11	30	6	20	49.2	33.46	-76.53	742	37713.	0.1	0	0	BPOINT	-149	85	5
11	30	7	40	13.6	-20.96	135.08	3714	11994.	0.1	0	0	WOMERA	-113	146	5
11	30	7	40	39.3	-20.58	135.76	3708	11958.	0.1	0	0	WOMERA	-107	150	5
11	30	7	41	28.2	-19.86	137.05	3695	11876.	0.1	0	0	WOMERA	-111	142	5
11	30	7	41	42.7	-19.64	137.44	3690	11853.	0.1	0	0	WOMERA	-111	141	5
11	30	8	29	57.2	33.49	-113.42	794	35266.	0.3	0	0	NELCAL	-396	68	5
11	30	8	30	14.3	33.50	-112.19	779	35641.	0.1	0	0	NELCAL	-396	62	5
11	30	8	30	29.2	33.49	-111.11	766	35960.	0.2	0	0	NELCAL	-394	57	5
11	30	10	46	40.4	29.91	-117.01	550	37165.	0.2	0	0	NELCAL	-470	51	6
11	30	10	47	19.0	29.16	-114.26	538	37398.	0.6	0	0	NELCAL	-451	37	6
11	30	13	18	18.4	-10.61	-78.60	1291	16747.	0.1	0	6	LIMAPU	-229	-146	5
11	30	13	18	18.4	-10.61	-78.60	1291	16747.	0.1	0	0	LIMAPU	-229	-145	5
11	30	13	18	33.8	-11.06	-77.92	1310	16542.	0.1	0	0	LIMAPU	-233	-149	5
11	30	13	18	48.7	-11.50	-77.27	1329	16341.	0.2	5	5	AGASTA	-244	-159	5
11	30	13	18	49.3	-11.51	-77.24	1329	16343.	0.1	0	0	LIMAPU	-234	-149	5

TIME					POSITION			MEASURED				REMARKS		MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
11	30	13	19	4.5	-11.96	-76.58	1349	16161.	0.3	0	5	QUITOE		-225	-139	5
11	30	13	19	4.9	-11.96	-76.56	1349	16150.	0.1	0	5	AGASTA		-232	-146	5
11	30	13	19	5.1	-11.97	-76.55	1349	16146.	0.1	0	0	LIMAPU		-234	-148	5
11	30	15	41	17.9	-27.86	-78.14	2297	11930.	0.4	0	6	AGASTA		-208	-192	6
11	30	15	41	18.1	-27.86	-78.14	2297	11935.	0.2	6	0	AGASTA		-203	-187	6
11	30	15	41	32.6	-28.07	-77.52	2316	11856.	0.4	0	6	AGASTA		-197	-179	6
11	30	15	41	32.7	-28.07	-77.52	2316	11852.	0.2	0	0	AGASTA		-200	-182	6
11	30	15	41	43.3	-28.22	-77.07	2329	11783.	0.3	5	5	AGASTA		-209	-190	6
11	30	15	41	43.3	-28.22	-77.07	2330	11786.	0.3	0	6	AGASTA		-205	-187	6
11	30	15	41	43.7	-28.23	-77.06	2330	11783.	0.2	2	0	LIMAPU		-206	-187	6
11	30	15	41	53.4	-28.36	-76.65	2342	11731.	0.1	0	0	SNTAGO		-203	-184	6
11	30	15	41	53.4	-28.36	-76.65	2342	11728.	0.2	0	5	AGASTA		-206	-186	6
11	30	15	43	10.6	-29.36	-73.39	2439	11311.	0.1	0	0	AGASTA		-203	-176	6
11	30	15	43	37.3	-29.68	-72.27	2472	11166.	0.1	5	0	AGASTA		-210	-182	6
11	30	15	44	31.7	-30.29	-69.98	2538	10907.	0.1	5	0	AGASTA		-199	-169	6
11	30	15	44	50.6	-30.48	-69.19	2561	10813.	0.1	3	0	AGASTA		-204	-172	6
11	30	18	4	58.5	-33.46	-77.33	3189	9535.	0.2	0	0	AGASTA		-142	-135	4
11	30	18	5	13.7	-33.46	-76.74	3202	9460.	0.2	0	0	AGASTA		-156	-149	4
11	30	18	5	28.8	-33.45	-76.16	3215	9593.	0.3	0	7	AGASTA		36	45	4
11	30	23	1	16.3	-9.69	-77.44	3447	8024.	0.7	2	0	LIMAPU		-114	-70	5
11	30	23	1	31.7	-9.41	-77.06	3437	8152.	0.4	0	7	LIMAPU		-18	27	5
12	1	0	15	43.7	-21.86	135.99	1807	23501.	0.1	0	0	WOMERA		-239	273	5
12	1	0	16	13.0	-22.48	137.26	1846	23290.	0.1	0	0	WOMERA		-240	260	5
12	1	0	16	22.7	-22.68	137.67	1859	23228.	0.2	0	0	WOMERA		-232	264	5
12	1	1	37	2.9	22.66	-62.73	1794	20744.	0.7	6	0	ANTGUA		-226	-80	5
12	1	1	37	13.1	22.87	-62.28	1780	20878.	0.4	6	0	ANTGUA		-228	-82	5
12	1	2	39	18.0	-32.62	137.84	2813	18346.	0.2	0	0	WOMERA		-177	200	5
12	1	2	39	32.7	-32.70	138.45	2829	18253.	0.1	0	0	WOMERA		-173	200	5
12	1	2	39	52.2	-32.79	139.25	2850	18119.	0.2	0	0	WOMERA		-177	189	5
12	1	2	40	16.7	-32.90	140.26	2876	17957.	0.6	0	0	WOMERA		-178	181	5
12	1	3	52	47.9	29.19	-78.58	1358	27675.	0.5	0	5	BPOINT		-165	28	4
12	1	3	52	47.9	29.19	-78.57	1358	27675.	0.3	0	0	FTMYRS		-165	28	4
12	1	3	53	2.8	29.43	-77.74	1340	27942.	0.4	0	5	BPOINT		-163	32	4
12	1	3	53	3.1	29.44	-77.72	1339	27943.	0.2	0	0	FTMYRS		-168	27	4
12	1	3	53	17.7	29.67	-76.90	1321	28200.	0.4	0	5	BPOINT		-165	31	4
12	1	3	53	17.8	29.67	-76.90	1321	28202.	0.2	0	0	FTMYRS		-165	31	4
12	1	5	2	1.6	-32.11	134.50	3473	14721.	0.2	0	0	WOMERA		-116	193	4
12	1	5	2	32.2	-31.93	135.57	3492	14598.	0.1	0	0	WOMERA		-113	190	4
12	1	6	1	34.1	27.92	-115.56	1464	24741.	0.1	0	0	NELCAL		-238	26	4
12	1	6	2	0.1	28.37	-114.17	1431	25329.	0.1	0	0	NELCAL		-237	33	4
12	1	6	2	7.3	28.49	-113.78	1422	25493.	0.1	0	0	NELCAL		-238	33	4
12	1	6	2	14.6	28.62	-113.39	1413	25659.	0.1	0	0	NELCAL		-239	34	4
12	1	6	11	23.4	33.46	-78.22	803	36767.	0.6	0	5	BPOINT		-151	84	4
12	1	6	11	23.5	33.46	-78.21	803	36769.	0.2	0	0	FTMYRS		-151	83	4
12	1	6	11	33.1	33.44	-77.52	795	36866.	1.7	0	5	BPOINT		-150	83	4
12	1	6	11	33.4	33.44	-77.50	795	36866.	0.2	0	0	FTMYRS		-154	80	4
12	1	6	11	43.3	33.41	-76.78	786	36967.	0.4	0	5	BPOINT		-148	85	4
12	1	6	11	43.7	33.41	-76.75	786	36970.	0.1	0	0	FTMYRS		-148	85	4
12	1	6	42	26.5	-17.13	28.59	1508	17421.	0.1	7	7	JOBURG		-115	-319	4
12	1	6	42	53.2	-17.81	29.77	1543	17303.	0.3	7	7	JOBURG		-119	-324	4
12	1	7	30	33.4	-20.03	135.20	3731	11786.	0.2	0	0	WOMERA		-116	139	4
12	1	7	30	48.2	-19.81	135.59	3729	11756.	0.2	0	0	WOMERA		-117	136	4
12	1	7	32	26.7	-18.32	138.13	3707	11570.	0.2	0	0	WOMERA		-119	125	4
12	1	8	33	4.2	20.99	-62.56	515	34872.	0.1	0	0	ANTGUA		-383	-16	4
12	1	8	33	14.3	20.68	-61.93	517	34611.	0.1	0	0	ANTGUA		-394	-34	4
12	1	8	33	25.1	20.34	-61.28	518	34332.	0.1	0	0	ANTGUA		-403	-51	4
12	1	8	33	34.0	20.06	-60.73	519	34093.	0.4	0	0	ANTGUA		-412	-67	4
12	1	9	4	48.8	-30.54	27.98	2464	13476.	0.2	7	7	JOBURG		-136	-342	5
12	1	9	4	58.6	-30.64	28.40	2476	13459.	0.2	7	7	JOBURG		-134	-339	5
12	1	10	37	22.7	29.79	-118.44	575	36485.	0.1	0	0	NELCAL		-466	39	5
