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Simple Nocturnal Slope Flow Data From the Rattlesnake Mountain Site

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FROM THE RATTLESNAKE MOUNTAIN SITE

T.W. HORST
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OCTOBER 1982

Prepared for
the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830

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ABSTRACT

Detailed vertical profiles of the wind and temperature structure of nocturnal slope flows have been measured at a site that is uniform in the cross-slope direction. The upper part of the slope closely approximates a simple, tilted plane. These measurements were made from three towers at different distances from the ridge crest, each of which extended through the local depth of the katabatic flow. This report lists the tower wind and temperature data from the four best cases of slope flow observed in 1980 and 1981, as well as ambient wind and temperature profiles to a height of 300m from a Tethersonde flown at the experimental site and surface winds from a network of stations surrounding the site.

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I. INTRODUCTION

Measurements of the wind and temperature structure of nocturnal slope flow were made on Rattlesnake Mountain near Richland, Washington during the summers of 1980 and 1981. These measurements were made as part of Project ASCOT (Atmospheric Studies in Complex Terrain), a multi-laboratory research effort sponsored by the U. S. Department of Energy.

ASCOT's initial focus has been on nocturnal drainage winds. Drainage winds begin when air adjacent to a sloped surface flows down the slope because it is cooled more, and is denser than, the free air at some distance from the surface. These slope winds commonly merge and are channeled by the topography to form larger-scale drainage or mountain winds, but the Rattlesnake Mountain site was selected for measurements of slope flow in the simplest possible geometry.

This report lists the data from the four best cases observed during 1980 and 1981: June 19-20 and July 1-2, 1980, and July 2-3 and October 16, 1981. The measurement site and instrumentation are described in Section II and the four cases are described in Section III. The actual data listings are contained in Sections IV-VI.

II. SITE AND INSTRUMENTATION

The Rattlesnake Mountain site used for these measurements forms a nearly ideal tilted plane, covered with 20-30 cm bunchgrass and scattered sagebrush with heights of 1-1.5 m. The estimated roughness length of the site is of the order of a few cm. A ridge 595m above m.s.l. runs for nearly 2 km from northwest to southeast. To the northwest the ridge then rises to a height of 1087m m.s.l. in 6.3 km, and falls to 140m m.s.l. at a distance of 2.7 km to the southeast. Within the level 2 km stretch, the slope falls away quite uniformly to the northeast for a vertical drop of 170m, with an average slope of 21 degrees. At this point there is a rather abrupt change in the slope to an angle of approximately 8 degrees, after which there is a continued, gradual leveling of the pitch (Figure 1).

The detailed topography of the site may be found on U.S. Geological Survey maps. The site is located near the NE corner of the 7 1/2' Corral Canyon quadrangle at UTM coordinates 5136 N and 306 E. Surrounding 7 1/2' maps are (clockwise from north): Iowa Flats, Horn Rapids, Benton City, Webber Canyon, Whitstran NE, Whitstran, Snipes Creek, and Snively Basin. The 7 1/2' Corral Canyon map is the SE quarter of the 15' Corral Canyon quadrangle. Surrounding 15' maps are: Coyote Rapids, Hanford, Richland, Badger Mountain, Whitstran, Prosser, Grandview, and Priest Rapids.

Three towers, labeled A, B, and C in Figure 1, were erected on the Rattlesnake site to measure the development of slope flow with downslope distance. Towers A and B were placed on the upper, steeper slope, and a Tethersonde base station and tower C were located on the lower slope. For each observation site, Table 1 lists the elevation above m.s.l., the azimuth from bench mark 1109 (at the intersection of Sections 11,12,13,14 of T10N,R26E), the vertical drop from the top of the ridge, the local slope angle, and the distance along the slope from the ridge top to the site.

Table 1. Locations of Rattlesnake observation sites.

<u>Site</u>	<u>Elevation</u>	<u>Azimuth</u>	<u>Vertical Drop</u>	<u>Slope Angle</u>	<u>Slope Distance</u>
A	526 m	228 deg	69 m	21 deg	193 m
B	444	226	151	21	422
T-sonde	401	222	194	8	647
C	366	211	229	8	898

Towers B and C were instrumented with Gill 3 component anemometers and aspirated YSI thermistors. The Gill anemometers used 23 cm diameter propellers with a threshold of 10-20 cm/sec and a response distance of 1m. The aspirated YSI thermistors have a response time of 2-3 sec. During the spring and summer of 1980, tower A was equipped only with thermistors, but in 1981 these were replaced with Climet cups, vanes and aspirated thermistors. The Climet cups (model 011-1) have a threshold of

30 cm/sec and a response distance of 1.5m. The vanes (model 012-10) have a threshold of 35 cm/sec and a response distance of 1m. Data from the tower-mounted instruments were recorded once per 1.8 seconds in 1980 and once per second in 1981.

Instrument heights were changed between the 1980 and 1981 measurements, and additional levels were included. Table 2 gives the variable recorded and the nominal measurement heights for each year. The actual measurement heights (normal to the surface) are listed with the data. Soil temperatures (YSI thermistors) and net radiation (Micromet net radiometers) were also recorded during some of the measurements. Net radiation was measured at a height of 1m on tower C in 1980 and at heights of 1m and 15m on tower B in 1981. The tower data are listed in Section IV.

Table 2. Nominal heights (m) of wind and temperature measurements

<u>Tower</u>	<u>1980</u>	<u>1981</u>
A	T only: 1, 2, 4, 6	(T: Sfc, 1, 2), (Wnd: .75, 1.5, 2.5), 3.5, 5, 12
B	1, 2, 4, 7, 10	Sfc(T only), 1, 2, 3.5, 5, 8, 15
C	1.5, 3, 6, 10, 18	Sfc(T only), 1.5, 3, 6, 10, 18

The Tethersonde was used to monitor ambient wind speed and direction, temperature and relative humidity up to heights 500 m above the base station. Data were recorded once every 10-20 seconds from the Tethersonde. A complete profile (up and down) with the sonde was taken approximately once per hour. The Tethersonde data are listed in Section V.

Supplementary surface winds are available from the Hanford Telemetry Network shown in Figure 2. This network consists of 22 stations deployed around the Hanford reservation and roughly centered on Station 21, the Hanford Meteorology Station (HMS). Each station transmits hourly averages of wind speed and direction measured at a height of 9.15m. Table 3 lists the station names, locations and elevations. The Rattlesnake experimental site is located in the south-central portion of the network, about 24 km SSE of HMS.

Figure 1. Topography and cross-section of the Rattlesnake site

Figure 2. Hanford telemetry station sites

Table 3. Locations of Hanford telemetry stations

Station	Name	Elevation	UTM Coordinates Zone 11	
		MSL(m)	km North	km East
1	Prosser Barricade	146	5140.20	314.65
2	EOC	378	5140.60	305.00
3	Army Loop Road	172	5151.30	304.45
4	Rattlesnake Springs	207	5153.60	292.90
5	Edna	122	5161.80	316.40
6	200E	204	5158.70	306.80
7	200W	201	5157.40	298.35
8	Wahluke	258	5179.35	283.30
9	FFTF	168	5145.15	319.20
10	Yakima Barricade	242	5161.65	291.20
11	300 Area	122	5136.80	324.20
12	WYE Barricade	168	5150.20	316.40
13	100N	146	5171.90	304.00
14	WPPSS	137	5148.70	320.15
15	Franklin County	269	5142.60	328.05
16	Gable Mt.	331	5163.50	311.20
17	Ringold	189	5156.75	328.50
18	Richland Airport	119	5129.85	322.85
19	Sagehill	300	5169.25	324.10
20	Rattlesnake Mt.	1087	5140.90	300.60
21	HMS	223	5159.70	300.85
22	Pasco Airport	122	5125.20	336.90

The telemetry network data are listed in Section VI. Streamline analysis of this data is shown for a selected hour during each experiment in Figures 3-6. It should be noted that the wind speed at Station 20 is treated separately in these analyses. This station, situated on the narrow ridge crest of Rattlesnake Mt. at 1087m, is more representative of the synoptic than the local scale flows.

III. Case Description

The data selected for inclusion in this document were taken during four nights of observation. In each case there is evidence of the occurrence of drainage winds for at least a portion of the observation period. The criterion used for this identification is the presence of a jet, i.e., a local maximum in the vertical profile of the downslope component of the tower wind. The downslope component u corresponds to a direction of 225 degrees (wind from SW) and the cross-slope component v corresponds to 135 degrees (wind from SE). In general there is a significant cross-slope wind at all times, although its magnitude relative to the u component varies considerably. Pure slope winds, devoid of any cross slope "contamination", were not obtained.

For each case a brief summary is given below of the synoptic situation, the surface winds over the Hanford area from the telemetry network, the Tethersonde observations at the experimental site, and the wind and temperature profiles from tower B. Tower B was located on the portion of the slope that was relatively constant in angle right up to the ridge line, whereas tower C was below the point at which the slope had a discontinuity in angle. Hence, the data at tower B are more properly representative of simple slope characteristics, while that at tower C would be expected to exhibit convergence effects.

All times are Pacific Standard Time (PST).

June 19-20 (Days 171-172), 1980: 1841-0251 PST

At 1600 PST, June 19 a rather weak high pressure area was off the WA coast. Inland a thermal trough extended from CA up through central OR, and there was a small low in southern BC as an extension of the trough. The sea-level pressure difference between Seattle and Hanford was only -3mb. Surface winds at reporting stations in eastern WA were easterly to southerly and light. Broken to overcast high cloudiness covered the Hanford area, but was thin except for 3 hours after 1900 PST.

By 2200 on June 19 the thermal trough had moved about 100 miles east and was now in eastern OR with the northern portion over the Hanford area. Pressure differences remained at -3mb between Seattle and Hanford and -2mb between Spokane and Hanford. The temperature which had been 30 deg C at 1600 had cooled to 21 deg C at 2200. Shortly after midnight altocumulus and altocumulus castellatus clouds were reported at the Hanford Meteorology Station (HMS), indicating an increase of moisture at intermediate levels.

By 0400 on June 20 the thermal trough had broadened into western ID. Pressure differences between Seattle and Hanford and between Spokane and Hanford were -3.8mb and -2.2mb, respectively -- still quite weak. The layer of intermediate cloudiness observed at HMS persisted and had become broken by 0500 PST.

Surface winds at HMS were light and variable until midnight; after midnight they were 2-4 m/s from the W and NW. Before sunset low-level wind flow at telemetry stations near the experimental site was from the NE to E with speeds of 2.5 m/s or less. After sunset the wind shifted to between W and N with speeds of 2-3 m/s. This flow continued for the remainder of the night. During the period 2000-2200 PST a slight backing of the low-level wind from northerly to more northwesterly was observed.

At the experimental site, Tethersonde ascents were made at roughly 2300, 0000, 0045 and 0130 PST. They showed a surface wind direction of WNW, shifting to N in the first 50m above the surface and then to NE at a

Figure 3. Hanford streamline analysis, 2100 June 19, 1980

Figure 4. Hanford streamline analysis, 0000 July 2, 1980

height of 250-350m. The wind speed between 25m and 300m was initially 3-7 m/s but decreased after midnight to 2-4 m/s. The potential temperature profile from 50m to 300m was adiabatic to stable at 1-2 K/km.

At tower B there was steady cooling at 0.5 deg C/hr from 1830 until 0100, after which the temperature remained fairly constant. The inversion strength, $T(9m) - T(1.2m)$, increased from 0.5 deg C at 1840 to almost 2 deg C at 1930, and then decreased slowly to 1.2 deg C after 2130.

From the beginning of the data collection period through 2000 a jet was observed at the 2m level. The cross-slope component was significant, but at the lowest level of measurement it was smaller than u. At 2000 the maximum in u dropped to the lowest level, 1.2m, and stayed there for about 40 minutes, after which it rose to 2m again. Around 2040 the v component also began to increase significantly, and by 2110 it was larger than the u component at all levels. By 2230, the u component at the highest level on tower B was upslope, but a jet remained at 2m. From 2330 until 0200 the jet occurred at the lowest level. The v component slowly decreased during this period, but remained strong compared to u, and around 0200 began to increase once more.

July 1-2 (Days 183-184), 1980: 1920-0200 PST

At 1600 PST, July 1, a thermal trough of low pressure extended northward east of the Cascade Mountains from OR, through WA and into BC. Afternoon temperatures were near 30 deg C in eastern WA and only slightly cooler in the Puget Sound area. Low stratus clouds along the WA coast were beginning to penetrate inland, accompanying cooler air which would reach Puget Sound the following day. The sky was clear in eastern WA all evening on July 1, allowing 11 deg C of radiational cooling of the HMS 1m temperature by midnight. Low level winds were easterly over the Hanford area at 1600. Northeast winds held steady at 1.5-4 m/s until 2200 at HMS, becoming southeasterly at 0-4 m/s after that time.

By 2200 PST surface pressure had risen at stations west of the

Cascades, but in eastern WA little or no change was reported. The Seattle-Hanford pressure difference had increased from -2.2mb at 1600 to -4.6mb at 2200, but the Spokane-Hanford pressure gradient increased by only 0.2mb during the same period. A weak trough was approaching WA from the northwest, bringing an increase in mid level moisture and causing the air mass over eastern WA to become more unstable. Alto cumulus and thin cirrus clouds began to increase after midnight as this trough came closer. At 0200, 6/10 thin cloud cover was noted at the experimental site. The middle cloud layer became broken (>5/10) by 0300 and effectively terminated the radiational cooling.

The low-level wind at EOC, the telemetry station nearest the experiment site, had slowly backed from the E and was S by 2200; this backing trend continued throughout the night and by 0400 PST the wind was WNW at 2 m/s. The wind direction at the Rattlesnake Observatory displayed the same trend, but speeds were in the 7-9 m/s range from 2200 to 0300.

At 0400 on July 2 the Seattle-Hanford pressure difference had increased to -6.8mb and the Spokane-Hanford difference had increased to -2.9mb. A closed isobaric circulation had formed near the Hanford area, and there was evidence of weak frontogenesis taking place in the narrowing trough. Thunderstorms were reported at Redmond, OR and rain showers occurred at Hanford in the morning.

Seven Tethersonde ascents were made this night between 1945 and 0130. They showed a surface wind direction of SSW, shifting about 2230 to WSW. This corresponded to a more gradual shift in the wind direction above 100m from SSE to WSW, and a decrease in the ambient wind speed around 2300 from 2-4 m/s to 1-2 m/s. The ambient potential temperature gradient varied from 2 to 4 K/km.

The 1.2m level on tower B cooled at 0.5 deg C/hr from 1920 until 0100, but the 9m level did not cool until after 2300. Consequently the inversion strength, $T(9m) - T(1.2m)$, increased from 2 to 4 deg C between 1920 and 2130, stayed constant until 0030, and then decreased to 3 deg C

at 0150.

From the start of the recording period there is evidence of a jet at 2m on tower B, together with a significant cross-slope component. By 2140, however, u was larger than v at all levels. Around 2220 v decreased and became fairly weak; it remained so until approximately 0000 when it started to pick up again. The u component also increased around the same time so that the jet became less pronounced. Around 0100 the maximum in u appeared to rise to about 4m and was slowly eroded so that it was no longer apparent by the end of the data period.

July 2-3 (Days 183-184). 1981: 1813-0345 PST

At 1600 PST on July 2 the surface weather chart for the northwest U.S. shows high pressure ridges along the continental divide and offshore WA. Between these ridges a warm trough extended from OR to southern WA and a weak frontal trough, also warm, reached to southern BC from the north. The Seattle-Hanford and Spokane-Hanford pressure differences were quite weak, -0.9mb and -1.4 mb respectively. Pressure was falling over the entire state. A scattered (<5/10) layer of thin cirrus cloud was noted at HMS, which increased by 2200 to broken with a lower thin scattered layer. The thin clouds probably inhibited, but did not prevent, radiational cooling after sunset. At the experimental site, skies were clearing at 2200 and were pretty well cleared by 2340. By midnight the 1m temperature at HMS had cooled 13 deg C. Low-level winds were light, 1.5-3 m/s, over the Hanford area and were generally from the north quadrant, varying from NW at most telemetry sites in the northwest portion of the network to N-NE elsewhere.

By 2200 PST the Hanford area was under a pressure col with low pressure troughs north and south and high pressure ridges east and west. Seattle-Hanford and Spokane-Hanford pressure differences had increased to -2.1mb and -3.1mb, respectively. The two layers of thin cirrus cloud observed at HMS covered 5/10 to 7/10 of the sky until after 0400 July 3, and then dissipated.

Low-level winds were light throughout the period; at the Rattlesnake Observatory, wind direction and speed were particularly constant from 2100 to 0400 at 1 m/s from the SW. At EOC the direction was more westerly, mostly about 280 degrees, with speeds of 3-4 m/s near 2200 decreasing to 1.5 m/s by 0100 and remaining less than 2 m/s for the remainder of the night.

By 0400 PST July 3 a narrow lobe of the coastal high pressure area extended inland along the WA Cascades and into central OR. The Rocky Mt. ridge of high pressure had moved little. A narrow trough of low pressure reached northward from NV through eastern WA to BC, where it joined a weak cold front just north of the WA/Canada border. A broader inverted trough lay along the OR coast. Seattle-Hanford and Spokane-Hanford pressure differences were -1.2mb and -2.2mb, a decrease since 2200. Low-level winds at the Prosser Barricade and EOC had veered more towards N and NW, but speeds remained 2 m/s or less. Wind flow over the Hanford area at 0400 appears to define a microscale trough across the area from N to SSE.

Eleven Tethersonde ascents were made this night between 1950 and 0340. Prior to midnight the surface winds were from the W, shifting to NNW to N above 50m. The ambient wind speed decreased from 4-5 m/s at 2000 to 2-3 m/s after about 2120, while the ambient potential temperature gradient increased from less than 1 to 1.3 K/km.

After midnight the layer below about 175m cooled more rapidly than that above, forming a sharp inversion at that height. Winds below this height were very light to calm, except in the surface katabatic layer where the wind direction shifted to WSW. The potential temperature gradient increased to an average of 3.4 K/km, becoming as large as 6 K/km around 0130 when mixing temporarily eliminated the sharp inversion at 175m. The winds above 175m remained from the N at 2-3 m/s until about 0130, after which they shifted to ENE at less than 2 m/s.

At tower B there was rapid cooling before 1900; afterward the 1m level cooled at 0.5 deg C/hr, but the 7.6m level cooled at the smaller

Figure 5. Hanford streamline analysis, 2300 July 2, 1981

rate of 0.3 deg C/hr. This cooling continued until midnight, when there was a sudden temperature drop of 2 deg C in 30 minutes, after which the temperature was fairly constant. The inversion strength, $T(7.6\text{m}) - T(1\text{m})$, increased steadily from 1 deg C at 1900 to almost 3 deg C at 0200, but with 15 minute fluctuations of almost 1 deg C.

Early in the period, the winds at tower B were up-slope and cross-slope, but they soon became down-slope with a strong cross-slope component. There was evidence of a jet at 1.9m on tower B. The downslope component weakened between 2000 and 2130, but v remained strong and the near-surface maximum in u persisted. Between 2130 and 2215 u increased and then dropped again. Around 2330 the jet dropped to the 0.93m level and remained there. There was a problem with the data logger around 0230, and when recording resumed around 0300 the jet was still at the lowest level. After 0230 the v component was generally smaller than u , especially at the lower levels on the tower. In summary, there was good evidence of drainage winds during most of the night, with the cross-slope component gradually decreasing, especially after midnight.

October 16 (Day 289), 1981: 1510-2215 PST

At 1600 PST October 16 a large high pressure area was centered off the WA coast at 48 deg N, 130 deg W. Pressure differences from Seattle and Spokane to Hanford were -5.9mb and -0.8mb respectively, and the pressure changes in WA had been slight during the previous 3 hours. A minor amount (1/10 to 2/10) of thin cirrus cloud was present, and even that disappeared after midnight. Radiational cooling began at sunset and the 1m temperature at HMS had cooled 12 deg C by 2200.

There were gaps in the EOC wind record during the evening hours; it appears that most of the time the wind was in the NW quadrant at less than 1 m/s. At the Prosser Barricade station the wind was mostly in the NW quadrant after 1900 (NE at 1 m/s at 2300) until 0300 Oct 17. At the Rattlesnake Observatory the wind shifted gradually from SW to N between

Figure 6. Hanford streamline analysis, 2000 October 16, 1981

1600 and 2300 and remained from the N the rest of the night. Speeds over the lower portions of the mountain were 7-9 m/s after 2200 but less than 5 m/s prior to 2200. The local flow pattern was from the SE to E at 1600, but by 1900 winds had shifted to westerly.

The surface high pressure area continued to build inland over northern WA and BC during the six hour period ending at 2200. The Seattle and Spokane to Hanford pressure differences were then -4.4mb and +1.2mb.

The sky over the Columbia Basin remained clear the rest of the night. The pressure differences from Seattle and Spokane to Hanford continued to weaken as the surface high traveled eastward over the northern part of the state. Local wind flow became quite disorganized by 0400 PST on Oct 17. As was mentioned, however, the wind over the crest of Rattlesnake Mt. shifted to more northerly and increased in speed.

Tethersonde ascents were made at 2000 and 2100. The first showed a surface wind from WSW and westerly winds at 3-5 m/s between 100m and 250m. Winds above 250m were from the NW and the potential temperature gradient was 2 K/km. The second ascent showed winds at all levels from NNW at 1-3 m/s.

At tower B there was some cooling from 1630 to 1800, but from 1800 to 1930 the temperature increased by 2 deg C and then cooled again by the same amount from 1930 to 2200. The inversion strength, $T(9m) - T(2m)$, increased from 0.5 deg C at 1900 to 2 deg C at 1945, and then decreased to 0.5 to 1 deg C after 2030.

The period began with down-slope flow and some weak cross-slope flow. The downslope component was reasonably strong, but there was no evidence of drainage winds at tower B. Around 1630 the cross-slope component began to pick up. At 1830 u decreased and began to exhibit a jet with a maximum at 1.9m, but at 1930 u increased and the jet rose to 3.2m and became less pronounced. At 2015 u decreased again and the jet dropped to 1.9m for the remainder of the data record.

IV. Tower Data

The data collected in 1980 and 1981 and the summaries presented here were afflicted with a number of problems, inconsistencies and idiosyncracies. Fortunately, most of these are minor and do not affect the usefulness of the data. In this section we will draw attention to known errors, and also present some supplementary information that may aid in the interpretation and analysis of these data.

General Comments

One of the more obvious differences in the 1980 and 1981 data summaries is the difference in format. There is no particular significance that should be attached to this; instead, it was merely a matter of convenience to summarize the information in the manner shown and a matter of inconvenience to go back and reduce everything to a common format.

In the tower data which follow, two separate time conventions are used, and they are related to the particular way in which the data were processed. For the 1980 tower data all times refer to the starting times of 10 minute averaging periods, while for the 1981 tower data the times are the ending times of 15 minute averaging periods. All times are Pacific Standard Time.

Two features common to both the 1980 and 1981 data are:

All heights listed are actually distances normal to the local slope, rather than vertical distances. The difference is negligible at tower C but is approximately 7% at towers A and B.

The convention for wind components (listed in m/s) is that the u component is positive when the wind is blowing downslope from 225 degrees, while the v component is positive if the wind is blowing from 135 degrees. The wind vector has been rotated so that u is the component of the wind parallel to the local slope while w is the component normal to the slope. A positive w points away from the surface.

In several instances there are known or suspected errors in the data. When a known error has occurred, the data entries are replaced by a series of 9s, e.g., 9.99 or 999. When an error is suspected but the values are still believed to be indicative of the general behavior of the atmosphere, a precautionary note is given here and the data are listed. Under such circumstances, the data may be useful to indicate trends at a given location, but it would be unwise to use them for comparisons with similar quantities at other heights. For example, one might use questionable data to estimate cooling rates at a given height, but not for estimating inversion strengths or Richardson numbers.

There are a number of points to be noted about the 1980 data in general, and these are followed by some specific comments about each of the 1980 cases. A similar procedure is then followed for the 1981 cases.

1980 Data

In 1980, the heights listed for tower C are nominal heights only. In fact, the wind and temperature measurements were taken at slightly different elevations as shown in table 4 below.

Table 4. 1980 Instrument heights (m) for tower C

<u>Nominal Height</u>	<u>Temperature Height</u>	<u>Wind Speed Height</u>
17.3	16.6	17.5
9.8	9.4	9.9
6.0	5.4	6.1
2.7	2.5	2.7
1.4	1.4	1.4

The depths at which soil temperatures were recorded were 1, 3 and 7 cm, reading from left to right on the computer summaries.

The angle PHI listed under the data for towers B and C is the angle that the net downslope component of the wind makes with the horizontal. This was calculated before the wind components were rotated into the plane of the local slope. Hence, if the wind were truly parallel to the slope,

PHI would have a value near -21 degrees at tower B and near -8 degrees at tower C. Large deviations from these values indicate either that the wind was not parallel to the local slope or that the anemometer arm used to measure the vertical component of the wind was possibly misaligned.

The angle theta, listed as TH in the summaries, is the angle the horizontal component of the wind makes with the local downslope direction, assumed to be 225 degrees in all cases.

There was a problem with an offset voltage in the net radiation channel during the 1980 measurements. After the observations of days 183-184 it was noted that an offset correction of 0.018 volts was required. This correction has been included in the radiation values for these days. No offset correction was made for the data of days 171-172; however, it is possible that the 18 mv offset was present that night as well. If so, 22 watts per square meter should be added to the net radiation values given for that time period.

On days 171-172, the temperature readings at 4m on tower B gave clearly erroneous values and should be discarded. The temperatures have been replaced by 999.9 in the data listings.

On days 183-184, the v component at 2m on tower B apparently was no longer recorded after approximately 2230. The indicated value in the data summary after that time has been set to 9.99 and the associated direction angle TH has been set to 999. Since the algorithm used to correct anemometer readings for propellor non-cosine response couples the u and v components, the u readings would also be affected. Between 2230 and 0000 the u reading at 2m would not be seriously affected, since the v component can be seen to be small from the other levels of the tower. However, after 0000 the v component increases, and the u component must also be regarded as inaccurate.

1981 Data

Soil temperatures were not recovered in the 1981 cases and are, therefore, not listed in the data summaries. The angle DIR is simply the direction of the horizontal wind component, with the downslope direction being approximately 225 degrees.

The anemometry on tower A was often temperamental. It appears that the speed and direction values at 10.65m and 3.16m are in error, and the values at 1.37m are open to question as well. For the 10.65m and 3.16m levels, values of 9.99 have been assigned for the u and v components, and the direction values have been set to 999.

For days 183-184, the temperature at 0.87m on tower A is not reliable and may be in error by a degree or so. Field notes show that the aspirators at 13.75m on tower B and 0.31m on tower C were not working when they were checked about two weeks later. Hence, the temperatures recorded at these levels must be regarded as suspect as well. This seems to be especially true for the 13.75m level on tower B, which is inconsistent with the remainder of the temperature profile.

The net radiation measurements on these days also look peculiar, primarily because of their remarkable constancy. We have no evidence that there was actually a malfunction in the equipment, but it may be worth noting this rather odd feature.

For day 289, the temperature at the 0.95m level on tower B is in error, and has been set to 999. The net radiation measurements also failed during this measurement period. The vertical component of the anemometer at the 3.21m level on tower B gave a zero reading during this time, but since the wind component normal to the slope (w) is largely a result of the horizontal wind projected on the normal axis, the resultant error should be small.

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TOWER A				TOWER B				TOWER C							
DAY 171 STARTING TIME 18140148															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.3	9.1	301.7	-0.19	-1.89	0.33	-96.	99.	17.3	301.5	0.10	-1.80	0.30	-87.	63.
3.8	301.1	6.4	301.4	-0.00	-1.85	0.41	-90.	70.	9.8	301.2	1.14	-1.47	0.11	-52.	-3.
2.0	300.8	4.0	999.9	0.43	-1.61	0.21	-75.	5.	6.0	300.7	1.39	-1.46	0.46	-46.	10.
1.1	300.4	2.0	301.2	0.72	-1.34	0.27	-62.	0.	2.7	300.4	1.41	-0.92	0.44	-33.	9.
		1.2	301.0	0.71	-1.05	0.21	-56.	-4.	1.4	300.0	1.29	0.05	-0.23	2.	-18.
SOIL TEMPERATURES:		30.6	30.9	30.5	NET RADIATION=-4.4W/M**2										
DAY 171 STARTING TIME 18150148															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.3	9.1	301.7	0.30	-2.48	0.50	-83.	38.	17.3	301.7	1.03	-2.54	0.48	-68.	17.
3.8	301.0	6.4	301.4	0.42	-2.41	0.53	-80.	30.	9.8	301.4	1.57	-2.24	0.19	-55.	-1.
2.0	300.7	4.0	999.9	0.83	-1.99	0.21	-67.	-6.	6.0	300.8	1.53	-2.02	0.55	-53.	11.
1.1	300.2	2.0	301.0	1.01	-1.55	0.25	-57.	-7.	2.7	300.4	1.29	-1.37	0.47	-47.	12.
		1.2	300.8	0.97	-1.21	0.16	-51.	-11.	1.4	300.1	1.15	-0.28	-0.47	-13.	-31.
SOIL TEMPERATURES:		30.2	30.6	30.3	NET RADIATION=-16.4W/M**2										
DAY 171 STARTING TIME 1910148															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.2	9.1	301.5	0.35	-2.14	0.45	-81.	32.	17.3	301.7	0.93	-2.29	0.33	-68.	11.
3.8	300.9	6.4	301.2	0.48	-2.08	0.46	-77.	23.	9.8	301.4	1.65	-2.21	0.08	-53.	-5.
2.0	300.4	4.0	999.9	0.92	-1.76	0.19	-63.	-9.	6.0	300.7	1.88	-2.06	0.49	-48.	6.
1.1	299.9	2.0	300.8	1.15	-1.33	0.24	-49.	-9.	2.7	300.0	1.80	-1.25	0.41	-35.	5.
		1.2	300.4	1.14	-0.99	0.15	-41.	-13.	1.4	299.5	1.57	-0.14	-0.31	-5.	-20.
SOIL TEMPERATURES:		29.7	30.3	30.1	NET RADIATION=-34.4W/M**2										
DAY 171 STARTING TIME 19110149															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.1	9.1	301.5	0.62	-2.12	0.47	-74.	17.	17.3	301.8	1.18	-2.32	0.35	-63.	8.
3.8	300.7	6.4	301.2	0.73	-2.08	0.46	-71.	11.	9.8	301.6	1.85	-2.24	0.06	-50.	-6.
2.0	300.2	4.0	999.9	1.20	-1.74	0.20	-55.	-11.	6.0	300.9	2.11	-2.11	0.44	-45.	4.
1.1	299.6	2.0	300.6	1.51	-1.20	0.24	-39.	-12.	2.7	299.9	2.04	-1.22	0.36	-31.	2.
		1.2	300.1	1.48	-0.88	0.13	-31.	-16.	1.4	299.3	1.73	-0.11	-0.28	-4.	-17.
SOIL TEMPERATURES:		29.2	29.9	29.9	NET RADIATION=-47.4W/M**2										
DAY 171 STARTING TIME 19120149															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.1	9.1	301.6	0.63	-1.94	0.51	-72.	18.	17.3	301.8	1.27	-2.26	0.37	-61.	8.
3.8	300.8	6.4	301.3	0.77	-1.89	0.46	-68.	10.	9.8	301.6	1.88	-2.15	0.07	-49.	-6.
2.0	300.1	4.0	999.9	1.32	-1.63	0.19	-51.	-13.	6.0	300.9	2.18	-2.03	0.49	-43.	4.
1.1	299.5	2.0	300.5	1.74	-1.04	0.26	-31.	-12.	2.7	299.5	2.14	-1.10	0.38	-27.	2.
		1.2	299.9	1.67	-0.70	0.14	-23.	-16.	1.4	298.8	1.78	-0.05	-0.21	-2.	-15.
SOIL TEMPERATURES:		28.7	29.6	29.7	NET RADIATION=-54.4W/M**2										
DAY 171 STARTING TIME 19130149															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.0	9.1	301.5	0.77	-2.32	0.53	-72.	14.	17.3	301.8	1.33	-2.60	0.43	-63.	9.
3.8	300.7	6.4	301.2	0.91	-2.30	0.48	-68.	7.	9.8	301.5	2.12	-2.44	0.05	-49.	-7.
2.0	300.0	4.0	999.9	1.54	-1.94	0.19	-52.	-14.	6.0	300.6	2.48	-2.20	0.50	-42.	3.
1.1	299.3	2.0	300.2	1.95	-1.20	0.27	-32.	-13.	2.7	299.2	2.33	-1.19	0.32	-27.	-0.
		1.2	299.6	1.85	-0.80	0.12	-23.	-17.	1.4	298.6	1.92	-0.10	-0.24	-3.	-15.
SOIL TEMPERATURES:		28.2	29.2	29.4	NET RADIATION=-56.4W/M**2										

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TOWER A				TOWER B						TOWER C					
DAY 171 STARTING TIME 19140149															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	300.9	9.1	301.5	0.92	-2.49	0.52	-70.	9.	17.3	301.8	1.51	-2.75	0.40	-61.	7.
3.8	300.6	6.4	301.2	1.13	-2.45	0.46	-65.	1.	9.8	301.5	2.32	-2.56	0.06	-48.	-7.
2.0	299.9	4.0	999.9	1.70	-1.98	0.22	-49.	-14.	6.0	300.5	2.64	-2.22	0.44	-40.	1.
1.1	299.3	2.0	300.1	2.01	-1.21	0.28	-31.	-13.	2.7	299.3	2.36	-1.23	0.35	-28.	0.
		1.2	299.5	1.86	-0.83	0.12	-24.	-17.	1.4	298.8	1.92	-0.11	-0.25	-3.	-16.
SOIL TEMPERATURES:				27.8	28.9	29.2	NET RADIATION=-60.W/M**2								
DAY 171 STARTING TIME 19150149															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.0	9.1	301.6	0.79	-2.16	0.47	-70.	10.	17.3	301.8	1.43	-2.39	0.39	-59.	7.
3.8	300.7	6.4	301.3	0.93	-2.13	0.44	-66.	4.	9.8	301.6	2.13	-2.22	0.06	-46.	-7.
2.0	300.0	4.0	999.9	1.53	-1.82	0.18	-50.	-14.	6.0	300.8	2.41	-1.97	0.49	-39.	3.
1.1	299.4	2.0	300.3	1.93	-1.12	0.27	-30.	-13.	2.7	299.3	2.24	-1.06	0.36	-25.	1.
		1.2	299.6	1.85	-0.73	0.13	-22.	-17.	1.4	298.6	1.83	-0.02	-0.18	-1.	-14.
SOIL TEMPERATURES:				27.4	28.6	29.0	NET RADIATION=-64.W/M**2								
DAY 171 STARTING TIME 2010149															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.1	9.1	301.5	0.29	-1.96	0.47	-81.	37.	17.3	301.8	0.95	-2.23	0.36	-67.	12.
3.8	300.7	6.4	301.3	0.40	-1.93	0.52	-78.	32.	9.8	301.6	1.76	-2.11	0.05	-50.	-7.
2.0	299.9	4.0	999.9	0.94	-1.67	0.21	-61.	-8.	6.0	301.0	2.09	-2.00	0.54	-44.	6.
1.1	299.2	2.0	300.6	1.41	-1.20	0.24	-41.	-11.	2.7	299.2	2.26	-1.06	0.38	-25.	1.
		1.2	299.8	1.51	-0.82	0.15	-28.	-15.	1.4	298.3	1.88	0.05	-0.14	2.	-13.
SOIL TEMPERATURES:				27.0	28.2	28.8	NET RADIATION=-68.W/M**2								
DAY 171 STARTING TIME 2010150															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	300.9	9.1	301.3	0.17	-1.92	0.45	-85.	49.	17.3	301.6	0.87	-2.08	0.32	-67.	12.
3.8	300.6	6.4	301.1	0.30	-1.87	0.52	-81.	39.	9.8	301.4	1.61	-1.90	0.06	-50.	-6.
2.0	299.7	4.0	999.9	0.84	-1.61	0.19	-62.	-8.	6.0	300.9	1.89	-1.85	0.54	-44.	8.
1.1	298.9	2.0	300.5	1.31	-1.18	0.21	-42.	-12.	2.7	299.1	2.20	-1.02	0.42	-25.	2.
		1.2	299.7	1.48	-0.82	0.15	-29.	-15.	1.4	297.7	1.92	0.15	-0.10	5.	-11.
SOIL TEMPERATURES:				26.6	27.9	28.									

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TOWER A
DAY 171 STARTING TIME 20140150

HT	POT T	HT	POT T
5.8	300.5	9.1	300.9
3.8	300.1	6.4	300.6
2.0	299.3	4.0	299.9
1.1	298.7	2.0	299.8
		1.2	299.2

SOIL TEMPERATURES:

25.6

27.0

27.9

TOWER B

U	V	W	TH	PHI	HT	POT T
0.40	-3.23	0.53	-83.	32.	17.3	301.2
0.62	-3.09	0.58	-79.	22.	9.8	300.7
1.25	-2.62	0.18	-64.	-13.	6.0	299.8
1.48	-1.92	0.22	-52.	-12.	2.7	298.5
1.39	-1.43	0.10	-46.	-17.	1.4	297.9

NET RADIATION= -75.W/M**2

TOWER C

U	V	W	TH	PHI
0.97	-3.37	0.42	-74.	15.
2.17	-3.16	0.01	-55.	-8.
2.61	-2.86	0.43	-48.	1.
2.43	-1.61	0.33	-33.	-0.
1.98	-0.21	-0.36	-6.	-19.

DAY 171 STARTING TIME 20150150

HT	POT T	HT	POT T
5.8	300.5	9.1	300.9
3.8	300.1	6.4	300.6
2.0	299.3	4.0	299.9
1.1	298.7	2.0	299.9
		1.2	299.3

SOIL TEMPERATURES:

25.2

26.8

27.7

U	V	W	TH	PHI	HT	POT T
0.32	-2.90	0.47	-84.	35.	17.3	301.1
0.53	-2.82	0.51	-79.	23.	9.8	300.7
1.15	-2.41	0.18	-65.	-12.	6.0	299.8
1.42	-1.77	0.22	-51.	-12.	2.7	298.5
1.37	-1.34	0.11	-44.	-16.	1.4	297.9

NET RADIATION= -76.W/M**2

U	V	W	TH	PHI
1.07	-3.04	0.42	-71.	13.
2.06	-2.88	0.05	-54.	-7.
2.45	-2.62	0.45	-47.	2.
2.33	-1.49	0.33	-33.	-0.
1.91	-0.18	-0.33	-5.	-18.

DAY 171 STARTING TIME 2110150

HT	POT T	HT	POT T
5.8	300.5	9.1	300.8
3.8	300.0	6.4	300.5
2.0	299.2	4.0	299.9
1.1	298.6	2.0	299.6
		1.2	299.0

SOIL TEMPERATURES:

24.9

26.5

27.5

U	V	W	TH	PHI	HT	POT T
0.31	-2.87	0.51	-84.	38.	17.3	301.1
0.50	-2.81	0.55	-80.	27.	9.8	300.7
1.14	-2.38	0.20	-64.	-11.	6.0	299.6
1.48	-1.75	0.23	-50.	-12.	2.7	298.2
1.42	-1.32	0.12	-43.	-16.	1.4	297.5

NET RADIATION= -75.W/M**2

U	V	W	TH	PHI
0.92	-3.10	0.45	-73.	18.
1.94	-2.97	0.04	-57.	-7.
2.44	-2.78	0.42	-49.	1.
2.29	-1.57	0.36	-34.	1.
1.88	-0.21	-0.37	-6.	-19.

DAY 171 STARTING TIME 21110151

HT	POT T	HT	POT T
5.8	300.2	9.1	300.6
3.8	299.8	6.4	300.3
2.0	299.1	4.0	299.9
1.1	298.5	2.0	299.6
		1.2	299.0

SOIL TEMPERATURES:

24.5

26.2

27.2

U	V	W	TH	PHI	HT	POT T
-0.12	-3.04	0.48	-92.	84.	17.3	300.9
0.08	-2.92	0.55	-88.	61.	9.8	300.4
0.75	-2.41	0.24	-73.	-3.	6.0	299.4
1.12	-1.84	0.25	-59.	-8.	2.7	298.3
1.13	-1.39	0.13	-51.	-14.	1.4	297.6

NET RADIATION= -74.W/M**2

U	V	W	TH	PHI
0.36	-3.29	0.36	-84.	37.
1.59	-2.93	0.02	-62.	-8.
2.07	-2.81	0.44	-54.	4.
2.07	-1.76	0.35	-40.	1.
1.80	-0.29	-0.47	-9.	-23.

DAY 171 STARTING TIME 21120151

HT	POT T	HT	POT T
5.8	299.8	9.1	300.2
3.8	299.4	6.4	299.8
2.0	298.7	4.0	299.9
1.1	298.2	2.0	299.2
		1.2	298.7

SOIL TEMPERATURES:

24.3

25.9

27.0

U	V	W	TH	PHI	HT	POT T
0.32	-3.40	0.51	-85.	37.	17.3	300.2
0.52	-3.26	0.55	-81.	26.	9.8	299.7
1.10	-2.71	0.23	-68.	-9.	6.0	298.9
1.30	-2.03	0.26	-57.	-10.	2.7	298.0
1.20	-1.59	0.13	-53.	-15.	1.4	297.4

NET RADIATION= -73.W/M**2

U	V	W	TH	PHI
0.91	-3.60	0.39	-76.	15.
2.02	-3.17	0.03	-58.	-7.
2.39	-2.91	0.43	-51.	2.
2.29	-1.80	0.33	-38.	-0.
1.94	-0.30	-0.47	-9.	-22.

DAY 171 STARTING TIME 21130151

HT	POT T	HT	POT T
5.8	299.6	9.1	300.0
3.8	299.3	6.4	299.7
2.0	298.7	4.0	299.9
1.1	298.2	2.0	299.1
		1.2	298.7

SOIL TEMPERATURES:

24.0

25.7

26.8

U	V	W	TH	PHI	HT	POT T
0.60	-3.57	0.49	-81.	19.	17.3	300.1
0.77	-3.39	0.48	-77.	11.	9.8	299.7
1.30	-2.82	0.18	-65.	-13.	6.0	298.7
1.48	-2.16	0.26	-56.	-11.	2.7	298.0
1.37	-1.69	0.13	-51.	-15.	1.4	297.5

NET RADIATION= -71.W/M**2

U	V	W	TH	PHI
1.43	-3.82	0.36	-70.	6.
2.35	-3.28	0.03	-54.	-8.
2.56	-2.89	0.40	-48.	1.
2.34	-1.83	0.32	-38.	-1.
1.95	-0.33	-0.50	-10.	-23.

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TOWER A					TOWER B					TOWER C									
DAY 171 STARTING TIME 21:40:51																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V
5.8	299.6	9.1	300.0	0.49	-3.36	0.51	-82.	25.	17.3	300.1	1.13	-3.56	0.39	-72.	11.	5.8	299.6	9.1	300.0
3.8	299.3	6.4	299.7	0.68	-3.18	0.52	-78.	17.	9.8	299.7	2.15	-3.11	0.02	-55.	-8.	3.8	299.3	6.4	299.7
2.0	298.7	4.0	999.9	1.19	-2.65	0.24	-66.	-10.	6.0	298.9	2.39	-2.76	0.44	-49.	2.	2.0	298.7	4.0	999.9
1.1	298.2	2.0	299.1	1.37	-2.00	0.28	-56.	-9.	2.7	298.0	2.23	-1.70	0.34	-37.	1.	1.1	298.2	2.0	299.1
		1.2	298.8	1.27	-1.56	0.15	-51.	-14.	1.4	297.5	1.91	-0.27	-0.43	-8.	-21.			1.2	298.8
SOIL TEMPERATURES:				23.8	25.5	26.6	NET RADIATION=-69.W/M**2												
DAY 171 STARTING TIME 21:50:51																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V
5.8	299.8	9.1	300.1	0.41	-3.62	0.57	-84.	34.	17.3	300.3	1.16	-3.80	0.39	-73.	10.	5.8	299.8	9.1	300.1
3.8	299.5	6.4	299.8	0.57	-3.41	0.58	-81.	24.	9.8	299.8	2.16	-3.32	0.02	-57.	-8.	3.8	299.5	6.4	299.8
2.0	298.9	4.0	999.9	1.09	-2.77	0.22	-69.	-9.	6.0	298.9	2.31	-2.95	0.42	-52.	2.	2.0	298.9	4.0	999.9
1.1	298.5	2.0	299.2	1.24	-2.08	0.26	-59.	-9.	2.7	298.1	2.10	-1.89	0.35	-42.	1.	1.1	298.5	2.0	299.2
		1.2	298.8	1.18	-1.64	0.13	-54.	-14.	1.4	297.6	1.82	-0.34	-0.52	-11.	-24.			1.2	298.8
SOIL TEMPERATURES:				23.7	25.2	26.4	NET RADIATION=-68.W/M**2												
DAY 171 STARTING TIME 22:01:51																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V
5.8	299.7	9.1	300.1	0.53	-3.39	0.55	-81.	25.	17.3	300.3	1.26	-3.58	0.44	-71.	11.	5.8	299.7	9.1	300.1
3.8	299.3	6.4	299.8	0.67	-3.26	0.55	-78.	18.	9.8	299.9	2.19	-3.22	0.03	-56.	-7.	3.8	299.3	6.4	299.8
2.0	298.7	4.0	999.9	1.18	-2.67	0.18	-66.	-12.	6.0	298.9	2.48	-2.85	0.40	-49.	1.	2.0	298.7	4.0	999.9
1.1	298.3	2.0	299.2	1.37	-2.01	0.23	-56.	-11.	2.7	297.9	2.28	-1.71	0.31	-37.	-0.	1.1	298.3	2.0	299.2
		1.2	298.7	1.28	-1.58	0.09	-51.	-17.	1.4	297.3	1.88	-0.25	-0.41	-8.	-21.			1.2	298.7
SOIL TEMPERATURES:				23.5	25.1	26.2	NET RADIATION=-68.W/M**2												
DAY 171 STARTING TIME 22:10:52																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V
5.8	299.8	9.1	300.1	0.26	-3.52	0.52	-86.	43.	17.3	300.4	0.97	-3.63	0.44	-75.	16.	5.8	299.8	9.1	300.1
3.8	299.4	6.4	299.8	0.47	-3.32	0.52	-82.	27.	9.8	299.8	1.93	-3.21	0.01	-59.	-8.	3.8	299.4	6.4	299.8
2.0	298.8	4.0	999.9	1.03	-2.76	0.21	-70.	-9.	6.0	298.8	2.21	-2.83	0.48	-52.	4.	2.0	298.8	4.0	999.9
1.1	298.3	2.0	299.2	1.24	-2.10	0.25	-59.	-10.	2.7	297.9	2.06	-1.73	0.33	-40.	1.	1.1	298.3	2.0	299.2
		1.2	298.8	1.20	-1.64	0.13	-54.	-15.	1.4	297.3	1.74	-0.29	-0.46	-10.	-23.			1.2	298.8
SOIL TEMPERATURES:				23.3	24.9	26.0	NET RADIATION=-67.W/M**2												
DAY 171 STARTING TIME 22:20:52																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V
5.8	299.7	9.1	300.2	0.29	-3.39	0.55	-85.	42.	17.3	300.3	0.84	-3.49	0.34	-76.	14.	5.8	299.7	9.1	300.2
3.8	299.3	6.4	299.8	0.49	-3.24	0.55	-81.	28.	9.8	299.8	1.85	-3.04	0.03	-59.	-7.	3.8	299.3	6.4	299.8
2.0	298.8	4.0	999.9	1.04	-2.67	0.24	-69.	-8.	6.0	298.9	2.16	-2.71	0.44	-51.	3.	2.0	298.8	4.0	999.9
1.1	298.3	2.0	299.2	1.25	-2.00	0.24	-58.	-10.	2.7	298.0	2.01	-1.64	0.34	-39.	1.	1.1	298.3	2.0	299.2
		1.2	298.8	1.17	-1.53	0.12	-53.	-15.	1.4	297.5	1.74	-0.29	-0.46	-10.	-23.			1.2	298.8
SOIL TEMPERATURES:				23.2	24.6	25.8	NET RADIATION=-65.W/M**2												
DAY 171 STARTING TIME 22:30:52																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V
5.8	299.8	9.1	300.2	-0.04	-3.01	0.45	-91.	75.	17.3	300.4	0.53	-3.07	0.37	-80.	26.	5.8	299.8	9.1	300.2
3.8	299.4	6.4	299.9	0.19	-2.91	0.54	-86.	49.	9.8	299.9	1.64	-2.78	0.04	-59.	-7.	3.8	299.4	6.4	299.9
2.0	298.8	4.0	999.9	0.79	-2.44	0.25	-72.	-4.	6.0	299.1	2.03	-2.62	0.50	-52.	6.	2.0	298.8	4.0	999.9
1.1	298.3	2.0	299.3	1.09	-1.86	0.24	-60.	-8.	2.7	298.1	2.05	-1.59	0.33	-38.	1.	1.1	298.3	2.0	299.3
		1.2	298.9	1.06	-1.44	0.13	-53.	-14.	1.4	297.5	1.74	-0.21	-0.38	-7.	-21.			1.2	298.9
SOIL TEMPERATURES:				23.1	24.5	25.7	NET RADIATION=-64.W/M**2												

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TOWER A

DAY 171 STARTING TIME 22:40:52

HT	POT T	HT	POT T
5.8	299.8	9.1	300.1
3.8	299.5	6.4	299.8
2.0	299.0	4.0	999.9
1.1	298.5	2.0	299.4
		1.2	299.0

SOIL TEMPERATURES: 22.9 24.3 25.5

TOWER B

U	V	W	TH	PHI	HT	POT T
-0.53	-2.67	0.37	****	124.	17.3	300.2
-0.33	-2.55	0.44	-97.	106.	9.8	299.8
0.25	-2.13	0.26	-83.	26.	6.0	299.0
0.66	-1.74	0.29	-69.	3.	2.7	298.2
0.67	-1.35	0.19	-64.	-5.	1.4	297.6

NET RADIATION= -65.W/M**2

TOWER C

U	V	W	TH	PHI
-0.19	-2.71	0.30	-94.	115.
0.81	-2.35	0.03	-71.	-6.
1.20	-2.20	0.40	-61.	10.
1.33	-1.51	0.37	-49.	7.
1.29	-0.32	-0.51	-14.	-30.

DAY 171 STARTING TIME 22:50:52

HT	POT T	HT	POT T
5.8	299.7	9.1	299.9
3.8	299.4	6.4	299.5
2.0	298.9	4.0	999.9
1.1	298.4	2.0	299.1
		1.2	298.8

SOIL TEMPERATURES: 22.8 24.2 25.3

U	V	W	TH	PHI	HT	POT T
-0.54	-2.68	0.40	****	123.	17.3	299.9
-0.39	-2.61	0.44	-98.	111.	9.8	299.5
0.17	-2.18	0.22	-85.	31.	6.0	298.8
0.58	-1.71	0.27	-71.	4.	2.7	297.9
0.64	-1.34	0.18	-65.	-5.	1.4	297.3

NET RADIATION= -64.W/M**2

U	V	W	TH	PHI
-0.18	-3.04	0.38	-93.	107.
0.83	-2.52	0.09	-72.	-2.
1.25	-2.41	0.51	-63.	14.
1.46	-1.64	0.43	-48.	8.
1.39	-0.33	-0.51	-13.	-28.

DAY 171 STARTING TIME 23:01:52

HT	POT T	HT	POT T
5.8	299.5	9.1	299.8
3.8	299.1	6.4	299.4
2.0	298.6	4.0	999.9
1.1	298.2	2.0	298.8
		1.2	298.5

SOIL TEMPERATURES: 22.7 24.0 25.2

U	V	W	TH	PHI	HT	POT T
-0.38	-3.51	0.48	-96.	107.	17.3	299.9
-0.05	-3.34	0.54	-91.	75.	9.8	299.3
0.63	-2.73	0.26	-77.	1.	6.0	298.4
0.92	-2.05	0.30	-66.	-3.	2.7	297.6
0.90	-1.60	0.16	-61.	-11.	1.4	297.0

NET RADIATION= -64.W/M**2

U	V	W	TH	PHI
0.23	-3.55	0.39	-86.	52.
1.55	-3.04	0.04	-63.	-7.
1.95	-2.84	0.44	-55.	4.
1.92	-1.82	0.36	-44.	2.
1.69	-0.33	-0.50	-11.	-25.

DAY 171 STARTING TIME 23:10:53

HT	POT T	HT	POT T
5.8	299.4	9.1	299.7
3.8	299.0	6.4	299.3
2.0	298.4	4.0	999.9
1.1	298.0	2.0	298.7
		1.2	298.3

SOIL TEMPERATURES: 22.5 23.9 25.0

U	V	W	TH	PHI	HT	POT T
-0.22	-3.33	0.52	-94.	92.	17.3	299.9
0.08	-3.16	0.56	-88.	61.	9.8	299.4
0.78	-2.57	0.26	-73.	-2.	6.0	298.5
1.10	-1.99	0.27	-61.	-7.	2.7	297.4
1.04	-1.49	0.12	-55.	-14.	1.4	296.8

NET RADIATION= -66.W/M**2

U	V	W	TH	PHI
0.28	-3.46	0.34	-85.	42.
1.63	-3.03	0.02	-62.	-8.
2.07	-2.81	0.49	-54.	5.
2.07	-1.65	0.36	-39.	2.
1.78	-0.23	-0.39	-7.	-21.

DAY 171 STARTING TIME 23:20:53

HT	POT T	HT	POT T
5.8	299.3	9.1	299.7
3.8	299.0	6.4	299.3
2.0	298.5	4.0	999.9
1.1	298.0	2.0	298.7
		1.2	298.3

SOIL TEMPERATURES: 22.3 23.7 24.9

U	V	W	TH	PHI	HT	POT T
0.22	-3.42	0.53	-86.	47.	17.3	299.9
0.45	-3.30	0.54	-82.	30.	9.8	299.3
1.00	-2.68	0.20	-70.	-9.	6.0	298.3
1.21	-2.11	0.27	-60.	-8.	2.7	297.5
1.13	-1.62	0.12	-55.	-15.	1.4	297.0

NET RADIATION= -67.W/M**2

U	V	W	TH	PHI
0.94	-3.65	0.39	-76.	14.
2.08	-3.34	0.03	-58.	-7.
2.41	-2.89	0.44	-50.	2.
2.14	-1.80	0.35	-40.	1.
1.79	-0.31	-0.49	-10.	-23.

DAY 171 STARTING TIME 23:30:53

HT	POT T	HT	POT T
5.8	299.3	9.1	299.5
3.8	299.0	6.4	299.2
2.0	298.4	4.0	999.9
1.1	297.9	2.0	298.6
		1.2	298.2

SOIL TEMPERATURES: 22.2 23.6 24.7

U	V	W	TH	PHI	HT	POT T
-0.57	-3.07	0.44	****	121.	17.3	299.7
-0.27	-2.94	0.50	-95.	97.	9.8	299.2
0.44	-2.37	0.25	-80.	9.	6.0	298.3
0.82	-1.87	0.30	-66.	-1.	2.7	297.4
0.83	-1.44	0.17	-60.	-9.	1.4	296.8

NET RADIATION= -66.W/M**2

U	V	W	TH	PHI
-0.09	-3.29	0.35	-92.	96.
1.32	-2.85	0.04	-65.	-7.
1.75	-2.68	0.50	-57.	8.
1.82	-1.69	0.36	-43.	3.
1.61	-0.30	-0.48	-10.	-25.

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TOWER A					TOWER B					TOWER C					
DAY 171 STARTING TIME 23:40:53															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	299.4	9.1	299.6	-0.58	-2.44	0.35	****	128.	17.3	299.7	0.09	-2.49	0.20	-88.	57.
3.8	299.2	6.4	299.3	-0.45	-2.32	0.40	****	118.	9.8	299.3	1.04	-2.21	-0.01	-65.	-9.
2.0	298.7	4.0	999.9	0.10	-1.88	0.14	-87.	33.	6.0	298.5	1.44	-2.06	0.40	-55.	7.
1.1	298.2	2.0	298.8	0.59	-1.47	0.18	-68.	-4.	2.7	297.6	1.65	-1.26	0.31	-37.	2.
		1.2	298.5	0.68	-1.15	0.18	-60.	-6.	1.4	296.9	1.55	-0.02	-0.44	-1.	-24.
SOIL TEMPERATURES:				21.9	23.5	24.7	NET RADIATION= -127.W/M**2								

DAY 171 STARTING TIME 23:50:53															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	299.1	9.1	299.3	-0.68	-2.78	0.43	****	127.	17.3	299.3	-0.17	-3.04	0.34	-93.	108.
3.8	298.9	6.4	298.9	-0.48	-2.71	0.46	****	115.	9.8	298.9	0.99	-2.58	0.10	-69.	-3.
2.0	298.4	4.0	999.9	0.16	-2.11	0.21	-86.	32.	6.0	298.2	1.36	-2.45	0.47	-61.	11.
1.1	297.9	2.0	298.5	0.54	-1.70	0.29	-72.	7.	2.7	297.5	1.44	-1.73	0.42	-50.	8.
		1.2	298.2	0.59	-1.30	0.22	-66.	-0.	1.4	296.9	1.34	-0.40	-0.60	-17.	-32.
SOIL TEMPERATURES:				21.9	23.3	24.5	NET RADIATION= -67.W/M**2								

DAY 172 STARTING TIME 01:01:53															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.9	9.1	299.1	-0.51	-2.67	0.37	****	124.	17.3	299.3	-0.12	-2.82	0.28	-92.	105.
3.8	298.7	6.4	298.8	-0.40	-2.59	0.43	-99.	112.	9.8	298.9	1.00	-2.53	0.11	-68.	-2.
2.0	298.2	4.0	999.9	0.17	-2.14	0.20	-86.	29.	6.0	298.1	1.40	-2.39	0.52	-60.	12.
1.1	297.7	2.0	298.4	0.58	-1.76	0.32	-72.	8.	2.7	297.2	1.56	-1.64	0.40	-46.	6.
		1.2	298.1	0.65	-1.41	0.24	-65.	-1.	1.4	296.6	1.47	-0.30	-0.49	-11.	-27.
SOIL TEMPERATURES:				21.7	23.1	24.3	NET RADIATION= -67.W/M**2								

DAY 172 STARTING TIME 01:10:54															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	299.0	9.1	299.2	-0.54	-2.71	0.42	****	121.	17.3	299.3	0.10	-2.61	0.30	-88.	63.
3.8	298.7	6.4	298.8	-0.26	-2.59	0.47	-96.	98.	9.8	298.9	1.13	-2.25	0.04	-63.	-6.
2.0	298.2	4.0	999.9	0.41	-2.06	0.20	-79.	5.	6.0	298.2	1.46	-2.22	0.45	-57.	9.
1.1	297.6	2.0	298.3	0.75	-1.63	0.28	-65.	-0.	2.7	297.2	1.66	-1.46	0.38	-41.	5.
		1.2	297.9	0.78	-1.28	0.16	-58.	-10.	1.4	296.4	1.57	-0.18	-0.36	-7.	-21.
SOIL TEMPERATURES:				21.6	23.0	24.1	NET RADIATION= -66.W/M**2								

DAY 172 STARTING TIME 01:20:54															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.8	9.1	299.0	-0.61	-2.59	0.42	****	125.	17.3	299.1	-0.25	-2.72	0.30	-95.	121.
3.8	298.5	6.4	298.7	-0.32	-2.52	0.47	-97.	104.	9.8	298.7	1.08	-2.37	0.08	-66.	-4.
2.0	298.0	4.0	999.9	0.29	-2.06	0.21	-82.	15.	6.0	297.9	1.52	-2.36	0.45	-57.	8.
1.1	297.5	2.0	298.2	0.68	-1.64	0.29	-67.	2.	2.7	297.0	1.67	-1.59	0.40	-44.	5.
		1.2	297.8	0.72	-1.25	0.20	-60.	-5.	1.4	296.3	1.52	-0.24	-0.42	-9.	-24.
SOIL TEMPERATURES:				21.5	22.9	24.0	NET RADIATION= -66.W/M**2								

DAY 172 STARTING TIME 01:30:54															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.8	9.1	299.0	-0.31	-2.32	0.40	-98.	107.	17.3	299.1	0.15	-2.61	0.34	-87.	57.
3.8	298.4	6.4	298.7	-0.06	-2.27	0.47	-92.	77.	9.8	298.8	1.35	-2.27	0.06	-59.	-6.
2.0	297.8	4.0	999.9	0.54	-1.86	0.21	-74.	0.	6.0	298.1	1.80	-2.24	0.43	-51.	5.
1.1	297.3	2.0	298.3	0.91	-1.50	0.25	-59.	-5.	2.7	296.9	1.98	-1.36	0.38	-35.	3.
		1.2	297.8	0.96	-1.15	0.14	-50.	-12.	1.4	296.1	1.78	-0.13	-0.28	-4.	-17.
SOIL TEMPERATURES:				21.3	22.7	23.8	NET RADIATION= -64.W/M**2								

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TOWER A										TOWER B										TOWER C									
DAY 172 STARTING TIME 0140154																													
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.6	9.1	298.9	-0.24	-2.41	0.42	-96.	99.	17.3	299.1	0.07	-2.74	0.33	-89.	70.														
3.8	298.3	6.4	298.6	-0.01	-2.35	0.49	-90.	70.	9.8	298.7	1.31	-2.54	0.08	-63.	-5.														
2.0	297.6	4.0	999.9	0.70	-1.93	0.23	-70.	-3.	6.0	297.9	1.91	-2.57	0.45	-53.	5.														
1.1	297.0	2.0	298.0	1.10	-1.55	0.24	-55.	-8.	2.7	296.7	2.04	-1.58	0.38	-38.	2.														
		1.2	297.5	1.16	-1.17	0.13	-45.	-14.	1.4	296.0	1.76	-0.21	-0.37	-7.	-20.														
SOIL TEMPERATURES:				21.2	22.6	23.7	NET RADIATION# -65.W/M**2																						
DAY 172 STARTING TIME 0150154																													
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.5	9.1	298.8	-0.42	-2.39	0.42	***	114.	17.3	298.9	0.10	-2.60	0.30	-88.	64.														
3.8	298.2	6.4	298.5	-0.19	-2.29	0.47	-95.	91.	9.8	298.6	1.23	-2.23	0.05	-61.	-6.														
2.0	297.6	4.0	999.9	0.40	-1.85	0.26	-78.	12.	6.0	297.9	1.63	-2.24	0.44	-54.	7.														
1.1	297.1	2.0	298.1	0.83	-1.52	0.28	-61.	-2.	2.7	296.9	1.80	-1.48	0.40	-39.	4.														
		1.2	297.6	0.89	-1.16	0.17	-52.	-10.	1.4	296.1	1.67	-0.19	-0.35	-6.	-20.														
SOIL TEMPERATURES:				21.1	22.5	23.6	NET RADIATION# -65.W/M**2																						
DAY 172 STARTING TIME 11 0154																													
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.5	9.1	298.7	-0.05	-2.28	0.42	-91.	76.	17.3	298.8	0.55	-2.41	0.32	-78.	22.														
3.8	298.2	6.4	298.4	0.12	-2.22	0.46	-87.	55.	9.8	298.6	1.47	-2.26	0.05	-57.	-6.														
2.0	297.6	4.0	999.9	0.70	-1.79	0.16	-68.	-8.	6.0	297.9	1.82	-2.20	0.46	-50.	6.														
1.1	297.1	2.0	297.9	1.02	-1.43	0.24	-55.	-8.	2.7	296.7	1.92	-1.27	0.39	-34.	3.														
		1.2	297.5	1.06	-1.10	0.14	-46.	-13.	1.4	296.0	1.70	-0.11	-0.28	-4.	-18.														
SOIL TEMPERATURES:				21.0	22.4	23.5	NET RADIATION# -63.W/M**2																						
DAY 172 STARTING TIME 1110155																													
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.4	9.1	298.7	-0.26	-2.15	0.41	-97.	102.	17.3	298.8	0.22	-2.30	0.28	-85.	44.														
3.8	298.1	6.4	298.4	-0.03	-2.11	0.47	-91.	73.	9.8	298.5	1.29	-2.12	0.09	-59.	-4.														
2.0	297.4	4.0	999.9	0.63	-1.70	0.20	-70.	-3.	6.0	297.8	1.74	-2.14	0.49	-51.	7.														
1.1	296.9	2.0	297.9	1.03	-1.33	0.24	-52.	-8.	2.7	296.7	1.93	-1.28	0.43	-34.	4.														
		1.2	297.4	1.08	-1.01	0.14	-43.	-13.	1.4	295.9	1.71	-0.11	-0.28	-4.	-18.														
SOIL TEMPERATURES:				20.9	22.2	23.3	NET RADIATION# -61.W/M**2																						
DAY 172 STARTING TIME 1120155																													
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	-0.08	-2.37	0.45	-92.	80.	17.3	298.8	0.35	-2.54	0.34	-82.	36.														
3.8	298.0	6.4	298.3	0.16	-2.31	0.49	-86.	51.	9.8	298.5	1.38	-2.35	0.05	-60.	-6.														
2.0	297.4	4.0	999.9	0.78	-1.89	0.18	-67.	-8.	6.0	297.7	1.83	-2.32	0.46	-52.	6.														
1.1	296.9	2.0	297.8	1.14	-1.50	0.22	-53.	-10.	2.7	296.6	1.95	-1.37	0.39	-35.	3.														
		1.2	297.4	1.16	-1.13	0.11	-44.	-15.	1.4	295.9	1.69	-0.16	-0.32	-5.	-19.														
SOIL TEMPERATURES:				20.8	22.1	23.2	NET RADIATION# -60.W/M**2																						
DAY 172 STARTING TIME 1130155																													
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	0.04	-2.09	0.45	-89.	64.	17.3	298.8	0.55	-2.12	0.29	-76.	20.														
3.8	298.0	6.4	298.4	0.25	-2.03	0.50	-83.	43.	9.8	298.5	1.48	-2.06	0.06	-54.	-6.														
2.0	297.3	4.0	999.9	0.82	-1.67	0.21	-64.	-7.	6.0	297.9	1.90	-1.99	0.45	-46.	5.														
1.1	296.8	2.0	297.9	1.13	-1.26	0.24	-48.	-9.	2.7	296.7	2.03	-1.12	0.37	-29.	2.														
		1.2	297.4	1.17	-0.93	0.15	-39.	-13.	1.4	296.0	1.78	-0.05	-0.21	-2.	-15.														
SOIL TEMPERATURES:				20.7	22.0	23.1	NET RADIATION# -59.W/M**2																						

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TOWER A				TOWER B					TOWER C						
DAY 172 STARTING TIME 1140155															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	-0.06	-1.77	0.42	-92.	78.	17.3	298.8	0.57	-1.89	0.29	-73.	19.
3.8	298.0	6.4	298.4	0.13	-1.72	0.43	-86.	52.	9.8	298.6	1.40	-1.81	0.07	-52.	-6.
2.0	297.5	4.0	999.9	0.68	-1.46	0.19	-65.	-5.	6.0	298.0	1.75	-1.77	0.47	-45.	7.
1.1	297.0	2.0	298.0	1.08	-1.12	0.23	-46.	-9.	2.7	296.9	1.97	-1.04	0.45	-28.	5.
		1.2	297.5	1.15	-0.83	0.15	-36.	-13.	1.4	295.9	1.77	-0.01	-0.19	-0.	-14.
SOIL TEMPERATURES:				20.7	21.9	23.0	NET RADIATION= -57.W/M**2								
DAY 172 STARTING TIME 1150155															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	0.14	-1.94	0.49	-86.	53.	17.3	298.8	0.80	-2.16	0.37	-70.	17.
3.8	298.0	6.4	298.4	0.32	-1.92	0.53	-81.	38.	9.8	298.6	1.60	-2.06	0.09	-52.	-5.
2.0	297.4	4.0	999.9	0.89	-1.60	0.22	-61.	-7.	6.0	298.0	1.91	-2.01	0.52	-46.	7.
1.1	296.9	2.0	297.9	1.29	-1.17	0.24	-42.	-10.	2.7	296.7	2.05	-1.14	0.43	-29.	4.
		1.2	297.3	1.36	-0.83	0.14	-32.	-15.	1.4	295.8	1.76	-0.06	-0.22	-2.	-15.
SOIL TEMPERATURES:				20.6	21.9	22.9	NET RADIATION= -56.W/M**2								
DAY 172 STARTING TIME 21 0156															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	0.15	-2.60	0.51	-87.	53.	17.3	298.8	0.49	-2.83	0.42	-80.	33.
3.8	297.9	6.4	298.4	0.36	-2.52	0.55	-82.	36.	9.8	298.5	1.62	-2.64	0.09	-59.	-5.
2.0	297.3	4.0	999.9	0.98	-2.10	0.19	-65.	-10.	6.0	297.6	2.08	-2.50	0.45	-50.	4.
1.1	296.8	2.0	297.8	1.27	-1.61	0.23	-52.	-11.	2.7	296.6	2.01	-1.46	0.40	-36.	3.
		1.2	297.3	1.21	-1.19	0.11	-44.	-16.	1.4	296.0	1.70	-0.20	-0.36	-7.	-20.
SOIL TEMPERATURES:				20.6	21.8	22.7	NET RADIATION= -56.W/M**2								
DAY 172 STARTING TIME 2110156															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	0.37	-2.81	0.55	-82.	35.	17.3	298.8	0.61	-3.07	0.42	-79.	26.
3.8	297.9	6.4	298.3	0.55	-2.73	0.55	-79.	24.	9.8	298.4	1.78	-2.83	0.03	-58.	-7.
2.0	297.3	4.0	999.9	1.14	-2.22	0.18	-63.	-12.	6.0	297.5	2.21	-2.57	0.41	-49.	2.
1.1	296.9	2.0	297.7	1.37	-1.66	0.23	-50.	-11.	2.7	296.7	2.07	-1.52	0.36	-36.	2.
		1.2	297.4	1.26	-1.24	0.09	-45.	-17.	1.4	296.3	1.72	-0.22	-0.38	-7.	-21.
SOIL TEMPERATURES:				20.6	21.7	22.7	NET RADIATION= -56.W/M**2								
DAY 172 STARTING TIME 2120156															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.7	0.47	-2.86	0.59	-81.	31.	17.3	298.8	0.96	-3.00	0.39	-72.	14.
3.8	297.9	6.4	298.4	0.62	-2.72	0.56	-77.	21.	9.8	298.4	1.95	-2.79	-0.01	-55.	-9.
2.0	297.4	4.0	999.9	1.14	-2.18	0.17	-62.	-12.	6.0	297.6	2.31	-2.52	0.37	-47.	1.
1.1	297.0	2.0	297.8	1.33	-1.62	0.21	-51.	-12.	2.7	296.8	2.14	-1.46	0.35	-34.	1.
		1.2	297.4	1.21	-1.22	0.10	-45.	-16.	1.4	296.4	1.78	-0.19	-0.35	-6.	-19.
SOIL TEMPERATURES:				20.5	21.6	22.5	NET RADIATION= -55.W/M**2								
DAY 172 STARTING TIME 2130156															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.3	9.1	298.8	0.63	-3.18	0.59	-79.	22.	17.3	298.9	1.06	-3.38	0.43	-73.	14.
3.8	297.9	6.4	298.4	0.80	-3.04	0.52	-75.	12.	9.8	298.4	2.10	-3.09	0.02	-56.	-8.
2.0	297.4	4.0	999.9	1.30	-2.43	0.17	-62.	-14.	6.0	297.6	2.40	-2.70	0.41	-48.	1.
1.1	297.0	2.0	297.8	1.42	-1.84	0.22	-52.	-12.	2.7	296.8	2.14	-1.59	0.35	-37.	1.
		1.2	297.5	1.31	-1.39	0.08	-47.	-17.	1.4	296.4	1.78	-0.24	-0.41	-8.	-21.
SOIL TEMPERATURES:				20.5	21.6	22.5	NET RADIATION= -56.W/M**2								