12	1	10	37	45.2	29.36	-116.86	566	36663.	0.1	0	0	NELCAL		-460	36	5
12	1	10	38	1.6	29.03	-115.70	559	36776.	0.2	0	0	NELCAL		-453	31	5
12	1	13	8	46.5	-10.81	-80.12	1195	17450.	0.3	0	0	LIMAPU		-214	-134	4
12	1	13	9	32.0	-12.17	-78.06	1250	16825.	0.3	0	0	LIMAPU		-241	-157	4
12	1	15	32	32.1	-28.94	-76.53	2256	12142.	0.2	0	0	AGASTA		-190	-170	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
12	1	15	32	47.3	-29.14	-75.86	2275	12061.	0.5	0	0	AGASTA	-179	-158	3
12	1	15	34	23.3	-30.29	-71.68	2397	11497.	0.1	0	0	AGASTA	-193	-163	3
12	2	0	6	29.5	-22.64	135.83	1726	24506.	0.1	0	0	WOMERA	-248	287	3
12	2	0	7	3.1	-23.35	137.33	1771	24249.	0.2	5	0	WOMERA	-244	275	3
12	2	0	7	13.8	-23.57	137.81	1785	24166.	0.1	0	0	WOMERA	-243	271	3
12	2	0	7	13.8	-23.57	137.81	1785	24165.	0.1	0	6	WOMERA	-244	271	3
12	2	1	20	21.3	14.00	-79.74	2451	14872.	0.1	0	0	QUITOE	-166	-55	3
12	2	1	27	52.8	23.53	-62.63	1870	20375.	0.1	0	0	ANTGUA	-213	-72	3
12	2	1	28	3.5	23.74	-62.17	1855	20511.	0.2	0	0	ANTGUA	-213	-72	3
12	2	3	43	34.6	29.65	-78.78	1435	26957.	0.8	0	0	BPOINT	-158	32	4
12	2	3	43	48.0	29.85	-78.04	1418	27179.	0.6	0	0	BPOINT	-166	25	4
12	2	3	44	3.0	30.07	-77.20	1399	27438.	0.4	0	0	BPOINT	-160	32	4
12	2	4	53	36.2	-31.25	137.46	3464	14587.	0.1	0	0	WOMERA	-132	168	4
12	2	4	54	1.7	-31.06	138.34	3480	14470.	0.1	0	0	WOMERA	-134	161	4
12	2	4	54	24.1	-30.88	139.10	3494	14369.	0.1	0	0	WOMERA	-135	156	4
12	2	4	54	46.8	-30.70	139.87	3508	14269.	0.1	0	0	WOMERA	-134	153	4
12	2	5	52	23.4	28.49	-115.56	1539	24206.	0.1	0	0	NELCAL	-225	33	4
12	2	5	53	18.9	29.38	-112.61	1467	25409.	0.2	0	0	NELCAL	-228	41	4
12	2	6	2	19.4	33.40	-78.25	850	35988.	0.3	0	5	BPOINT	-153	78	4
12	2	6	2	19.8	33.40	-78.22	849	35989.	0.1	0	0	FTMYRS	-155	76	4
12	2	6	2	29.2	33.37	-77.55	841	36086.	0.2	0	5	BPOINT	-157	74	4
12	2	6	2	29.3	33.36	-77.55	841	36084.	0.2	0	0	FTMYRS	-160	71	4
12	2	6	2	39.1	33.33	-76.85	831	36187.	0.2	0	0	FTMYRS	-154	75	4
12	2	6	2	39.8	33.33	-76.80	831	36182.	3.1	0	5	BPOINT	-165	64	4
12	2	7	19	43.4	-20.12	133.50	3748	11752.	0.2	0	0	WOMERA	-119	139	4
12	2	7	21	40.8	-18.36	136.53	3737	11491.	1.3	2	0	WOMERA	-119	127	4
12	2	8	11	11.5	33.50	-116.10	925	33014.	0.2	0	0	NELCAL	-361	70	4
12	2	8	11	28.6	33.49	-114.90	908	33398.	0.2	0	0	NELCAL	-356	76	4
12	2	8	11	39.0	33.48	-114.17	898	33617.	0.1	0	0	NELCAL	-364	68	4
12	2	8	11	52.0	33.47	-113.26	885	33901.	0.2	0	0	NELCAL	-359	71	4
12	2	8	24	10.7	20.06	-62.62	512	34489.	0.2	0	0	ANTGUA	-401	-40	4
12	2	8	24	21.1	19.73	-61.98	513	34233.	0.2	0	0	ANTGUA	-409	-55	4
12	2	8	24	31.3	19.40	-61.36	513	33974.	0.2	0	0	ANTGUA	-420	-74	4
12	2	8	24	41.5	19.07	-60.75	514	33712.	0.3	0	0	ANTGUA	-428	-91	4
12	2	10	28	47.9	28.81	-116.84	585	36098.	0.1	0	0	NELCAL	-441	29	5
12	2	10	28	57.6	28.61	-116.17	580	36165.	0.1	0	0	NELCAL	-439	24	5
12	2	10	29	8.6	28.37	-115.41	575	36239.	0.1	0	0	NELCAL	-434	20	5
12	2	10	29	18.5	28.15	-114.73	571	36300.	0.1	0	0	NELCAL	-428	17	5
12	2	13	0	19.0	-12.91	-78.74	1178	17285.	0.2	0	5	QUITOE	-233	-151	4
12	2	13	0	19.6	-12.93	-78.71	1179	17278.	0.1	0	0	LIMAPU	-233	-151	4
12	2	13	0	33.0	-13.33	-78.09	1195	17095.	0.7	0	5	QUITOE	-246	-162	4
12	2	13	0	33.4	-13.34	-78.07	1195	17097.	0.1	0	0	LIMAPU	-238	-154	4
12	2	13	0	49.0	-13.80	-77.35	1214	16903.	0.2	0	0	LIMAPU	-238	-153	4
12	2	13	1	3.8	-14.23	-76.67	1232	16717.	0.1	0	0	LIMAPU	-243	-156	4
12	2	15	24	40.7	-30.54	-72.39	2284	11971.	0.3	0	5	SNTAGO	-212	-182	4
12	2	15	24	41.1	-30.54	-72.38	2284	11971.	0.1	0	0	AGASTA	-210	-180	4
12	2	15	25	37.6	-31.12	-69.84	2356	11646.	0.2	0	5	SNTAGO	-205	-170	4
12	2	15	25	37.7	-31.12	-69.84	2356	11645.	0.1	0	0	AGASTA	-206	-171	4
12	3	3	34	19.0	30.06	-79.00	1515	26219.	0.8	0	0	BPOINT	-149	37	5
12	3	3	34	29.9	30.21	-78.41	1501	26384.	0.3	0	0	BPOINT	-162	25	5
12	3	3	34	49.8	30.49	-77.31	1476	26714.	0.4	0	0	BPOINT	-156	32	5
12	3	4	43	55.0	-30.83	137.74	3405	14802.	0.1	0	0	WOMERA	-133	171	5
12	3	4	44	13.1	-30.68	138.37	3417	14713.	0.1	0	0	WOMERA	-132	169	5
12	3	4	44	35.8	-30.49	139.14	3433	14597.	0.1	0	0	WOMERA	-134	163	5
12	3	4	44	57.9	-30.30	139.89	3447	14488.	0.1	0	0	WOMERA	-133	159	5
12	3	5	53	32.5	33.22	-77.01	882	35346.	0.1	4	5	FTMYRS	-163	64	5
12	3	5	53	32.6	33.22	-77.01	882	35347.	0.1	0	0	BPOINT	-162	65	5
12	3	5	53	39.5	33.19	-76.53	875	35415.	0.3	1	5	BPOINT	-161	65	5
12	3	5	53	39.8	33.19	-76.50	875	35416.	0.1	4	0	FTMYRS	-164	62	5
12	3	5	53	50.3	33.13	-75.77	865	35512.	0.1	4	0	FTMYRS	-164	61	5
12	3	6	25	35.9	-21.07	32.18	1478	18118.	0.4	7	0	JOBURG	-135	-367	5
12	3	6	25	35.9	-21.07	32.18	1478	18115.	0.3	0	6	JOBURG	-138	-370	5
12	3	7	10	32.4	-18.72	134.38	3749	11525.	0.1	0	0	WOMERA	-122	129	5
12	3	7	11	24.7	-17.92	135.71	3748	11391.	0.1	0	0	WOMERA	-125	121	5

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
12	3	7	12	2.5	-17.34	136.66	3745	11300.	0.1	0	0	WOMERA	-124	117	5
12	3	7	12	25.0	-16.99	137.22	3743	11246.	0.1	0	0	WOMERA	-125	115	5
12	3	8	2	31.3	33.44	-114.34	953	32792.	0.1	0	0	NELCAL	-355	60	5
12	3	8	2	57.3	33.38	-112.54	926	33341.	0.3	0	0	NELCAL	-350	61	5
12	3	8	3	8.1	33.34	-111.79	915	33548.	0.2	0	0	NELCAL	-363	45	5
12	3	8	3	22.2	33.28	-110.81	901	33822.	0.5	0	0	NELCAL	-372	31	5
12	3	8	15	41.4	18.31	-61.23	512	33471.	0.1	0	0	ANTGUA	-428	-95	5
12	3	8	15	52.1	17.95	-60.60	512	33200.	0.1	0	0	ANTGUA	-439	-116	5
12	3	10	19	20.9	28.85	-118.83	623	35228.	0.2	0	0	NELCAL	-430	26	5
12	3	10	19	50.5	28.22	-116.81	607	35476.	0.1	0	0	NELCAL	-421	22	5
12	3	10	20	21.3	27.53	-114.73	591	35685.	0.1	0	0	NELCAL	-406	13	5
12	3	12	52	2.7	-15.30	-76.76	1175	17037.	0.1	0	0	LIMAPU	-244	-155	5
12	3	12	53	2.3	-16.98	-73.94	1247	16331.	0.3	0	5	LIMAPU	-255	-157	5
12	3	12	53	2.7	-16.99	-73.92	1248	16328.	0.1	0	0	AGASTA	-253	-155	5
12	3	12	53	32.7	-17.81	-72.51	1285	15992.	0.3	0	5	LIMAPU	-259	-157	5
12	3	12	53	33.0	-17.82	-72.49	1285	15992.	0.1	0	0	AGASTA	-256	-154	5
12	3	15	15	25.5	-31.04	-71.93	2205	12334.	0.1	0	0	AGASTA	-201	-168	6
12	3	15	15	36.3	-31.15	-71.44	2219	12271.	0.3	6	0	SNTAGO	-195	-161	6
12	3	15	16	21.5	-31.57	-69.35	2277	11982.	0.1	0	0	SNTAGO	-203	-165	6
12	3	15	16	35.8	-31.70	-68.69	2295	11903.	0.1	0	0	SNTAGO	-195	-157	6
12	4	1	1	35.0	15.98	-80.00	2619	14443.	0.1	0	5	BPOINT	-148	-38	3
12	4	1	1	35.1	15.98	-80.00	2618	14444.	0.	0	0	QUITOE	-147	-37	3
12	4	1	1	49.3	16.26	-79.54	2602	14582.	0.2	0	5	BPOINT	-151	-40	3
12	4	1	1	49.3	16.27	-79.54	2602	14584.	0.1	0	0	QUITOE	-150	-39	3
12	4	1	2	8.0	16.64	-78.92	2580	14771.	0.3	0	5	BPOINT	-152	-40	3
12	4	1	2	8.3	16.65	-78.91	2579	14772.	0.2	0	0	QUITOE	-154	-42	3
12	4	1	3	10.8	17.90	-76.82	2504	15421.	0.1	0	0	QUITOE	-152	-36	3
12	4	1	3	41.0	18.51	-75.78	2468	15737.	0.1	0	0	QUITOE	-158	-40	3
12	4	1	9	43.2	25.44	-61.72	2006	19766.	0.7	0	0	ANTGUA	-197	-64	3
12	4	2	9	56.1	-33.00	136.20	2485	20702.	0.2	0	0	WOMERA	-184	249	3
12	4	2	10	17.7	-33.09	137.18	2511	20507.	0.2	0	0	WOMERA	-187	237	3
12	4	2	10	39.8	-33.17	138.17	2538	20310.	0.2	0	0	WOMERA	-188	228	3
12	4	2	11	2.2	-33.24	139.18	2565	20113.	0.1	0	0	WOMERA	-185	222	3
12	4	3	25	13.6	30.61	-78.58	1583	25646.	0.2	0	0	BPOINT	-152	31	4
12	4	3	25	24.1	30.74	-78.01	1570	25807.	0.2	0	0	BPOINT	-154	29	4
12	4	3	25	33.5	30.86	-77.50	1557	26071.	0.4	0	7	BPOINT	-35	148	4
12	4	4	33	33.9	-30.73	136.58	3310	15263.	0.1	0	0	WOMERA	-139	179	4
12	4	4	33	49.4	-30.60	137.12	3322	15177.	0.1	0	0	WOMERA	-136	178	4
12	4	4	34	7.6	-30.44	137.76	3336	15074.	0.1	0	0	WOMERA	-138	173	4
12	4	4	34	33.2	-30.21	138.64	3355	14929.	0.1	0	0	WOMERA	-139	166	4
12	4	5	44	32.1	33.05	-76.69	928	34563.	0.3	7	0	FTMYRS	-149	74	4
12	4	5	44	32.8	33.04	-76.65	928	34565.	0.7	0	5	BPOINT	-153	70	4
12	4	5	44	41.6	32.99	-76.04	919	34672.	0.8	2	7	BPOINT	-132	91	4
12	4	5	44	51.8	32.92	-75.34	909	34743.	0.2	6	6	FTMYRS	-154	68	4
12	4	5	44	51.9	32.92	-75.33	908	34744.	0.1	0	0	FTMYRS	-154	68	4
12	4	5	44	52.9	32.91	-75.27	907	34742.	0.2	0	5	BPOINT	-164	58	4
12	4	7	1	27.6	-17.18	135.37	3748	11290.	0.2	0	0	WOMERA	-116	127	3
12	4	7	1	54.3	-16.77	136.03	3749	11219.	0.2	0	0	WOMERA	-115	125	3
12	4	7	52	37.6	33.48	-117.51	1061	31017.	0.5	0	0	NELCAL	-326	66	3
12	4	8	6	39.4	17.59	-61.83	512	33207.	0.1	0	0	ANTGUA	-429	-104	3
12	4	8	6	52.6	17.15	-61.05	511	32890.	0.3	0	0	ANTGUA	-444	-129	3
12	4	8	7	5.3	16.72	-60.31	511	32578.	0.1	0	0	ANTGUA	-456	-153	3
12	4	8	36	33.3	-31.70	28.24	2192	14800.	0.1	7	0	JOBURG	-153	-392	3
12	4	8	36	33.3	-31.70	28.24	2192	14800.	0.1	0	6	JOBURG	-153	-392	3
12	4	10	10	10.0	28.53	-119.67	659	34431.	0.3	0	0	NELCAL	-417	17	3
12	4	10	10	39.6	27.90	-117.68	640	34698.	0.3	0	0	NELCAL	-409	15	3
12	4	10	11	20.2	26.97	-114.98	616	34996.	0.2	0	0	NELCAL	-390	7	3
12	4	10	11	50.1	26.24	-113.01	600	35157.	0.2	0	0	NELCAL	-373	-3	3
12	4	10	59	13.2	-32.50	28.57	3056	11508.	0.1	0	7	JOBURG	-77	-245	3
12	4	12	42	3.5	-14.63	-79.68	1054	18127.	0.2	0	0	LIMAPU	-204	-127	2
12	4	12	42	17.5	-15.04	-79.00	1069	17943.	0.2	0	0	LIMAPU	-213	-133	2
12	4	12	42	48.0	-15.94	-77.52	1104	17577.	0.1	0	0	LIMAPU	-204	-117	2
12	4	15	5	17.1	-30.96	-74.04	2055	13099.	0.1	0	0	AGASTA	-176	-147	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
12	4	15	5	32.0	-31.11	-73.33	2075	12995.	0.1	0	0	AGASTA	-173	-142	2
12	4	15	6	20.3	-31.58	-71.02	2138	12652.	0.1	0	0	SNTAGO	-177	-140	2
12	4	15	6	20.5	-31.59	-71.01	2138	12650.	0.1	0	5	AGASTA	-178	-141	2
12	4	17	29	34.1	-32.34	-68.97	3048	9527.	0.4	0	0	AGASTA	-144	-124	2
12	4	23	39	31.6	-25.67	137.38	1546	27277.	0.1	0	0	WOMERA	-270	313	2
12	4	23	39	46.3	-25.96	138.10	1565	27130.	0.1	0	0	WOMERA	-274	299	2
12	4	23	40	4.6	-26.31	139.01	1589	26950.	0.2	0	0	WOMERA	-271	290	2
12	4	23	40	19.6	-26.59	139.75	1609	26802.	0.2	0	0	WOMERA	-267	286	2
12	5	1	0	19.8	26.05	-61.94	2098	19270.	0.2	0	0	ANTGUA	-179	-50	0
12	5	3	16	3.6	31.07	-78.31	1658	25012.	0.1	0	0	BPOINT	-148	31	0
12	5	3	16	18.5	31.24	-77.51	1638	25232.	0.1	0	0	BPOINT	-148	32	0
12	5	3	16	33.3	31.40	-76.71	1619	25446.	0.2	0	0	BPOINT	-148	33	0
12	5	3	16	48.5	31.57	-75.88	1599	25662.	0.2	0	0	BPOINT	-149	32	0
12	5	4	23	22.8	-30.56	135.67	3213	15745.	0.1	0	0	WOMERA	-138	194	0
12	5	4	23	45.3	-30.36	136.47	3232	15603.	0.1	0	0	WOMERA	-138	188	0
12	5	4	24	4.3	-30.19	137.15	3248	15483.	0.1	0	0	WOMERA	-138	183	0
12	5	4	24	19.1	-30.05	137.67	3260	15392.	0.1	0	0	WOMERA	-138	180	0
12	5	5	24	45.9	30.10	-115.30	1773	22590.	0.1	0	0	NELCAL	-189	48	0
12	5	5	24	56.7	30.24	-114.75	1759	22774.	0.2	0	0	NELCAL	-205	35	0
12	5	5	35	26.1	32.87	-76.71	983	33679.	0.1	5	5	BPOINT	-155	65	0
12	5	5	35	26.2	32.86	-76.70	983	33680.	0.1	0	0	FTMYRS	-155	65	0
12	5	5	35	26.4	32.86	-76.69	983	33682.	0.2	0	6	FTMYRS	-155	65	0