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TOWER A				TOWER B						TOWER C					
DAY 172 STARTING TIME 2140156															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	298.2	9.1	298.7	0.49	-3.38	0.59	-82.	29.	17.3	298.7	0.69	-3.60	0.44	-79.	24.
3.8	297.9	6.4	298.4	0.67	-3.22	0.58	-78.	20.	9.8	298.2	1.86	-3.10	0.01	-59.	-8.
2.0	297.5	4.0	999.9	1.16	-2.53	0.17	-65.	-13.	6.0	297.4	2.12	-2.75	0.42	-52.	3.
1.1	297.1	2.0	297.8	1.31	-1.95	0.22	-56.	-11.	2.7	296.7	1.93	-1.68	0.35	-41.	2.
		1.2	297.5	1.20	-1.51	0.10	-52.	-16.	1.4	296.2	1.69	-0.29	-0.46	-10.	-23.
SOIL TEMPERATURES:				20.5	21.5	22.4	NET RADIATION* =S6.W/M**2								

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TOWER A				TOWER B				TOWER C							
DAY 183 STARTING TIME 19120121															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.4	9.1	303.1	0.92	2.64	0.15	71.	-12.	17.3	303.1	0.97	2.11	0.20	65.	4.
3.8	302.0	6.4	302.8	1.19	2.39	0.26	64.	-9.	9.8	302.9	1.72	2.12	0.30	51.	2.
2.0	301.4	4.0	302.5	1.64	2.27	0.16	54.	-15.	6.0	302.3	2.15	1.82	0.55	40.	6.
1.1	300.7	2.0	302.0	1.93	1.94	0.19	45.	-15.	2.7	300.6	2.57	1.28	0.12	26.	-6.
		1.2	301.3	1.90	1.45	0.11	37.	-18.	1.4	299.6	2.07	0.80	0.75	21.	12.
SOIL TEMPERATURES:				29.7	30.7	30.8	NET RADIATION=-19.W/M**2								
DAY 183 STARTING TIME 19130121															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.6	9.1	303.2	1.10	2.78	0.13	68.	-14.	17.3	303.2	1.00	2.24	0.22	66.	4.
3.8	302.3	6.4	302.8	1.39	2.56	0.22	61.	-12.	9.8	303.0	1.78	2.22	0.35	51.	3.
2.0	301.5	4.0	302.5	1.83	2.37	0.18	52.	-15.	6.0	302.2	2.21	1.91	0.55	41.	6.
1.1	300.7	2.0	302.0	2.10	1.97	0.19	43.	-16.	2.7	300.6	2.48	1.31	0.12	28.	-6.
		1.2	301.3	2.00	1.45	0.10	36.	-18.	1.4	299.8	1.98	0.80	0.76	22.	13.
SOIL TEMPERATURES:				29.2	30.4	30.6	NET RADIATION=-21.W/M**2								
DAY 183 STARTING TIME 19140121															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.7	9.1	303.2	1.19	2.54	0.15	65.	-14.	17.3	303.1	1.13	2.00	0.22	61.	3.
3.8	302.4	6.4	302.8	1.46	2.34	0.22	58.	-12.	9.8	302.9	1.88	2.06	0.34	48.	2.
2.0	301.3	4.0	302.5	1.92	2.17	0.20	48.	-15.	6.0	302.2	2.32	1.81	0.52	38.	4.
1.1	300.2	2.0	301.9	2.20	1.82	0.21	40.	-15.	2.7	300.3	2.67	1.23	0.12	25.	-6.
		1.2	301.2	2.09	1.36	0.12	33.	-18.	1.4	299.4	2.09	0.80	0.75	21.	11.
SOIL TEMPERATURES:				28.7	30.0	30.4	NET RADIATION=-25.W/M**2								
DAY 183 STARTING TIME 19150121															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.8	9.1	303.2	1.18	2.26	0.14	62.	-14.	17.3	303.2	1.17	1.77	0.16	56.	-0.
3.8	302.4	6.4	302.8	1.43	2.11	0.26	56.	-11.	9.8	303.0	1.88	1.88	0.29	45.	0.
2.0	301.3	4.0	302.5	1.96	2.00	0.23	46.	-14.	6.0	302.3	2.40	1.69	0.52	35.	4.
1.1	300.1	2.0	301.8	2.27	1.68	0.24	37.	-15.	2.7	300.1	2.81	1.15	0.12	22.	-6.
		1.2	300.9	2.12	1.24	0.12	30.	-18.	1.4	299.1	2.17	0.77	0.72	20.	10.
SOIL TEMPERATURES:				28.3	29.7	30.2	NET RADIATION=-28.W/M**2								
DAY 183 STARTING TIME 2010121															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	303.0	9.1	303.5	1.20	2.30	0.13	63.	-14.	17.3	303.3	1.33	1.60	0.24	50.	2.
3.8	302.7	6.4	303.1	1.52	2.14	0.26	55.	-11.	9.8	303.1	2.02	1.71	0.30	40.	0.
2.0	301.4	4.0	302.5	2.20	2.02	0.25	42.	-14.	6.0	302.4	2.42	1.53	0.55	32.	5.
1.1	299.9	2.0	301.5	2.50	1.62	0.26	33.	-15.	2.7	300.0	2.97	1.10	0.13	20.	-6.
		1.2	300.5	2.30	1.14	0.11	26.	-18.	1.4	299.0	2.25	0.77	0.71	19.	9.
SOIL TEMPERATURES:				27.8	29.4	29.9	NET RADIATION=-31.W/M**2								
DAY 183 STARTING TIME 20110122															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	303.2	9.1	303.8	1.38	2.60	0.11	62.	-16.	17.3	303.5	1.05	1.78	0.31	59.	8.
3.8	302.9	6.4	303.4	1.60	2.37	0.22	56.	-13.	9.8	303.2	1.95	1.94	0.29	45.	0.
2.0	301.6	4.0	302.9	2.18	2.22	0.23	46.	-15.	6.0	302.5	2.44	1.67	0.48	34.	3.
1.1	300.1	2.0	302.0	2.47	1.82	0.22	36.	-16.	2.7	300.1	2.98	1.15	0.13	21.	-6.
		1.2	301.1	2.30	1.34	0.09	30.	-19.	1.4	299.1	2.25	0.78	0.73	19.	10.
SOIL TEMPERATURES:				27.4	29.1	29.7	NET RADIATION=-32.W/M**2								

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TOWER A										TOWER H					TOWER C				
DAY 183 STARTING TIME 20120122																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI				
5.8	303.1	9.1	303.6	1.36	2.82	0.08	64.	-17.	17.3	303.4	0.63	2.21	0.24	74.	13.				
3.8	302.7	6.4	303.4	1.55	2.56	0.18	59.	-14.	9.8	303.2	1.42	2.37	0.37	59.	6.				
2.0	301.5	4.0	303.0	2.09	2.42	0.19	49.	-16.	6.0	302.3	2.12	1.99	0.58	43.	7.				
1.1	300.1	2.0	302.3	2.50	2.05	0.24	39.	-15.	2.7	300.2	2.62	1.31	0.12	27.	-6.				
		1.2	301.4	2.39	1.46	0.10	32.	-19.	1.4	299.0	2.07	0.81	0.77	21.	12.				
SOIL TEMPERATURES:				27.0	28.8	29.5	NET RADIATION= -32.W/M**2												
DAY 183 STARTING TIME 20130122																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI				
5.8	303.0	9.1	303.3	0.84	2.56	0.19	72.	-8.	17.3	303.1	0.46	2.03	0.22	77.	18.				
3.8	302.6	6.4	303.0	1.14	2.32	0.27	64.	-8.	9.8	302.9	1.25	2.17	0.32	60.	6.				
2.0	301.4	4.0	302.7	1.71	2.21	0.19	52.	-14.	6.0	302.2	1.78	1.91	0.58	47.	10.				
1.1	300.2	2.0	302.1	2.07	1.89	0.21	42.	-15.	2.7	300.4	2.44	1.38	0.15	30.	-5.				
		1.2	301.3	2.02	1.38	0.11	34.	-18.	1.4	299.1	2.05	0.81	0.77	22.	12.				
SOIL TEMPERATURES:				26.6	28.5	29.3	NET RADIATION= -31.W/M**2												
DAY 183 STARTING TIME 20140122																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI				
5.8	302.7	9.1	303.2	1.07	2.17	0.16	64.	-12.	17.3	303.0	1.11	1.64	0.24	56.	4.				
3.8	302.3	6.4	302.8	1.33	2.03	0.25	57.	-10.	9.8	302.9	1.80	1.77	0.29	45.	1.				
2.0	301.3	4.0	302.5	1.90	1.97	0.20	46.	-15.	6.0	302.2	2.28	1.61	0.51	35.	4.				
1.1	300.1	2.0	301.7	2.33	1.66	0.25	35.	-15.	2.7	300.0	2.90	1.20	0.13	22.	-6.				
		1.2	300.7	2.25	1.18	0.13	28.	-18.	1.4	298.6	2.27	0.78	0.73	19.	10.				
SOIL TEMPERATURES:				26.3	28.2	29.0	NET RADIATION= -30.W/M**2												
DAY 183 STARTING TIME 20150122																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI				
5.8	303.0	9.1	303.6	1.30	1.97	0.11	57.	-16.	17.3	303.3	1.57	1.32	0.21	40.	-1.				
3.8	302.8	6.4	303.3	1.56	1.80	0.23	49.	-13.	9.8	303.1	2.07	1.47	0.29	35.	-0.				
2.0	301.4	4.0	302.9	2.20	1.80	0.24	39.	-15.	6.0	302.4	2.56	1.33	0.50	28.	3.				
1.1	299.8	2.0	301.7	2.78	1.55	0.32	29.	-14.	2.7	299.4	3.06	0.87	0.13	16.	-6.				
		1.2	300.3	2.61	1.00	0.11	21.	-19.	1.4	298.2	2.26	0.71	0.60	18.	7.				
SOIL TEMPERATURES:				26.0	27.9	28.8	NET RADIATION= -30.W/M**2												
DAY 183 STARTING TIME 2110122																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI				
5.8	303.2	9.1	303.8	1.38	2.66	0.12	63.	-16.	17.3	303.6	1.32	1.77	0.30	53.	5.				
3.8	302.9	6.4	303.4	1.68	2.43	0.24	55.	-13.	9.8	303.4	2.04	1.93	0.37	43.	2.				
2.0	301.4	4.0	302.9	2.29	2.23	0.24	44.	-15.	6.0	302.6	2.59	1.71	0.50	33.	3.				
1.1	300.0	2.0	302.0	2.54	1.81	0.23	36.	-16.	2.7	299.8	3.02	1.10	0.13	20.	-6.				
		1.2	301.1	2.38	1.36	0.08	30.	-19.	1.4	298.7	2.31	0.76	0.71	18.	9.				
SOIL TEMPERATURES:				25.7	27.7	28.6	NET RADIATION= -30.W/M**2												
DAY 183 STARTING TIME 21110123																			
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI				
5.8	303.3	9.1	304.0	1.48	2.71	0.11	61.	-16.	17.3	303.8	1.17	2.24	0.35	63.	8.				
3.8	303.0	6.4	303.5	1.80	2.46	0.27	54.	-12.	9.8	303.5	2.14	2.16	0.33	45.	1.				
2.0	301.3	4.0	302.9	2.52	2.19	0.28	41.	-14.	6.0	302.4	2.79	1.78	0.40	33.	-0.				
1.1	299.9	2.0	301.9	2.64	1.70	0.26	33.	-15.	2.7	300.0	3.09	1.13	0.12	20.	-6.				
		1.2	300.9	2.34	1.18	0.09	27.	-19.	1.4	299.0	2.36	0.79	0.76	19.	10.				
SOIL TEMPERATURES:				25.4	27.4	28.4	NET RADIATION= -29.W/M**2												

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TOWER A
DAY 183 STARTING TIME 21120123

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	303.3	9.1	304.1	2.01	2.80	0.15	54.	-16.	17.3	304.0	2.11	2.87	0.39	54.	2.
3.8	303.1	6.4	303.6	2.23	2.52	0.28	48.	-14.	9.8	303.7	2.86	2.55	0.37	42.	-1.
2.0	301.5	4.0	303.1	2.77	2.22	0.31	39.	-15.	6.0	302.3	3.42	1.96	0.35	30.	-2.
1.1	300.0	2.0	301.8	2.93	1.68	0.29	30.	-15.	2.7	300.0	3.16	1.16	0.14	20.	-6.
		1.2	300.7	2.56	1.15	0.10	24.	-19.	1.4	299.2	2.39	0.81	0.79	19.	10.
SOIL TEMPERATURES:				25.2	27.2	28.2	NET RADIATION= -29.W/M**2								

TOWER B
DAY 183 STARTING TIME 21130123

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	303.3	9.1	304.0	2.48	2.61	0.21	46.	-16.	17.3	304.0	2.81	2.84	0.14	45.	-5.
3.8	303.0	6.4	303.8	2.47	2.33	0.30	43.	-14.	9.8	303.8	3.27	2.58	0.33	38.	-3.
2.0	301.0	4.0	302.6	3.03	2.07	0.35	34.	-14.	6.0	302.3	3.73	1.97	0.33	28.	-3.
1.1	299.8	2.0	300.7	3.26	1.44	0.31	24.	-15.	2.7	299.9	3.30	1.13	0.13	19.	-6.
		1.2	299.9	2.80	1.01	0.07	20.	-19.	1.4	299.3	2.51	0.85	0.84	19.	10.
SOIL TEMPERATURES:				25.0	27.0	28.0	NET RADIATION= -28.W/M**2								

TOWER C
DAY 183 STARTING TIME 21140123

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	304.1	9.1	304.8	3.74	3.25	-0.21	41.	-24.	17.3	304.9	3.82	3.68	-0.54	44.	-16.
3.8	303.7	6.4	304.6	3.72	2.97	-0.12	39.	-23.	9.8	304.8	4.07	3.33	-0.30	39.	-12.
2.0	301.5	4.0	303.6	4.28	2.76	-0.11	33.	-22.	6.0	303.0	4.57	2.72	-0.34	31.	-12.
1.1	300.4	2.0	301.6	4.39	2.10	-0.14	26.	-23.	2.7	300.8	4.04	1.99	-0.53	26.	-16.
		1.2	300.9	3.83	1.72	-0.38	24.	-26.	1.4	300.2	3.26	1.66	0.10	27.	-7.
SOIL TEMPERATURES:				24.0	27.5	28.7	NET RADIATION= -36.W/M**2								

TOWER A
DAY 183 STARTING TIME 21150123

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	303.1	9.1	303.8	2.60	2.60	0.22	45.	-16.	17.3	303.8	2.65	3.01	0.25	49.	-3.
3.8	302.7	6.4	303.6	2.59	2.31	0.28	42.	-15.	9.8	303.4	3.30	2.71	0.32	39.	-3.
2.0	300.6	4.0	302.6	3.15	2.13	0.33	34.	-15.	6.0	301.6	3.73	1.95	0.32	28.	-3.
1.1	299.4	2.0	300.6	3.41	1.50	0.29	24.	-16.	2.7	299.6	3.17	1.17	0.12	20.	-6.
		1.2	299.7	2.86	1.02	0.07	20.	-19.	1.4	299.0	2.36	0.85	0.83	20.	11.
SOIL TEMPERATURES:				24.6	26.6	27.6	NET RADIATION= -30.W/M**2								

TOWER B
DAY 183 STARTING TIME 221 0123

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.8	9.1	303.5	2.99	2.55	0.27	40.	-16.	17.3	303.5	3.39	2.67	0.20	38.	-5.
3.8	302.3	6.4	303.3	2.93	2.32	0.34	38.	-14.	9.8	303.4	3.61	2.52	0.34	35.	-3.
2.0	300.3	4.0	302.1	3.40	2.02	0.35	31.	-15.	6.0	301.6	3.91	1.77	0.37	24.	-3.
1.1	299.2	2.0	300.3	3.36	1.39	0.27	23.	-16.	2.7	299.4	3.33	1.06	0.15	18.	-6.
		1.2	299.5	2.81	0.98	0.07	19.	-20.	1.4	298.8	2.47	0.83	0.80	18.	10.
SOIL TEMPERATURES:				24.4	26.4	27.5	NET RADIATION= -30.W/M**2								

TOWER C
DAY 183 STARTING TIME 22110124

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.5	9.1	303.3	3.47	1.54	0.31	24.	-16.	17.3	303.5	3.91	1.90	0.23	26.	-5.
3.8	302.4	6.4	303.0	3.37	1.31	0.35	21.	-15.	9.8	303.4	4.09	1.77	0.32	23.	-4.
2.0	299.9	4.0	302.6	3.59	1.32	0.33	20.	-16.	6.0	301.3	4.40	1.20	0.34	15.	-4.
1.1	298.9	2.0	300.1	3.72	0.95	0.30	14.	-16.	2.7	299.2	3.57	0.75	0.16	12.	-6.
		1.2	299.2	3.07	0.65	0.04	12.	-20.	1.4	298.7	2.63	0.77	0.69	16.	6.
SOIL TEMPERATURES:				24.2	26.2	27.3	NET RADIATION= -30.W/M**2								

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TOWER A
DAY 183 STARTING TIME 22:20:24

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.5	9.1	303.3	3.59	0.84	0.31	13.	-16.	17.3	303.6	4.08	1.33	0.25	18.	-5.
3.8	302.4	6.4	302.9	3.48	0.59	0.37	10.	-15.	9.8	303.5	4.24	0.99	0.24	13.	-5.
2.0	299.8	4.0	302.9	3.59	0.69	0.31	11.	-16.	6.0	301.5	4.55	0.33	0.38	4.	-3.
1.1	298.8	2.0	299.9	3.80	0.61	0.31	9.	-16.	2.7	298.9	3.62	0.34	0.16	5.	-6.
		1.2	298.9	3.13	0.43	0.05	8.	-20.	1.4	298.3	2.63	0.72	0.58	15.	4.

SOIL TEMPERATURES: 24.1 26.0 27.1 NET RADIATION= -29.W/M**2

TOWER B
DAY 183 STARTING TIME 22:30:24

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.5	9.1	303.3	3.47	-0.15	0.32	-2.	-16.	17.3	303.5	4.02	0.48	0.28	7.	-4.
3.8	302.3	6.4	303.0	3.40	-0.52	0.39	-9.	-14.	9.8	303.5	4.17	-0.12	0.23	-2.	-5.
2.0	299.7	4.0	302.8	3.66	-0.45	0.33	-7.	-16.	6.0	301.4	4.48	-0.36	0.39	-5.	-3.
1.1	298.7	2.0	299.9	3.76	0.30	0.31	5.	-16.	2.7	298.8	3.59	-0.03	0.16	-0.	-6.
		1.2	299.1	3.09	0.04	0.05	1.	-20.	1.4	298.2	2.66	0.65	0.40	14.	0.

SOIL TEMPERATURES: 23.9 25.8 26.9 NET RADIATION= -29.W/M**2

TOWER C
DAY 183 STARTING TIME 22:40:24

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.5	9.1	303.5	3.11	-0.25	0.30	-5.	-15.	17.3	303.7	3.35	0.32	0.33	5.	-3.
3.8	302.3	6.4	303.2	3.15	-0.67	0.40	-12.	-14.	9.8	303.5	3.75	-0.23	0.22	-3.	-5.
2.0	299.9	4.0	302.7	3.63	-0.67	0.34	-10.	-15.	6.0	301.3	4.17	-0.47	0.42	-6.	-3.
1.1	298.9	2.0	300.3	3.76	9.99	0.34	999.	-16.	2.7	298.9	3.42	-0.09	0.14	-2.	-6.
		1.2	299.4	3.09	-0.15	0.05	-3.	-20.	1.4	298.3	2.57	0.62	0.34	14.	-1.

SOIL TEMPERATURES: 23.8 25.7 26.8 NET RADIATION= -29.W/M**2

TOWER D
DAY 183 STARTING TIME 22:50:24

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.6	9.1	303.5	3.18	-0.62	0.30	-11.	-16.	17.3	303.7	3.24	0.32	0.37	6.	-2.
3.8	302.4	6.4	303.2	3.11	-0.92	0.38	-17.	-14.	9.8	303.6	3.63	-0.26	0.26	-4.	-4.
2.0	300.0	4.0	302.8	3.57	-0.82	0.34	-13.	-15.	6.0	301.1	3.97	-0.39	0.39	-6.	-3.
1.1	298.8	2.0	300.4	3.76	9.99	0.34	999.	-16.	2.7	299.1	3.25	0.11	0.15	2.	-6.
		1.2	299.5	3.09	-0.16	0.05	-3.	-20.	1.4	298.4	2.46	0.68	0.46	15.	2.

SOIL TEMPERATURES: 23.6 25.5 26.6 NET RADIATION= -29.W/M**2

TOWER E
DAY 183 STARTING TIME 23:01:24

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.6	9.1	303.5	2.80	-0.22	0.28	-4.	-15.	17.3	303.4	1.61	1.08	0.39	34.	5.
3.8	302.6	6.4	303.3	2.78	-0.53	0.36	-11.	-13.	9.8	303.2	2.29	0.64	0.33	16.	0.
2.0	300.4	4.0	303.1	3.14	-0.50	0.31	-9.	-15.	6.0	301.0	2.92	0.47	0.49	9.	1.
1.1	298.8	2.0	300.5	3.57	9.99	0.34	999.	-15.	2.7	298.9	2.55	0.86	0.17	19.	-4.
		1.2	299.4	2.95	0.11	0.06	2.	-20.	1.4	298.2	1.89	0.80	0.69	23.	12.

SOIL TEMPERATURES: 23.4 25.4 26.5 NET RADIATION= -29.W/M**2

TOWER F
DAY 183 STARTING TIME 23:10:25

HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.6	9.1	303.5	1.99	-0.30	0.22	-8.	-15.	17.3	302.1	0.70	1.81	0.15	69.	4.
3.8	302.6	6.4	303.3	1.98	-0.54	0.29	-15.	-12.	9.8	301.8	1.27	1.45	0.18	49.	-0.
2.0	300.6	4.0	303.0	2.47	-0.46	0.26	-10.	-15.	6.0	301.0	1.65	1.10	0.43	34.	6.
1.1	298.8	2.0	300.8	3.25	9.99	0.38	999.	-14.	2.7	299.9	2.10	1.01	0.20	26.	-3.
		1.2	299.3	2.77	0.05	0.07	1.	-19.	1.4	298.8	1.84	0.76	0.67	23.	12.

SOIL TEMPERATURES: 23.2 25.2 26.3 NET RADIATION= -29.W/M**2

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TOWER A
DAY 183 STARTING TIME 23:20:25

HT	POT T	HT	POT T
5.8	302.5	9.1	303.4
3.8	302.4	6.4	303.2
2.0	300.5	4.0	302.9
1.1	298.5	2.0	300.7
		1.2	299.0

SOIL TEMPERATURES: 23.0 25.0 26.2

TOWER B

U	V	W	TH	PHI	HT	POT T
-0.02	0.22	-1.	-15.	17.3	302.0	
-0.40	0.29	-11.	-12.	9.8	301.8	
-0.35	0.27	-8.	-15.	6.0	300.9	
9.99	0.40	999.	-14.	2.7	299.3	
0.17	0.06	4.	-20.	1.4	297.8	

NET RADIATION= -27.W/M**2

TOWER C

U	V	W	TH	PHI
1.11	1.58	0.16	55.	0.
1.46	1.06	0.21	36.	-0.
1.62	0.72	0.43	22.	5.
2.41	0.78	0.18	18.	-4.
2.10	0.71	0.56	19.	7.

DAY 183 STARTING TIME 23:30:25

HT	POT T	HT	POT T
5.8	302.4	9.1	303.4
3.8	302.4	6.4	303.2
2.0	300.5	4.0	302.8
1.1	298.4	2.0	300.9
		1.2	299.0

SOIL TEMPERATURES: 22.8 24.9 26.0

U	V	W	TH	PHI	HT	POT T
-0.42	0.21	-14.	-14.	17.3	301.9	
-0.63	0.28	-21.	-11.	9.8	301.5	
-0.52	0.26	-13.	-14.	6.0	300.5	
9.99	0.40	999.	-14.	2.7	298.7	
0.02	0.08	0.	-19.	1.4	297.4	

NET RADIATION= -27.W/M**2

U	V	W	TH	PHI
0.82	1.29	0.12	58.	0.
1.29	0.78	0.16	31.	-1.
1.74	0.37	0.44	12.	6.
2.35	0.69	0.21	16.	-3.
2.01	0.73	0.62	20.	9.

DAY 183 STARTING TIME 23:40:25

HT	POT T	HT	POT T
5.8	302.4	9.1	303.3
3.8	302.4	6.4	303.1
2.0	300.9	4.0	302.9
1.1	298.4	2.0	301.0
		1.2	298.8

SOIL TEMPERATURES: 22.6 24.7 25.9

U	V	W	TH	PHI	HT	POT T
-0.32	0.22	-10.	-14.	17.3	301.9	
-0.50	0.28	-16.	-12.	9.8	301.7	
-0.38	0.24	-10.	-15.	6.0	300.9	
9.99	0.41	999.	-13.	2.7	298.5	
0.24	0.07	5.	-19.	1.4	296.6	

NET RADIATION= -26.W/M**2

U	V	W	TH	PHI
0.78	0.60	0.22	38.	7.
1.30	0.01	0.21	1.	1.
1.77	-0.35	0.56	-11.	9.
2.59	0.00	0.20	0.	-4.
2.14	0.63	0.34	16.	1.

DAY 183 STARTING TIME 23:50:25

HT	POT T	HT	POT T
5.8	302.3	9.1	303.2
3.8	302.3	6.4	303.0
2.0	300.7	4.0	302.7
1.1	298.5	2.0	300.7
		1.2	298.9

SOIL TEMPERATURES: 22.4 24.5 25.7

U	V	W	TH	PHI	HT	POT T
-0.48	0.23	-14.	-14.	17.3	302.1	
-0.71	0.30	-21.	-12.	9.8	302.0	
-0.61	0.27	-14.	-15.	6.0	301.1	
9.99	0.41	999.	-14.	2.7	298.3	
0.02	0.07	0.	-19.	1.4	296.8	

NET RADIATION= -26.W/M**2

U	V	W	TH	PHI
0.89	0.58	0.15	33.	1.
1.25	0.27	0.24	12.	3.
1.77	-0.11	0.53	-3.	8.
2.57	0.37	0.19	8.	-4.
2.11	0.69	0.55	18.	6.

DAY 184 STARTING TIME 01:01:25

HT	POT T	HT	POT T
5.8	302.4	9.1	303.1
3.8	302.0	6.4	302.8
2.0	299.9	4.0	302.2
1.1	298.7	2.0	300.3
		1.2	299.3

SOIL TEMPERATURES: 22.3 24.3 25.6

U	V	W	TH	PHI	HT	POT T
-1.39	0.32	-27.	-14.	17.3	302.6	
-1.59	0.39	-31.	-13.	9.8	302.4	
-1.24	0.34	-21.	-15.	6.0	301.5	
9.99	0.34	999.	-15.	2.7	299.0	
-0.24	0.06	-5.	-20.	1.4	297.5	

NET RADIATION= -26.W/M**2

U	V	W	TH	PHI
1.06	0.02	0.28	1.	6.
1.55	-0.47	0.25	-17.	1.
2.14	-0.64	0.49	-17.	5.
2.72	-0.18	0.16	-4.	-5.
2.21	0.56	0.23	14.	-2.

DAY 184 STARTING TIME 01:10:26

HT	POT T	HT	POT T
5.8	302.3	9.1	303.0
3.8	301.8	6.4	302.7
2.0	299.7	4.0	302.1
1.1	298.7	2.0	300.3
		1.2	299.4

SOIL TEMPERATURES: 22.1 24.2 25.5

U	V	W	TH	PHI	HT	POT T
-1.82	0.36	-30.	-14.	17.3	302.5	
-1.92	0.41	-33.	-13.	9.8	302.7	
-1.42	0.35	-22.	-15.	6.0	302.0	
9.99	0.33	999.	-16.	2.7	299.9	
-0.32	0.06	-6.	-20.	1.4	298.7	

NET RADIATION= -25.W/M**2

U	V	W	TH	PHI
0.25	0.01	0.01	3.	-5.
1.06	-0.60	0.12	-29.	-2.
1.81	-0.82	0.37	-24.	3.
2.31	-0.28	0.11	-7.	-6.
2.00	0.34	0.11	10.	-5.

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TOWER A					TOWER B					TOWER C						
DAY 184 STARTING TIME 0120126																
HT	POT T	HT	POT T		U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.2	9.1	303.0	2.72	-1.28	0.33	-25.	-14.	17.3	302.0	1.03	1.29	0.20	52.	3.	
3.8	302.0	6.4	302.7	2.63	-1.46	0.38	-29.	-13.	9.8	300.9	1.64	1.39	0.12	40.	-4.	
2.0	299.7	4.0	302.2	3.13	-1.10	0.32	-19.	-15.	6.0	299.9	1.49	1.31	0.32	41.	4.	
1.1	298.6	2.0	300.1	3.42	9.99	0.33	999.	-15.	2.7	299.3	1.60	1.36	0.10	40.	-5.	
		1.2	299.1	2.82	-0.09	0.06	-2.	-20.	1.4	298.6	1.49	0.91	0.85	31.	21.	
SOIL TEMPERATURES:				22.0	24.1	25.3	NET RADIATION= -27.W/M**2									
DAY 184 STARTING TIME 0130126																
HT	POT T	HT	POT T		U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.1	9.1	302.9	1.83	-0.67	0.25	-20.	-13.	17.3	300.9	1.72	3.07	0.32	61.	2.	
3.8	302.1	6.4	302.7	1.77	-0.86	0.31	-26.	-11.	9.8	300.7	1.89	2.41	0.40	52.	4.	
2.0	299.5	4.0	302.1	2.58	-0.62	0.30	-13.	-14.	6.0	300.0	1.82	1.85	0.47	45.	6.	
1.1	298.1	2.0	299.8	3.24	9.99	0.36	999.	-15.	2.7	299.2	1.81	1.46	0.19	39.	-2.	
		1.2	298.5	2.75	0.29	0.06	6.	-20.	1.4	298.5	1.51	0.90	0.85	31.	21.	
SOIL TEMPERATURES:				21.9	23.9	25.2	NET RADIATION= -29.W/M**2									
DAY 184 STARTING TIME 0140126																
HT	POT T	HT	POT T		U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	302.0	9.1	302.9	2.56	-1.03	0.31	-22.	-14.	17.3	300.7	1.02	2.31	0.32	66.	9.	
3.8	301.8	6.4	302.6	2.49	-1.26	0.37	-27.	-12.	9.8	300.5	1.35	1.54	0.34	49.	6.	
2.0	299.3	4.0	302.1	3.12	-1.08	0.34	-19.	-15.	6.0	299.9	1.50	1.12	0.47	37.	9.	
1.1	298.3	2.0	299.7	3.45	9.99	0.33	999.	-15.	2.7	299.0	1.65	0.97	0.24	31.	-0.	
		1.2	298.7	2.85	-0.25	0.07	-5.	-19.	1.4	298.1	1.45	0.79	0.67	28.	17.	
SOIL TEMPERATURES:				21.7	23.8	25.1	NET RADIATION= -28.W/M**2									
DAY 184 STARTING TIME 0150126																
HT	POT T	HT	POT T		U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.9	9.1	302.8	3.37	-0.61	0.34	-10.	-15.	17.3	300.5	0.91	-0.52	0.17	-30.	2.	
3.8	301.6	6.4	302.5	3.26	-0.89	0.39	-15.	-14.	9.8	299.9	1.17	-0.65	0.11	-29.	-3.	
2.0	299.2	4.0	302.2	3.64	-0.74	0.34	-12.	-15.	6.0	299.1	1.26	-0.89	0.39	-35.	9.	
1.1	298.2	2.0	299.5	3.73	9.99	0.32	999.	-16.	2.7	298.2	1.42	-0.78	0.13	-29.	-2.	
		1.2	298.6	3.04	-0.12	0.05	-2.	-20.	1.4	297.3	1.40	-0.06	-0.29	-3.	-20.	
SOIL TEMPERATURES:				21.6	23.6	24.9	NET RADIATION= -26.W/M**2									
DAY 184 STARTING TIME 11 0127																
HT	POT T	HT	POT T		U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.4	9.1	302.3	3.92	-0.31	0.38	-5.	-15.	17.3	301.3	3.51	-0.42	0.86	-7.	5.	
3.8	301.1	6.4	301.9	3.87	-0.53	0.44	-8.	-14.	9.8	300.8	3.37	-0.56	0.40	-9.	-1.	
2.0	299.0	4.0	301.4	4.15	-0.30	0.35	-4.	-16.	6.0	298.8	2.75	-0.64	0.45	-13.	1.	
1.1	298.1	2.0	299.1	3.87	9.99	0.31	999.	-16.	2.7	298.1	1.97	-0.40	0.22	-11.	-2.	
		1.2	298.3	3.13	0.06	0.04	1.	-20.	1.4	297.4	1.59	0.21	-0.08	7.	-11.	
SOIL TEMPERATURES:				21.4	23.5	24.8	NET RADIATION= -25.W/M**2									
DAY 184 STARTING TIME 1110127																
HT	POT T	HT	POT T		U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.2	9.1	302.1	4.18	-0.51	0.39	-7.	-16.	17.3	302.4	4.76	-0.12	0.60	-1.	-1.	
3.8	300.4	6.4	301.7	4.08	-0.66	0.44	-9.	-15.	9.8	302.2	4.90	-0.13	0.32	-1.	-4.	
2.0	298.9	4.0	301.2	4.33	-0.46	0.36	-6.	-16.	6.0	299.3	4.81	-0.14	0.36	-2.	-4.	
1.1	298.1	2.0	298.9	3.83	9.99	0.30	999.	-16.	2.7	298.0	3.60	0.28	0.16	4.	-6.	
		1.2	298.3	3.16	0.11	0.04	2.	-20.	1.4	297.5	2.66	0.71	0.54	15.	3.	
SOIL TEMPERATURES:				21.3	23.4	24.7	NET RADIATION= -28.W/M**2									

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TOWER A				TOWER B					TOWER C						
DAY 184 STARTING TIME 1120127															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	300.9	9.1	301.9	4.43	-0.77	0.43	-10.	-15.	17.3	302.3	5.16	-0.56	0.48	-6.	-3.
3.8	300.0	6.4	301.4	4.28	-0.94	0.46	-12.	-15.	9.8	302.2	5.21	-0.59	0.29	-6.	-5.
2.0	298.8	4.0	300.6	4.53	-0.61	0.36	-8.	-16.	6.0	299.6	4.93	-0.50	0.37	-6.	-4.
1.1	298.2	2.0	298.9	3.82	9.99	0.28	999.	-17.	2.7	298.4	3.75	-0.11	0.16	-2.	-6.
		1.2	298.4	3.14	-0.10	0.03	-2.	-20.	1.4	297.9	2.81	0.58	0.32	12.	-2.
SOIL TEMPERATURES:				21.3	23.3	24.5	NET RADIATION=-26.W/M**2								
DAY 184 STARTING TIME 1130127															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	300.7	9.1	301.9	4.58	-0.12	0.42	-2.	-16.	17.3	302.3	5.49	-0.19	0.34	-2.	-5.
3.8	299.9	6.4	301.4	4.46	-0.40	0.45	-5.	-15.	9.8	302.2	5.64	-0.14	0.30	-1.	-5.
2.0	298.8	4.0	300.3	4.61	-0.20	0.34	-3.	-17.	6.0	299.6	5.42	-0.19	0.40	-2.	-4.
1.1	298.3	2.0	298.9	3.84	9.99	0.27	999.	-17.	2.7	298.4	4.20	0.14	0.19	2.	-6.
		1.2	298.4	3.13	0.16	0.03	3.	-20.	1.4	298.0	3.06	0.71	0.57	13.	2.
SOIL TEMPERATURES:				21.3	23.2	24.4	NET RADIATION=-23.W/M**2								
DAY 184 STARTING TIME 1140127															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	301.0	9.1	302.4	5.16	-0.25	0.18	-3.	-19.	17.3	302.8	6.03	0.19	0.01	2.	-8.
3.8	300.4	6.4	301.8	5.08	-0.46	0.23	-5.	-18.	9.8	302.6	6.12	-0.05	-0.05	-0.	-9.
2.0	299.4	4.0	300.7	5.01	-0.14	0.03	-2.	-21.	6.0	300.2	5.61	0.02	0.09	0.	-7.
1.1	299.0	2.0	299.7	4.23	9.99	0.03	999.	-20.	2.7	299.3	4.42	0.41	-0.16	5.	-10.
		1.2	299.3	3.59	0.24	-0.21	4.	-24.	1.4	298.9	3.41	1.05	0.07	17.	-7.
SOIL TEMPERATURES:				20.8	23.6	24.9	NET RADIATION=-25.W/M**2								
DAY 184 STARTING TIME 1150127															
HT	POT T	HT	POT T	U	V	W	TH	PHI	HT	POT T	U	V	W	TH	PHI
5.8	300.6	9.1	301.8	4.41	-0.62	0.42	-8.	-15.	17.3	302.2	5.35	-0.19	0.35	-2.	-5.
3.8	299.9	6.4	301.3	4.33	-0.81	0.46	-11.	-15.	9.8	302.1	5.39	-0.32	0.30	-3.	-5.
2.0	299.0	4.0	300.3	4.33	-0.54	0.31	-7.	-17.	6.0	299.7	5.00	-0.35	0.41	-4.	-4.
1.1	298.6	2.0	299.3	3.58	9.99	0.27	999.	-16.	2.7	298.8	3.89	0.02	0.17	0.	-6.
		1.2	298.9	2.93	-0.13	0.06	-3.	-20.	1.4	298.4	2.88	0.68	0.49	13.	1.
SOIL TEMPERATURES:				21.4	23.0	24.1	NET RADIATION=-18.W/M**2								

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AVERAGES FOR 108 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 18:15: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	304.8	13.75	-1.02	-1.27	-0.71	353	13.75	304.6	17.87	-0.24	-1.16	0.16	326	17.98	304.3
4.63	-2.28	-0.67	28	4.56	304.9	7.34	-0.80	-1.25	-0.62	347	7.57	304.4	9.92	-0.22	-1.02	0.06	327	10.03	304.4
3.16	9.99	9.99	999	3.13	305.0	4.49	-0.70	-1.30	-0.69	343	4.72	304.3	5.87	-0.16	-1.01	-0.07	324	5.88	304.5
2.25	-2.18	-0.48	32	1.77	305.7	3.21	-0.66	-1.30	-0.63	341	3.30	304.4	3.04	-0.37	-0.84	-0.12	339	3.25	304.6
1.37	-1.88	-0.24	37	0.87	305.5	1.90	-0.64	-1.11	-0.44	345	1.88	304.4	1.61	-0.47	-0.69	-0.08	349	1.75	304.9
0.69	-1.45	-0.69	19	0.19	303.9	0.93	-0.52	-1.00	-0.39	342	0.95	304.6						0.31	306.0
											0.23	304.6							

NET RADIATION AT 15M= 168.W/M**2; AT 1M= 223.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 18:30: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	304.7	13.75	-1.08	-0.54	-0.80	18	13.75	304.5	17.87	-1.25	-1.49	0.03	354	17.98	304.3
4.63	-1.46	-0.41	29	4.56	304.8	7.34	-0.82	-0.50	-0.73	13	7.57	304.3	9.92	-1.19	-1.42	-0.27	354	10.03	304.3
3.16	9.99	9.99	999	3.13	304.8	4.49	-0.71	-0.44	-0.67	13	4.72	304.2	5.87	-1.06	-1.31	-0.34	354	5.88	304.4
2.25	-1.25	-0.20	35	1.77	305.4	3.21	-0.68	-0.43	-0.64	12	3.30	304.2	3.04	-0.84	-1.11	-0.31	352	3.25	304.5
1.37	-0.94	-0.05	42	0.87	305.1	1.90	-0.53	-0.27	-0.43	17	1.88	304.3	1.61	-0.73	-0.91	-0.31	353	1.75	304.6
0.69	-0.65	-0.18	29	0.19	303.4	0.93	-0.43	-0.23	-0.37	17	0.95	304.4						0.31	305.5
											0.23	303.8							

NET RADIATION AT 15M= -7.W/M**2; AT 1M= 28.W/M**2

88 AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 18:45: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	304.1	13.75	-0.54	-0.96	-0.50	344	13.75	303.3	17.87	-0.85	-0.64	0.07	8	17.98	303.7
4.63	-0.63	-1.42	338	4.56	304.2	7.34	-0.31	-0.87	-0.25	334	7.57	303.4	9.92	-0.66	-0.60	0.01	2	10.03	303.5
3.16	9.99	9.99	999	3.13	304.1	4.49	-0.12	-0.80	-0.08	323	4.72	303.2	5.87	-0.45	-0.61	-0.08	351	5.88	303.4
2.25	-0.33	-1.30	329	1.77	304.5	3.21	-0.03	-0.74	0.01	317	3.30	303.2	3.04	-0.19	-0.55	-0.05	333	3.25	303.3
1.37	-0.21	-1.03	326	0.87	304.0	1.90	0.15	-0.65	0.21	302	1.88	303.0	1.61	-0.13	-0.44	0.12	331	1.75	303.1
0.69	0.16	-0.84	304	0.19	302.1	0.93	0.30	-0.49	0.31	283	0.95	302.9						0.31	302.7
											0.23	301.7							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -42.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 19: 0: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	304.0	13.75	-0.19	-2.23	-0.02	319	13.75	302.8	17.87	0.47	-2.13	0.28	302	17.98	303.2
4.63	-0.10	-1.96	317	4.56	304.1	7.34	0.24	-2.03	0.42	308	7.57	303.2	9.92	0.91	-2.09	0.45	291	10.03	302.9
3.16	9.99	9.99	999	3.13	303.9	4.49	0.51	-1.89	0.59	299	4.72	302.9	5.87	1.27	-1.96	0.42	282	5.88	302.5
2.25	0.20	-1.84	308	1.77	304.2	3.21	0.66	-1.68	0.74	293	3.30	302.8	3.04	1.35	-1.49	0.46	272	3.25	302.0
1.37	0.17	-1.50	308	0.87	303.4	1.90	0.83	-1.53	0.87	286	1.88	302.3	1.61	0.98	-1.07	0.72	272	1.75	301.4
0.69	0.54	-1.07	288	0.19	301.6	0.93	0.71	-0.97	0.84	278	0.95	302.1						0.31	301.0
											0.23	301.1							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 191154 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.8	13.75	0.12	-2.53	0.28	312	13.75	302.5	17.87	1.00	-2.76	0.37	295	17.98	303.1
4.63	0.21	-2.33	309	4.56	303.8	7.34	0.57	-2.32	0.75	301	7.57	302.9	9.92	1.43	-2.55	0.59	285	10.03	302.8
3.16	9.99	9.99	999	3.13	303.6	4.49	0.86	-2.16	0.87	293	4.72	302.6	5.87	1.73	-2.40	0.57	279	5.88	302.3
2.25	0.55	-2.06	300	1.77	303.9	3.21	0.97	-1.81	1.00	286	3.30	302.4	3.04	1.60	-1.70	0.55	271	3.25	301.6
1.37	0.39	-1.65	301	0.87	303.0	1.90	1.08	-1.65	1.17	281	1.88	301.9	1.61	1.06	-1.27	0.79	275	1.75	301.1
0.69	0.71	-1.11	282	0.19	301.4	0.93	0.87	-0.94	1.01	272	0.95	301.6						0.31	300.9
											0.23	300.8							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 191301 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.9	13.75	0.05	-2.41	0.22	313	13.75	302.4	17.87	0.90	-2.68	0.35	296	17.98	303.1
4.63	0.29	-2.26	307	4.56	303.8	7.34	0.61	-2.21	0.76	299	7.57	302.8	9.92	1.42	-2.51	0.62	285	10.03	302.7
3.16	9.99	9.99	999	3.13	303.6	4.49	0.98	-2.06	0.95	289	4.72	302.4	5.87	1.77	-2.38	0.60	278	5.88	302.2
2.25	0.67	-2.01	296	1.77	303.8	3.21	1.12	-1.71	1.09	281	3.30	302.2	3.04	1.69	-1.63	0.60	269	3.25	301.4
1.37	0.53	-1.63	297	0.87	302.8	1.90	1.34	-1.54	0.85	273	1.88	301.6	1.61	1.14	-1.20	0.84	271	1.75	300.7
0.69	0.83	-1.06	276	0.19	301.2	0.93	0.97	-0.88	1.08	267	0.95	301.3						0.31	300.3
											0.23	300.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 191451 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.7	13.75	-0.24	-1.88	0.02	322	13.75	302.0	17.87	0.61	-2.24	0.29	299	17.98	303.0
4.63	0.01	-1.76	314	4.56	303.7	7.34	0.39	-1.72	0.55	302	7.57	302.8	9.92	1.19	-2.12	0.54	285	10.03	302.6
3.16	9.99	9.99	999	3.13	303.6	4.49	0.77	-1.69	0.79	290	4.72	302.5	5.87	1.57	-2.11	0.53	278	5.88	302.3
2.25	0.47	-1.67	299	1.77	303.8	3.21	0.98	-1.50	0.99	281	3.30	302.3	3.04	1.84	-1.48	0.62	263	3.25	301.2
1.37	0.45	-1.41	297	0.87	302.7	1.90	1.22	-1.38	1.14	273	1.88	301.6	1.61	1.32	-1.03	0.93	262	1.75	299.9
0.69	0.81	-0.91	273	0.19	300.6	0.93	1.09	-0.86	1.13	263	0.95	301.0						0.31	299.1
											0.23	300.0							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 201 01 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.4	13.75	-0.14	-2.45	-0.00	318	13.75	301.7	17.87	0.75	-2.72	0.33	299	17.98	302.6
4.63	0.12	-2.13	311	4.56	303.4	7.34	0.36	-2.08	0.54	305	7.57	302.4	9.92	1.15	-2.39	0.51	289	10.03	302.2
3.16	9.99	9.99	999	3.13	303.2	4.49	0.69	-1.92	0.71	295	4.72	302.1	5.87	1.46	-2.16	0.48	281	5.88	301.9
2.25	0.53	-1.93	299	1.77	303.4	3.21	0.83	-1.68	0.90	288	3.30	301.9	3.04	1.63	-1.60	0.52	269	3.25	300.9
1.37	0.46	-1.63	299	0.87	302.2	1.90	1.04	-1.54	1.05	281	1.88	301.3	1.61	1.17	-1.14	0.85	269	1.75	299.6
0.69	0.82	-1.08	277	0.19	300.2	0.93	0.96	-1.03	1.04	271	0.95	300.7						0.31	298.8
											0.23	299.8							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 201151 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.9	13.75	0.11	-4.28	0.28	313	13.75	301.7	17.87	1.28	-4.54	0.42	299	17.98	302.1
4.63	0.21	-3.47	311	4.56	302.8	7.34	0.57	-3.65	0.86	306	7.57	302.0	9.92	1.62	-3.72	0.60	291	10.03	301.6
3.16	9.99	9.99	999	3.13	302.6	4.49	0.68	-3.20	0.75	302	4.72	301.7	5.87	1.68	-3.11	0.53	286	5.88	301.2
2.25	0.29	-2.98	309	1.77	302.9	3.21	0.65	-2.73	0.87	301	3.30	301.6	3.04	1.48	-2.44	0.51	283	3.25	300.8
1.37	0.02	-2.43	314	0.87	302.1	1.90	0.66	-2.43	0.91	299	1.88	301.3	1.61	1.04	-1.97	0.80	287	1.75	300.3
0.69	0.49	-1.90	300	0.19	300.8	0.93	0.59	-1.77	0.84	296	0.95	301.2						0.31	299.9
											0.23	300.4							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 201301 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.0	13.75	-0.03	-3.53	0.17	315	13.75	301.7	17.87	1.02	-3.77	0.39	299	17.98	302.2
4.63	0.12	-3.06	312	4.56	302.8	7.34	0.40	-3.06	0.69	307	7.57	302.1	9.92	1.48	-3.14	0.60	289	10.03	301.7
3.16	9.99	9.99	999	3.13	302.6	4.49	0.59	-2.71	0.69	302	4.72	301.8	5.87	1.71	-2.75	0.55	283	5.88	301.2
2.25	0.34	-2.62	307	1.77	302.9	3.21	0.60	-2.30	0.79	300	3.30	301.6	3.04	1.58	-2.06	0.55	277	3.25	300.6
1.37	0.12	-2.12	311	0.87	302.0	1.90	0.63	-2.06	0.85	298	1.88	301.3	1.61	1.09	-1.57	0.82	280	1.75	299.9
0.69	0.54	-1.60	296	0.19	300.6	0.93	0.60	-1.49	0.81	292	0.95	301.1						0.31	299.5
											0.23	300.3							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 201451 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.2	13.75	-0.14	-3.22	0.11	317	13.75	301.7	17.87	0.87	-3.45	0.37	300	17.98	302.2
4.63	0.07	-2.83	313	4.56	302.9	7.34	0.37	-2.78	0.66	307	7.57	302.1	9.92	1.39	-3.00	0.61	290	10.03	301.8
3.16	9.99	9.99	999	3.13	302.7	4.49	0.59	-2.50	0.70	301	4.72	301.8	5.87	1.75	-2.71	0.59	282	5.88	301.3
2.25	0.32	-2.44	307	1.77	302.9	3.21	0.67	-2.14	0.82	297	3.30	301.6	3.04	1.68	-1.99	0.58	274	3.25	300.5
1.37	0.14	-1.96	310	0.87	301.9	1.90	0.75	-1.92	0.89	293	1.88	301.2	1.61	1.18	-1.50	0.87	276	1.75	299.6
0.69	0.56	-1.45	293	0.19	300.5	0.93	0.69	-1.37	0.86	288	0.95	300.9						0.31	299.1
											0.23	299.9							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 211 01 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.2	13.75	-0.18	-2.76	0.08	318	13.75	301.6	17.87	0.71	-2.91	0.33	301	17.98	302.3
4.63	0.13	-2.50	312	4.56	303.0	7.34	0.36	-2.43	0.59	306	7.57	302.2	9.92	1.25	-2.56	0.56	288	10.03	301.9
3.16	9.99	9.99	999	3.13	302.8	4.49	0.65	-2.17	0.73	298	4.72	301.8	5.87	1.60	-2.41	0.54	281	5.88	301.5
2.25	0.43	-2.22	303	1.77	303.1	3.21	0.78	-1.86	0.88	292	3.30	301.6	3.04	1.65	-1.78	0.56	272	3.25	300.6
1.37	0.26	-1.81	306	0.87	302.0	1.90	0.93	-1.70	1.00	286	1.88	301.0	1.61	1.18	-1.32	0.86	273	1.75	299.5
0.69	0.63	-1.28	288	0.19	300.4	0.93	0.87	-1.16	0.97	278	0.95	300.6						0.31	298.8
											0.23	299.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 21:15: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.0	13.75	-0.24	-2.25	-0.00	321	13.75	301.4	17.87	0.63	-2.32	0.30	299	17.98	302.1
4.63	-0.12	-2.02	318	4.56	303.0	7.34	0.22	-1.99	0.47	308	7.57	302.1	9.92	1.07	-2.09	0.49	287	10.03	301.9
3.16	9.99	9.99	999	3.13	302.8	4.49	0.50	-1.83	0.59	299	4.72	301.9	5.87	1.39	-2.02	0.45	280	5.88	301.6
2.25	0.20	-1.84	308	1.77	303.1	3.21	0.64	-1.61	0.75	293	3.30	301.7	3.04	1.64	-1.55	0.54	268	3.25	300.8
1.37	0.14	-1.48	309	0.87	302.0	1.90	0.82	-1.50	0.89	286	1.88	301.1	1.61	1.26	-1.10	0.89	266	1.75	299.3
0.69	0.52	-1.08	289	0.19	300.2	0.93	0.83	-1.03	0.91	276	0.95	300.7						0.31	298.1
											0.23	299.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 21:30: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.0	13.75	-0.21	-2.23	0.02	320	13.75	301.4	17.87	0.67	-2.41	0.30	299	17.98	302.2
4.63	-0.23	-2.02	321	4.56	303.0	7.34	0.20	-1.98	0.44	309	7.57	302.2	9.92	1.11	-2.16	0.50	287	10.03	301.9
3.16	9.99	9.99	999	3.13	302.8	4.49	0.44	-1.87	0.55	301	4.72	302.0	5.87	1.40	-2.08	0.46	281	5.88	301.7
2.25	0.12	-1.90	311	1.77	303.1	3.21	0.56	-1.66	0.70	296	3.30	301.8	3.04	1.63	-1.65	0.54	270	3.25	301.0
1.37	0.09	-1.56	311	0.87	302.0	1.90	0.72	-1.53	0.82	289	1.88	301.3	1.61	1.21	-1.18	0.87	269	1.75	299.6
0.69	0.50	-1.17	291	0.19	300.3	0.93	0.75	-1.09	0.86	280	0.95	300.9						0.31	298.5
											0.23	299.7							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 21:45: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.2	13.75	0.07	-2.17	0.25	313	13.75	301.5	17.87	0.98	-2.20	0.35	291	17.98	302.3
4.63	0.10	-2.06	312	4.56	303.2	7.34	0.49	-1.98	0.68	301	7.57	302.3	9.92	1.32	-2.07	0.55	282	10.03	302.1
3.16	9.99	9.99	999	3.13	303.0	4.49	0.74	-1.88	0.79	293	4.72	302.0	5.87	1.58	-2.01	0.52	276	5.88	301.9
2.25	0.47	-1.91	301	1.77	303.2	3.21	0.90	-1.64	0.95	286	3.30	301.8	3.04	1.75	-1.50	0.59	265	3.25	300.9
1.37	0.37	-1.55	301	0.87	302.1	1.90	1.09	-1.50	1.08	278	1.88	301.2	1.61	1.29	-1.07	0.90	264	1.75	299.4
0.69	0.72	-1.06	280	0.19	300.2	0.93	1.00	-1.00	1.06	270	0.95	300.7						0.31	298.4
											0.23	299.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 22: 0: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.1	13.75	-0.14	-2.33	0.09	318	13.75	301.4	17.87	0.64	-2.40	0.30	299	17.98	302.3
4.63	0.12	-2.22	311	4.56	303.1	7.34	0.37	-2.08	0.59	304	7.57	302.2	9.92	1.16	-2.22	0.52	287	10.03	301.9
3.16	9.99	9.99	999	3.13	302.8	4.49	0.73	-1.95	0.76	294	4.72	301.8	5.87	1.55	-2.19	0.51	279	5.88	301.6
2.25	0.51	-2.01	300	1.77	303.0	3.21	0.92	-1.71	0.95	286	3.30	301.5	3.04	1.84	-1.61	0.60	266	3.25	300.6
1.37	0.38	-1.64	301	0.87	301.9	1.90	1.11	-1.55	1.10	279	1.88	300.9	1.61	1.32	-1.10	0.93	264	1.75	299.0
0.69	0.73	-1.10	281	0.19	300.2	0.93	0.99	-1.03	1.07	270	0.95	300.4						0.31	298.0
											0.23	299.3							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 22:15: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	303.1	13.75	-0.31	-2.32	-0.04	322	13.75	301.3	17.87	0.53	-2.46	0.28	302	17.98	302.3
4.63	-0.22	-2.28	320	4.56	303.0	7.34	0.21	-2.10	0.46	309	7.57	302.2	9.92	1.09	-2.26	0.50	289	10.03	301.9
3.16	9.99	9.99	999	3.13	302.8	4.49	0.58	-2.03	0.64	299	4.72	301.8	5.87	1.50	-2.27	0.48	281	5.88	301.6
2.25	0.19	-2.11	309	1.77	303.0	3.21	0.80	-1.79	0.86	290	3.30	301.5	3.04	1.78	-1.71	0.59	268	3.25	300.5
1.37	0.15	-1.72	309	0.87	301.8	1.90	1.05	-1.65	1.05	282	1.88	300.8	1.61	1.26	-1.17	0.90	267	1.75	298.8
0.69	0.60	-1.23	289	0.19	300.0	0.93	0.98	-1.10	1.07	273	0.95	300.2						0.31	297.8
											0.23	299.1							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 22:30: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.8	13.75	-0.52	-2.73	-0.27	325	13.75	301.2	17.87	0.24	-2.87	0.27	310	17.98	302.1
4.63	-0.43	-2.45	324	4.56	302.7	7.34	-0.08	-2.46	0.21	316	7.57	301.9	9.92	0.85	-2.63	0.44	297	10.03	301.7
3.16	9.99	9.99	999	3.13	302.4	4.49	0.26	-2.22	0.36	308	4.72	301.7	5.87	1.36	-2.43	0.43	285	5.88	301.3
2.25	-0.05	-2.18	316	1.77	302.6	3.21	0.42	-1.90	0.61	302	3.30	301.4	3.04	1.63	-1.95	0.56	275	3.25	300.3
1.37	-0.07	-1.76	317	0.87	301.5	1.90	0.60	-1.72	0.74	295	1.88	300.8	1.61	1.17	-1.39	0.88	274	1.75	298.9
0.69	0.39	-1.36	299	0.19	299.9	0.93	0.64	-1.23	0.79	287	0.95	300.4						0.31	297.9
											0.23	299.2							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 22:45: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.8	13.75	0.03	-2.67	0.23	314	13.75	301.1	17.87	0.88	-2.80	0.36	297	17.98	301.9
4.63	0.08	-2.63	313	4.56	302.6	7.34	0.49	-2.43	0.70	303	7.57	301.8	9.92	1.38	-2.59	0.60	287	10.03	301.6
3.16	9.99	9.99	999	3.13	302.3	4.49	0.80	-2.30	0.83	295	4.72	301.4	5.87	1.77	-2.57	0.60	280	5.88	301.2
2.25	0.39	-2.34	305	1.77	302.5	3.21	0.95	-1.97	1.01	289	3.30	301.1	3.04	1.92	-1.86	0.65	269	3.25	300.0
1.37	0.25	-1.90	307	0.87	301.4	1.90	1.12	-1.78	1.14	282	1.88	300.3	1.61	1.31	-1.33	0.94	270	1.75	298.7
0.69	0.65	-1.38	289	0.19	299.7	0.93	0.98	-1.21	1.09	275	0.95	299.9						0.31	297.9
											0.23	298.7							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 23: 0: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.7	13.75	-0.32	-2.65	-0.12	321	13.75	301.0	17.87	0.60	-2.67	0.30	302	17.98	301.8
4.63	-0.29	-2.42	321	4.56	302.6	7.34	0.15	-2.31	0.40	311	7.57	301.7	9.92	1.14	-2.44	0.52	289	10.03	301.5
3.16	9.99	9.99	999	3.13	302.3	4.49	0.45	-2.13	0.52	303	4.72	301.4	5.87	1.54	-2.37	0.50	281	5.88	301.1
2.25	0.09	-2.16	312	1.77	302.6	3.21	0.60	-1.83	0.72	296	3.30	301.2	3.04	1.74	-1.77	0.59	270	3.25	300.0
1.37	0.04	-1.72	313	0.87	301.4	1.90	0.76	-1.67	0.85	290	1.88	300.5	1.61	1.23	-1.21	0.90	269	1.75	298.5
0.69	0.49	-1.30	294	0.19	299.7	0.93	0.76	-1.18	0.89	282	0.95	300.1						0.31	297.4
											0.23	298.9							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 23:15: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.4	13.75	-0.35	-2.66	-0.11	322	13.75	300.7	17.87	0.52	-2.80	0.30	304	17.98	301.6
4.63	-0.26	-2.50	320	4.56	302.3	7.34	0.18	-2.33	0.44	310	7.57	301.5	9.92	1.10	-2.43	0.50	290	10.03	301.2
3.16	9.99	9.99	999	3.13	302.1	4.49	0.44	-2.15	0.56	303	4.72	301.2	5.87	1.48	-2.31	0.48	282	5.88	300.9
2.25	0.07	-2.22	313	1.77	302.3	3.21	0.56	-1.83	0.71	297	3.30	301.0	3.04	1.75	-1.77	0.59	270	3.25	299.8
1.37	0.04	-1.76	313	0.87	301.1	1.90	0.73	-1.69	0.83	291	1.88	300.4	1.61	1.27	-1.22	0.91	268	1.75	298.3
0.69	0.48	-1.32	295	0.19	299.5	0.93	0.74	-1.19	0.87	283	0.95	300.0						0.31	297.2
											0.23	298.7							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 23:30: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.3	13.75	-0.26	-2.17	-0.00	321	13.75	300.6	17.87	0.60	-2.21	0.29	299	17.98	301.4
4.63	-0.24	-2.15	321	4.56	302.2	7.34	0.20	-1.96	0.42	309	7.57	301.4	9.92	1.08	-2.01	0.48	286	10.03	301.1
3.16	9.99	9.99	999	3.13	302.0	4.49	0.51	-1.80	0.57	299	4.72	301.1	5.87	1.40	-1.98	0.44	279	5.88	300.8
2.25	0.12	-1.93	311	1.77	302.2	3.21	0.65	-1.57	0.73	292	3.30	300.9	3.04	1.71	-1.48	0.56	265	3.25	299.9
1.37	0.10	-1.57	311	0.87	301.0	1.90	0.88	-1.47	0.85	284	1.88	300.2	1.61	1.31	-0.97	0.91	261	1.75	298.0
0.69	0.51	-1.16	291	0.19	299.3	0.93	0.84	-1.00	0.92	275	0.95	299.8						0.31	296.7
											0.23	298.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 183 AT 23:45: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	302.2	13.75	-0.44	-1.65	-0.17	329	13.75	300.1	17.87	-0.32	-0.31	0.14	360	17.98	300.0
4.63	-0.59	-1.68	334	4.56	302.2	7.34	-0.05	-1.49	0.19	316	7.57	301.3	9.92	-0.09	-0.14	0.14	347	10.03	299.5
3.16	9.99	9.99	999	3.13	301.9	4.49	0.28	-1.44	0.36	304	4.72	301.1	5.87	0.13	-0.06	0.08	248	5.88	299.2
2.25	-0.14	-1.64	319	1.77	302.2	3.21	0.51	-1.34	0.60	294	3.30	300.9	3.04	0.41	-0.00	0.16	225	3.25	298.7
1.37	-0.03	-1.37	316	0.87	300.9	1.90	0.80	-1.32	0.81	283	1.88	300.2	1.61	0.52	0.01	0.37	224	1.75	297.9
0.69	0.45	-1.04	291	0.19	298.8	0.93	0.91	-0.90	0.93	269	0.95	299.5						0.31	294.7
											0.23	298.0							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 01:01: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.8	13.75	-0.28	-0.63	-0.19	339	13.75	300.0	17.87	0.24	0.84	0.22	150	17.98	299.4
4.63	-0.59	-1.45	337	4.56	301.8	7.34	-0.05	-0.71	0.04	319	7.57	300.4	9.92	0.42	0.42	0.28	179	10.03	299.1
3.16	9.99	9.99	999	3.13	301.6	4.49	0.20	-0.75	0.21	300	4.72	300.3	5.87	0.67	0.16	0.25	211	5.88	299.0
2.25	-0.24	-1.43	324	1.77	301.9	3.21	0.34	-0.72	0.37	289	3.30	300.2	3.04	0.91	-0.00	0.28	225	3.25	298.6
1.37	-0.09	-1.20	319	0.87	300.7	1.90	0.55	-0.72	0.57	277	1.88	299.8	1.61	1.19	-0.13	0.71	231	1.75	297.6
0.69	0.34	-0.96	295	0.19	298.6	0.93	0.71	-0.55	0.71	262	0.95	299.3						0.31	293.1
											0.23	297.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 0115: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.1	13.75	-0.14	0.18	0.00	97	13.75	297.8	17.87	0.21	0.63	0.21	153	17.98	299.3
4.63	-0.16	-0.67	328	4.56	301.3	7.34	0.18	-0.04	0.22	236	7.57	299.5	9.92	0.53	0.37	0.31	189	10.03	299.2
3.16	9.99	9.99	999	3.13	301.2	4.49	0.44	-0.25	0.41	255	4.72	299.6	5.87	0.89	0.16	0.28	214	5.88	299.2
2.25	0.36	-0.78	290	1.77	301.5	3.21	0.63	-0.33	0.58	252	3.30	299.5	3.04	1.37	-0.00	0.38	225	3.25	298.7
1.37	0.43	-0.73	284	0.87	300.0	1.90	0.88	-0.42	0.74	250	1.88	299.0	1.61	1.63	-0.21	0.97	232	1.75	296.0
0.69	0.86	-0.51	255	0.19	297.1	0.93	1.12	-0.37	0.96	243	0.95	297.9						0.31	293.0
											0.23	296.0							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 0130: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	300.9	13.75	0.32	0.19	0.37	194	13.75	297.2	17.87	0.90	0.01	0.32	224	17.98	299.6
4.63	0.02	-0.47	312	4.56	301.1	7.34	0.51	0.13	0.51	210	7.57	299.5	9.92	1.36	-0.07	0.51	228	10.03	299.4
3.16	9.99	9.99	999	3.13	301.0	4.49	0.74	-0.04	0.68	228	4.72	299.6	5.87	1.81	-0.12	0.51	228	5.88	299.3
2.25	0.58	-0.22	245	1.77	301.4	3.21	0.92	-0.08	0.80	230	3.30	299.5	3.04	2.39	-0.25	0.67	230	3.25	298.3
1.37	0.65	-0.44	259	0.87	299.9	1.90	1.21	-0.27	0.97	237	1.88	299.0	1.61	1.86	-0.36	1.17	235	1.75	294.4
0.69	1.04	-0.27	239	0.19	295.5	0.93	1.42	-0.35	1.22	238	0.95	297.0						0.31	293.6
											0.23	295.2							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 0145: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.0	13.75	0.05	-0.81	0.08	311	13.75	297.6	17.87	0.18	0.30	0.21	165	17.98	299.5
4.63	-0.49	-1.40	334	4.56	301.1	7.34	0.29	-0.82	0.34	295	7.57	299.8	9.92	0.45	0.26	0.28	194	10.03	299.4
3.16	9.99	9.99	999	3.13	301.1	4.49	0.47	-0.87	0.48	286	4.72	299.8	5.87	0.82	0.09	0.26	218	5.88	299.4
2.25	-0.20	-1.38	323	1.77	301.3	3.21	0.63	-0.86	0.63	278	3.30	299.7	3.04	1.42	-0.12	0.38	229	3.25	298.5
1.37	-0.04	-1.14	317	0.87	299.9	1.90	0.90	-0.88	0.81	269	1.88	299.1	1.61	1.59	-0.20	0.95	232	1.75	295.4
0.69	0.45	-0.91	288	0.19	297.2	0.93	1.09	-0.62	1.00	258	0.95	298.0						0.31	293.4
											0.23	296.0							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 11: 01: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	300.9	13.75	-0.25	-0.75	-0.14	333	13.75	297.9	17.87	0.13	0.67	0.20	145	17.98	298.2
4.63	-0.40	-1.69	328	4.56	301.0	7.34	-0.01	-0.82	0.08	315	7.57	299.3	9.92	0.16	0.21	0.25	171	10.03	297.7
3.16	9.99	9.99	999	3.13	300.8	4.49	0.25	-0.96	0.29	300	4.72	299.3	5.87	0.32	-0.18	0.20	254	5.88	297.5
2.25	-0.00	-1.68	315	1.77	301.0	3.21	0.42	-0.95	0.47	291	3.30	299.2	3.04	0.65	-0.41	0.21	257	3.25	297.0
1.37	0.07	-1.42	312	0.87	299.5	1.90	0.63	-0.93	0.64	281	1.88	298.7	1.61	0.87	-0.43	0.57	251	1.75	295.6
0.69	0.56	-1.04	286	0.19	297.6	0.93	0.77	-0.71	0.77	267	0.95	298.0						0.31	292.0
											0.23	296.3							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 1:15:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.49	9.99	999	11.00	300.6	13.75	0.28	-0.86	0.39	297	13.75	297.4	17.87	0.44	-0.21	0.24	251	17.98	298.7
4.63	-0.06	-1.16	317	4.56	300.8	7.34	0.53	-0.92	0.62	285	7.57	299.3	9.92	0.70	-0.55	0.34	263	10.03	298.7
3.16	9.99	9.99	999	3.13	300.7	4.49	0.77	-0.96	0.75	276	4.72	299.4	5.87	1.04	-0.75	0.31	261	5.88	298.6
2.25	0.37	-1.20	297	1.77	300.9	3.21	0.96	-0.94	0.90	269	3.30	299.3	3.04	1.75	-0.73	0.46	247	3.25	297.6
1.37	0.44	-1.08	292	0.87	299.2	1.90	1.32	-1.00	1.12	262	1.88	298.4	1.61	1.57	-0.43	1.00	240	1.75	293.8
0.69	0.88	-0.70	265	0.19	296.6	0.93	1.33	-0.68	1.25	251	0.95	297.0						0.31	292.6
											0.23	295.4							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 1:30:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.0	13.75	0.15	-1.50	0.34	309	13.75	298.5	17.87	0.59	-1.08	0.28	286	17.98	299.6
4.63	-0.22	-1.67	322	4.56	301.1	7.34	0.42	-1.41	0.60	298	7.57	299.8	9.92	0.76	-1.17	0.36	282	10.03	299.4
3.16	9.99	9.99	999	3.13	301.1	4.49	0.64	-1.37	0.69	289	4.72	299.8	5.87	0.98	-1.26	0.28	277	5.88	299.4
2.25	0.09	-1.67	311	1.77	301.3	3.21	0.80	-1.29	0.82	283	3.30	299.7	3.04	1.55	-1.16	0.43	261	3.25	298.7
1.37	0.15	-1.42	308	0.87	299.7	1.90	1.06	-1.23	1.00	274	1.88	299.0	1.61	1.53	-0.58	0.99	245	1.75	294.9
0.69	0.66	-1.02	282	0.19	297.3	0.93	1.07	-0.84	1.06	263	0.95	298.1						0.31	293.2
											0.23	296.5							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 1:45:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.1	13.75	-0.34	-1.36	-0.13	329	13.75	298.3	17.87	0.33	-1.35	0.24	301	17.98	299.8
4.63	-0.30	-1.59	325	4.56	301.1	7.34	0.10	-1.26	0.28	310	7.57	299.8	9.92	0.65	-1.46	0.35	290	10.03	299.6
3.16	9.99	9.99	999	3.13	300.9	4.49	0.42	-1.27	0.49	296	4.72	299.6	5.87	0.99	-1.55	0.26	282	5.88	299.4
2.25	0.10	-1.58	311	1.77	301.1	3.21	0.63	-1.19	0.68	287	3.30	299.5	3.04	1.48	-1.40	0.42	268	3.25	298.7
1.37	0.19	-1.34	307	0.87	299.6	1.90	0.92	-1.16	0.88	276	1.88	298.8	1.61	1.42	-0.88	0.95	256	1.75	295.6
0.69	0.68	-0.96	279	0.19	297.4	0.93	1.04	-0.81	1.02	262	0.95	298.0						0.31	293.7
											0.23	296.4							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 2:00:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	300.9	13.75	0.05	-1.07	0.26	312	13.75	298.0	17.87	0.48	-1.34	0.26	295	17.98	299.8
4.63	0.04	-0.99	312	4.56	301.0	7.34	0.41	-1.02	0.53	292	7.57	299.7	9.92	0.90	-1.42	0.40	282	10.03	299.5
3.16	9.99	9.99	999	3.13	300.9	4.49	0.68	-1.02	0.68	281	4.72	299.6	5.87	1.24	-1.43	0.34	274	5.88	299.4
2.25	0.51	-1.07	289	1.77	301.1	3.21	0.88	-0.97	0.84	272	3.30	299.6	3.04	1.82	-1.23	0.53	259	3.25	298.5
1.37	0.60	-1.01	284	0.87	299.4	1.90	1.20	-1.00	1.04	264	1.88	298.9	1.61	1.63	-0.63	1.06	246	1.75	295.1
0.69	1.00	-0.60	255	0.19	296.6	0.93	1.27	-0.67	1.18	252	0.95	297.5						0.31	293.7
											0.23	295.7							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 2115: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.2	13.75	0.33	-0.83	0.45	293	13.75	298.3	17.87	0.85	-1.39	0.32	283	17.98	300.1
4.63	0.24	-0.48	288	4.56	301.4	7.34	0.56	-0.82	0.64	280	7.57	300.0	9.92	1.13	-1.44	0.43	276	10.03	299.8
3.16	9.99	9.99	999	3.13	301.3	4.49	0.84	-0.88	0.80	271	4.72	299.9	5.87	1.46	-1.43	0.36	269	5.88	299.6
2.25	0.83	-0.52	257	1.77	301.5	3.21	1.04	-0.86	0.94	264	3.30	299.9	3.04	2.22	-1.25	0.65	254	3.25	298.3
1.37	0.90	-0.65	261	0.87	299.7	1.90	1.39	-0.90	1.16	258	1.88	299.0	1.61	1.73	-0.66	1.13	245	1.75	294.7
0.69	1.30	-0.34	239	0.19	295.9	0.93	1.44	-0.56	1.31	246	0.95	297.1						0.31	293.7
											0.23	295.4							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 2130: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.2	13.75	0.47	-0.47	0.45	269	13.75	298.3	17.87	0.99	-1.41	0.34	279	17.98	300.4
4.63	0.22	0.03	216	4.56	301.5	7.34	0.69	-0.45	0.68	258	7.57	300.1	9.92	1.27	-1.45	0.47	273	10.03	300.0
3.16	9.99	9.99	999	3.13	301.4	4.49	0.86	-0.46	0.79	253	4.72	300.2	5.87	1.61	-1.29	0.39	263	5.88	299.8
2.25	0.67	0.05	220	1.77	301.8	3.21	1.02	-0.45	0.90	248	3.30	300.1	3.04	2.35	-0.81	0.69	244	3.25	298.3
1.37	0.74	-0.11	233	0.87	300.2	1.90	1.26	-0.51	1.05	246	1.88	299.5	1.61	1.85	-0.45	1.18	238	1.75	294.7
0.69	1.06	0.01	224	0.19	296.0	0.93	1.46	-0.46	1.27	242	0.95	297.5						0.31	293.7
											0.23	295.4							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