12	5	5	35	36.5	32.79	-76.01	972	33782.	0.2	5	5	FTMYRS	-153	66	0
12	5	5	35	36.6	32.79	-76.00	972	33783.	0.1	0	6	FTMYRS	-154	66	0
12	5	5	35	37.2	32.78	-75.96	971	33782.	0.2	0	0	BPOINT	-160	59	0
12	5	5	35	46.7	32.71	-75.32	961	33864.	0.7	1	5	FTMYRS	-165	54	0
12	5	5	35	47.0	32.71	-75.29	961	33862.	0.1	1	0	BPOINT	-170	49	0
12	5	5	35	55.6	32.63	-74.71	952	33944.	0.4	5	5	BPOINT	-163	55	0
12	5	5	35	55.7	32.63	-74.71	952	33947.	0.9	0	6	BPOINT	-162	57	0
12	5	5	35	55.9	32.63	-74.70	952	33948.	0.2	0	0	FTMYRS	-162	57	0
12	5	5	35	56.3	32.63	-74.67	951	33951.	0.1	0	6	FTMYRS	-162	56	0
12	5	6	6	5.2	-20.90	28.24	1247	19482.	0.2	7	0	JOBURG	-163	-365	4
12	5	6	6	5.2	-20.90	28.24	1247	19483.	0.3	0	6	JOBURG	-162	-364	4
12	5	6	6	23.3	-21.35	29.14	1269	19401.	0.4	7	0	JOBURG	-163	-375	4
12	5	7	43	26.1	33.43	-117.73	1127	30133.	0.1	0	0	NELCAL	-314	59	4
12	5	7	43	38.6	33.40	-116.90	1112	30392.	0.2	0	0	NELCAL	-312	63	4
12	5	7	43	54.7	33.35	-115.84	1094	30713.	0.4	0	0	NELCAL	-318	60	4
12	5	8	27	11.1	-32.03	28.36	2103	15258.	0.1	0	7	JOBURG	-163	-414	4
12	5	10	1	3.8	28.09	-120.14	695	33644.	0.1	0	0	NELCAL	-386	25	5
12	5	10	1	48.4	27.09	-117.21	664	34044.	0.1	0	0	NELCAL	-374	20	5
12	5	10	2	34.0	26.00	-114.25	635	34356.	0.1	0	0	NELCAL	-353	11	5
12	5	10	12	39.2	6.09	-78.64	545	28305.	0.3	1	0	QUITOE	-279	-207	5
12	5	10	13	16.1	4.71	-76.67	559	27487.	0.3	0	0	QUITOE	-301	-218	5
12	5	12	34	48.9	-18.71	-74.54	1121	17163.	0.1	0	0	AGASTA	-247	-145	6
12	5	12	35	47.8	-20.30	-71.60	1191	16507.	0.	0	0	AGASTA	-261	-146	6
12	5	12	35	59.2	-20.60	-71.02	1205	16389.	0.1	0	0	AGASTA	-259	-142	6
12	5	14	56	57.1	-31.91	-70.99	2047	12998.	0.1	0	6	AGASTA	-259	-220	6
12	5	14	56	57.1	-31.91	-70.99	2047	12996.	0.	0	0	SNTAGO	-261	-222	6
12	5	14	56	57.2	-31.91	-70.99	2047	12995.	0.1	0	5	AGASTA	-261	-222	6
12	5	14	57	11.5	-32.03	-70.28	2066	12892.	0.1	0	5	AGASTA	-259	-219	6
12	5	14	57	11.5	-32.03	-70.28	2066	12891.	0.1	0	0	SNTAGO	-260	-219	6
12	5	14	57	33.1	-32.20	-69.22	2094	12743.	0.2	0	0	SNTAGO	-253	-210	6
12	5	14	57	33.3	-32.20	-69.21	2094	12741.	0.2	0	5	AGASTA	-254	-211	6
12	5	14	57	51.3	-32.34	-68.33	2118	12604.	0.2	0	6	AGASTA	-264	-220	6
12	5	14	57	51.5	-32.34	-68.32	2118	12601.	0.1	0	0	AGASTA	-266	-222	6
12	5	23	29	30.5	-25.34	134.76	1408	28798.	0.3	5	6	WOMERA	-321	318	6
12	5	23	29	30.8	-25.35	134.78	1408	28793.	0.1	0	0	WOMERA	-323	316	6
12	5	23	30	16.6	-26.27	137.11	1467	28350.	0.1	0	6	WOMERA	-309	299	6
12	5	23	30	16.9	-26.28	137.13	1467	28348.	0.1	0	0	WOMERA	-307	300	6
12	6	0	44	3.4	19.41	-77.54	2693	14746.	0.2	0	5	QUITOE	-149	-36	3
12	6	0	44	3.5	19.41	-77.54	2693	14748.	0.2	5	0	BPOINT	-149	-35	3
12	6	0	44	17.8	19.68	-77.07	2677	14878.	0.4	0	6	BPOINT	-151	-37	3
12	6	0	44	17.9	19.68	-77.06	2677	14872.	0.3	0	5	QUITOE	-157	-43	3
12	6	0	44	17.9	19.68	-77.06	2677	14876.	0.1	0	0	BPOINT	-154	-40	3

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	N	L	REMARKS STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
12	6	0	44	31.2	19.92	-76.62	2662	15018.	0.5	0	0	QUITOE	-136	-21	3
12	6	0	44	48.0	20.24	-76.05	2642	15169.	0.9	0	0	QUITOE	-143	-28	3
12	6	0	50	59.3	26.72	-61.93	2185	18818.	0.3	0	0	ANTGUA	-169	-43	3
12	6	0	51	9.6	26.88	-61.49	2172	18917.	0.1	0	0	ANTGUA	-172	-47	3
12	6	1	50	41.9	-33.23	135.57	2276	22381.	0.1	0	0	WOMERA	-207	266	3
12	6	1	51	42.2	-33.39	138.44	2352	21746.	0.1	0	0	WOMERA	-206	238	3
12	6	2	50	11.3	15.07	-117.62	2955	12116.	0.1	0	0	NELCAL	-118	-7	3
12	6	2	50	21.9	15.27	-117.31	2944	12196.	0.2	0	6	NELCAL	-124	-12	3
12	6	2	50	22.0	15.27	-117.30	2944	12198.	0.1	0	0	NELCAL	-122	-11	3
12	6	2	50	52.0	15.84	-116.41	2913	12444.	0.1	0	0	NELCAL	-123	-8	3
12	6	2	50	52.0	15.84	-116.41	2913	12449.	0.2	0	6	NELCAL	-118	-3	3
12	6	4	13	56.0	-29.99	136.28	3148	15967.	0.	0	0	WOMERA	-157	179	4
12	6	4	14	18.8	-29.77	137.10	3168	15811.	0.	0	0	WOMERA	-155	174	4
12	6	4	14	28.8	-29.67	137.45	3177	15744.	0.1	0	0	WOMERA	-154	174	4
12	6	5	14	34.5	29.86	-117.92	1929	21082.	0.2	0	0	NELCAL	-174	46	4
12	6	5	15	15.3	30.38	-115.92	1875	21771.	0.1	0	0	NELCAL	-181	47	4
12	6	5	15	26.8	30.52	-115.35	1860	21975.	0.9	0	0	NELCAL	-176	54	4
12	6	5	26	42.1	32.45	-75.20	1015	33000.	0.4	0	5	BPOINT	-149	66	4
12	6	5	26	42.7	32.45	-75.16	1015	33002.	0.1	0	0	FTMYRS	-152	63	4
12	6	5	26	51.9	32.36	-74.55	1005	33077.	0.3	0	0	BPOINT	-158	57	4
12	6	5	26	52.0	32.36	-74.55	1005	33078.	0.4	0	5	FTMYRS	-158	57	4
12	6	5	27	1.7	32.27	-73.90	994	33154.	0.5	0	5	BPOINT	-163	52	4
12	6	5	27	2.4	32.26	-73.86	993	33161.	0.1	0	0	FTMYRS	-162	53	4
12	6	5	27	12.2	32.16	-73.21	983	33239.	0.1	0	0	FTMYRS	-161	54	4
12	6	5	27	12.5	32.16	-73.19	983	33238.	0.3	0	5	BPOINT	-165	49	4
12	6	7	34	20.1	33.34	-117.50	1188	29379.	0.3	0	0	NELCAL	-293	63	3
12	6	7	34	31.1	33.31	-116.79	1175	29592.	0.2	0	0	NELCAL	-296	63	3
12	6	7	34	42.9	33.26	-116.03	1161	29822.	0.2	0	0	NELCAL	-296	65	3
12	6	7	34	58.0	33.19	-115.05	1144	30113.	0.6	0	0	NELCAL	-298	65	3
12	6	7	48	52.2	15.53	-62.05	522	32075.	0.3	0	0	ANTGUA	-470	-179	3
12	6	7	49	2.7	15.16	-61.44	520	31847.	0.2	0	0	ANTGUA	-480	-196	3
12	6	9	51	35.5	28.09	-122.01	752	32568.	0.5	0	0	NELCAL	-381	10	3
12	6	9	52	9.4	27.35	-119.81	725	32920.	0.2	0	0	NELCAL	-373	13	3
12	6	9	53	4.4	26.06	-116.28	684	33379.	0.2	0	0	NELCAL	-360	3	3