JULY 2-3, 1981; 1813-0345 PST

AVERAGES FOR 198 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 31 03 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	300.7	13.75	0.32	0.87	0.29	154	13.75	297.1	17.87	0.56	1.03	0.27	163	17.98	299.4
4.63	0.76	0.91	174	4.56	300.8	7.34	0.71	0.82	0.64	176	7.57	299.5	9.92	0.97	0.80	0.39	185	10.03	299.2
3.16	9.99	9.99	999	3.13	300.8	4.49	1.04	0.65	0.91	193	4.72	299.5	5.87	1.37	0.69	0.34	198	5.88	299.2
2.25	1.30	0.83	192	1.77	301.0	5.21	1.30	0.67	1.01	197	3.30	299.3	3.04	1.92	0.41	0.51	213	3.25	298.3
1.37	1.56	0.45	208	0.87	299.0	1.90	1.61	0.41	1.22	210	1.88	298.5	1.61	1.70	-0.06	1.06	226	1.75	295.2
0.69	1.56	0.37	211	0.19	295.9	0.93	1.45	0.00	1.29	224	0.95	297.0						0.31	293.6
											0.23	295.6							

NET RADIATION AT 15M= 126.W/M**2; AT 1M= 177.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 3115 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	300.8	13.75	0.27	0.69	0.30	156	13.75	297.1	17.87	0.44	1.52	0.26	151	17.98	298.4
4.63	0.66	0.38	195	4.56	301.1	7.34	0.51	0.61	0.48	174	7.57	299.6	9.92	0.97	1.40	0.36	169	10.03	298.2
3.16	9.99	9.99	999	3.13	301.0	4.49	0.87	0.46	0.76	197	4.72	299.5	5.87	1.33	1.17	0.27	183	5.88	298.1
2.25	1.14	0.34	208	1.77	301.2	3.21	1.10	0.39	0.90	205	3.30	299.4	3.04	1.60	0.71	0.38	201	3.25	297.3
1.37	1.34	0.03	223	0.87	299.2	1.90	1.45	0.12	1.12	220	1.88	298.5	1.61	1.43	0.21	0.85	216	1.75	295.2
0.69	1.54	0.08	221	0.19	295.9	0.93	1.45	-0.19	1.27	232	0.95	296.7						0.31	293.5
											0.23	295.4							

NET RADIATION AT 15M= -23.W/M**2; AT 1M= 7.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 3130 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	300.9	13.75	0.04	0.75	0.14	137	13.75	296.6	17.87	0.17	0.47	0.21	154	17.98	297.7
4.63	0.94	-0.21	237	4.56	301.1	7.34	0.20	0.43	0.20	159	7.57	298.5	9.92	0.71	0.64	0.33	182	10.03	297.6
3.16	9.99	9.99	999	3.13	300.9	4.49	0.49	0.21	0.41	201	4.72	298.5	5.87	1.07	0.63	0.28	194	5.88	297.6
2.25	1.50	-0.16	231	1.77	301.0	3.21	0.73	0.14	0.59	213	3.30	298.5	3.04	1.39	0.46	0.34	206	3.25	297.1
1.37	1.56	-0.42	239	0.87	298.4	1.90	1.00	-0.03	0.78	226	1.88	297.9	1.61	1.50	0.08	0.88	222	1.75	295.0
0.69	1.51	-0.14	230	0.19	296.0	0.93	1.10	-0.10	0.95	230	0.95	296.6						0.31	292.3
											0.23	295.1							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -42.W/M**2

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 184 AT 3145 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	301.0	13.75	-0.08	0.18	0.15	111	13.75	296.0	17.87	0.77	-0.03	0.30	226	17.98	298.2
4.63	1.33	0.04	223	4.56	301.2	7.34	0.11	-0.03	0.20	240	7.57	298.4	9.92	1.12	-0.18	0.43	234	10.03	298.0
3.16	9.99	9.99	999	3.13	301.1	4.49	0.46	-0.16	0.44	244	4.72	298.4	5.87	1.43	-0.25	0.38	234	5.88	297.9
2.25	1.78	0.02	224	1.77	301.1	3.21	0.70	-0.16	0.61	238	3.30	298.3	3.04	1.84	-0.32	0.53	235	3.25	297.3
1.37	1.90	-0.34	235	0.87	298.1	1.90	0.98	-0.26	0.81	239	1.88	297.7	1.61	1.78	-0.36	1.10	236	1.75	293.5
0.69	1.63	-0.09	228	0.19	296.2	0.93	1.11	-0.25	0.98	237	0.95	296.6						0.31	291.9
											0.23	295.0							

NET RADIATION AT 15M= -54.W/M**2; AT 1M= -44.W/M**2

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 328 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 151151 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	3.18	-0.90	2.41	240	13.75	292.0	17.87	5.00	0.84	0.98	215	17.98	292.6
4.63	3.21	-0.09	226	4.56	292.8	7.34	2.53	-0.78	2.39	242	7.57	292.0	9.92	4.26	0.50	0.97	218	10.03	292.5
3.16	9.99	9.99	999	3.13	292.8	4.49	2.31	-0.76	2.03	243	4.72	292.1	5.87	3.86	0.47	1.04	218	5.88	292.6
2.25	2.70	-0.13	227	1.77	292.9	3.21	2.28	-0.72	1.13	242	3.30	292.0	3.04	3.15	0.36	0.80	218	3.25	292.7
1.37	1.66	-0.29	235	0.87	292.9	1.90	1.85	-0.77	1.49	247	1.88	291.8	1.61	2.70	0.15	0.85	221	1.75	292.6
0.69	1.97	0.11	221	0.19	292.1	0.93	1.43	-0.41	1.38	241	0.95	999.9						0.31	293.8
											0.23	291.4							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 151301 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	3.30	0.38	2.48	218	13.75	291.8	17.87	5.46	0.70	1.07	217	17.98	292.4
4.63	3.01	0.69	212	4.56	292.8	7.34	2.42	0.51	2.28	213	7.57	291.8	9.92	4.83	0.56	1.04	218	10.03	292.2
3.16	9.99	9.99	999	3.13	292.8	4.49	2.22	0.40	1.93	214	4.72	291.8	5.87	4.37	0.57	1.18	217	5.88	292.3
2.25	2.49	0.60	211	1.77	292.9	3.21	2.17	0.41	1.09	214	3.30	291.8	3.04	3.46	0.45	0.93	217	3.25	292.3
1.37	1.50	0.19	217	0.87	292.8	1.90	1.80	0.19	1.31	218	1.88	291.6	1.61	2.89	0.18	0.91	221	1.75	292.1
0.69	1.75	0.63	205	0.19	292.1	0.93	1.32	0.34	1.23	210	0.95	999.9						0.31	293.1
											0.23	291.1							

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AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 151451 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	3.56	-0.31	2.76	229	13.75	291.8	17.87	5.28	-0.03	1.07	225	17.98	292.2
4.63	3.40	0.56	215	4.56	292.8	7.34	2.73	-0.16	2.60	228	7.57	291.7	9.92	4.74	-0.19	1.15	227	10.03	291.9
3.16	9.99	9.99	999	3.13	292.8	4.49	2.50	-0.22	2.22	230	4.72	291.8	5.87	4.22	-0.10	1.20	226	5.88	291.8
2.25	2.81	0.37	217	1.77	292.9	3.21	2.43	-0.17	1.19	228	3.30	291.8	3.04	3.34	-0.10	0.93	226	3.25	291.6
1.37	1.61	0.04	223	0.87	292.8	1.90	2.04	-0.36	1.57	234	1.88	291.5	1.61	2.74	-0.21	0.93	229	1.75	291.1
0.69	1.97	0.46	211	0.19	292.0	0.93	1.53	-0.11	1.45	229	0.95	999.9						0.31	291.7
											0.23	291.1							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 161 01 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	4.11	-0.12	3.12	226	13.75	291.8	17.87	5.90	0.51	1.16	220	17.98	291.8
4.63	4.12	0.38	219	4.56	292.8	7.34	3.12	0.03	2.90	224	7.57	291.7	9.92	5.19	0.30	1.14	221	10.03	291.6
3.16	9.99	9.99	999	3.13	292.8	4.49	2.77	-0.04	2.44	225	4.72	291.7	5.87	4.64	0.28	1.23	221	5.88	291.5
2.25	3.37	0.18	221	1.77	292.9	3.21	2.73	0.04	1.30	224	3.30	291.7	3.04	3.68	0.24	0.99	221	3.25	291.4
1.37	1.89	-0.11	228	0.87	292.8	1.90	2.22	-0.22	1.69	230	1.88	291.5	1.61	3.04	0.05	0.95	224	1.75	290.9
0.69	2.38	0.42	215	0.19	292.0	0.93	1.68	0.01	1.60	224	0.95	999.9						0.31	291.4
											0.23	291.0							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 16115: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	4.81	-0.56	3.79	231	13.75	291.8	17.87	6.86	0.09	1.32	224	17.98	291.8
4.63	4.72	0.37	220	4.56	292.7	7.34	3.77	-0.33	3.52	230	7.57	291.7	9.92	5.94	-0.09	1.30	225	10.03	291.5
3.16	9.99	9.99	999	3.13	292.7	4.49	3.42	-0.37	3.01	231	4.72	291.7	5.87	5.21	-0.09	1.34	225	5.88	291.5
2.25	3.92	0.19	222	1.77	292.8	3.21	3.38	-0.25	1.55	229	3.30	291.7	3.04	4.11	-0.08	1.09	226	3.25	291.3
1.37	2.23	-0.15	228	0.87	292.8	1.90	2.79	-0.48	2.19	234	1.88	291.5	1.61	3.38	-0.27	1.06	229	1.75	290.8
0.69	2.82	0.39	217	0.19	291.9	0.93	2.09	-0.24	1.98	231	0.95	999.9						0.31	291.3
											0.23	291.0							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 16130: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	5.13	-1.12	4.07	237	13.75	291.8	17.87	7.73	-0.50	1.45	228	17.98	291.9
4.63	4.62	-0.11	226	4.56	292.6	7.34	3.98	-0.81	3.77	236	7.57	291.7	9.92	6.68	-0.62	1.50	230	10.03	291.6
3.16	9.99	9.99	999	3.13	292.6	4.49	3.54	-0.79	3.17	237	4.72	291.7	5.87	5.89	-0.58	1.57	230	5.88	291.5
2.25	3.81	-0.17	227	1.77	292.8	3.21	3.52	-0.69	1.60	236	3.30	291.6	3.04	4.59	-0.53	1.24	231	3.25	291.3
1.37	2.19	-0.36	234	0.87	292.7	1.90	2.89	-0.82	2.31	240	1.88	291.5	1.61	3.80	-0.63	1.25	234	1.75	290.8
0.69	2.76	0.16	221	0.19	291.9	0.93	2.22	-0.54	2.11	238	0.95	999.9						0.31	291.3
											0.23	291.0							

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AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 16145: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.5	13.75	4.93	-1.91	3.91	246	13.75	291.7	17.87	7.28	-1.15	1.38	233	17.98	291.8
4.63	4.30	-0.81	235	4.56	292.5	7.34	3.86	-1.42	3.66	245	7.57	291.5	9.92	6.10	-1.13	1.43	235	10.03	291.4
3.16	9.99	9.99	999	3.13	292.4	4.49	3.44	-1.30	3.08	245	4.72	291.5	5.87	5.33	-0.98	1.47	235	5.88	291.3
2.25	3.54	-0.81	237	1.77	292.5	3.21	3.39	-1.14	1.55	243	3.30	291.4	3.04	4.16	-0.85	1.14	236	3.25	291.1
1.37	2.05	-0.71	244	0.87	292.4	1.90	2.82	-1.17	2.29	247	1.88	291.2	1.61	3.35	-0.88	1.13	239	1.75	290.5
0.69	2.58	-0.32	232	0.19	291.5	0.93	2.10	-0.82	2.01	246	0.95	999.9						0.31	291.0
											0.23	290.6							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 171 01: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.4	13.75	5.05	-2.47	4.04	251	13.75	291.6	17.87	7.37	-1.72	1.39	238	17.98	291.9
4.63	4.42	-1.14	239	4.56	292.1	7.34	4.18	-1.89	3.97	249	7.57	291.3	9.92	6.17	-1.79	1.45	241	10.03	291.3
3.16	9.99	9.99	999	3.13	292.0	4.49	3.74	-1.66	3.35	248	4.72	291.2	5.87	5.26	-1.46	1.43	240	5.88	291.0
2.25	3.66	-1.03	240	1.77	292.1	3.21	3.69	-1.41	1.68	245	3.30	291.0	3.04	4.00	-1.20	1.09	241	3.25	290.8
1.37	2.13	-0.85	246	0.87	291.9	1.90	3.00	-1.38	2.45	249	1.88	290.8	1.61	3.17	-1.12	1.07	244	1.75	290.2
0.69	2.66	-0.39	233	0.19	291.0	0.93	2.25	-0.99	2.18	248	0.95	999.9						0.31	290.6
											0.23	290.2							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 171151 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.4	13.75	5.37	-2.97	4.26	253	13.75	291.6	17.87	7.46	-2.43	1.41	243	17.98	291.7
4.63	4.77	-1.74	245	4.56	291.7	7.34	4.57	-2.45	4.34	253	7.57	291.2	9.92	5.92	-2.34	1.37	246	10.03	290.9
3.16	9.99	9.99	999	3.13	291.6	4.49	4.12	-2.15	3.68	252	4.72	290.9	5.87	4.95	-1.90	1.37	245	5.88	290.7
2.25	4.01	-1.47	245	1.77	291.6	3.21	4.11	-1.85	1.87	249	3.30	290.8	3.04	3.69	-1.58	1.03	248	3.25	290.4
1.37	2.28	-1.08	250	0.87	291.4	1.90	3.33	-1.69	2.74	251	1.88	290.5	1.61	2.92	-1.46	1.00	251	1.75	289.8
0.69	2.92	-0.63	237	0.19	290.6	0.93	2.49	-1.29	2.45	252	0.95	999.9						0.31	290.2
											0.23	289.9							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 171301 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.4	13.75	5.19	-3.32	4.19	257	13.75	291.6	17.87	7.06	-2.98	1.35	247	17.98	291.8
4.63	4.67	-2.27	250	4.56	291.7	7.34	4.72	-2.99	4.50	257	7.57	291.4	9.92	5.61	-2.73	1.34	250	10.03	290.9
3.16	9.99	9.99	999	3.13	291.5	4.49	4.33	-2.58	3.89	255	4.72	290.9	5.87	4.63	-2.25	1.34	250	5.88	290.6
2.25	3.92	-1.91	250	1.77	291.4	3.21	4.29	-2.15	1.96	251	3.30	290.7	3.04	3.53	-1.85	1.02	252	3.25	290.3
1.37	2.19	-1.29	255	0.87	291.1	1.90	3.51	-1.94	2.91	253	1.88	290.3	1.61	2.75	-1.65	0.97	255	1.75	289.7
0.69	2.85	-0.86	241	0.19	290.3	0.93	2.55	-1.41	2.50	253	0.95	999.9						0.31	290.2
											0.23	289.7							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 171451 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.4	13.75	5.32	-3.46	4.30	258	13.75	291.7	17.87	6.74	-3.20	1.30	250	17.98	291.8
4.63	4.89	-2.16	248	4.56	291.7	7.34	4.84	-3.13	4.63	257	7.57	291.4	9.92	5.33	-2.84	1.17	253	10.03	290.9
3.16	9.99	9.99	999	3.13	291.4	4.49	4.50	-2.69	4.04	255	4.72	290.8	5.87	4.38	-2.38	1.22	253	5.88	290.6
2.25	4.13	-1.78	248	1.77	291.3	3.21	4.44	-2.25	2.02	251	3.30	290.6	3.04	3.32	-1.99	0.94	255	3.25	290.3
1.37	2.34	-1.26	253	0.87	291.0	1.90	3.66	-2.06	3.04	254	1.88	290.3	1.61	2.60	-1.76	0.96	259	1.75	289.7
0.69	3.02	-0.78	239	0.19	290.1	0.93	2.61	-1.47	2.56	254	0.95	999.9						0.31	290.2
											0.23	289.6							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 181 01 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.4	13.75	5.21	-3.32	4.22	257	13.75	291.9	17.87	7.17	-2.59	1.37	244	17.98	292.3
4.63	4.91	-2.45	251	4.56	291.8	7.34	4.91	-3.17	4.69	257	7.57	291.4	9.92	6.04	-2.85	1.42	250	10.03	291.1
3.16	9.99	9.99	999	3.13	291.5	4.49	4.50	-2.76	4.04	256	4.72	290.9	5.87	5.05	-2.28	1.41	249	5.88	290.7
2.25	4.12	-2.00	250	1.77	291.3	3.21	4.45	-2.31	2.03	252	3.30	290.7	3.04	3.79	-1.84	1.07	250	3.25	290.4
1.37	2.32	-1.37	255	0.87	291.1	1.90	3.68	-2.08	3.06	254	1.88	290.4	1.61	2.86	-1.62	1.01	254	1.75	289.7
0.69	3.01	-0.91	241	0.19	290.3	0.93	2.63	-1.54	2.59	255	0.95	999.9						0.31	290.2
											0.23	289.7							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 181151 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	293.3	13.75	4.52	-3.40	3.65	261	13.75	292.9	17.87	4.71	-2.93	0.98	256	17.98	292.9
4.63	4.48	-2.49	254	4.56	292.5	7.34	4.40	-3.17	4.22	260	7.57	292.2	9.92	3.90	-2.63	0.72	258	10.03	291.6
3.16	9.99	9.99	999	3.13	292.1	4.49	4.17	-2.76	3.75	258	4.72	291.6	5.87	3.04	-2.03	0.81	258	5.88	291.0
2.25	3.80	-2.02	252	1.77	292.0	3.21	4.12	-2.30	1.88	254	3.30	291.3	3.04	2.07	-1.60	0.56	262	3.25	290.7
1.37	2.18	-1.36	256	0.87	291.7	1.90	3.39	-2.04	2.81	255	1.88	290.9	1.61	1.50	-1.33	0.59	266	1.75	290.1
0.69	2.78	-0.91	243	0.19	290.8	0.93	2.47	-1.52	2.44	256	0.95	999.9						0.31	290.4
											0.23	290.2							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 181301 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	293.8	13.75	2.01	-3.03	1.67	281	13.75	293.0	17.87	0.12	-1.74	0.21	311	17.98	292.0
4.63	2.83	-2.44	265	4.56	293.1	7.34	2.15	-2.67	2.26	276	7.57	292.6	9.92	0.22	-1.77	0.14	308	10.03	291.6
3.16	9.99	9.99	999	3.13	292.7	4.49	2.27	-2.29	2.12	270	4.72	292.1	5.87	0.43	-1.74	0.36	301	5.88	291.5
2.25	2.59	-1.88	261	1.77	292.4	3.21	2.38	-1.93	1.15	264	3.30	291.9	3.04	0.61	-1.59	0.22	293	3.25	291.1
1.37	1.57	-1.25	263	0.87	292.1	1.90	2.06	-1.74	1.70	265	1.88	291.4	1.61	0.74	-1.33	0.42	285	1.75	289.9
0.69	2.01	-0.87	248	0.19	290.9	0.93	1.46	-1.23	1.53	265	0.95	999.9						0.31	288.7
											0.23	290.4							

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AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 181451 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	294.0	13.75	0.51	-1.56	0.45	297	13.75	292.6	17.87	0.70	-1.60	0.30	291	17.98	292.4
4.63	1.32	-1.77	278	4.56	293.9	7.34	0.62	-1.61	0.65	293	7.57	292.5	9.92	0.81	-1.73	0.30	289	10.03	292.1
3.16	9.99	9.99	999	3.13	293.7	4.49	0.91	-1.60	0.91	285	4.72	292.4	5.87	1.07	-1.76	0.50	283	5.88	292.0
2.25	1.50	-1.45	268	1.77	293.3	3.21	1.12	-1.47	0.64	277	3.30	292.2	3.04	1.51	-1.63	0.44	272	3.25	291.3
1.37	1.00	-0.98	269	0.87	292.8	1.90	1.32	-1.41	1.04	271	1.88	291.5	1.61	1.45	-1.15	0.63	263	1.75	288.7
0.69	1.33	-0.68	252	0.19	291.2	0.93	1.10	-0.94	1.14	265	0.95	999.9						0.31	288.0
											0.23	289.9							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 191 01 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	294.0	13.75	0.35	-0.47	0.28	278	13.75	292.4	17.87	-0.30	-1.75	0.16	324	17.98	291.6
4.63	1.66	-1.20	260	4.56	293.9	7.34	0.44	-0.53	0.59	275	7.57	292.4	9.92	-0.13	-1.59	-0.04	319	10.03	291.2
3.16	9.99	9.99	999	3.13	293.8	4.49	0.69	-0.66	0.68	268	4.72	292.3	5.87	0.18	-1.41	0.19	307	5.88	290.9
2.25	1.80	-1.01	254	1.77	293.4	3.21	0.81	-0.68	0.52	265	3.30	292.2	3.04	0.60	-1.17	0.13	287	3.25	290.1
1.37	1.21	-0.76	256	0.87	292.8	1.90	1.07	-0.73	0.66	259	1.88	291.6	1.61	0.66	-0.85	0.33	277	1.75	288.0
0.69	1.55	-0.45	241	0.19	291.2	0.93	0.92	-0.44	0.91	250	0.95	999.9						0.31	287.3
											0.23	289.8							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 191151 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	294.1	13.75	0.34	-1.31	0.20	300	13.75	292.6	17.87	0.62	-1.55	0.30	293	17.98	291.5
4.63	0.97	-2.24	291	4.56	294.0	7.34	0.46	-1.25	0.65	294	7.57	292.5	9.92	0.76	-1.30	0.17	284	10.03	291.1
3.16	9.99	9.99	999	3.13	293.9	4.49	0.70	-1.22	0.72	285	4.72	292.4	5.87	0.98	-1.07	0.41	272	5.88	290.9
2.25	1.00	-1.81	286	1.77	293.8	3.21	0.85	-1.11	0.54	277	3.30	292.2	3.04	1.11	-0.86	0.32	262	3.25	290.4
1.37	0.84	-1.18	286	0.87	293.4	1.90	1.05	-1.12	0.76	271	1.88	291.7	1.61	1.11	-0.81	0.49	261	1.75	288.7
0.69	1.09	-1.05	268	0.19	291.4	0.93	0.91	-0.77	0.94	265	0.95	999.9						0.31	287.8
											0.23	289.7							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 191301 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	294.4	13.75	0.44	-2.89	0.36	306	13.75	293.4	17.87	0.73	2.00	0.32	155	17.98	291.7
4.63	1.25	-2.79	290	4.56	294.2	7.34	0.59	-2.54	0.89	302	7.57	293.3	9.92	0.84	1.44	0.02	165	10.03	291.4
3.16	9.99	9.99	999	3.13	294.0	4.49	0.78	-2.28	0.86	296	4.72	293.0	5.87	0.93	1.08	0.23	175	5.88	291.2
2.25	1.22	-2.23	286	1.77	293.9	3.21	0.89	-1.98	0.56	290	3.30	292.8	3.04	1.08	0.74	0.22	190	3.25	290.7
1.37	0.75	-1.48	288	0.87	293.6	1.90	0.99	-1.75	0.84	285	1.88	292.2	1.61	1.19	0.43	0.42	205	1.75	289.3
0.69	1.16	-1.33	274	0.19	292.2	0.93	0.78	-1.25	0.91	282	0.95	999.9						0.31	287.3
											0.23	290.8							

55 AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 191451 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	294.5	13.75	1.60	-2.37	1.34	280	13.75	293.7	17.87	0.47	0.57	0.26	174	17.98	291.9
4.63	2.17	-2.31	271	4.56	294.3	7.34	1.67	-2.42	1.82	280	7.57	293.6	9.92	0.52	0.14	0.11	209	10.03	291.7
3.16	9.99	9.99	999	3.13	293.9	4.49	2.11	-2.32	1.92	272	4.72	293.1	5.87	0.67	0.03	0.25	222	5.88	291.4
2.25	2.25	-1.84	264	1.77	293.3	3.21	2.44	-1.96	1.19	263	3.30	292.5	3.04	0.74	-0.12	0.19	234	3.25	290.9
1.37	1.48	-1.22	264	0.87	292.7	1.90	2.23	-1.65	1.81	261	1.88	291.6	1.61	0.88	-0.27	0.37	241	1.75	289.7
0.69	1.83	-0.77	247	0.19	291.4	0.93	1.54	-1.08	1.57	260	0.95	999.9						0.31	287.9
											0.23	290.3							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 201 01 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	293.9	13.75	2.75	-2.23	2.21	263	13.75	293.4	17.87	2.46	-0.64	0.59	239	17.98	292.4
4.63	3.08	-1.28	247	4.56	293.2	7.34	2.66	-1.86	2.64	259	7.57	292.8	9.92	2.27	-0.36	0.44	234	10.03	291.7
3.16	9.99	9.99	999	3.13	292.9	4.49	2.79	-1.61	2.51	255	4.72	292.2	5.87	2.03	-0.25	0.64	232	5.88	291.4
2.25	2.65	-1.04	246	1.77	292.7	3.21	2.91	-1.33	1.37	249	3.30	291.9	3.04	1.65	-0.20	0.46	231	3.25	290.9
1.37	1.70	-0.84	251	0.87	292.3	1.90	2.51	-1.20	2.03	250	1.88	291.2	1.61	1.43	-0.21	0.53	233	1.75	290.0
0.69	2.00	-0.40	236	0.19	291.1	0.93	1.74	-0.74	1.73	248	0.95	999.9						0.31	288.7
											0.23	290.1							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 20:15: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	293.6	13.75	3.26	-3.20	2.64	269	13.75	293.0	17.87	3.37	-2.23	0.78	258	17.98	292.7
4.63	3.49	-2.04	255	4.56	292.9	7.34	3.06	-2.48	3.05	264	7.57	292.5	9.92	3.20	-2.02	0.76	257	10.03	292.2
3.16	9.99	9.99	999	3.13	292.6	4.49	3.02	-2.12	2.77	260	4.72	292.0	5.87	2.97	-1.70	0.92	254	5.88	291.5
2.25	3.03	-1.61	252	1.77	292.4	3.21	3.11	-1.75	1.44	254	3.30	291.7	3.04	2.26	-1.36	0.63	256	3.25	290.7
1.37	1.87	-1.16	256	0.87	292.1	1.90	2.62	-1.58	2.17	256	1.88	291.2	1.61	1.77	-1.15	0.68	258	1.75	289.9
0.69	2.24	-0.76	243	0.19	291.1	0.93	1.88	-1.10	1.88	255	0.95	999.9						0.31	289.9
											0.23	290.2							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 20:30: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	294.1	13.75	0.81	-3.05	0.62	300	13.75	292.7	17.87	0.38	-3.74	0.30	309	17.98	291.5
4.63	1.55	-2.66	284	4.56	293.7	7.34	0.86	-2.64	1.11	296	7.57	292.4	9.92	0.59	-3.65	0.22	305	10.03	290.9
3.16	9.99	9.99	999	3.13	293.4	4.49	1.01	-2.34	1.03	291	4.72	292.2	5.87	0.87	-3.12	0.48	299	5.88	290.4
2.25	1.51	-2.12	279	1.77	293.2	3.21	1.10	-2.01	0.65	286	3.30	292.0	3.04	0.84	-2.40	0.27	295	3.25	289.9
1.37	0.97	-1.41	280	0.87	292.9	1.90	1.15	-1.76	0.92	281	1.88	291.5	1.61	0.67	-1.95	0.44	295	1.75	289.0
0.69	1.46	-1.16	263	0.19	291.6	0.93	0.87	-1.29	0.99	281	0.95	999.9						0.31	288.9
											0.23	290.3							

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AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 20:45: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	293.0	13.75	0.08	-0.02	0.04	239	13.75	291.4	17.87	0.29	-1.89	0.25	306	17.98	291.0
4.63	0.33	-1.04	297	4.56	293.2	7.34	0.24	-0.09	0.42	246	7.57	291.4	9.92	0.80	-2.12	0.26	294	10.03	290.4
3.16	9.99	9.99	999	3.13	293.1	4.49	0.47	-0.17	0.47	244	4.72	291.4	5.87	1.20	-1.85	0.54	282	5.88	290.0
2.25	0.57	-0.96	284	1.77	293.0	3.21	0.62	-0.20	0.45	242	3.30	291.3	3.04	1.44	-1.38	0.46	268	3.25	289.4
1.37	0.47	-0.62	277	0.87	292.6	1.90	0.96	-0.34	0.42	244	1.88	290.9	1.61	1.39	-0.91	0.59	258	1.75	287.9
0.69	0.92	-0.49	252	0.19	290.4	0.93	0.94	-0.16	0.85	234	0.95	999.9						0.31	287.0
											0.23	288.6							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 21: 0: 0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	293.1	13.75	0.25	-0.91	0.30	299	13.75	291.3	17.87	0.26	-1.34	0.23	303	17.98	291.0
4.63	0.48	-2.08	301	4.56	293.1	7.34	0.29	-1.20	0.60	301	7.57	291.3	9.92	0.57	-1.65	0.26	296	10.03	290.6
3.16	9.99	9.99	999	3.13	293.0	4.49	0.54	-1.37	0.63	293	4.72	291.3	5.87	0.94	-1.61	0.46	284	5.88	290.4
2.25	0.65	-1.79	295	1.77	292.8	3.21	0.70	-1.34	0.49	287	3.30	291.1	3.04	1.38	-1.46	0.40	271	3.25	289.8
1.37	0.45	-1.12	292	0.87	292.3	1.90	0.99	-1.33	0.73	278	1.88	290.6	1.61	1.55	-1.08	0.63	259	1.75	287.2
0.69	0.90	-1.06	274	0.19	290.6	0.93	0.96	-0.94	0.98	269	0.95	999.9						0.31	286.1
											0.23	288.7							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 21:15:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.7	13.75	0.29	-0.53	0.31	285	13.75	291.4	17.87	0.41	-0.25	0.24	256	17.98	290.8
4.63	0.45	-1.17	294	4.56	292.8	7.34	0.35	-0.64	0.59	286	7.57	291.5	9.92	0.61	-0.38	0.23	257	10.03	290.6
3.16	9.99	9.99	999	3.13	292.8	4.49	0.64	-0.75	0.66	274	4.72	291.5	5.87	1.12	-0.25	0.46	237	5.88	290.4
2.25	0.72	-1.09	281	1.77	292.6	3.21	0.86	-0.77	0.55	266	3.30	291.4	3.04	1.75	-0.15	0.47	229	3.25	289.4
1.37	0.61	-0.77	276	0.87	292.0	1.90	1.21	-0.86	0.82	260	1.88	290.7	1.61	1.77	-0.15	0.63	229	1.75	286.7
0.69	1.09	-0.55	251	0.19	289.7	0.93	1.18	-0.52	1.12	248	0.95	999.9						0.31	285.8
											0.23	288.3							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 21:30:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.6	13.75	0.36	0.46	0.33	172	13.75	291.3	17.87	0.31	0.79	0.23	156	17.98	290.5
4.63	0.53	-0.49	267	4.56	292.7	7.34	0.41	0.30	0.55	189	7.57	291.4	9.92	0.57	0.51	0.25	183	10.03	290.2
3.16	9.99	9.99	999	3.13	292.7	4.49	0.76	0.09	0.70	217	4.72	291.4	5.87	0.94	0.40	0.41	202	5.88	290.2
2.25	0.81	-0.38	249	1.77	292.6	3.21	0.94	0.02	0.58	223	3.30	291.4	3.04	1.30	0.15	0.36	218	3.25	289.7
1.37	0.56	-0.34	256	0.87	292.1	1.90	1.27	-0.27	0.80	236	1.88	290.8	1.61	1.73	-0.08	0.59	227	1.75	287.3
0.69	1.10	-0.17	233	0.19	289.1	0.93	1.31	-0.14	1.14	231	0.95	999.9						0.31	285.1
											0.23	287.8							

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AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 21:45:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.3	13.75	0.14	-1.20	0.08	308	13.75	291.1	17.87	0.15	-0.15	0.20	269	17.98	290.3
4.63	0.40	-1.73	302	4.56	292.4	7.34	0.11	-1.22	0.38	309	7.57	291.2	9.92	0.11	-0.67	0.16	305	10.03	290.1
3.16	9.99	9.99	999	3.13	292.4	4.49	0.24	-1.24	0.32	304	4.72	291.2	5.87	0.39	-0.78	0.32	288	5.88	290.1
2.25	0.49	-1.45	296	1.77	292.3	3.21	0.27	-1.18	0.33	302	3.30	291.1	3.04	0.87	-0.85	0.28	269	3.25	289.5
1.37	0.33	-0.95	296	0.87	291.8	1.90	0.61	-1.14	0.31	287	1.88	290.7	1.61	1.39	-0.74	0.51	253	1.75	287.4
0.69	0.75	-0.90	275	0.19	289.7	0.93	0.61	-0.80	0.69	277	0.95	999.9						0.31	284.9
											0.23	288.7							

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 22:01:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.0	13.75	0.67	-2.55	0.66	300	13.75	291.1	17.87	0.89	-2.39	0.35	294	17.98	290.7
4.63	0.99	-2.44	292	4.56	291.9	7.34	0.82	-2.45	1.13	296	7.57	291.0	9.92	1.22	-2.29	0.33	286	10.03	290.3
3.16	9.99	9.99	999	3.13	291.6	4.49	1.18	-2.26	1.19	287	4.72	290.8	5.87	1.58	-2.09	0.63	277	5.88	289.9
2.25	1.21	-1.89	282	1.77	291.4	3.21	1.46	-1.95	0.79	278	3.30	290.5	3.04	1.60	-1.42	0.53	266	3.25	288.9
1.37	0.74	-1.32	285	0.87	290.9	1.90	1.53	-1.69	1.28	272	1.88	289.8	1.61	1.43	-1.00	0.59	259	1.75	287.1
0.69	1.26	-0.99	263	0.19	289.4	0.93	1.19	-1.14	1.26	268	0.95	999.9						0.31	285.9
											0.23	288.3							

OCTOBER 16, 1981; 1510-2215 PST

AVERAGES FOR 900 RECORDS OF 1 SECOND EACH ENDING ON JULIAN DAY 289 AT 22:15:0

TOWER A						TOWER B						TOWER C							
HT	U	V	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T	HT	U	V	W	DIR	HT	POT T
10.65	9.99	9.99	999	11.00	292.3	13.75	0.49	-2.96	0.44	305	13.75	291.1	17.67	0.58	-2.43	0.29	301	17.98	290.7
4.63	1.09	-3.18	296	4.56	292.1	7.34	0.57	-2.74	0.92	303	7.57	291.1	9.92	0.87	-2.43	0.25	295	10.03	290.4
3.16	9.99	9.99	999	3.13	292.0	4.49	0.79	-2.54	0.88	297	4.72	290.9	5.87	1.33	-2.33	0.58	285	5.88	290.0
2.25	0.98	-2.62	294	1.77	291.8	3.21	0.94	-2.22	0.59	292	3.30	290.6	3.04	1.68	-1.81	0.53	272	3.25	288.8
1.37	0.45	-1.78	300	0.87	291.4	1.90	1.01	-1.88	0.90	286	1.88	290.0	1.61	1.42	-1.26	0.62	266	1.75	286.9
0.69	1.07	-1.62	281	0.19	290.0	0.93	0.81	-1.35	0.98	283	0.95	999.9						0.31	286.3
											0.23	288.6							

V. Tethersonde Data

Data from 24 Tethersonde flights during the four cases are listed below, labeled with the case date and the launch and landing times. Data are often included after landing of the sonde to give a good sample of the surface temperature and pressure. The Tethersonde data were recorded every 10-20 seconds, but have been edited for this data volume. Below a height of 50m all data are listed. Above 50m, data samples from successive heights differing by less than 10m have been deleted.