12	6	9	53	54.6	24.79	-113.11	650	33684.	0.2	0	0	NELCAL	-333	-2	3
12	6	10	3	54.1	4.62	-78.40	536	27709.	0.1	0	0	QUITOE	-333	-263	3
12	6	10	4	2.6	4.29	-77.95	538	27533.	0.1	0	0	QUITOE	-335	-263	3
12	6	10	4	9.7	4.03	-77.57	541	27380.	0.1	0	0	QUITOE	-341	-267	3
12	6	10	4	19.9	3.64	-77.02	544	27162.	0.1	0	0	QUITOE	-347	-269	3
12	6	10	39	34.9	-32.10	27.94	2861	12116.	0.2	4	7	JOBURG	-86	-269	3
12	6	10	39	44.8	-32.03	28.34	2871	12094.	0.2	0	7	JOBURG	-83	-264	3
12	6	12	24	36.9	-17.67	-78.23	990	18350.	0.1	0	0	LIMAPU	-247	-163	3
12	6	12	25	21.3	-18.95	-75.95	1038	17799.	0.2	7	0	AGASTA	-278	-181	3
12	6	12	26	49.0	-21.32	-71.43	1138	16832.	0.1	0	5	AGASTA	-279	-158	3
12	6	12	26	49.2	-21.32	-71.42	1139	16830.	0.1	0	0	SNTAGO	-278	-157	3
12	6	12	27	14.5	-21.97	-70.12	1168	16560.	0.1	3	0	AGASTA	-287	-161	3
12	6	12	27	29.8	-22.35	-69.33	1187	16410.	0.1	0	0	AGASTA	-282	-154	3
12	6	14	47	40.9	-32.25	-70.67	1965	13439.	0.1	0	5	SNTAGO	-208	-165	3
12	6	14	47	41.5	-32.25	-70.63	1966	13438.	0.1	0	0	AGASTA	-204	-161	3
12	6	14	47	56.0	-32.36	-69.90	1985	13326.	0.2	0	5	SNTAGO	-203	-158	3
12	6	14	47	56.1	-32.36	-69.89	1985	13318.	0.1	0	0	AGASTA	-209	-165	3
12	6	14	48	14.9	-32.50	-68.95	2010	13169.	0.1	0	5	AGASTA	-214	-167	3
12	6	14	48	15.0	-32.50	-68.94	2010	13167.	0.1	0	0	SNTAGO	-215	-168	3
12	6	14	48	36.9	-32.64	-67.84	2039	13005.	0.1	0	5	SNTAGO	-213	-164	3
12	6	14	48	37.0	-32.64	-67.84	2039	13006.	0.1	0	0	AGASTA	-211	-162	3
12	6	17	10	8.7	-31.83	-69.11	2866	10015.	0.4	6	0	SNTAGO	-148	-125	2
12	6	17	10	22.8	-31.72	-68.55	2881	9934.	0.3	6	0	SNTAGO	-153	-130	2
12	6	17	10	34.0	-31.64	-68.10	2893	9872.	0.5	6	0	SNTAGO	-156	-132	2
12	6	17	10	46.6	-31.54	-67.60	2906	9809.	0.4	6	0	SNTAGO	-153	-129	2
12	6	23	20	58.0	-26.76	136.62	1385	29533.	0.1	0	0	WOMERA	-298	338	2
12	6	23	21	12.8	-27.05	137.41	1403	29371.	0.2	0	0	WOMERA	-299	326	2
12	6	23	21	41.3	-27.58	138.91	1440	29083.	0.3	0	0	WOMERA	-269	334	2
12	6	23	21	55.9	-27.84	139.68	1459	28900.	0.1	0	0	WOMERA	-285	307	2
12	7	0	41	36.8	27.35	-61.91	2273	18362.	1.3	6	0	ANTGUA	-164	-42	3
12	7	1	42	15.8	-33.45	138.56	2260	22513.	0.1	0	0	WOMERA	-203	256	3

TIME					POSITION			MEASURED		REMARKS			MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
12	7	1	42	53.2	-33.47	140.36	2308	22086.	0.1	0	0	WOMERA	-203	238	3
12	7	2	43	13.6	18.86	-113.05	2876	13258.	0.1	0	0	NELCAL	-103	22	3
12	7	2	44	30.6	20.24	-110.58	2793	13965.	0.7	0	6	NELCAL	-114	18	3
12	7	2	44	30.7	20.24	-110.57	2793	13965.	0.2	0	0	NELCAL	-116	17	3
12	7	2	57	32.6	31.81	-78.07	1821	23656.	0.5	0	0	BPOINT	-123	48	3
12	7	2	57	47.9	31.95	-77.27	1801	23852.	0.2	0	0	BPOINT	-127	45	3
12	7	2	58	2.8	32.08	-76.49	1781	24045.	0.4	0	0	BPOINT	-126	46	3
12	7	2	58	17.7	32.21	-75.70	1762	24236.	0.3	0	0	BPOINT	-126	46	3
12	7	4	4	28.8	-29.39	136.80	3079	16233.	0.3	0	0	WOMERA	-152	188	3
12	7	4	4	53.3	-29.13	137.68	3102	16057.	0.1	0	0	WOMERA	-145	190	3
12	7	5	5	19.1	30.38	-117.66	2010	20604.	0.1	3	0	NELCAL	-165	49	3
12	7	5	5	48.8	30.73	-116.23	1971	21078.	0.3	3	0	NELCAL	-168	51	3
12	7	5	6	3.5	30.89	-115.50	1952	21314.	0.2	0	0	NELCAL	-171	50	3
12	7	5	16	11.4	32.88	-80.56	1171	31205.	0.2	0	0	BPOINT	-143	71	3
12	7	5	16	11.7	32.88	-80.54	1171	31206.	0.4	0	6	FTMYRS	-145	69	3
12	7	5	16	11.7	32.88	-80.54	1170	31210.	0.2	7	5	FTMYRS	-142	72	3
12	7	5	16	21.4	32.81	-79.92	1159	31326.	0.	5	0	BPOINT	-139	74	3
12	7	5	16	21.9	32.81	-79.89	1158	31332.	0.4	6	5	FTMYRS	-140	74	3
12	7	5	16	32.8	32.73	-79.19	1146	31450.	0.3	1	5	BPOINT	-146	67	3
12	7	5	16	33.0	32.73	-79.18	1145	31448.	0.2	0	0	FTMYRS	-150	63	3
12	7	5	48	2.3	-22.75	28.37	1134	20439.	0.3	7	0	JOBURG	-201	-398	3
12	7	5	48	17.7	-23.13	29.18	1153	20360.	0.3	7	0	JOBURG	-214	-426	3
12	7	5	48	18.0	-23.14	29.20	1153	20357.	0.3	0	6	JOBURG	-215	-428	3
12	7	5	48	48.5	-23.87	30.81	1189	20227.	0.4	0	6	JOBURG	-219	-465	3
12	7	5	48	48.6	-23.87	30.82	1189	20226.	0.2	7	0	JOBURG	-220	-465	3
12	7	7	25	3.0	33.26	-117.90	1265	28418.	0.1	0	0	NELCAL	-268	71	1
12	7	7	25	17.2	33.20	-117.01	1247	28685.	0.1	0	0	NELCAL	-267	74	1
12	7	7	25	31.9	33.13	-116.08	1229	28959.	0.	0	0	NELCAL	-268	75	1
12	7	7	25	47.3	33.04	-115.10	1211	29238.	0.1	0	0	NELCAL	-274	71	1
12	7	7	40	3.2	14.30	-61.91	529	31378.	0.1	0	0	ANTGUA	-452	-181	1
12	7	7	40	12.4	13.97	-61.38	527	31184.	0.4	0	0	ANTGUA	-461	-196	1
12	7	9	43	35.1	26.09	-118.21	741	32347.	0.2	0	0	NELCAL	-337	17	0
12	7	9	44	8.3	25.27	-116.14	715	32600.	0.3	0	0	NELCAL	-328	11	0
12	7	9	44	39.7	24.46	-114.19	692	32798.	0.3	0	0	NELCAL	-315	8	0
12	7	9	45	0.6	23.91	-112.91	677	32906.	0.5	0	0	NELCAL	-303	9	0
12	7	9	55	6.4	3.23	-78.32	528	27221.	0.1	0	0	QUITOE	-317	-247	0
12	7	9	55	19.6	2.73	-77.62	531	26951.	0.1	0	0	QUITOE	-330	-256	0
12	7	9	55	40.9	1.92	-76.49	537	26519.	0.1	0	0	QUITOE	-344	-260	0
12	7	10	29	47.3	-31.89	27.53	2758	12441.	0.3	7	0	JOBURG	-103	-292	0
12	7	12	16	44.9	-20.56	-74.75	1015	17896.	0.2	5	0	AGASTA	-275	-168	2
12	7	12	17	47.4	-22.22	-71.43	1084	17203.	0.1	0	0	AGASTA	-288	-162	2
12	7	12	17	58.5	-22.50	-70.84	1097	17085.	0.3	0	5	SNTAGO	-290	-161	2
12	7	12	17	58.8	-22.50	-70.83	1097	17087.	0.1	0	0	AGASTA	-285	-155	2
12	7	12	18	11.4	-22.82	-70.16	1112	16941.	0.5	0	6	SNTAGO	-301	-169	2
12	7	12	18	11.5	-22.82	-70.15	1112	16936.	0.6	5	5	SNTAGO	-305	-172	2