The data columns are time, pressure, height, temperature, wet bulb temperature, relative humidity, mixing ratio, wind direction, wind speed, and potential temperature. Several flights list 0.0 in the wet bulb temperature column. Although not included in the listing, the wet bulb depression was measured and used to calculate relative humidity and mixing ratio. During the first flight on June 19, 1980 the wet bulb wick went dry around 2310. This is obvious in the data. On some soundings the sonde battery became too weak and data are only listed for a partial flight, e.g. July 2-3, 1981; 0123-0140.

On the evening of July 2, 1981 a limited comparison was made between the thermistor carried by the Tethersonde and the aspirated thermistors on the towers. The sonde was placed next to a thermistor at tower B and one at tower C for approximately 5 minutes each, and the indicated temperatures were compared. For these two cases the sonde temperatures averaged about 0.6 degrees higher than the tower temperatures. Hence, caution should be exercised in attempting to match or join Tethersonde temperature profiles with tower profiles.

June 19-20, 1980: 2300-2352 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
23: 0: 0	967.2	-1.0	22.2	14.0	39.9	6.9	289.3	3.1	298.2
23: 0:13	966.6	3.9	23.4	14.4	36.6	6.8	311.9	2.9	299.4
23: 0:26	966.2	7.9	23.7	14.6	36.6	7.0	308.2	2.8	299.8
23: 0:39	966.2	7.9	23.8	14.6	36.4	7.0	314.5	3.0	299.8
23: 0:52	965.9	10.1	23.8	14.7	36.6	7.0	312.3	3.0	299.9
23: 1: 6	965.8	11.7	23.8	14.6	36.4	7.0	329.7	3.7	299.9
23: 1:19	965.5	13.8	23.8	14.6	36.5	7.0	338.6	3.8	299.9
23: 1:32	965.3	16.2	23.8	14.6	36.3	7.0	319.0	2.9	299.9
23: 1:45	965.1	17.2	23.9	14.7	36.1	7.0	327.3	3.6	300.0
23: 1:58	964.9	19.6	23.9	14.7	36.0	7.0	330.2	3.3	300.1
23: 2:12	964.7	20.8	24.0	14.7	36.2	7.0	335.3	3.7	300.2
23: 2:25	964.7	21.1	24.0	14.7	35.8	7.0	325.4	3.8	300.2
23: 2:38	964.4	23.7	24.0	14.7	35.8	7.0	349.5	4.0	300.3
23: 2:51	964.2	26.0	24.1	14.8	35.8	7.0	343.2	4.1	300.4
23: 3: 4	964.0	27.5	24.1	14.8	35.6	7.0	336.6	4.8	300.4
23: 3:18	963.9	28.4	24.3	14.8	35.1	7.0	2.1	4.3	300.6
23: 3:31	963.7	30.3	24.3	14.8	35.2	7.0	335.1	4.0	300.6
23: 3:44	963.5	31.9	24.4	14.8	35.2	7.0	345.2	3.2	300.7
23: 3:57	963.4	33.4	24.4	14.8	35.2	7.0	351.6	3.8	300.7
23: 4:10	963.1	35.4	24.4	14.8	35.2	7.0	344.5	3.3	300.7
23: 4:24	963.0	36.4	24.3	14.8	35.5	7.0	349.8	3.7	300.7
23: 4:37	962.9	37.4	24.2	14.8	35.7	7.1	336.2	4.2	300.6
23: 4:51	962.7	39.5	24.2	14.8	35.6	7.0	334.5	3.7	300.6
23: 5: 4	962.6	40.6	24.2	14.8	35.6	7.0	343.2	3.9	300.6
23: 5:17	962.4	42.2	24.2	14.8	35.5	7.0	350.7	3.9	300.6
23: 5:30	962.3	43.4	24.2	14.8	35.5	7.0	349.9	3.8	300.7
23: 5:43	962.1	45.0	24.1	14.8	35.9	7.0	353.0	4.1	300.6
23: 5:57	961.9	46.3	24.2	14.8	35.9	7.1	337.8	4.1	300.6
23: 6:10	961.8	47.2	24.1	14.7	35.7	7.0	1.3	4.0	300.6
23: 6:23	961.6	49.4	24.2	14.8	35.5	7.0	356.7	4.1	300.7
23: 8: 9	960.4	60.2	24.0	14.7	36.4	7.1	347.2	3.7	300.6
23: 9:15	959.3	70.3	23.9	14.7	36.5	7.1	353.6	3.9	300.6
23:10:34	958.0	82.2	23.9	14.7	36.9	7.2	342.5	3.1	300.7
23:11:27	956.6	94.5	23.8	14.7	37.0	7.2	5.3	3.3	300.7
23:12: 6	955.3	106.6	23.6	14.6	37.1	7.1	358.7	3.7	300.7
23:12:59	953.9	119.5	23.6	14.6	37.6	7.2	355.1	3.5	300.8
23:13:39	952.6	131.7	23.5	14.6	38.1	7.3	359.0	3.8	300.8
23:14:19	951.4	142.8	23.3	14.6	38.7	7.3	359.0	3.5	300.7
23:15:12	950.2	152.9	23.1	14.7	40.1	7.5	6.7	3.5	300.6
23:16: 4	948.9	165.4	23.2	15.4	43.9	8.3	21.6	4.6	300.8
23:16:44	947.4	179.0	23.0	16.0	48.9	9.2	18.9	3.8	300.8
23:17:37	946.0	191.7	22.9	17.3	57.9	10.8	15.9	4.2	300.8
23:18:56	944.6	205.0	23.0	19.4	72.4	13.7	14.7	4.9	301.0
23:19:36	943.4	215.8	22.8	19.8	76.9	14.4	16.6	4.7	300.9
23:20:42	942.3	226.4	22.7	20.5	82.5	15.4	17.8	5.1	300.9
23:21:22	941.2	236.7	22.6	20.7	84.8	15.7	29.1	5.0	300.9
23:22: 1	940.1	246.9	22.5	20.8	86.3	15.9	17.7	4.1	300.9
23:22:41	938.8	258.8	22.3	20.8	87.5	16.0	21.3	5.2	300.8
23:24:27	937.6	269.8	22.6	21.4	90.3	16.9	26.0	5.3	301.2
23:25:59	935.9	285.9	22.3	21.4	92.4	17.0	30.7	5.7	301.1
23:26:39	934.8	296.1	22.3	21.4	92.7	17.0	33.2	6.4	301.2
23:28:51	933.5	307.7	22.0	21.3	94.6	17.1	29.5	6.0	301.0
23:29:18	931.6	326.2	21.8	21.2	94.9	17.0	42.5	5.8	301.0
23:31:43	930.4	337.3	21.9	21.3	95.0	17.2	30.6	7.0	301.2
23:32:22	929.2	348.2	21.8	21.2	95.5	17.1	33.2	6.4	301.2
23:33: 2	927.9	360.2	21.6	21.2	96.0	17.1	34.2	6.3	301.2
23:33:42	926.9	370.3	21.5	21.2	97.2	17.2	34.5	6.2	301.2
23:35: 1	925.6	382.0	21.4	21.0	97.3	17.1	42.0	6.2	301.1

23:37:53	926.8	370.6	21.4	21.0	97.4	17.1	42.4	7.6	301.0
23:38:19	928.4	355.5	21.5	21.1	97.4	17.2	49.3	7.5	300.9
23:38:33	929.6	344.8	21.6	21.2	97.2	17.2	40.6	7.6	300.9
23:38:59	931.2	329.7	21.8	21.4	97.0	17.4	41.8	7.5	301.0
23:39:25	932.3	319.2	22.0	21.6	97.4	17.6	46.9	8.2	301.1
23:41:24	933.5	308.1	22.0	21.7	97.0	17.6	45.3	8.3	301.0
23:42:57	934.9	294.8	22.0	21.9	98.6	17.9	37.7	7.1	300.9
23:43:23	936.3	281.7	22.1	21.9	98.3	17.9	31.7	6.8	300.9
23:44:16	937.8	267.8	22.2	21.9	98.1	17.9	47.9	6.6	300.8
23:45:22	939.6	251.5	22.1	21.9	98.7	17.9	3.0	5.3	300.5
23:45:48	941.0	238.6	22.1	22.0	98.6	17.9	14.7	6.1	300.5
23:46:28	942.9	220.6	22.3	22.2	99.0	18.1	5.8	5.4	300.4
23:46:54	945.2	199.0	22.4	22.3	98.9	18.1	17.8	4.8	300.3
23:47: 8	946.9	184.0	22.5	22.3	98.8	18.2	0.7	4.6	300.3
23:47:21	948.7	167.4	22.6	22.5	98.5	18.3	6.1	5.0	300.3
23:47:34	949.8	157.1	22.6	22.4	98.7	18.2	27.6	5.0	300.1
23:47:48	951.0	145.7	22.7	22.5	98.8	18.3	17.7	5.2	300.1
23:48: 1	952.2	135.0	22.7	22.6	98.7	18.4	355.6	5.8	300.1
23:48:14	954.1	117.6	22.9	22.8	98.9	18.5	11.9	4.7	300.0
23:48:27	955.5	104.6	23.0	22.9	98.7	18.6	15.9	4.9	300.0
23:48:40	957.1	89.4	23.1	23.0	98.7	18.7	10.2	4.4	300.0
23:48:54	958.9	73.3	23.3	23.1	98.3	18.8	7.2	4.3	300.0
23:49:20	960.6	58.0	23.5	23.3	98.2	18.9	344.8	3.1	300.1
23:49:46	961.9	45.6	23.7	23.5	97.7	19.1	336.7	3.0	300.2
23:50: 0	962.4	41.7	23.7	23.4	98.1	19.1	322.4	2.7	300.1
23:50:13	962.9	37.1	23.7	23.5	98.3	19.2	338.4	3.1	300.1
23:50:26	963.4	32.1	23.8	23.5	97.8	19.2	338.2	3.2	300.1
23:50:39	964.0	26.4	23.8	23.6	98.5	19.4	341.3	3.3	300.1
23:50:52	964.6	21.2	23.5	23.5	99.9	19.3	299.6	3.2	299.8
23:51: 6	965.0	17.3	23.5	23.3	99.0	19.0	356.5	4.2	299.7
23:51:19	965.8	10.7	23.5	23.4	99.7	19.1	330.8	2.4	299.6
23:51:32	966.4	5.3	23.2	23.3	100.2	18.9	284.1	2.8	299.3
23:51:45	966.8	1.1	22.6	22.9	102.0	18.6	280.9	0.6	298.7
23:51:58	966.9	0.0	22.6	22.7	100.8	18.3	315.5	2.4	298.6
23:52:12	966.7	2.1	22.6	22.7	100.7	18.3	319.4	1.9	298.7
23:52:25	967.4	-4.2	22.3	22.5	101.8	18.1	77.8	0.9	298.2
23:52:38	967.2	-2.5	21.8	22.2	104.1	17.9	67.9	0.6	297.7
23:52:51	967.2	-2.5	21.5	21.9	103.0	17.5	67.9	0.5	297.5
23:53: 4	967.1	-1.8	21.3	21.6	102.7	17.1	68.0	0.8	297.2
23:53:18	967.1	-1.4	21.2	21.3	101.2	16.8	68.1	1.0	297.1
23:53:31	967.2	-2.1	21.3	21.4	101.3	16.9	67.9	0.8	297.3
23:53:44	967.1	-1.8	21.1	21.4	102.9	17.0	68.0	0.6	297.1

June 19-20, 1980: 0001-0042 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
0: 0:47	966.4	3.6	21.8	13.7	40.2	6.8	293.7	2.0	297.8
0: 1: 0	966.1	5.9	21.7	13.7	40.1	6.8	286.2	2.6	297.8
0: 1:13	965.7	9.8	22.3	13.7	37.4	6.5	295.1	3.1	298.4
0: 1:27	965.3	13.6	22.9	13.8	35.8	6.5	332.1	3.1	299.0
0: 1:40	964.8	17.5	23.0	13.8	35.0	6.4	326.8	2.9	299.2
0: 1:53	964.3	22.0	23.2	13.9	35.0	6.5	334.5	3.2	299.5
0: 2: 7	964.0	25.4	23.3	13.9	34.7	6.5	332.5	3.2	299.5
0: 2:20	963.6	29.2	23.3	14.0	34.8	6.5	339.6	3.2	299.7
0: 2:33	963.2	32.8	23.4	14.0	34.4	6.4	344.1	4.1	299.7
0: 2:46	962.8	36.4	23.5	14.1	34.5	6.5	10.6	3.2	299.9
0: 3: 0	962.3	40.4	23.5	14.1	34.8	6.6	15.2	3.2	299.9
0: 3:13	961.8	45.2	23.5	14.1	35.0	6.6	7.1	2.8	300.0
0: 3:26	961.4	48.7	23.4	14.1	34.8	6.6	16.8	3.1	299.9
0: 4: 6	960.2	59.4	23.4	14.0	34.6	6.5	344.6	4.0	300.1
0: 4:45	958.9	71.0	23.4	14.0	34.7	6.5	4.9	3.7	300.1

0: 5:25	957.7	82.3	23.3	14.3	36.4	6.8	6.7	3.0	300.2
0: 6: 4	956.4	93.9	23.2	14.0	35.4	6.6	333.1	4.0	300.2
0: 6:44	955.3	104.0	23.1	14.1	36.8	6.8	2.0	3.9	300.1
0: 7:37	954.1	115.3	23.0	14.2	37.5	6.9	17.3	3.2	300.1
0: 8:43	952.9	125.8	22.9	14.4	39.1	7.2	15.4	4.3	300.2
0: 9:23	951.7	137.3	22.8	14.2	38.5	7.1	15.4	4.3	300.2
0:10: 3	950.3	149.6	22.6	14.0	38.0	6.9	18.6	3.1	300.1
0:10:55	949.1	160.8	22.5	14.1	39.0	7.1	18.6	3.8	300.1
0:11:48	947.8	173.2	22.5	14.0	39.0	7.0	352.0	3.7	300.2
0:12:28	946.6	183.4	22.4	13.9	38.9	7.0	22.5	3.4	300.2
0:13: 7	945.3	195.2	22.2	13.8	38.7	6.9	3.3	3.4	300.2
0:14:40	944.1	206.6	22.0	13.8	40.1	7.1	28.6	3.1	300.1
0:15:19	942.6	220.6	21.9	14.0	41.7	7.3	45.9	4.2	300.1
0:16:12	941.1	234.3	21.8	14.1	42.9	7.5	28.6	4.1	300.2
0:17: 6	939.5	248.7	21.8	14.2	43.7	7.6	34.4	4.2	300.2
0:18:12	938.1	261.6	21.7	14.3	44.7	7.8	31.7	4.4	300.2
0:18:51	936.7	274.8	21.5	14.3	45.5	7.9	54.1	4.7	300.3
0:19:18	935.6	285.3	21.5	14.3	46.0	8.0	50.6	4.0	300.4
0:20:10	934.5	295.6	21.5	14.3	46.4	8.0	54.0	4.3	300.4
0:21: 3	933.3	306.3	21.4	14.2	46.1	7.9	54.9	3.9	300.4
0:22:22	932.2	316.3	21.4	14.2	46.3	8.0	43.4	3.4	300.5
0:25:28	933.3	306.1	21.1	13.9	45.4	7.7	51.6	4.8	300.1
0:26:34	934.7	293.3	21.2	14.0	45.2	7.7	46.5	4.5	300.1
0:27:18	936.1	280.0	21.4	14.2	46.1	7.9	56.3	4.8	300.1
0:27:53	937.7	265.3	21.5	14.3	45.7	7.9	41.8	4.4	300.1
0:28:33	939.3	250.8	21.5	14.3	45.8	7.9	37.6	4.2	300.0
0:28:59	940.5	240.3	21.6	14.3	45.5	7.9	44.3	4.4	300.0
0:29:39	941.7	229.0	21.7	14.4	45.4	7.9	45.3	4.0	300.0
0:30:18	943.2	215.3	21.7	14.1	43.6	7.6	27.9	3.7	299.9
0:30:45	944.3	204.9	21.8	14.0	42.6	7.4	25.1	3.8	299.8
0:31:12	945.5	193.7	21.9	14.1	42.7	7.5	17.8	3.9	299.8
0:31:38	947.0	180.4	21.9	14.0	41.9	7.3	25.9	3.0	299.7
0:32:18	948.9	162.4	22.1	14.2	42.1	7.4	17.9	3.5	299.7
0:32:44	950.4	148.9	22.3	14.1	40.7	7.2	7.8	3.1	299.7
0:33:10	951.9	134.9	24.8	16.6	43.4	9.0	18.7	3.3	302.2
0:33:37	953.0	124.7	22.6	14.1	39.3	7.1	16.6	3.3	299.8
0:34:16	954.1	114.7	22.6	14.2	39.5	7.2	15.2	2.9	299.8
0:34:56	955.3	103.9	22.8	14.1	37.8	6.9	349.8	2.6	299.9
0:35:49	956.8	90.9	22.9	14.1	37.2	6.8	4.9	2.4	299.8
0:36:55	958.0	79.7	23.0	13.9	36.1	6.6	359.2	2.8	299.8
0:38: 1	959.3	67.6	23.1	14.3	37.5	7.0	5.7	3.6	299.8
0:38:41	960.6	56.3	23.2	14.1	35.9	6.7	350.1	3.1	299.8
0:39: 7	961.4	48.5	23.3	14.1	35.9	6.7	347.3	3.2	299.8
0:39:21	961.9	44.5	23.3	14.1	35.6	6.6	360.0	3.0	299.7
0:39:34	962.3	41.1	23.3	14.1	35.4	6.6	347.5	2.9	299.7
0:39:47	962.6	38.1	23.2	14.0	35.2	6.6	346.3	2.9	299.6
0:40: 0	963.0	34.5	23.3	14.1	35.2	6.6	317.8	3.3	299.7
0:40:13	963.4	30.4	23.2	14.0	35.1	6.5	337.5	3.0	299.6
0:40:27	963.8	26.6	23.3	14.0	34.8	6.5	337.8	2.9	299.6
0:40:40	964.3	22.7	23.3	14.0	34.9	6.5	334.4	2.8	299.6
0:40:53	964.8	18.3	23.3	14.0	35.0	6.5	320.2	3.0	299.5
0:41: 6	965.3	13.8	23.2	14.0	34.9	6.5	318.2	3.1	299.4
0:41:19	965.8	9.0	23.1	14.0	35.7	6.6	298.4	2.5	299.2
0:41:33	966.4	3.6	22.8	14.2	38.1	6.9	292.4	1.6	298.9
0:41:46	969.6	-25.2	21.4	13.7	42.0	6.9	255.2	0.2	297.2
0:41:59	966.7	0.8	21.4	13.7	41.5	6.9	341.8	1.0	297.5
0:42:12	965.9	7.9	20.8	13.7	45.5	7.3	267.8	0.9	296.8
0:42:25	966.1	6.1	20.1	13.7	49.2	7.5	240.7	0.2	296.2
0:42:39	966.0	6.9	19.4	13.2	49.8	7.3	240.9	0.2	295.4
0:42:52	966.1	6.5	19.3	13.2	50.5	7.3	240.9	0.2	295.3
0:43: 5	966.0	7.1	19.0	13.1	51.3	7.3	240.9	0.0	295.1
0:43:18	966.1	6.5	19.1	13.0	49.5	7.1	240.9	0.0	295.2

0:43:31	966.1	6.5	19.1	13.0	50.4	7.2	240.8	0.2	295.1
0:43:45	966.1	6.6	19.1	12.9	49.0	7.1	240.8	0.3	295.2
0:43:58	966.0	6.8	19.1	12.9	49.2	7.1	241.0	0.3	295.2

June 19-20, 1980: 0050-0131 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
0:49:43	966.7	0.5	20.8	13.4	43.3	6.9	280.9	0.4	296.8
0:49:56	966.6	0.9	20.3	13.3	45.6	7.0	273.1	0.4	296.3
0:50: 9	966.0	6.1	20.7	12.9	40.0	6.4	324.5	1.9	296.8
0:50:22	965.6	10.2	22.0	13.4	37.0	6.4	327.2	2.3	298.1
0:50:36	965.1	14.5	22.5	13.7	36.7	6.5	327.1	2.0	298.7
0:50:49	964.7	17.9	22.5	13.8	37.1	6.6	314.1	2.1	298.7
0:51: 2	964.3	22.1	22.6	13.9	37.1	6.6	329.0	1.6	298.9
0:51:15	963.8	25.9	22.6	13.9	37.6	6.7	310.7	2.3	298.9
0:51:28	963.3	30.3	22.6	13.9	37.3	6.7	328.1	2.3	298.9
0:51:42	963.0	33.8	22.9	14.0	36.8	6.7	348.0	2.9	299.2
0:51:55	962.6	37.1	23.0	14.1	36.7	6.7	352.9	2.8	299.4
0:52: 8	962.2	40.4	23.0	14.1	36.8	6.8	356.6	2.9	299.5
0:52:21	961.8	44.3	23.0	14.1	36.4	6.7	340.0	3.1	299.5
0:52:34	961.3	48.7	22.9	13.9	36.3	6.6	355.7	3.5	299.4
0:53:14	960.0	60.3	23.0	14.3	37.7	7.0	8.1	3.3	299.7
0:53:54	958.9	70.9	23.0	14.5	39.4	7.3	9.0	3.2	299.7
0:54:33	957.5	82.9	22.9	14.3	39.0	7.1	359.6	2.9	299.7
0:55:13	956.3	94.2	22.8	14.2	38.6	7.0	357.9	2.5	299.7
0:56: 6	954.9	107.0	22.5	14.4	40.8	7.3	17.8	3.0	299.6
0:56:46	953.7	117.4	22.4	14.5	42.4	7.6	25.1	2.8	299.6
0:57:25	952.5	128.7	22.3	14.4	41.9	7.5	17.0	2.8	299.6
0:58: 5	951.0	142.5	22.2	14.3	42.0	7.4	18.3	2.6	299.6
0:58:45	949.4	157.2	22.1	14.2	42.3	7.5	357.8	2.7	299.7
0:59:24	948.1	168.9	22.0	14.3	43.6	7.6	38.5	3.7	299.6
1: 0: 4	946.7	181.7	21.8	14.3	44.1	7.7	30.5	3.5	299.6
1: 0:43	945.2	195.8	21.8	14.4	44.6	7.8	36.0	3.3	299.7
1: 1:23	943.8	208.2	21.6	14.2	44.6	7.7	35.8	3.0	299.7
1: 2: 2	942.4	221.1	21.6	14.3	45.2	7.8	39.0	3.5	299.8
1: 2:42	941.1	233.4	21.6	14.4	46.0	7.9	44.7	3.1	299.9
1: 3:22	939.7	246.0	21.4	14.2	46.0	7.8	47.2	3.2	299.8
1: 4: 2	938.6	256.2	21.3	14.2	46.3	7.9	46.4	3.3	299.8
1: 4:42	937.4	267.6	21.2	14.3	47.1	8.0	53.7	3.5	299.9
1: 5:21	936.1	279.0	21.2	14.3	47.4	8.0	58.8	3.3	299.9
1: 6:14	934.6	292.9	21.0	14.0	47.1	7.9	44.0	3.8	299.9
1: 6:54	933.1	307.0	20.8	13.9	46.8	7.8	57.8	3.8	299.9
1: 7:20	931.8	319.2	20.7	13.8	47.0	7.8	50.4	3.6	299.9
1: 8: 0	930.3	333.4	20.6	13.8	47.4	7.8	53.7	2.7	299.9
1:12:51	931.4	322.6	20.7	14.0	48.2	8.0	58.4	3.1	299.9
1:13:30	932.7	310.3	20.8	14.0	48.1	8.0	50.6	3.1	299.9
1:14:10	934.0	298.5	20.9	14.1	48.2	8.0	51.4	3.1	299.8
1:14:50	935.2	287.7	21.0	14.2	47.9	8.0	51.9	3.3	299.8
1:15:30	936.6	275.0	21.0	14.2	47.7	8.0	52.8	3.4	299.8
1:16: 9	937.9	262.8	21.1	14.2	47.4	8.0	50.9	3.5	299.7
1:16:49	939.1	251.8	21.1	14.0	45.8	7.7	52.5	3.7	299.6
1:17:28	940.3	240.4	21.1	13.8	44.5	7.5	33.0	2.6	299.5
1:18: 8	941.7	227.3	21.2	13.8	44.3	7.5	17.5	3.0	299.5
1:18:48	943.2	213.7	21.3	13.8	43.6	7.4	25.7	3.0	299.4
1:19:14	944.5	202.1	21.3	13.7	42.6	7.2	18.1	2.6	299.3
1:19:54	945.9	189.2	21.5	14.0	43.8	7.5	39.9	2.7	299.3
1:20:21	947.2	177.2	21.6	13.9	42.6	7.3	44.5	2.2	299.3
1:20:47	948.7	163.9	21.7	14.0	42.6	7.3	17.7	2.3	299.3
1:21:13	949.9	152.4	21.9	14.0	42.0	7.3	29.5	2.6	299.4
1:21:40	951.1	141.6	21.9	14.1	42.4	7.4	20.9	2.2	299.3
1:22: 6	952.4	129.5	22.0	14.2	42.2	7.4	20.1	2.5	299.3

1:22:46	954.1	114.2	22.2	14.1	41.2	7.3	17.1	2.1	299.3
1:23:12	955.3	103.4	22.1	14.1	41.0	7.2	343.3	2.3	299.1
1:23:52	956.5	92.7	22.4	14.0	39.2	7.0	356.1	2.9	299.3
1:24:45	957.6	82.3	22.5	14.2	39.5	7.1	359.2	2.4	299.3
1:25:38	958.9	70.5	22.5	14.3	40.4	7.2	6.7	2.3	299.3
1:26:31	960.2	58.7	22.7	14.4	40.4	7.3	344.8	2.5	299.3
1:27:24	961.4	48.3	22.8	14.3	39.2	7.1	351.8	2.3	299.3
1:27:37	961.7	45.8	22.8	14.4	39.4	7.2	350.6	2.3	299.3
1:27:50	961.9	43.2	22.8	14.3	39.0	7.1	343.4	2.2	299.3
1:28: 3	962.1	42.0	22.8	14.3	38.6	7.0	337.1	2.4	299.3
1:28:16	962.3	40.2	22.9	14.3	38.8	7.1	334.0	2.5	299.3
1:28:30	962.6	37.0	22.9	14.3	38.4	7.0	333.4	2.4	299.3
1:28:43	962.9	34.3	22.9	14.3	38.3	7.0	327.5	2.3	299.3
1:28:56	963.3	31.1	22.9	14.3	38.1	7.0	331.1	2.3	299.2
1:29: 9	963.6	27.8	22.9	14.3	38.2	7.0	335.3	2.6	299.2
1:29:22	964.0	25.0	22.9	14.3	38.3	7.0	333.7	2.5	299.2
1:29:36	964.3	22.2	22.9	14.3	38.6	7.0	311.3	2.3	299.1
1:29:49	964.5	19.8	22.8	14.3	39.1	7.1	313.5	2.5	299.0
1:30: 2	964.8	17.1	22.8	14.3	39.2	7.1	315.8	2.6	298.9
1:30:15	965.1	14.7	22.8	14.3	39.2	7.1	295.4	3.0	299.0
1:30:28	965.5	11.3	22.7	14.3	39.2	7.0	299.7	2.3	298.8
1:30:42	965.9	7.7	22.7	14.3	39.8	7.1	307.7	2.6	298.8
1:30:55	966.2	5.1	22.4	14.4	41.4	7.3	282.5	2.3	298.5
1:31: 8	966.4	3.3	21.5	14.4	45.7	7.6	284.6	1.2	297.6
1:31:21	967.1	-3.3	21.1	14.1	46.1	7.5	280.4	1.6	297.1
1:31:34	966.4	3.0	21.3	14.1	45.4	7.5	52.1	0.8	297.3
1:31:48	966.5	2.0	20.5	14.1	49.7	7.8	81.7	0.2	296.5
1:32: 1	966.5	1.9	20.1	14.0	51.0	7.8	81.4	0.1	296.1
1:32:14	966.6	1.5	19.8	13.9	52.3	7.8	81.4	0.2	295.8
1:32:27	966.6	1.1	19.6	13.8	52.7	7.8	81.2	0.1	295.6
1:32:40	966.5	1.6	19.5	13.7	52.4	7.7	81.4	0.1	295.5
1:32:54	966.5	1.6	19.3	13.6	53.3	7.8	81.4	0.3	295.3
1:33: 7	966.6	1.5	19.4	13.7	53.2	7.8	81.4	0.4	295.4
1:33:21	966.6	1.6	19.3	13.6	52.9	7.7	81.3	0.1	295.3

June 19-20, 1980: 0135-0234 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
1:35: 6	966.6	1.3	21.3	13.7	42.5	7.0	284.0	2.0	297.4
1:35:19	966.3	4.3	22.0	13.9	40.2	6.9	289.2	2.0	298.1
1:35:33	965.9	7.1	22.3	14.1	40.0	7.0	314.4	2.2	298.4
1:35:46	965.6	9.9	22.5	14.2	39.3	7.0	311.5	2.2	298.7
1:35:59	965.3	12.5	22.6	14.2	39.0	7.0	315.1	2.6	298.8
1:36:12	965.0	15.3	22.7	14.2	38.6	7.0	328.1	2.7	298.9
1:36:25	964.7	18.0	22.9	14.2	37.8	6.9	321.9	2.7	299.1
1:36:39	964.5	19.8	22.9	14.2	38.0	6.9	340.6	2.3	299.1
1:36:52	964.3	22.3	22.9	14.2	37.9	6.9	337.8	2.5	299.1
1:37: 5	963.9	25.3	22.8	14.2	38.3	7.0	336.5	2.8	299.1
1:37:18	963.7	27.0	22.8	14.2	38.6	7.0	345.7	2.1	299.1
1:37:31	963.4	29.7	22.7	14.2	38.9	7.0	7.0	2.5	299.0
1:37:45	963.1	32.7	22.9	14.4	39.1	7.1	337.8	2.5	299.2
1:37:58	962.9	34.8	22.8	14.4	39.5	7.2	330.9	2.1	299.2
1:38:11	962.6	37.4	22.8	14.3	39.3	7.1	359.4	1.9	299.1
1:38:24	962.3	40.0	22.7	14.3	39.5	7.1	335.9	1.8	299.1
1:38:37	962.1	42.0	22.8	14.4	39.5	7.2	339.4	2.2	299.2
1:38:51	961.9	44.0	22.7	14.4	39.7	7.2	351.0	2.4	299.2
1:39: 4	961.6	46.3	22.8	14.4	39.7	7.2	9.3	2.2	299.2
1:39:17	961.4	48.4	22.7	14.4	39.7	7.2	6.4	2.0	299.2
1:40:24	960.1	59.5	22.7	14.4	40.1	7.2	5.2	2.0	299.3
1:41:16	959.0	69.5	22.6	14.3	39.9	7.2	354.5	2.2	299.3
1:42:22	957.7	81.4	22.5	14.2	40.0	7.2	357.9	2.3	299.3