12	7	12	18	12.1	-22.84	-70.12	1113	16935.	0.	0	0	AGASTA	-299	-167	2
12	7	12	18	31.9	-23.32	-69.07	1135	16726.	0.1	0	0	AGASTA	-308	-172	2
12	7	14	38	12.3	-32.45	-71.05	1866	13936.	0.1	0	0	SNTAGO	-217	-172	2
12	7	14	38	19.8	-32.50	-70.66	1876	13873.	0.1	0	0	SNTAGO	-217	-171	2
12	7	14	38	31.9	-32.59	-70.03	1892	13779.	0.1	0	0	SNTAGO	-209	-162	2
12	7	16	57	21.6	-32.78	-77.16	2556	11516.	0.2	0	0	SNTAGO	-142	-133	2
12	7	16	58	31.8	-32.38	-74.10	2639	11014.	0.2	0	0	SNTAGO	-152	-135	2
12	7	16	59	26.7	-32.00	-71.77	2702	10653.	0.1	0	5	AGASTA	-154	-132	2
12	7	16	59	26.7	-32.00	-71.77	2702	10652.	0.1	0	0	SNTAGO	-155	-134	2
12	7	16	59	36.9	-31.93	-71.35	2713	10596.	0.1	0	0	SNTAGO	-147	-125	2
12	7	17	0	0.2	-31.76	-70.38	2740	10459.	0.2	0	0	SNTAGO	-141	-117	2
12	7	17	0	12.7	-31.66	-69.86	2754	10377.	0.1	0	0	SNTAGO	-148	-124	2
12	7	23	11	43.4	-27.29	136.28	1309	30659.	0.1	0	0	WOMERA	-321	343	1
12	7	23	12	14.9	-27.88	137.99	1349	30305.	0.1	0	0	WOMERA	-314	323	1
12	7	23	12	30.3	-28.15	138.83	1368	30129.	0.1	0	0	WOMERA	-308	316	1
12	7	23	12	55.9	-28.60	140.22	1400	29824.	0.4	0	0	WOMERA	-302	302	1
12	8	0	32	22.2	28.10	-61.47	2349	18008.	1.5	6	0	ANTGUA	-148	-29	1
12	8	0	32	32.7	28.24	-61.03	2336	18088.	0.4	0	0	ANTGUA	-159	-40	1
12	8	1	31	53.1	-33.43	135.85	2094	23990.	0.1	0	0	WOMERA	-214	291	1

TIME					POSITION			MEASURED				REMARKS		MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION		-FINCH	-AFSWC	K(P)
12	8	1	32	8.6	-33.45	136.63	2115	23805.	0.1	0	0	WOMERA		-208	289	1
12	8	1	32	23.0	-33.46	137.35	2133	23623.	0.2	0	0	WOMERA		-212	277	1
12	8	1	32	34.0	-33.47	137.90	2148	23491.	0.4	0	0	WOMERA		-209	274	1
12	8	2	31	23.9	17.31	-117.29	3091	11978.	0.1	0	0	NELCAL		-95	17	1
12	8	2	48	32.9	32.28	-77.00	1881	23188.	1.1	0	0	BPOINT		-132	36	1
12	8	2	48	47.6	32.40	-76.23	1862	23362.	1.4	0	0	BPOINT		-137	31	1
12	8	4	56	21.9	31.07	-116.44	2066	20424.	0.3	0	0	NELCAL		-159	51	2
12	8	4	56	29.7	31.15	-116.06	2056	20541.	0.1	0	0	NELCAL		-160	52	2
12	8	5	7	53.1	32.23	-77.30	1175	30827.	1.3	0	0	BPOINT		-159	49	2
12	8	5	8	3.3	32.13	-76.66	1163	30932.	1.0	0	0	BPOINT		-155	53	2
12	8	5	8	13.7	32.02	-76.01	1150	31033.	0.9	0	0	BPOINT		-154	55	2
12	8	7	16	30.4	32.91	-115.46	1286	28263.	0.1	0	0	NELCAL		-270	59	2
12	8	7	16	42.2	32.83	-114.73	1272	28471.	0.1	0	0	NELCAL		-271	59	2
12	8	7	16	55.5	32.73	-113.90	1256	28707.	0.1	0	0	NELCAL		-267	63	2
12	8	7	25	22.0	24.11	-82.31	732	34241.	0.1	0	0	FTMYRS		-199	3	2
12	8	7	25	31.1	23.86	-81.75	724	34241.	0.1	0	0	FTMYRS		-201	1	2
12	8	7	25	41.3	23.59	-81.14	717	34238.	0.1	0	0	FTMYRS		-200	1	2
12	8	7	25	50.6	23.34	-80.58	710	34224.	0.1	0	0	FTMYRS		-205	-5	2
12	8	7	31	12.5	13.09	-61.84	538	30665.	0.1	0	0	ANTGUA		-462	-209	2
12	8	7	31	22.8	12.73	-61.26	535	30460.	0.	0	0	ANTGUA		-470	-222	2
12	8	9	45	34.0	3.52	-80.60	514	27553.	0.2	0	0	QUITOE		-281	-217	1
12	8	9	45	49.3	2.94	-79.77	516	27273.	0.1	0	0	QUITOE		-292	-227	1
12	8	9	46	18.3	1.83	-78.23	521	26733.	0.1	0	0	QUITOE		-311	-239	1
12	8	12	7	25.0	-20.97	-75.79	945	18491.	0.5	0	0	LIMAPU		-270	-167	1
12	8	12	7	25.1	-20.97	-75.79	946	18490.	0.5	0	5	SNTAGO		-270	-167	1
12	8	12	9	4.9	-23.57	-70.35	1053	17383.	0.2	0	5	SNTAGO		-293	-155	1
12	8	12	9	5.3	-23.58	-70.33	1053	17379.	0.1	0	0	AGASTA		-293	-155	1
12	8	12	9	46.5	-24.57	-68.07	1100	16966.	0.4	0	0	AGASTA		-288	-141	1
12	8	12	10	3.2	-24.96	-67.15	1119	16789.	0.1	0	0	AGASTA		-302	-152	1
12	8	14	28	44.0	-32.63	-71.45	1768	14469.	0.1	0	0	AGASTA		-209	-163	1
12	8	14	28	44.0	-32.64	-71.45	1768	14468.	0.1	0	5	SNTAGO		-209	-163	1
12	8	14	28	55.2	-32.71	-70.85	1783	14362.	0.1	0	5	SNTAGO		-213	-164	1
12	8	14	28	55.3	-32.71	-70.84	1783	14360.	0.1	0	0	AGASTA		-213	-165	1
12	8	14	29	13.5	-32.82	-69.87	1808	14205.	0.	0	0	AGASTA		-205	-153	1
12	8	14	29	14.4	-32.83	-69.82	1809	14206.	0.1	0	5	SNTAGO		-195	-143	1
12	8	14	29	24.8	-32.89	-69.26	1823	14100.	0.1	0	5	AGASTA		-210	-156	1
12	8	14	29	25.0	-32.89	-69.25	1823	14099.	0.1	0	0	SNTAGO		-209	-156	1
12	8	16	48	22.0	-32.36	-75.64	2502	11581.	0.4	0	0	SNTAGO		-149	-135	3
12	8	16	49	17.2	-31.98	-73.22	2568	11180.	0.2	0	5	SNTAGO		-147	-127	3
12	8	16	49	17.8	-31.97	-73.19	2569	11176.	0.1	0	0	AGASTA		-147	-127	3
12	8	16	49	42.3	-31.78	-72.14	2598	11003.	0.1	0	0	AGASTA		-149	-127	3
12	8	16	49	53.2	-31.70	-71.68	2611	10924.	0.1	0	0	AGASTA		-154	-130	3
12	8	16	50	15.7	-31.51	-70.72	2637	10773.	0.3	0	5	LIMAPU		-156	-131	3
12	8	16	50	16.1	-31.51	-70.71	2637	10775.	0.1	0	5	AGASTA		-151	-126	3
12	8	16	50	18.1	-31.49	-70.63	2640	10774.	0.1	0	0	SNTAGO		-140	-114	3
12	8	23	2	41.3	-28.03	136.64	1251	31665.	0.2	0	0	WOMERA		-333	346	2
12	8	23	2	49.0	-28.17	137.07	1260	31579.	0.4	0	0	WOMERA		-328	344	2
12	8	23	3	3.2	-28.43	137.87	1278	31405.	0.2	0	0	WOMERA		-330	329	2
12	8	23	3	29.3	-28.88	139.33	1310	31087.	0.2	0	0	WOMERA		-323	313	2
12	9	0	15	47.2	22.22	-77.21	2927	14161.	0.7	0	0	QUITOE		-117	-7	1
12	9	0	22	53.7	28.63	-61.52	2442	17534.	0.4	0	0	ANTGUA		-148	-32	1
12	9	1	22	17.4	-33.46	135.33	1988	24992.	0.1	0	0	WOMERA		-223	307	1
12	9	1	22	28.1	-33.47	135.89	2002	24851.	0.1	0	0	WOMERA		-223	300	1
12	9	1	22	58.0	-33.48	137.43	2042	24458.	0.2	0	0	WOMERA		-220	286	1
12	9	1	23	12.8	-33.48	138.18	2061	24263.	0.1	0	0	WOMERA		-218	280	1
12	9	3	45	2.5	-28.47	136.55	2902	17067.	0.1	0	0	WOMERA		-157	204	1
12	9	3	45	22.5	-28.23	137.28	2923	16889.	0.1	0	0	WOMERA		-157	198	1
12	9	3	45	41.0	-28.00	137.95	2942	16731.	0.2	0	0	WOMERA		-152	198	1
12	9	4	58	33.6	32.03	-77.88	1252	29790.	0.3	0	0	BPOINT		-164	40	1
12	9	4	58	48.5	31.88	-76.96	1234	29939.	0.6	0	0	BPOINT		-163	40	1
12	9	4	59	3.8	31.71	-76.02	1215	30075.	0.3	0	0	BPOINT		-172	32	1
12	9	4	59	18.6	31.54	-75.12	1198	30210.	0.4	0	0	BPOINT		-170	34	1
12	9	5	29	23.5	-23.60	26.56	990	21524.	0.1	0	6	JOBURG		-232	-375	1
12	9	5	29	24.4	-23.62	26.61	991	21525.	0.2	7	0	JOBURG		-226	-370	1
12	9	5	29	43.0	-24.08	27.65	1011	21446.	0.2	7	0	JOBURG		-228	-398	1

		TIME			POSITION			MEASURED			REMARKS		MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
12	9	5	29	43.1	-24.08	27.65	1011	21444.	0.1	0	6	JOBURG	-229	-399	1
12	9	5	30	3.0	-24.57	28.77	1033	21351.	0.2	7	0	JOBURG	-240	-441	1
12	9	5	30	3.1	-24.57	28.78	1033	21349.	0.1	0	6	JOBURG	-242	-443	1
12	9	7	6	32.5	33.00	-118.19	1416	26616.	0.3	0	0	NELCAL	-262	44	3
12	9	7	7	4.3	32.80	-116.28	1375	27152.	0.3	0	0	NELCAL	-268	44	3
12	9	7	7	41.4	32.52	-114.04	1328	27776.	0.7	5	0	NELCAL	-265	50	3
12	9	7	8	6.1	32.31	-112.54	1298	28172.	0.2	0	0	NELCAL	-277	38	3
12	9	7	22	27.9	11.64	-61.44	547	29803.	0.4	6	0	ANTGUA	-477	-241	3
12	9	7	22	38.0	11.27	-60.88	543	29610.	0.7	6	0	ANTGUA	-484	-252	3
12	9	7	49	42.6	-32.96	28.34	1745	17225.	0.2	7	0	JOBURG	-176	-478	3
12	9	7	50	3.6	-33.07	29.48	1773	17150.	0.1	0	6	JOBURG	-181	-487	3
12	9	7	50	3.7	-33.07	29.49	1773	17150.	0.1	7	0	JOBURG	-180	-487	3
12	9	9	25	58.3	24.02	-116.85	796	30849.	0.1	4	6	NELCAL	-303	3	3
12	9	9	25	58.3	24.02	-116.85	796	30850.	0.1	6	0	NELCAL	-303	4	3
12	9	9	26	11.2	23.68	-116.08	785	30929.	0.3	6	0	NELCAL	-308	-6	3
12	9	9	26	32.3	23.12	-114.84	767	31068.	0.2	6	0	NELCAL	-294	1	3
12	9	9	26	55.5	22.48	-113.46	748	31200.	0.4	7	0	NELCAL	-278	11	3
12	9	9	26	55.6	22.47	-113.46	748	31198.	0.6	4	6	NELCAL	-281	8	3
12	9	9	36	53.6	1.83	-80.09	511	26889.	0.1	0	0	QUITUE	-272	-205	3
12	9	9	37	9.4	1.22	-79.24	513	26618.	0.1	0	0	QUITUE	-283	-213	3
12	9	9	37	24.2	0.66	-78.45	514	26360.	0.1	0	0	QUITOE	-292	-217	3
12	9	10	10	42.7	-31.19	27.82	2579	13083.	0.3	0	6	JOBURG	-109	-309	3
12	9	10	10	42.8	-31.19	27.82	2579	13084.	0.2	7	0	JOBURG	-107	-307	3
12	9	10	11	3.6	-31.00	28.70	2604	13010.	0.2	0	6	JOBURG	-110	-307	3
12	9	10	11	4.0	-30.99	28.72	2604	13014.	0.1	7	0	JOBURG	-104	-301	3
12	9	10	11	18.4	-30.86	29.32	2621	12969.	0.2	0	6	JOBURG	-100	-295	3
12	9	10	11	18.5	-30.86	29.32	2621	12966.	0.2	7	0	JOBURG	-102	-297	3
12	9	11	59	50.1	-24.09	-71.02	988	17946.	0.2	2	7	AGASTA	-255	-116	3
12	9	12	0	2.5	-24.39	-70.32	1001	17789.	0.1	0	0	AGASTA	-283	-139	3
12	9	12	0	2.6	-24.39	-70.32	1001	17787.	0.2	0	6	AGASTA	-284	-141	3
12	9	12	0	17.7	-24.75	-69.47	1017	17629.	0.2	0	6	AGASTA	-286	-138	3
12	9	12	0	17.7	-24.76	-69.46	1017	17628.	0.1	0	0	AGASTA	-286	-138	3
12	9	12	0	17.9	-24.76	-69.45	1018	17633.	0.2	0	5	SNTAGO	-280	-132	3
12	9	12	0	18.2	-24.77	-69.44	1018	17624.	0.2	0	6	AGASTA	-285	-137	3
12	9	12	0	28.5	-25.01	-68.86	1029	17524.	0.2	0	0	AGASTA	-280	-129	3
12	9	12	0	28.7	-25.01	-68.84	1029	17523.	0.2	0	5	SNTAGO	-278	-127	3
12	9	14	19	26.8	-32.86	-71.33	1686	14906.	0.1	0	0	SNTAGO	-212	-162	3
12	9	14	19	26.9	-32.86	-71.32	1686	14906.	0.1	0	5	AGASTA	-211	-161	3
12	9	14	19	52.1	-33.00	-69.93	1719	14667.	0.3	0	5	SNTAGO	-206	-151	3
12	9	14	19	52.2	-33.00	-69.92	1719	14667.	0.1	0	0	AGASTA	-205	-150	3
12	9	14	20	3.4	-33.06	-69.31	1734	14555.	0.1	0	5	AGASTA	-210	-153	3
12	9	14	20	3.7	-33.06	-69.29	1735	14551.	0.1	0	0	SNTAGO	-212	-154	3
12	9	14	20	14.8	-33.11	-68.68	1749	14458.	0.2	0	5	AGASTA	-202	-142	3
12	9	14	20	15.0	-33.12	-68.67	1750	14450.	0.1	0	0	SNTAGO	-206	-147	3
12	9	16	40	52.3	-31.07	-70.27	2556	11008.	0.3	0	5	AGASTA	-132	-104	2
12	9	16	40	52.5	-31.07	-70.26	2556	11005.	0.2	0	0	SNTAGO	-134	-105	2
12	9	16	41	4.3	-30.96	-69.76	2570	10914.	0.3	2	0	SNTAGO	-144	-114	2
12	9	16	41	13.2	-30.87	-69.38	2581	10864.	0.1	0	0	SNTAGO	-133	-103	2
12	9	16	41	23.1	-30.78	-68.97	2593	10796.	0.2	0	5	AGASTA	-134	-104	2
12	9	16	41	23.2	-30.78	-68.96	2593	10797.	0.2	0	5	LIMAPU	-134	-103	2
12	9	16	41	23.3	-30.78	-68.96	2593	10796.	0.2	0	0	SNTAGO	-134	-103	2
12	9	22	53	55.9	-29.01	137.96	1214	32475.	0.1	0	0	WOMERA	-332	346	2
12	9	22	54	18.3	-29.39	139.25	1241	32186.	0.1	0	0	WOMERA	-328	328	2
12	9	22	54	31.8	-29.61	140.04	1258	32004.	0.1	0	0	WOMERA	-329	315	2
12	10	1	13	4.6	-33.49	135.89	1911	25735.	0.2	0	0	WOMERA	-231	312	2
12	10	1	13	41.9	-33.47	137.87	1961	25216.	0.2	0	0	WOMERA	-219	300	2
12	10	2	30	58.4	33.12	-73.33	1967	22495.	0.1	0	0	FTMYRS	-140	20	2
12	10	2	34	25.5	33.46	-62.14	1693	24360.	0.2	0	7	ANTGUA	-180	-32	2
12	10	3	35	17.5	-28.04	136.22	2805	17570.	0.2	0	0	WOMERA	-158	216	2
12	10	3	35	28.5	-27.89	136.64	2817	17465.	0.1	0	0	WOMERA	-155	215	2
12	10	3	35	43.0	-27.71	137.17	2833	17324.	0.1	0	0	WOMERA	-156	210	2
12	10	3	35	55.4	-27.55	137.63	2846	17217.	0.2	5	0	WOMERA	-144	217	2
12	10	4	38	31.4	32.25	-113.55	2172	20077.	0.3	4	6	NELCAL	-150	54	2
12	10	4	38	31.8	32.25	-113.53	2172	20081.	0.1	7	0	NELCAL	-151	52	2
12	10	4	49	19.8	31.74	-78.01	1325	28807.	0.7	6	5	FTMYRS	-174	25	2
12	10	4	49	20.2	31.74	-77.99	1324	28810.	0.3	0	0	BPOINT	-174	26	2