1:43:28	956.4	93.8	22.5	14.2	40.0	7.2	2.1	2.7	299.5
1:44:34	955.0	106.1	22.3	14.3	41.2	7.3	356.7	2.1	299.4
1:45:40	953.8	116.9	22.2	14.0	40.2	7.1	352.8	1.6	299.4
1:46:21	952.5	128.6	22.1	14.1	40.8	7.2	3.7	2.3	299.4
1:46:47	951.3	139.5	22.0	14.0	41.3	7.2	2.6	1.8	299.4
1:47:27	949.8	153.3	21.9	14.1	42.4	7.4	17.2	1.9	299.4
1:48: 6	948.5	165.7	21.7	14.0	42.8	7.4	16.2	2.0	299.4
1:48:46	947.0	179.1	21.6	14.0	43.1	7.4	16.6	2.1	299.4
1:49:25	945.6	192.3	21.5	14.0	43.4	7.4	10.7	2.2	299.4
1:50: 5	944.2	205.0	21.4	13.8	43.5	7.4	17.3	2.0	299.4
1:50:45	942.9	217.1	21.3	13.9	44.2	7.5	17.5	2.2	299.4
1:51:24	940.3	240.8	21.3	13.4	41.2	7.0	26.5	2.3	299.6
1:52:44	938.8	254.0	21.1	14.1	46.5	7.8	28.7	2.6	299.6
1:53:24	937.6	265.8	20.9	14.1	47.3	7.9	32.7	2.3	299.6
1:54:16	936.1	279.1	20.9	14.1	48.0	8.0	23.5	2.3	299.7
1:54:56	935.0	289.7	20.9	14.1	48.2	8.0	20.8	2.2	299.7
1:55:36	933.9	299.7	20.8	14.1	48.4	8.0	17.0	2.0	299.7
1:56:28	932.5	312.7	20.7	14.0	48.5	8.0	17.1	2.0	299.8
1:57: 8	931.2	324.3	20.6	14.0	48.6	8.0	16.8	2.1	299.8
1:57:48	930.0	335.4	20.5	13.9	48.7	8.0	17.6	1.9	299.8
1:58:28	928.8	347.1	20.7	13.8	47.2	7.8	34.0	2.1	300.1
1:59: 7	927.6	358.4	20.7	13.8	47.1	7.8	51.3	2.1	300.3
1:59:47	926.4	369.5	20.7	13.8	46.9	7.8	62.9	2.3	300.3
2: 0:40	924.9	383.5	20.6	13.7	47.1	7.8	56.3	2.5	300.4
2: 1:19	923.8	393.5	20.5	13.6	47.4	7.8	65.3	2.7	300.3
2: 1:59	922.7	404.0	20.5	13.6	46.8	7.7	71.1	2.9	300.5
2: 2:52	921.5	415.5	20.5	13.5	46.7	7.7	82.4	3.1	300.6
2: 3:58	920.3	426.8	20.4	13.4	46.5	7.6	85.1	3.4	300.6
2: 5: 4	919.0	439.0	20.3	13.4	46.6	7.6	82.6	3.3	300.6
2: 6:24	917.7	451.0	20.3	13.3	46.2	7.5	84.3	3.7	300.7
2: 7:56	916.5	461.9	20.2	13.2	45.9	7.5	81.7	3.3	300.7
2: 8:22	915.3	473.0	20.1	13.1	45.9	7.4	80.7	3.5	300.8
2: 8:49	914.0	485.2	20.1	13.1	46.0	7.4	76.2	3.3	300.8
2: 9:16	912.8	497.0	20.0	13.0	45.8	7.4	73.1	3.5	300.9
2: 9:42	911.7	507.3	19.9	12.9	45.5	7.3	67.0	3.4	300.9
2:10:22	910.5	518.9	20.0	12.8	44.5	7.2	64.1	3.5	301.1
2:11: 1	909.3	530.3	19.9	12.7	44.4	7.1	62.2	3.5	301.1
2:11:41	908.1	541.3	19.9	12.8	45.3	7.3	62.7	3.4	301.2
2:13:13	909.4	528.8	19.8	12.7	44.9	7.2	69.2	4.3	301.0
2:13:54	910.5	518.4	19.9	12.7	44.5	7.1	70.1	4.4	301.0
2:14:33	911.9	505.1	20.0	12.8	44.3	7.1	69.9	4.4	301.0
2:15: 0	913.1	493.8	20.0	12.8	44.1	7.1	71.6	4.5	300.9
2:15:26	914.3	483.2	20.2	12.9	43.9	7.1	66.3	4.4	300.9
2:16: 6	915.6	470.4	20.3	12.9	43.9	7.2	76.3	5.0	300.9
2:16:58	916.7	460.1	20.3	12.9	43.3	7.1	78.7	5.2	300.9
2:18:18	917.9	448.6	20.5	12.9	42.9	7.1	78.7	5.1	300.9
2:19:51	919.0	438.3	20.2	13.2	46.0	7.5	71.8	4.6	300.5
2:20:30	920.4	425.7	20.2	13.3	46.1	7.5	75.1	4.5	300.4
2:20:57	921.5	415.1	20.2	13.4	47.0	7.6	70.8	4.3	300.3
2:21:23	923.0	401.0	20.2	13.4	47.4	7.7	73.7	3.7	300.1
2:21:49	924.6	386.3	20.3	13.5	47.3	7.7	65.5	4.1	300.1
2:22:16	926.0	373.1	20.5	13.6	47.2	7.7	50.7	4.3	300.1
2:22:43	927.5	358.9	20.5	13.6	47.0	7.7	64.6	3.2	300.0
2:23: 9	929.1	343.8	20.6	13.7	46.9	7.7	58.6	3.7	300.0
2:23:36	930.7	329.5	20.7	13.8	46.7	7.7	37.3	3.7	300.0
2:24: 2	932.5	312.8	20.8	13.8	46.6	7.7	38.8	3.1	299.9
2:24:28	934.4	294.7	20.9	14.0	47.0	7.8	23.0	3.4	299.8
2:24:55	936.5	275.8	20.9	14.0	47.6	7.9	16.3	3.5	299.6
2:25:21	938.6	256.5	20.9	14.1	47.4	7.9	18.3	3.3	299.5
2:25:48	940.7	236.7	21.1	14.2	47.2	7.9	15.9	3.5	299.4
2:26:15	942.9	216.6	21.2	14.2	46.7	7.9	19.0	3.3	299.3
2:26:28	944.1	205.5	21.3	14.2	46.2	7.8	8.3	3.4	299.3

2:26:41	945.3	194.8	21.4	14.2	45.7	7.8	12.2	3.1	299.3
2:26:54	946.5	183.6	21.5	14.2	45.3	7.7	7.7	3.5	299.3
2:27: 7	947.7	172.6	21.5	14.2	44.8	7.6	17.2	3.7	299.2
2:27:21	948.9	162.0	21.6	14.2	44.4	7.6	358.3	3.0	299.2
2:27:47	951.0	143.1	21.8	14.2	43.6	7.5	352.3	2.7	299.2
2:28:13	953.0	124.2	22.0	14.2	42.4	7.4	348.2	2.8	299.2
2:28:40	954.6	110.1	22.2	14.3	41.7	7.4	360.0	3.2	299.3
2:29: 6	956.0	97.5	22.4	14.3	41.2	7.3	353.4	3.3	299.4
2:29:46	957.4	84.3	22.6	14.4	41.0	7.4	348.7	3.0	299.4
2:30:12	958.6	73.4	22.7	14.5	40.7	7.4	3.7	3.0	299.4
2:30:39	959.8	62.2	22.8	14.5	40.1	7.3	340.8	3.1	299.4
2:31: 6	961.0	51.6	22.9	14.5	40.0	7.3	339.4	3.3	299.4
2:31:19	961.6	45.9	22.9	14.5	39.8	7.3	335.3	3.3	299.4
2:31:32	962.2	41.3	23.0	14.6	39.7	7.3	331.2	3.0	299.4
2:31:45	962.6	37.4	23.0	14.6	39.8	7.3	330.2	3.2	299.4
2:31:58	963.0	33.6	23.0	14.6	39.9	7.3	327.1	3.3	299.3
2:32:12	963.5	28.9	23.0	14.6	39.8	7.3	330.6	3.2	299.4
2:32:25	964.0	24.6	23.0	14.6	39.9	7.3	317.7	3.4	299.3
2:32:38	964.5	19.8	23.0	14.7	40.1	7.4	326.8	3.5	299.2
2:32:51	964.9	16.9	23.0	14.7	40.5	7.4	313.9	3.4	299.2
2:33: 4	965.4	12.3	22.9	14.7	40.9	7.4	304.2	3.3	299.1
2:33:18	965.9	7.9	22.8	14.6	41.2	7.4	290.2	3.1	298.9
2:33:31	966.5	2.3	22.4	14.7	43.7	7.7	278.7	2.1	298.4
2:33:44	967.5	-6.4	21.5	14.8	48.1	8.1	247.9	0.2	297.5
2:33:57	969.3	-22.8	21.2	14.6	48.7	8.0	202.2	1.1	297.0
2:34:10	966.6	1.3	20.8	14.6	51.5	8.3	231.0	0.3	296.8
2:34:24	966.5	1.7	20.6	14.4	51.5	8.1	231.4	0.8	296.6
2:34:37	966.5	1.9	20.5	14.3	51.4	8.1	231.4	0.4	296.5
2:34:50	966.5	1.9	20.4	14.3	51.5	8.1	231.4	0.6	296.4
2:35: 3	966.5	1.9	20.5	14.4	51.5	8.1	231.6	0.4	296.5
2:35:16	966.5	2.0	20.3	14.3	52.3	8.1	231.6	0.4	296.3
2:35:30	966.5	1.9	20.4	14.3	51.5	8.0	231.7	0.7	296.4
2:35:43	966.5	1.9	20.3	14.3	52.4	8.1	231.7	0.4	296.3
2:35:56	966.5	1.9	20.2	14.3	52.6	8.1	231.7	0.3	296.2
2:36: 9	966.5	2.0	20.2	14.2	51.9	8.0	231.6	0.3	296.2
2:36:22	966.5	2.2	20.1	14.2	52.7	8.1	231.7	0.5	296.1
2:36:36	966.5	2.1	20.1	14.2	52.8	8.1	231.3	0.4	296.1
2:36:49	966.5	2.1	20.0	14.1	52.8	8.0	231.3	0.2	296.0
2:37: 2	966.5	2.4	19.9	14.1	52.5	8.0	231.7	0.4	296.0
2:37:15	966.5	2.5	20.1	14.2	52.5	8.1	231.6	0.6	296.1

July 1-2, 1980: 1944-2027 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
19:43:53	967.3	0.1	24.4	13.4	27.1	5.4	214.2	1.5	300.4
19:44: 6	967.0	2.1	24.3	13.2	26.2	5.2	205.4	2.5	300.3
19:44:19	966.9	3.8	25.2	13.2	23.0	4.8	185.2	1.9	301.2
19:44:33	966.8	4.7	25.9	13.5	22.2	4.8	185.3	2.2	302.0
19:44:45	966.6	6.1	26.2	13.6	21.9	4.8	202.4	2.2	302.3
19:44:58	966.5	7.4	26.3	13.8	22.3	5.0	201.2	2.4	302.4
19:45:11	966.4	8.3	26.4	13.8	21.8	4.9	191.1	1.9	302.5
19:45:25	966.3	9.3	26.7	13.9	21.8	5.0	192.8	1.9	302.8
19:45:38	966.1	10.7	26.8	14.0	21.6	5.0	170.2	2.1	303.0
19:45:51	966.0	11.8	26.9	14.0	21.7	5.0	180.0	1.8	303.0
19:46: 4	965.9	12.7	26.8	14.0	21.9	5.0	183.2	2.2	303.0
19:46:18	965.7	14.2	27.0	14.1	21.7	5.0	167.6	1.6	303.1
19:46:31	965.5	15.9	27.0	14.1	21.6	5.0	176.2	1.8	303.1
19:46:44	965.3	17.8	27.0	14.1	21.7	5.0	171.0	1.7	303.2
19:46:57	965.1	19.9	27.1	14.1	21.4	5.0	162.2	1.5	303.3
19:47:10	965.0	21.1	27.1	14.2	21.6	5.1	175.5	1.6	303.4
19:47:24	964.7	23.0	27.1	14.1	21.5	5.0	166.7	1.6	303.3
19:47:37	964.6	24.4	27.1	14.2	21.6	5.0	171.4	1.7	303.4
19:47:50	964.4	25.8	27.1	14.1	21.6	5.0	166.5	1.6	303.4
19:48: 3	964.3	27.3	27.1	14.2	21.7	5.1	141.3	1.6	303.4
19:48:16	964.1	29.1	27.1	14.2	21.8	5.1	160.0	1.5	303.4
19:48:30	963.9	30.5	27.1	14.2	21.9	5.1	123.8	1.2	303.4
19:48:43	963.7	32.4	27.1	14.2	22.0	5.1	151.1	1.5	303.4
19:48:56	963.5	34.3	27.0	14.2	22.0	5.1	150.3	1.4	303.4
19:49: 9	963.4	35.6	27.1	14.2	22.1	5.2	152.8	1.4	303.5
19:49:22	963.2	37.3	27.1	14.2	22.2	5.2	139.7	1.5	303.5
19:49:35	962.9	39.5	27.1	14.3	22.2	5.2	149.3	1.4	303.5
19:49:48	962.7	41.5	27.0	14.2	22.3	5.2	149.9	1.5	303.5
19:50: 1	962.3	45.3	27.0	14.2	22.2	5.2	147.8	1.5	303.5
19:50:15	962.1	47.5	27.0	14.3	22.4	5.2	150.6	1.5	303.5
19:51: 7	960.6	60.7	26.9	14.2	22.6	5.2	136.3	1.5	303.5
19:52: 0	959.2	73.9	26.8	14.2	22.8	5.3	141.2	1.6	303.5
19:52:53	957.8	86.4	26.8	14.0	21.9	5.1	149.9	1.8	303.7
19:53:33	956.7	97.0	26.8	13.9	21.8	5.0	145.2	1.7	303.7
19:53:59	955.5	107.5	26.7	13.9	21.9	5.0	147.1	2.0	303.7
19:54:25	954.3	119.3	26.6	13.7	21.4	4.9	146.7	2.0	303.8
19:54:51	953.0	130.6	26.5	13.7	21.7	4.9	148.0	2.0	303.9
19:55:18	951.8	142.0	26.5	13.7	21.8	4.9	148.0	2.0	303.9
19:55:44	950.6	153.3	26.4	13.6	21.6	4.9	143.1	2.2	303.9
19:56:10	949.3	164.7	26.3	13.5	21.5	4.8	142.6	2.1	303.9
19:56:37	948.1	176.0	26.2	13.4	21.6	4.9	144.9	2.1	303.9
19:57: 3	946.9	187.3	26.1	13.3	21.4	4.8	142.7	2.1	303.9
19:57:30	945.6	199.0	26.0	13.3	21.3	4.8	140.7	2.2	304.0
19:57:56	944.5	209.6	26.0	13.2	21.3	4.7	143.8	2.2	304.0
19:58:22	943.3	220.6	25.9	13.2	21.3	4.7	147.1	2.3	304.0
19:58:49	942.1	232.1	25.8	13.1	21.2	4.7	146.7	2.5	304.1
19:59:15	940.7	244.6	25.7	13.0	21.1	4.6	140.6	2.6	304.1
19:59:42	939.5	256.4	25.6	13.0	21.3	4.7	141.9	2.8	304.2
20: 0:21	937.9	271.4	25.5	12.9	21.3	4.6	139.5	2.9	304.1
20: 1: 1	936.2	286.9	25.4	12.9	21.6	4.7	139.0	3.0	304.2
20: 1:27	934.9	298.8	25.2	12.8	21.6	4.7	142.2	3.0	304.2
20: 1:54	933.7	310.8	25.2	12.8	21.9	4.7	140.7	2.8	304.2
20: 2:20	932.3	323.2	25.1	12.8	22.3	4.8	144.8	2.8	304.3
20: 2:46	931.1	335.0	24.9	12.7	22.5	4.8	143.5	2.7	304.2
20: 3:12	929.8	346.9	24.8	12.7	22.7	4.8	143.2	2.6	304.2
20: 3:39	928.6	358.7	24.7	12.6	22.8	4.8	146.4	2.7	304.3
20: 4: 5	927.3	370.6	24.6	12.6	22.9	4.8	146.8	2.8	304.3
20: 4:31	926.1	382.3	24.5	12.5	23.0	4.8	147.2	2.8	304.3

20: 4:58	924.7	395.1	24.4	12.5	23.3	4.8	145.4	2.8	304.3
20: 5:24	923.4	407.8	24.3	12.4	23.4	4.8	144.7	2.8	304.3
20: 5:51	921.8	422.2	24.1	12.4	23.6	4.8	140.6	2.6	304.3
20: 6:17	920.1	438.9	24.0	12.3	23.9	4.9	139.3	2.6	304.3
20: 6:43	918.3	456.0	23.8	12.3	24.2	4.9	142.9	2.5	304.3
20: 7:10	916.5	472.7	23.7	12.2	24.4	4.9	144.3	2.3	304.3
20: 7:36	914.9	488.2	23.5	12.1	24.6	4.9	143.5	2.4	304.3
20: 8: 3	913.3	503.2	23.4	12.0	24.7	4.9	142.5	2.5	304.3
20: 9:22	914.5	491.8	23.3	11.9	24.1	4.7	147.7	3.1	304.2
20: 9:48	916.1	477.0	23.4	11.8	23.7	4.7	147.2	3.1	304.1
20:10:15	917.7	461.5	23.6	12.0	23.6	4.7	147.6	3.0	304.1
20:10:41	919.2	447.6	23.8	12.1	23.4	4.7	146.6	3.1	304.2
20:11: 7	920.5	434.4	23.9	12.1	23.2	4.7	147.0	3.2	304.1
20:11:34	921.9	421.7	24.0	12.1	23.0	4.7	146.6	3.2	304.1
20:12: 0	923.1	410.2	24.1	12.2	22.9	4.7	145.5	3.2	304.1
20:12:27	924.2	399.4	24.2	12.2	22.6	4.6	147.7	3.1	304.1
20:12:53	925.5	387.4	24.3	12.3	22.4	4.6	146.5	3.1	304.1
20:13:19	926.8	375.4	24.4	12.3	22.3	4.6	149.9	3.2	304.1
20:13:45	928.2	362.3	24.5	12.4	22.1	4.6	148.1	3.1	304.1
20:14:12	929.5	349.6	24.7	12.4	21.9	4.6	151.9	3.2	304.1
20:14:38	931.0	335.5	24.8	12.5	21.6	4.5	155.2	3.5	304.1
20:15: 4	932.8	319.3	25.0	12.5	21.1	4.5	154.6	3.7	304.1
20:15:31	934.4	303.7	25.1	12.5	20.9	4.5	152.1	3.5	304.1
20:15:57	936.1	288.0	25.3	12.6	20.7	4.5	149.4	3.5	304.1
20:16:24	937.9	271.4	25.4	12.7	20.6	4.5	148.3	3.4	304.1
20:16:50	939.2	259.1	25.6	12.8	20.4	4.5	147.6	3.4	304.1
20:17:16	940.3	248.6	25.7	12.9	20.4	4.5	149.6	3.3	304.2
20:17:43	941.4	238.3	25.8	12.9	20.3	4.5	149.2	3.3	304.1
20:18: 9	942.7	226.5	25.9	13.0	20.4	4.5	149.2	3.2	304.1
20:18:36	944.0	214.6	26.0	13.0	20.2	4.5	149.2	3.1	304.1
20:19: 2	945.3	201.8	26.1	13.0	20.0	4.5	146.1	3.1	304.1
20:19:28	946.6	189.8	26.2	13.1	19.9	4.5	143.5	3.1	304.1
20:19:55	948.0	177.1	26.3	13.2	19.9	4.5	141.9	3.1	304.1
20:20:21	949.3	165.4	26.4	13.2	19.8	4.5	143.6	2.8	304.0
20:20:47	950.4	155.1	26.5	13.3	19.8	4.5	143.6	2.8	304.0
20:21:13	951.5	144.7	26.5	13.3	19.9	4.5	143.9	2.6	304.0
20:21:40	952.7	133.4	26.6	13.4	20.0	4.6	144.2	2.5	303.9
20:22: 6	953.9	122.2	26.7	13.4	19.8	4.6	145.2	2.3	303.9
20:22:46	955.4	108.4	26.8	13.5	19.8	4.6	150.1	2.3	303.9
20:23:12	956.7	97.0	26.9	13.5	19.7	4.6	149.1	2.2	303.9
20:23:39	958.0	85.0	27.0	13.6	19.6	4.6	153.6	2.2	303.8
20:24: 5	959.1	75.0	27.1	13.6	19.5	4.6	153.7	2.2	303.8
20:24:31	960.3	64.1	27.2	13.7	19.4	4.6	154.1	2.2	303.8
20:24:58	961.6	52.0	27.3	13.8	19.4	4.6	156.4	2.3	303.8
20:25:11	962.2	46.6	27.3	13.8	19.4	4.6	157.2	2.2	303.8
20:25:24	962.8	41.2	27.4	13.8	19.4	4.6	157.5	2.2	303.8
20:25:37	963.3	35.8	27.4	13.8	19.3	4.6	159.4	2.1	303.8
20:25:51	963.8	31.8	27.5	13.9	19.3	4.6	161.3	2.2	303.8
20:26: 4	964.2	28.3	27.5	13.9	19.3	4.6	159.7	2.3	303.8
20:26:16	964.4	26.2	27.6	13.9	19.2	4.6	166.5	2.5	303.9
20:26:30	965.0	20.7	27.6	13.9	19.2	4.6	165.4	2.2	303.8
20:26:43	965.6	14.9	27.6	13.9	19.2	4.6	161.9	2.3	303.8
20:26:56	966.3	9.1	27.5	13.9	19.5	4.6	187.6	2.4	303.6
20:27: 9	966.8	4.4	27.1	14.0	20.9	4.8	206.8	2.1	303.1
20:27:22	967.0	2.3	25.4	13.8	25.6	5.4	230.0	1.8	301.4
20:27:36	967.0	2.4	24.5	13.5	27.1	5.4	216.1	1.8	300.6
20:27:49	967.0	2.0	24.3	13.2	26.1	5.1	223.1	1.3	300.3
20:28: 2	967.1	1.9	24.1	13.1	26.4	5.1	202.1	1.4	300.1
20:28:15	967.1	1.8	24.0	13.0	26.7	5.2	230.4	1.6	300.0
20:28:28	966.7	5.0	24.0	13.0	26.6	5.1	200.9	1.9	300.0
20:28:42	967.0	2.6	24.1	12.9	25.5	5.0	220.7	1.4	300.1
20:28:55	967.6	-3.2	24.3	13.1	26.0	5.1	32.1	2.0	300.2

20:29: 8	967.7	-4.1	24.2	13.3	27.1	5.3	33.9	1.7	300.2
20:29:21	967.8	-4.5	24.1	13.3	27.3	5.3	31.5	1.7	300.1
20:29:34	967.9	-5.8	24.2	13.3	27.5	5.4	351.2	1.7	300.1
20:29:48	967.9	-5.7	24.3	13.4	27.5	5.4	29.7	1.5	300.2
20:30: 1	967.5	-2.2	24.0	13.4	28.5	5.5	32.7	0.8	299.9
20:30:14	967.6	-2.6	23.5	13.2	29.4	5.5	32.1	0.3	299.4
20:30:27	967.5	-2.1	23.3	13.0	29.4	5.4	32.2	0.7	299.2
20:30:40	967.5	-2.3	23.3	13.0	29.0	5.4	32.3	0.8	299.3
20:30:54	967.5	-1.7	23.2	13.0	29.5	5.5	32.2	0.5	299.2

July 1-2, 1980: 2043-2114 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
20:43: 4	967.8	1.2	23.7	12.8	26.2	5.0	220.7	1.1	299.7
20:43:18	967.6	3.5	23.5	12.9	27.4	5.2	220.3	1.5	299.5
20:43:31	967.5	4.5	23.6	12.8	26.8	5.1	234.6	2.0	299.6
20:43:44	967.3	6.4	24.5	12.8	23.4	4.7	223.0	2.4	300.5
20:43:57	967.1	8.3	25.7	13.4	22.3	4.8	207.8	2.2	301.7
20:44:10	966.9	9.8	26.1	13.5	21.4	4.7	199.6	2.0	302.2
20:44:24	966.7	11.8	26.4	13.7	21.8	4.9	168.6	1.7	302.5
20:44:37	966.6	12.6	26.5	13.9	22.1	5.0	168.2	1.6	302.6
20:44:50	966.4	14.4	26.7	14.0	22.2	5.1	178.9	1.8	302.8
20:45: 3	966.2	15.8	26.8	14.1	22.4	5.1	165.5	1.7	302.9
20:45:16	966.0	18.0	26.8	14.1	22.3	5.1	173.5	1.5	302.9
20:45:30	965.7	20.7	26.9	14.2	22.3	5.1	171.8	1.3	303.1
20:45:43	965.5	22.3	27.0	14.3	22.5	5.2	165.8	1.3	303.2
20:45:55	965.4	23.7	27.0	14.3	22.6	5.2	166.6	1.3	303.2
20:46: 9	965.2	25.2	27.0	14.3	22.6	5.2	161.6	1.2	303.2
20:46:22	965.0	26.8	27.0	14.3	22.7	5.3	167.6	1.3	303.2
20:46:35	964.8	28.5	27.0	14.3	22.8	5.3	168.7	1.1	303.2
20:46:48	964.7	30.1	27.0	14.3	22.8	5.3	167.2	1.0	303.2
20:47: 1	964.5	31.4	27.0	14.3	22.9	5.3	168.9	1.0	303.2
20:47:15	964.3	33.1	27.0	14.3	23.0	5.3	174.3	0.9	303.2
20:47:28	964.2	34.6	27.0	14.3	22.9	5.3	169.9	1.0	303.2
20:47:41	963.9	36.7	27.0	14.3	22.9	5.3	175.3	1.1	303.3
20:47:54	963.8	38.4	27.0	14.3	22.9	5.3	176.3	1.1	303.3
20:48: 7	963.5	40.3	27.0	14.3	22.8	5.3	170.6	1.0	303.3
20:48:21	963.4	42.0	27.0	14.3	22.8	5.3	167.0	1.1	303.3
20:48:34	963.1	44.2	27.0	14.3	22.8	5.3	167.0	1.1	303.3
20:48:47	962.9	45.9	27.0	14.3	22.8	5.3	169.7	1.1	303.4
20:49: 0	962.8	47.5	26.9	14.3	22.7	5.3	164.0	1.0	303.4
20:49:13	962.5	49.4	27.0	14.3	22.7	5.3	161.3	1.2	303.4
20:50:19	961.4	59.6	27.1	14.0	20.9	4.9	159.8	1.2	303.6
20:51:39	960.2	70.8	27.1	14.0	21.1	4.9	158.9	1.2	303.7
20:52:58	958.9	82.4	27.0	13.9	21.1	4.9	152.2	1.3	303.8
20:53:37	957.7	93.9	26.9	13.9	21.1	4.9	154.2	1.4	303.8
20:54:17	956.4	106.0	26.9	13.9	21.1	4.9	151.2	1.7	303.9
20:54:57	955.2	117.3	27.1	14.0	21.4	5.0	149.4	1.7	304.2
20:55:36	953.8	129.8	26.8	13.8	21.1	4.9	151.7	1.8	304.0
20:56:16	952.3	143.2	26.7	13.7	21.1	4.9	149.5	2.1	304.1
20:56:55	950.9	156.7	26.6	13.6	20.9	4.8	150.6	2.3	304.1
20:57:35	949.5	170.0	26.5	13.4	20.7	4.7	152.5	2.3	304.1
20:58:15	948.1	182.6	26.5	13.5	20.8	4.7	151.2	2.3	304.2
20:58:54	946.9	194.1	26.4	13.4	20.6	4.7	151.8	2.5	304.2
20:59:34	945.5	206.3	26.3	13.3	20.6	4.7	151.6	2.6	304.2
21: 0:13	944.2	218.5	26.1	13.2	20.6	4.6	151.9	2.6	304.2
21: 0:53	943.0	230.3	26.0	13.1	20.7	4.6	154.3	2.7	304.2
21: 1:33	941.7	242.0	26.0	13.1	20.9	4.7	153.7	2.4	304.3
21: 1:59	940.6	252.1	25.9	13.1	21.1	4.7	152.7	2.7	304.3
21: 2:25	939.5	262.3	25.7	13.1	21.4	4.7	154.0	2.7	304.3
21: 2:52	938.4	272.8	25.7	13.1	21.5	4.7	156.5	2.6	304.3

21: 3:18	937.3	283.0	25.6	13.0	21.7	4.7	156.5	2.7	304.3
21: 3:45	936.2	293.2	25.5	13.0	21.8	4.8	155.2	2.5	304.3
21: 5:57	930.6	346.3	25.0	12.9	22.8	4.9	157.9	2.2	304.4
21: 6:36	929.0	360.9	24.9	12.8	23.0	4.9	154.5	2.2	304.4
21: 9:28	930.5	346.7	25.0	12.8	22.6	4.8	152.0	2.7	304.3
21: 9:54	932.5	327.6	25.0	12.8	22.5	4.8	151.1	3.1	304.2
21:10: 7	933.7	317.0	25.1	12.8	22.4	4.8	151.6	3.1	304.2
21:10:21	934.9	305.8	25.2	12.9	22.3	4.8	149.6	3.1	304.1
21:10:34	936.0	295.2	25.2	12.9	22.1	4.7	154.3	3.0	304.1
21:10:47	937.3	283.6	25.3	12.9	21.9	4.7	153.4	3.1	304.0
21:11: 0	938.7	269.8	25.4	12.9	22.0	4.7	158.3	3.4	303.9
21:11:27	942.0	239.6	25.5	13.0	21.8	4.7	166.6	3.5	303.8
21:11:40	943.7	223.8	25.6	13.1	21.8	4.8	162.5	3.4	303.8
21:11:53	945.5	206.7	25.7	13.1	21.7	4.7	145.4	2.9	303.7
21:12: 6	947.3	190.0	25.8	13.2	21.7	4.8	144.5	2.7	303.6
21:12:19	949.2	172.7	25.9	13.3	21.7	4.8	156.8	3.2	303.6
21:12:33	951.2	153.7	26.0	13.4	21.9	4.9	162.3	3.4	303.5
21:12:46	953.3	134.2	26.1	13.4	21.6	4.8	166.6	3.2	303.4
21:12:59	955.4	115.4	26.2	13.5	21.3	4.8	157.5	2.8	303.3
21:13:12	957.4	97.0	26.3	13.5	21.1	4.7	152.9	2.5	303.2
21:13:25	959.4	78.3	26.5	13.6	20.8	4.7	161.0	2.8	303.2
21:13:39	961.6	58.6	26.6	13.6	20.8	4.7	154.7	2.5	303.1
21:13:52	963.6	40.3	26.7	13.7	20.6	4.7	163.8	2.3	303.0
21:14: 5	965.6	21.8	26.8	13.8	20.8	4.7	180.1	2.1	302.9
21:14:18	967.0	9.3	27.3	14.0	20.5	4.8	209.8	2.6	303.3
21:14:31	968.0	-0.1	25.2	13.8	26.2	5.5	176.8	2.0	301.2
21:14:45	967.4	5.3	24.5	13.5	27.2	5.4	187.6	0.7	300.5
21:14:58	967.7	2.7	23.4	13.3	30.5	5.7	237.7	0.8	299.3
21:15:11	967.3	6.2	23.0	13.0	30.2	5.5	239.3	0.5	298.9
21:15:24	967.3	6.2	22.8	12.7	29.5	5.3	239.1	0.7	298.8
21:15:37	967.3	6.2	22.7	12.7	29.8	5.3	239.1	0.8	298.6
21:15:51	967.3	6.3	22.7	12.7	29.7	5.3	239.2	0.7	298.7
21:16: 4	967.3	6.2	22.7	12.6	29.5	5.3	239.1	0.5	298.6

July 1-2, 1980: 2124-2208 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
21:24:21	968.0	0.0	25.3	13.0	21.9	4.6	195.9	3.5	301.2
21:24:34	967.8	2.2	26.3	13.4	20.4	4.5	211.1	3.3	302.3
21:24:47	967.6	3.7	27.0	13.5	18.8	4.3	187.2	3.3	302.9
21:25: 0	967.4	5.7	27.4	13.7	18.4	4.4	182.9	2.8	303.4
21:25:13	967.2	7.8	27.6	13.9	18.8	4.5	198.7	2.9	303.6
21:25:27	967.0	9.3	27.7	14.0	18.9	4.5	191.5	2.8	303.8
21:25:40	966.8	11.1	27.8	14.0	18.8	4.6	190.1	2.8	303.9
21:25:53	966.6	12.5	27.9	14.1	19.0	4.6	189.9	2.8	304.0
21:26: 6	966.4	14.8	27.9	14.1	19.0	4.6	190.1	2.8	304.0
21:26:19	966.2	16.9	27.9	14.1	19.1	4.6	188.6	2.7	304.0
21:26:33	966.0	18.7	27.9	14.1	19.1	4.7	189.5	2.9	304.0
21:26:46	965.8	20.2	27.9	14.1	19.2	4.7	189.4	2.9	304.1
21:26:58	965.5	22.5	27.9	14.1	19.2	4.7	190.5	2.9	304.1
21:27:12	965.4	24.2	27.9	14.1	19.3	4.7	190.0	2.9	304.1
21:27:25	965.2	25.7	27.9	14.1	19.3	4.7	190.1	2.9	304.1
21:27:38	965.0	27.7	27.9	14.1	19.3	4.7	191.8	2.8	304.1
21:27:51	964.8	29.2	27.8	14.1	19.4	4.7	192.1	2.9	304.1
21:28: 4	964.6	31.2	27.9	14.2	19.4	4.7	192.1	2.8	304.1
21:28:18	964.4	32.9	27.8	14.1	19.4	4.7	192.1	2.9	304.1
21:28:31	964.2	34.9	27.8	14.1	19.5	4.7	191.7	2.9	304.1
21:28:44	964.0	36.7	27.8	14.1	19.5	4.7	193.2	2.8	304.1
21:28:57	963.8	38.6	27.8	14.1	19.5	4.7	192.5	2.9	304.1
21:29:10	963.5	40.9	27.8	14.1	19.5	4.7	192.1	2.9	304.1
21:29:24	963.4	42.4	27.8	14.1	19.5	4.7	191.7	2.9	304.2