MO	DA	TIME HR	MN	SEC	POSITION LAT	LONG	HGT	MEASURED FIELD	SIG	REMARKS N	L	STATION	MEASURED FIELD -FINCH	-AFSWC	ACTIVITY K(P)
12	10	4	49	30.6	31.63	-77.38	1311	28918.	0.2	0	5	BPOINT	-168	32	2
12	10	4	49	30.9	31.62	-77.35	1311	28920.	0.1	0	0	FTMYRS	-169	31	2
12	10	4	49	40.4	31.51	-76.79	1299	29002.	0.2	0	5	BPOINT	-177	22	2
12	10	4	49	40.6	31.51	-76.78	1299	29002.	0.1	0	0	FTMYRS	-178	21	2
12	10	4	49	50.3	31.40	-76.19	1287	29092.	0.2	0	5	BPOINT	-178	21	2
12	10	4	49	50.7	31.39	-76.17	1286	29097.	0.1	0	0	FTMYRS	-176	23	2
12	10	4	53	52.7	27.46	-61.71	1004	30206.	0.8	0	0	ANTGUA	-291	-76	2
12	10	6	57	48.6	32.59	-116.38	1453	26260.	0.1	0	0	NELCAL	-247	50	2
12	10	6	58	19.6	32.34	-114.56	1413	26742.	0.2	0	0	NELCAL	-257	43	2
12	10	6	58	38.8	32.17	-113.43	1389	27044.	0.3	0	0	NELCAL	-258	43	2
12	10	7	7	28.7	22.31	-82.06	800	32377.	0.1	0	0	FTMYRS	-221	-38	2
12	10	7	7	41.0	21.96	-81.35	789	32383.	0.1	0	0	FTMYRS	-221	-40	2
12	10	7	7	55.9	21.55	-80.50	777	32376.	0.1	0	0	FTMYRS	-226	-45	2
12	10	7	13	23.7	10.87	-62.13	565	29278.	0.1	0	0	ANTGUA	-466	-238	2
12	10	7	13	33.0	10.53	-61.62	561	29117.	0.3	0	0	ANTGUA	-470	-244.	2
12	10	7	13	43.0	10.17	-61.07	557	28938.	0.1	0	0	ANTGUA	-477	-254	2
12	10	7	40	22.5	-33.12	28.29	1659	17721.	1.3	4	7	JOBURG	-190	-505	2
12	10	7	40	33.2	-33.17	28.89	1673	17677.	0.4	7	0	JOBURG	-197	-515	2
12	10	7	40	33.2	-33.17	28.89	1673	17671.	0.3	0	6	JOBURG	-202	-520	2
12	10	9	28	22.6	-0.23	-79.08	510	26069.	0.1	0	0	QUITOE	-289	-212	1
12	10	9	28	41.1	-0.94	-78.09	511	25766.	0.1	0	0	QUITOE	-302	-218	1
12	10	11	50	53.0	-24.99	-70.73	943	18249.	0.2	0	0	AGASTA	-296	-150	1
12	10	11	50	53.0	-24.99	-70.73	943	18247.	0.2	0	5	SNTAGO	-297	-151	1
12	10	11	51	7.5	-25.34	-69.89	959	18092.	0.1	0	5	SNTAGO	-299	-148	1
12	10	11	51	7.6	-25.34	-69.88	959	18090.	0.1	0	0	AGASTA	-300	-149	1
12	10	11	52	18.7	-26.93	-65.75	1035	18013.	0.3	0	7	AGASTA	339	508	1
12	10	11	52	29.7	-27.16	-65.10	1047	17278.	0.3	0	5	AGASTA	-289	-119	1
12	10	11	52	29.7	-27.16	-65.10	1047	17275.	0.1	0	6	AGASTA	-293	-123	1
12	10	11	52	29.8	-27.16	-65.10	1047	17273.	0.2	0	0	SNTAGO	-294	-123	1
12	10	14	10	37.1	-33.18	-69.71	1640	15081.	0.	0	0	AGASTA	-208	-147	0
12	10	14	10	59.8	-33.27	-68.43	1670	14854.	0.1	0	5	SNTAGO	-207	-142	0
12	10	14	10	59.9	-33.27	-68.43	1670	14854.	0.1	0	0	AGASTA	-207	-142	0
12	10	14	11	25.4	-33.35	-67.00	1704	14605.	0.	0	0	SNTAGO	-208	-139	0
12	10	16	31	37.8	-30.51	-69.51	2484	11164.	0.1	0	0	AGASTA	-139	-106	1
12	10	16	31	38.1	-30.51	-69.50	2484	11163.	0.1	0	5	SNTAGO	-137	-104	1
12	10	16	32	11.4	-30.15	-68.09	2524	10941.	0.2	0	0	SNTAGO	-125	-91	1
12	10	16	32	44.2	-29.78	-66.73	2564	10717.	0.1	0	5	SNTAGO	-129	-93	1
12	10	16	32	44.5	-29.78	-66.71	2564	10714.	0.1	0	0	AGASTA	-130	-94	1
12	10	22	44	15.8	-28.99	136.06	1114	33919.	0.1	0	0	WOMERA	-382	348	1
12	10	22	44	35.8	-29.34	137.25	1137	33682.	0.1	0	0	WOMERA	-364	345	1
12	10	22	44	51.2	-29.59	138.17	1155	33488.	0.3	0	0	WOMERA	-356	337	1
12	10	22	45	5.8	-29.83	139.04	1172	33293.	0.1	0	0	WOMERA	-352	325	1
12	11	1	3	41.5	-33.48	135.76	1818	26649.	0.1	0	0	WOMERA	-276	287	0
12	11	1	4	11.4	-33.44	137.38	1857	26200.	0.2	0	0	WOMERA	-274	269	0
12	11	2	19	56.3	32.82	-78.16	2189	20806.	0.4	0	0	BPOINT	-109	46	0
12	11	2	20	26.7	32.97	-76.67	2150	21108.	0.2	0	0	BPOINT	-111	45	0
12	11	4	40	13.9	31.33	-77.66	1393	27920.	0.2	0	5	BPOINT	-127	68	2 *
12	11	4	40	14.2	31.33	-77.64	1393	27922.	0.1	0	0	FTMYRS	-127	67	2
12	11	4	40	24.0	31.21	-77.07	1380	28004.	0.1	0	0	BPOINT	-135	59	2
12	11	4	40	24.9	31.20	-77.02	1379	28015.	0.3	0	7	FTMYRS	-133	61	2
12	11	4	40	33.7	31.09	-76.51	1368	28095.	0.1	0	5	FTMYRS	-131	63	2
12	11	4	40	34.1	31.09	-76.49	1368	28096.	0.1	0	0	BPOINT	-134	61	2
12	11	4	40	44.0	30.96	-75.91	1355	28184.	0.1	0	0	FTMYRS	-133	62	2
12	11	4	40	44.0	30.96	-75.91	1355	28185.	0.2	0	5	BPOINT	-132	62	2
12	11	4	44	52.4	26.74	-61.50	1058	29285.	0.1	0	0	ANTGUA	-250	-40	2
12	11	5	11	48.5	-25.81	28.13	922	22048.	0.2	7	7	JOBURG	-496	-669	2
12	11	5	11	58.3	-26.03	28.70	932	22017.	0.2	7	7	JOBURG	-493	-688	2
12	11	5	12	8.7	-26.27	29.32	942	21992.	0.2	7	7	JOBURG	-481	-700	2
12	11	5	12	18.2	-26.48	29.89	952	21965.	0.	7	7	JOBURG	-476	-715	2
12	11	6	59	26.5	19.80	-78.93	793	31370.	0.2	0	6	FTMYRS	-200	-30	2
12	11	6	59	27.3	19.78	-78.89	792	31370.	0.1	0	0	FTMYRS	-199	-29	2
12	11	9	19	33.1	-1.52	-79.15	513	25576.	0.1	0	0	QUITOE	-277	-193	2
12	11	9	19	41.6	-1.84	-78.69	513	25454.	0.1	0	0	QUITOE	-278	-191	2
12	11	9	20	9.2	-2.90	-77.21	513	25032.	0.1	0	0	QUITOE	-299	-200	2
12	11	11	41	55.1	-25.79	-70.60	900	18550.	1.7	0	7	AGASTA	-354	-204	2

11K

TIME					POSITION			MEASURED		REMARKS			MEASURED FIELD		ACTIVITY
MO	DA	HR	MN	SEC	LAT	LONG	HGT	FIELD	SIG	N	L	STATION	-FINCH	-AFSWC	K(P)
12	11	11	42	8.8	-26.11	-69.78	913	18596.	1.6	0	7	AGASTA	-164	-8	2
12	11	14	0	24.0	-33.05	-73.07	1483	16125.	0.7	0	5	AGASTA	-255	-209	1
12	11	14	0	24.2	-33.05	-73.06	1483	16128.	0.5	0	0	SNTAGO	-249	-204	1
12	11	14	1	7.1	-33.25	-70.55	1539	15649.	0.1	0	5	SNTAGO	-249	-189	1
12	11	14	1	7.3	-33.25	-70.54	1539	15649.	0.1	0	0	AGASTA	-249	-188	1
12	11	14	1	21.7	-33.30	-69.71	1558	15491.	0.3	0	5	AGASTA	-250	-185	1
12	11	14	1	22.3	-33.30	-69.67	1559	15488.	0.1	0	0	SNTAGO	-246	-181	1

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