21:29:37	963.2	44.2	27.8	14.1	19.6	4.7	191.2	2.9	304.1
21:29:50	963.0	45.9	27.7	14.1	19.6	4.8	190.8	2.9	304.2
21:30: 3	962.8	47.8	27.7	14.1	19.7	4.8	190.4	2.9	304.2
21:30:16	962.5	49.9	27.7	14.1	19.7	4.8	191.0	2.9	304.2
21:31:36	961.3	61.1	27.6	14.1	20.0	4.8	191.1	3.0	304.2
21:32:55	960.1	72.2	27.5	14.1	20.0	4.8	189.4	3.0	304.2
21:34:14	958.8	83.9	27.4	14.0	20.2	4.8	191.5	3.0	304.2
21:35:33	957.6	95.1	27.4	14.0	20.3	4.8	190.5	3.0	304.2
21:36:52	956.4	106.3	27.3	14.0	20.4	4.9	188.5	3.0	304.3
21:38:11	955.3	117.0	27.2	13.9	20.5	4.9	190.4	2.9	304.3
21:39:17	953.7	131.6	27.1	13.9	20.8	4.9	189.3	2.6	304.4
21:39:43	952.5	142.6	27.1	13.9	21.0	5.0	187.5	2.6	304.4
21:40:10	951.3	153.2	26.9	13.9	21.1	4.9	188.9	2.6	304.4
21:40:36	950.2	163.7	26.8	13.8	21.2	4.9	187.9	2.6	304.4
21:41: 3	949.0	174.6	26.7	13.8	21.3	4.9	188.0	2.6	304.4
21:41:29	948.0	184.6	26.6	13.7	21.5	5.0	186.3	2.7	304.4
21:42: 9	946.5	198.5	26.5	13.6	21.6	5.0	185.6	2.6	304.4
21:42:48	944.9	213.2	26.4	13.6	21.8	5.0	186.8	2.6	304.4
21:43:28	943.3	227.4	26.3	13.6	22.1	5.0	185.0	2.6	304.5
21:43:54	942.3	237.6	26.2	13.5	22.2	5.0	184.7	2.6	304.5
21:44:21	941.2	247.7	26.0	13.5	22.2	5.0	184.1	2.6	304.4
21:44:47	940.0	258.4	26.0	13.4	22.3	5.0	182.8	2.6	304.4
21:45:27	938.6	272.0	25.9	13.4	22.6	5.0	183.7	2.5	304.5
21:46: 6	937.1	285.9	25.7	13.3	22.7	5.0	186.3	2.4	304.5
21:46:46	935.6	299.7	25.6	13.2	22.9	5.0	184.7	2.5	304.5
21:47:25	934.1	313.8	25.5	13.2	23.1	5.1	191.7	2.4	304.5
21:48: 5	932.8	326.2	25.4	13.2	23.4	5.1	194.1	2.3	304.5
21:52:29	934.1	313.9	25.3	13.1	22.8	4.9	173.4	3.0	304.4
21:53: 9	935.5	300.8	25.4	13.1	22.5	4.9	173.0	2.9	304.3
21:53:35	936.6	290.8	25.5	13.1	22.4	4.9	172.3	2.9	304.3
21:54:15	938.1	276.7	25.7	13.2	22.2	4.9	172.7	2.9	304.3
21:54:54	939.7	261.9	25.8	13.2	22.0	4.9	175.5	3.1	304.3
21:55:21	940.8	251.3	25.8	13.2	21.6	4.8	177.1	3.2	304.2
21:55:47	941.9	241.1	25.9	13.2	21.5	4.8	176.8	3.4	304.2
21:56:13	943.0	231.0	25.9	13.2	21.3	4.7	176.8	3.7	304.1
21:56:40	944.1	220.9	26.0	13.2	21.4	4.8	175.6	3.7	304.1
21:57:19	945.6	206.5	26.1	13.4	21.5	4.8	174.3	3.7	304.1
21:57:59	947.1	192.6	26.3	13.5	21.5	4.9	173.0	3.7	304.1
21:58:39	948.6	179.0	26.4	13.3	20.4	4.6	173.7	3.8	304.1
21:59:18	950.0	165.8	26.5	13.3	19.8	4.5	171.2	3.7	304.1
21:59:45	951.1	155.7	26.6	13.3	19.4	4.5	171.4	3.7	304.1
22: 0:11	952.2	145.7	26.7	13.3	19.2	4.4	170.9	3.6	304.1
22: 0:37	953.3	134.9	26.8	13.4	19.4	4.5	174.1	3.5	304.0
22: 1: 4	954.5	123.8	26.9	13.5	19.6	4.5	177.1	3.4	304.0
22: 1:30	955.8	111.8	26.9	13.5	19.3	4.5	176.5	3.5	304.0
22: 1:57	957.0	101.0	27.1	13.5	19.0	4.5	177.9	3.5	304.0
22: 2:23	958.4	88.3	27.2	13.5	18.6	4.4	181.9	3.5	304.0
22: 2:49	959.6	77.0	27.3	13.6	18.9	4.5	186.4	3.3	304.0
22: 3:29	960.9	65.3	27.2	13.8	19.7	4.6	197.3	3.5	303.8
22: 4: 9	962.1	54.7	27.2	13.9	20.1	4.7	206.3	3.4	303.7
22: 4:35	962.9	47.2	27.1	13.8	20.0	4.7	206.9	3.6	303.5
22: 4:48	963.3	43.0	27.2	13.8	20.1	4.7	206.7	3.7	303.5
22: 5: 1	963.7	39.3	27.2	13.9	20.2	4.7	207.7	3.9	303.5
22: 5:15	964.1	36.4	27.1	13.8	20.2	4.7	205.2	4.0	303.4
22: 5:28	964.4	33.2	27.1	13.8	20.2	4.7	208.3	3.9	303.4
22: 5:41	964.8	29.9	27.2	13.9	20.2	4.7	208.2	3.8	303.4
22: 5:54	965.2	25.8	27.2	13.9	20.2	4.7	203.0	4.1	303.4
22: 6: 7	965.6	22.2	27.2	13.9	20.2	4.7	215.1	3.9	303.4
22: 6:21	966.0	18.6	27.2	13.9	20.2	4.7	217.2	3.9	303.3
22: 6:34	966.4	15.2	27.2	13.9	20.3	4.8	217.2	4.1	303.3
22: 6:47	966.8	11.5	27.2	13.9	20.2	4.7	208.4	4.0	303.2
22: 7: 0	967.2	7.7	27.1	14.0	20.6	4.8	212.4	4.1	303.2

22: 7:13	967.6	4.2	26.5	14.1	23.4	5.2	239.6	3.4	302.5
22: 7:27	967.9	1.4	24.4	13.6	28.3	5.6	234.4	2.1	300.3
22: 7:40	968.6	-5.0	23.6	13.2	28.7	5.4	237.0	2.0	299.5
22: 7:53	967.7	3.6	23.4	13.1	29.6	5.5	241.2	0.8	299.3
22: 8: 6	967.6	4.0	23.0	12.9	29.8	5.4	241.2	0.9	298.9
22: 8:19	967.6	4.2	23.0	12.9	29.5	5.4	241.4	0.6	299.0
22: 8:33	967.6	3.9	22.8	12.8	29.9	5.4	241.2	0.5	298.8
22: 8:46	967.6	3.8	22.8	12.8	30.0	5.4	241.1	0.5	298.8
22: 8:59	967.6	4.0	22.6	12.7	30.2	5.4	241.1	0.6	298.6

July 1-2, 1980: 2219-2304 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
22:18:49	968.0	0.5	22.2	12.5	30.7	5.3	216.2	2.6	298.1
22:19: 3	968.0	1.1	22.6	12.6	29.5	5.3	240.9	2.7	298.6
22:19:16	967.6	4.8	22.9	12.5	27.7	5.0	237.6	3.9	298.8
22:19:29	967.5	5.7	24.3	12.3	21.8	4.3	237.8	3.7	300.3
22:19:42	967.3	7.4	26.2	13.1	19.4	4.3	237.5	3.5	302.3
22:19:55	967.1	9.2	26.9	13.6	19.8	4.5	236.8	3.5	302.9
22:20: 9	966.9	10.9	27.0	13.8	20.0	4.6	235.4	3.5	303.1
22:20:22	966.8	12.2	27.1	13.8	20.0	4.7	235.5	3.4	303.2
22:20:35	966.6	13.3	27.2	13.9	20.1	4.7	235.4	3.4	303.3
22:20:48	966.4	15.3	27.3	14.0	20.2	4.8	235.4	3.4	303.4
22:21: 1	966.2	17.0	27.3	14.0	20.2	4.8	235.5	3.3	303.4
22:21:15	966.1	18.1	27.3	14.0	20.1	4.7	234.3	3.4	303.4
22:21:28	966.0	19.3	27.3	14.0	20.2	4.8	233.3	3.3	303.5
22:21:41	965.6	22.3	27.4	14.0	20.2	4.8	231.4	3.3	303.5
22:21:54	965.4	24.4	27.4	14.0	20.3	4.8	232.1	3.3	303.5
22:22: 7	965.6	23.0	27.3	14.0	20.3	4.8	230.4	3.4	303.5
22:22:21	965.4	24.3	27.4	14.0	20.1	4.8	228.6	3.3	303.6
22:22:34	965.3	25.5	27.4	14.0	20.0	4.8	229.3	3.3	303.6
22:22:47	965.1	27.2	27.4	14.0	19.9	4.7	227.7	3.3	303.6
22:23: 0	965.0	27.7	27.4	14.0	19.9	4.7	228.0	3.4	303.6
22:23:13	964.9	29.2	27.4	14.0	19.9	4.7	228.6	3.4	303.7
22:23:27	964.8	30.0	27.4	14.0	19.9	4.7	228.4	3.4	303.7
22:23:40	964.7	31.1	27.4	14.0	19.9	4.7	228.6	3.4	303.7
22:23:53	964.5	32.5	27.4	14.0	20.0	4.7	227.2	3.3	303.6
22:24: 6	964.3	34.2	27.4	13.9	19.9	4.7	224.4	3.3	303.7
22:24:19	964.2	35.4	27.4	14.0	19.9	4.7	222.8	3.3	303.7
22:24:33	964.1	36.5	27.5	14.0	19.9	4.7	221.9	3.2	303.8
22:24:46	963.9	38.2	27.5	14.0	19.8	4.7	221.3	3.2	303.8
22:24:59	963.8	39.5	27.5	14.0	19.6	4.7	220.1	3.1	303.8
22:25:12	963.7	40.2	27.5	13.9	19.5	4.7	212.1	3.2	303.8
22:25:25	963.5	42.1	27.5	14.0	19.7	4.7	218.7	3.2	303.9
22:25:38	963.3	43.8	27.5	13.9	19.6	4.7	215.3	3.2	303.9
22:25:51	963.2	44.5	27.5	13.9	19.6	4.7	214.8	3.2	303.8
22:26: 4	963.0	46.0	27.6	14.0	19.8	4.7	211.1	3.1	304.0
22:26:18	962.9	47.0	27.5	14.0	19.6	4.7	210.7	3.2	303.9
22:26:31	962.8	48.4	27.5	14.0	19.6	4.7	211.0	3.2	303.9
22:26:44	962.6	49.8	27.5	14.0	19.7	4.7	209.9	3.3	303.9
22:28:43	961.4	61.3	27.4	13.9	19.5	4.6	210.5	3.3	304.0
22:30:15	960.3	71.3	27.3	13.6	18.7	4.4	211.0	3.2	304.0
22:32: 1	959.2	81.5	27.3	13.5	18.2	4.3	208.2	3.2	304.1
22:33:33	958.1	91.6	27.3	13.6	18.9	4.5	208.3	2.9	304.1
22:35:19	956.9	102.3	27.2	13.7	19.4	4.6	202.9	2.8	304.1
22:37: 4	955.8	112.7	27.1	13.7	19.8	4.7	193.1	2.8	304.2
22:38:50	954.7	123.2	27.1	13.6	19.4	4.6	194.5	2.7	304.3
22:39:43	953.5	133.8	27.1	13.7	19.8	4.7	189.6	2.7	304.3
22:40:22	952.3	145.0	27.0	13.6	19.9	4.7	186.0	2.7	304.3
22:41:15	950.9	158.0	26.8	13.5	19.9	4.6	187.9	2.9	304.3
22:41:54	949.8	168.1	26.7	13.5	20.0	4.6	181.6	2.8	304.3

22:42:34	948.6	179.0	26.6	13.4	20.2	4.7	180.9	2.6	304.3
22:43: 0	947.4	189.9	26.6	13.6	20.8	4.8	174.4	2.8	304.4
22:43:27	946.3	200.3	26.5	13.5	21.2	4.8	175.0	2.9	304.4
22:44: 6	944.8	214.1	26.4	13.5	21.2	4.8	168.8	2.7	304.4
22:44:33	943.7	224.6	26.3	13.4	21.3	4.8	162.3	2.7	304.4
22:44:59	942.6	234.8	26.2	13.4	21.5	4.9	171.1	2.3	304.4
22:45:25	941.4	245.7	26.1	13.4	21.8	4.9	175.0	2.2	304.4
22:46: 5	939.8	261.5	25.9	13.3	21.7	4.8	171.1	2.6	304.4
22:46:31	938.7	271.8	25.8	13.2	21.8	4.8	177.5	2.6	304.4
22:47:11	937.1	286.1	25.7	13.2	22.1	4.9	163.2	2.3	304.4
22:47:51	935.4	302.0	25.5	13.1	22.3	4.9	185.8	2.4	304.4
22:48:30	933.9	316.1	25.4	13.0	22.2	4.8	187.2	2.5	304.4
22:52:15	935.4	301.8	25.4	13.0	22.1	4.8	206.3	2.1	304.3
22:52:54	936.7	290.2	25.5	13.0	21.9	4.8	198.1	3.0	304.3
22:53:34	938.3	275.0	25.6	13.1	21.8	4.8	191.0	2.7	304.3
22:54: 0	939.6	262.8	25.8	13.1	21.6	4.8	178.7	3.0	304.3
22:54:40	941.4	246.2	25.9	13.1	21.1	4.7	183.4	2.6	304.2
22:55: 6	942.7	234.0	26.0	13.2	20.9	4.7	176.5	2.5	304.3
22:55:33	943.9	222.8	26.1	13.2	20.7	4.7	171.3	3.0	304.3
22:55:59	945.3	209.6	26.2	13.2	20.6	4.6	174.3	2.8	304.2
22:56:25	946.8	196.3	26.3	13.3	20.5	4.6	169.8	2.5	304.1
22:56:52	948.3	182.2	26.4	13.3	20.3	4.6	170.7	2.4	304.2
22:57:18	949.7	169.1	26.4	13.4	20.5	4.7	176.4	2.6	304.0
22:57:45	951.1	155.8	26.5	13.4	20.4	4.7	164.4	2.0	304.0
22:58:11	952.5	142.9	26.6	13.5	20.5	4.7	155.0	2.3	304.0
22:58:37	954.1	128.4	26.7	13.6	20.4	4.7	174.3	2.3	303.9
22:59: 4	955.7	113.8	26.9	13.6	20.2	4.7	167.3	1.8	303.9
22:59:30	957.3	98.7	27.0	13.6	19.6	4.6	193.9	1.6	304.0
22:59:57	959.0	82.9	27.2	13.7	19.5	4.6	206.4	1.8	304.0
23: 0:23	960.4	70.6	27.3	13.7	19.3	4.6	213.9	1.6	303.9
23: 1: 3	961.8	57.6	27.4	13.8	19.3	4.6	194.9	1.2	303.9
23: 1:29	962.9	47.9	27.4	13.8	19.5	4.6	218.2	1.6	303.8
23: 1:42	963.3	43.4	27.4	13.8	19.3	4.6	222.8	1.8	303.8
23: 1:55	963.8	39.7	27.4	13.9	19.3	4.6	240.7	1.9	303.8
23: 2: 9	964.2	36.0	27.5	13.9	19.2	4.6	203.2	1.8	303.8
23: 2:22	964.7	31.4	27.5	13.9	19.2	4.6	234.8	1.9	303.8
23: 2:35	965.2	26.1	27.5	14.0	19.4	4.6	240.9	2.1	303.7
23: 2:48	965.7	21.7	27.5	13.9	19.3	4.6	241.0	2.1	303.7
23: 3: 1	966.2	17.7	27.5	13.9	19.4	4.6	241.0	2.1	303.6
23: 3:15	966.6	13.8	27.5	14.0	19.5	4.6	240.9	2.0	303.6
23: 3:28	966.9	10.5	27.5	14.0	19.7	4.7	241.4	2.7	303.5
23: 3:41	967.3	7.0	27.1	14.2	21.7	5.1	240.9	3.3	303.2
23: 3:54	967.7	4.1	24.4	13.8	29.1	5.8	242.4	1.2	300.4
23: 4: 7	967.6	4.2	23.1	13.1	30.3	5.6	240.7	1.1	299.1
23: 4:21	967.6	4.3	22.9	12.9	30.2	5.5	240.7	1.9	298.8
23: 4:34	967.6	4.2	22.8	12.8	29.6	5.3	240.9	1.8	298.8
23: 4:47	967.7	3.8	22.7	12.6	29.2	5.2	240.7	1.3	298.7
23: 5: 0	967.7	3.7	22.7	12.6	29.3	5.2	240.9	1.4	298.6
23: 5:13	967.8	3.3	22.6	12.5	29.0	5.2	241.1	1.4	298.5

July 1-2, 1980: 2310-2348 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
23: 9:54	968.2	0.8	22.0	12.4	30.8	5.3	240.8	2.6	297.9
23:10: 7	967.7	5.1	23.8	11.9	20.7	4.0	241.6	2.9	299.8
23:10:21	967.4	7.3	25.5	12.8	20.1	4.3	239.3	2.7	301.5
23:10:34	967.4	7.7	26.5	13.3	19.4	4.3	196.5	1.5	302.5
23:10:47	967.0	11.5	26.7	13.5	19.7	4.5	126.9	0.8	302.7
23:11: 0	966.7	13.9	26.8	13.7	20.2	4.6	240.1	0.5	302.9
23:11:13	966.5	16.3	26.9	13.7	20.4	4.7	165.7	1.3	303.0
23:11:27	966.0	20.0	26.8	13.8	21.1	4.8	166.0	1.1	302.9

23:11:40	965.8	22.2	26.6	13.9	21.7	4.9	143.9	0.8	302.8
23:11:53	965.6	24.4	26.6	13.9	22.1	5.0	111.3	0.6	302.7
23:12: 6	965.2	27.4	26.4	13.9	22.4	5.0	82.7	0.7	302.6
23:12:19	964.9	30.1	26.3	13.9	22.6	5.0	135.3	0.9	302.6
23:12:33	964.7	32.3	26.4	13.9	22.6	5.1	91.8	0.8	302.6
23:12:46	964.4	34.9	26.4	13.9	22.8	5.1	99.4	1.6	302.6
23:12:59	964.1	37.6	26.4	13.9	22.6	5.1	106.7	1.3	302.7
23:13:12	963.8	40.3	26.3	13.8	22.7	5.1	100.4	1.5	302.6
23:13:25	963.7	41.8	26.3	13.9	22.8	5.1	149.5	1.0	302.6
23:13:39	963.2	45.7	26.3	13.8	22.3	5.0	134.1	1.4	302.7
23:13:52	963.0	47.6	26.3	13.8	22.5	5.0	107.9	1.1	302.7
23:14: 4	962.8	50.0	26.2	13.8	22.5	5.0	104.8	1.1	302.7
23:14:57	961.5	61.4	26.2	13.6	22.0	4.9	153.3	1.1	302.8
23:16: 3	960.3	72.3	26.4	13.7	21.8	4.9	107.7	1.0	303.0
23:17: 9	959.1	83.5	26.3	13.6	22.0	4.9	192.7	0.8	303.0
23:18:15	957.9	94.2	26.7	13.6	20.3	4.7	236.6	1.7	303.5
23:19:21	956.7	105.6	26.6	13.5	20.4	4.7	236.4	1.8	303.6
23:20:14	955.4	117.1	26.6	13.5	20.3	4.6	222.5	1.8	303.7
23:20:54	953.9	131.1	26.4	13.5	20.8	4.7	196.9	1.3	303.6
23:21:33	952.6	143.2	26.0	13.4	21.7	4.8	181.8	1.2	303.4
23:22: 0	951.5	153.7	25.9	13.3	21.6	4.8	192.6	1.4	303.3
23:22:39	950.0	167.1	26.1	13.3	21.0	4.7	219.1	2.1	303.7
23:23:19	948.6	180.2	26.0	13.2	21.0	4.6	218.4	1.6	303.7
23:23:58	947.2	192.8	25.9	13.2	21.1	4.7	222.4	1.4	303.7
23:24:38	946.0	204.6	25.8	13.1	21.1	4.6	222.0	1.8	303.7
23:25:18	944.7	216.5	25.7	13.0	21.1	4.6	218.7	1.6	303.7
23:25:57	943.6	226.8	25.6	13.0	21.1	4.6	210.7	2.0	303.8
23:26:37	942.4	237.6	25.5	12.9	21.3	4.6	215.9	1.9	303.7
23:27:16	941.1	249.6	25.4	12.9	21.5	4.6	204.5	2.1	303.8
23:27:56	939.8	261.5	25.3	12.8	21.5	4.6	211.4	1.9	303.8
23:28:36	938.7	271.8	25.2	12.7	21.4	4.6	211.2	2.2	303.8
23:29:15	937.2	286.0	25.0	12.7	21.7	4.6	216.1	2.0	303.8
23:29:42	936.1	296.0	25.0	12.6	21.7	4.6	213.6	2.0	303.8
23:30:21	934.7	309.8	24.9	12.5	21.5	4.5	212.2	1.8	303.8
23:34: 6	936.2	295.1	24.8	12.6	22.0	4.6	215.8	2.4	303.6
23:34:45	937.8	280.5	24.8	12.6	22.0	4.6	216.8	2.3	303.5
23:35:12	938.9	270.2	25.0	12.6	21.8	4.6	220.2	2.2	303.6
23:35:51	940.3	257.2	25.1	12.8	22.0	4.7	220.0	2.2	303.5
23:36:18	941.5	245.8	25.1	12.8	21.8	4.6	218.6	1.9	303.5
23:36:44	942.6	235.6	25.2	12.9	22.1	4.7	221.8	2.1	303.4
23:37:24	944.2	221.1	25.3	12.9	22.0	4.7	230.1	2.2	303.4
23:37:50	945.3	210.4	25.5	13.0	21.9	4.7	228.2	2.1	303.4
23:38:16	946.5	199.7	25.5	13.0	22.0	4.7	220.6	1.8	303.3
23:38:56	948.0	185.5	25.6	13.1	22.1	4.8	227.1	1.8	303.3
23:39:22	949.2	174.6	25.6	13.1	21.8	4.7	228.9	1.7	303.2
23:40: 2	950.7	160.6	25.7	13.2	21.7	4.7	228.1	1.7	303.2
23:40:42	952.1	147.9	25.8	13.2	21.3	4.7	234.0	1.7	303.2
23:41:21	953.8	132.8	25.9	13.3	21.4	4.7	240.9	1.7	303.1
23:41:48	954.9	122.1	25.9	13.3	21.3	4.7	240.8	1.3	303.0
23:42:14	956.2	110.6	25.7	13.5	23.2	5.0	245.0	0.9	302.7
23:42:40	957.5	98.2	25.6	13.6	24.1	5.2	255.7	0.0	302.5
23:43: 6	958.9	85.1	25.7	13.7	24.3	5.2	302.0	0.1	302.5
23:43:33	960.2	73.4	25.8	13.8	24.3	5.3	3.6	0.0	302.4
23:43:59	961.7	60.4	25.7	13.9	24.9	5.4	52.4	0.0	302.2
23:44:25	963.1	47.1	25.8	13.9	24.4	5.3	178.1	0.1	302.2
23:44:39	963.6	42.6	25.8	13.9	24.6	5.3	128.3	0.6	302.2
23:44:52	964.1	38.4	25.8	13.9	24.6	5.3	150.2	0.5	302.1
23:45: 5	964.5	34.4	26.0	14.0	24.4	5.3	121.8	0.5	302.2
23:45:18	964.9	31.0	26.1	14.0	24.5	5.4	122.9	0.6	302.3
23:45:31	965.3	27.1	26.1	14.1	24.4	5.4	138.1	0.2	302.3
23:45:45	965.7	23.5	26.1	14.1	24.4	5.4	133.1	0.3	302.3
23:45:58	966.1	19.8	26.2	14.1	24.3	5.4	127.6	0.1	302.3

23:46:11	966.4	17.5	26.2	14.2	24.6	5.5	172.4	0.0	302.3
23:46:24	966.5	16.0	26.2	14.2	24.6	5.4	161.3	0.0	302.3
23:46:37	966.7	14.1	26.2	14.2	24.6	5.4	163.9	0.0	302.3
23:46:51	967.0	11.9	26.2	14.2	24.6	5.4	195.5	0.0	302.2
23:47: 4	967.2	9.7	26.2	14.1	24.2	5.4	204.2	0.0	302.3
23:47:17	967.3	8.5	26.1	14.0	24.2	5.3	218.8	0.9	302.1
23:47:30	967.7	5.6	26.2	14.0	23.6	5.2	242.3	1.6	302.2
23:47:43	967.9	3.3	26.0	13.8	23.5	5.1	241.4	1.6	302.0
23:47:57	967.8	4.1	25.9	13.9	24.2	5.2	240.9	1.7	301.9
23:48:10	968.2	1.1	25.3	14.4	29.2	6.1	240.8	1.1	301.2
23:48:23	968.2	0.8	22.4	13.2	34.0	6.0	242.0	1.2	298.3
23:48:36	968.2	0.8	21.8	12.8	34.5	5.8	241.3	0.7	297.6
23:49: 3	968.2	0.5	21.5	12.6	34.4	5.7	240.9	1.1	297.3
23:49:16	968.2	0.5	21.5	12.5	34.1	5.6	241.0	1.3	297.3

July 1-2, 1980: 2358-0042 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
23:57:38	968.2	-0.1	21.4	0.0	32.1	5.3	245.0	1.4	297.3
23:58:18	968.0	1.3	21.8	0.0	30.4	5.1	250.7	2.7	297.7
23:58:58	967.5	6.2	26.0	0.0	20.5	4.5	274.7	1.4	302.0
23:59:37	967.0	10.6	26.7	0.0	21.1	4.8	289.1	1.1	302.7
24:00:17	966.4	16.2	26.6	0.0	21.9	5.0	326.7	0.9	302.7
24:00:56	965.9	20.8	26.7	0.0	21.8	4.9	334.5	0.5	302.8
24:01:36	965.4	24.9	26.8	0.0	21.4	4.9	300.9	0.9	303.0
24:02:16	965.1	27.9	26.6	0.0	22.0	5.0	320.2	1.1	302.8
24:02:55	964.7	31.2	26.7	0.0	21.6	4.9	308.1	1.0	302.9
24:03:35	964.3	34.7	26.7	0.0	21.7	4.9	315.7	0.7	302.9
24:04:53	963.5	41.9	26.8	0.0	21.8	5.0	273.8	0.6	303.2
24:05:33	963.2	45.4	26.8	0.0	21.7	5.0	268.2	1.1	303.2
24:06:13	962.6	50.1	26.8	0.0	21.7	5.0	268.1	1.1	303.2
24:08:11	961.3	62.5	26.7	0.0	21.6	5.0	262.4	1.3	303.3
24:10:10	959.9	75.2	26.6	0.0	23.2	5.3	255.2	1.9	303.3
24:12:09	958.5	87.8	26.5	0.0	22.7	5.2	254.6	2.0	303.3
24:14:08	956.3	108.1	26.4	0.0	23.5	5.3	258.1	1.7	303.4
24:14:47	955.2	118.5	26.3	0.0	23.7	5.3	250.2	1.5	303.4
24:15:26	953.8	131.5	26.2	0.0	24.0	5.4	252.3	1.6	303.4
24:16:06	952.4	144.4	26.2	0.0	22.9	5.1	243.9	1.5	303.5
24:16:46	951.1	156.6	26.1	0.0	22.7	5.1	243.8	1.4	303.6
24:17:25	949.6	169.7	26.0	0.0	22.6	5.0	236.8	1.1	303.6
24:18:05	948.1	183.5	25.9	0.0	22.9	5.1	226.8	0.9	303.6
24:18:44	946.8	196.4	25.8	0.0	23.0	5.0	223.7	0.8	303.6
24:19:24	945.4	208.8	25.7	0.0	23.1	5.0	201.4	0.8	303.6
24:20:04	944.1	221.4	25.5	0.0	23.3	5.1	201.7	0.7	303.6
24:20:43	942.7	234.0	25.4	0.0	23.4	5.1	183.4	0.7	303.7
24:21:23	941.5	245.2	25.3	0.0	23.5	5.1	177.9	0.8	303.6
24:22:02	940.2	257.3	25.2	0.0	23.7	5.1	175.7	0.8	303.6
24:22:42	938.9	269.6	25.1	0.0	23.8	5.0	179.2	0.8	303.6
24:23:22	937.6	281.4	24.9	0.0	23.9	5.0	185.9	0.7	303.6
24:24:01	936.3	293.3	24.8	0.0	24.1	5.1	181.4	0.9	303.6
24:24:41	935.1	304.6	24.7	0.0	24.1	5.0	187.3	0.7	303.6
24:25:20	933.7	317.6	24.5	0.0	24.4	5.0	178.9	0.7	303.6
24:29:18	935.9	297.7	24.1	0.0	27.4	5.5	95.8	3.0	302.9
24:30:37	938.6	272.5	24.2	0.0	26.9	5.4	319.3	2.9	302.7
24:31:17	940.1	258.0	24.4	0.0	27.1	5.5	240.6	3.0	302.8
24:31:56	941.6	244.2	24.4	0.0	26.9	5.5	228.0	2.9	302.7
24:32:36	943.1	230.9	24.3	0.0	27.3	5.5	296.0	3.5	302.5
24:33:15	944.8	214.5	24.6	0.0	26.6	5.5	191.0	2.2	302.6
24:33:55	946.6	198.3	24.6	0.0	26.3	5.4	175.7	2.4	302.5
24:34:34	948.6	179.8	24.8	0.0	25.7	5.3	211.1	3.3	302.5
24:35:14	950.5	162.5	24.7	0.0	25.5	5.2	231.5	1.5	302.2

24:36:33	954.3	126.9	25.1	0.0	24.6	5.1	54.9	1.5	302.2
24:37:13	956.8	103.9	25.2	0.0	25.0	5.2	209.7	1.0	302.1
24:37:52	958.7	87.3	25.0	0.0	24.9	5.2	185.9	2.5	301.8
24:38:32	960.4	71.7	25.3	0.0	23.6	5.0	158.2	1.8	302.0
24:39:11	961.7	59.2	25.5	0.0	23.2	5.0	126.6	1.1	302.0
24:39:51	963.2	46.1	25.3	0.0	24.1	5.0	156.1	1.7	301.6
24:40:31	965.1	28.7	25.3	0.0	24.1	5.0	57.4	0.2	301.4
24:41:10	966.7	14.1	25.2	0.0	25.1	5.2	250.9	1.0	301.3
24:41:50	967.6	6.0	24.7	0.0	27.3	5.5	244.7	2.8	300.7
24:42:29	968.1	1.1	22.5	0.0	32.7	5.8	243.4	1.5	298.4
24:43:09	968.1	1.8	22.1	0.0	32.7	5.6	242.0	1.0	298.0
24:43:49	968.1	1.2	21.4	0.0	35.2	5.8	257.5	1.0	297.3

July 1-2, 1980; 0050-0133 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
0:49:24	968.3	0.1	22.0	12.7	32.9	5.6	241.5	2.8	297.9
0:49:37	968.0	2.2	22.4	12.7	31.4	5.5	243.9	3.3	298.3
0:49:51	968.0	2.3	23.0	12.8	29.2	5.3	247.0	3.4	299.0
0:50: 4	968.0	3.0	23.7	13.1	27.7	5.3	245.2	3.2	299.7
0:50:17	967.8	4.2	25.1	13.2	23.4	4.8	245.1	2.7	301.1
0:50:30	967.6	6.1	26.0	13.7	23.0	5.0	243.6	2.4	302.0
0:50:43	967.5	7.4	26.3	13.9	23.1	5.1	248.0	2.5	302.3
0:50:57	967.2	10.2	26.5	14.1	23.2	5.2	246.2	2.4	302.5
0:51:10	966.8	13.1	26.6	14.2	23.2	5.3	240.9	2.6	302.7
0:51:23	966.6	15.3	26.6	14.2	23.4	5.3	241.6	2.5	302.7
0:51:36	966.3	18.2	26.7	14.2	23.4	5.3	240.9	2.2	302.8
0:51:49	966.0	20.6	26.7	14.3	23.5	5.3	244.3	2.4	302.8
0:52: 2	965.7	23.2	26.7	14.2	23.4	5.3	253.3	2.9	302.8
0:52:15	965.4	26.0	26.7	14.3	23.4	5.3	240.9	2.7	302.9
0:52:28	965.2	28.4	26.7	14.3	23.5	5.3	240.9	2.2	302.9
0:52:42	965.0	30.5	26.7	14.3	23.5	5.4	240.9	2.3	302.9
0:52:55	964.7	32.4	26.7	14.3	23.6	5.4	240.9	2.8	303.0
0:53: 8	964.4	35.1	26.7	14.3	23.8	5.4	241.6	2.6	303.0
0:53:21	964.2	37.5	26.6	14.2	23.6	5.4	240.8	2.9	302.9
0:53:34	964.0	39.3	26.7	14.3	23.6	5.4	240.9	2.9	303.0
0:53:48	963.6	42.4	26.6	14.3	23.7	5.4	240.8	2.6	302.9
0:54: 1	963.4	44.6	26.6	14.3	23.8	5.4	241.5	3.1	303.0
0:54:14	963.2	46.2	26.6	14.2	23.8	5.4	240.8	2.9	303.0
0:54:27	962.9	49.4	26.6	14.2	23.6	5.4	240.8	3.0	303.0
0:55:33	961.6	60.6	26.5	14.2	23.9	5.4	241.0	2.9	303.0
0:56:39	960.4	72.4	26.4	14.1	24.0	5.4	239.8	3.3	303.0
0:57:45	959.2	83.0	26.2	14.0	23.9	5.3	239.7	3.3	302.9
0:58:51	958.0	93.8	26.1	14.0	24.1	5.3	238.5	3.4	303.0
0:59:57	956.8	105.1	26.2	14.0	24.0	5.3	240.8	2.8	303.1
1: 1:16	955.5	116.9	26.0	13.9	24.4	5.4	239.4	3.4	303.0
1: 2:22	954.4	127.4	26.0	13.9	24.0	5.3	240.9	3.1	303.2
1: 3:41	953.2	137.8	26.0	13.9	23.9	5.3	240.9	3.0	303.3
1: 4:34	951.8	151.4	26.0	13.8	23.6	5.2	240.9	2.2	303.4
1: 5: 0	950.4	163.7	25.9	13.7	23.6	5.2	240.8	2.0	303.5
1: 5:27	949.2	175.1	25.9	13.6	23.4	5.1	240.9	1.9	303.5
1: 5:53	947.9	186.7	25.8	13.6	23.5	5.2	240.8	1.7	303.5
1: 6:19	946.6	198.9	25.7	13.5	23.4	5.1	236.8	1.5	303.6
1: 6:45	945.2	211.7	25.7	13.5	23.3	5.1	222.1	1.4	303.7
1: 7:12	943.9	223.8	25.6	13.4	23.4	5.1	216.8	1.5	303.8
1: 7:38	942.8	234.9	25.5	13.4	23.5	5.1	212.1	1.5	303.7
1: 8: 4	941.6	245.9	25.4	13.3	23.6	5.1	208.0	1.7	303.8
1: 8:44	940.0	260.5	25.3	13.3	23.9	5.1	203.1	1.9	303.7
1: 9:10	938.9	270.6	25.2	13.2	23.9	5.1	204.5	2.0	303.7
1: 9:50	937.3	285.7	25.0	13.1	24.1	5.1	203.4	1.8	303.8

1:10:16	936.2	295.9	24.9	13.1	24.2	5.1	198.0	2.0	303.8
1:10:43	935.1	306.2	24.9	13.0	24.2	5.1	202.2	2.0	303.8
1:11:22	934.0	316.8	24.7	12.9	24.3	5.1	196.7	2.1	303.7
1:13:34	935.2	305.1	24.7	12.8	23.7	4.9	193.2	2.3	303.6
1:14:14	936.7	291.5	24.8	12.9	23.6	4.9	204.4	2.4	303.6
1:14:54	938.1	278.5	24.9	12.9	23.7	5.0	196.6	2.3	303.5
1:15:33	939.6	264.5	25.0	13.0	23.6	5.0	216.7	2.3	303.5
1:16:13	941.1	250.1	25.0	13.1	23.7	5.0	223.5	2.1	303.4
1:16:52	942.6	236.2	25.1	13.1	23.6	5.0	229.5	2.3	303.4
1:17:31	943.9	224.0	25.3	13.2	23.4	5.0	230.0	2.5	303.4
1:18:11	945.3	211.1	25.4	13.3	23.4	5.0	234.4	2.5	303.3
1:18:51	946.7	198.0	25.5	13.4	23.6	5.1	235.7	2.6	303.3
1:19:30	948.1	185.1	25.6	13.4	23.5	5.1	237.2	2.6	303.3
1:20:10	949.3	174.4	25.7	13.5	23.4	5.1	240.8	2.9	303.3
1:20:49	950.5	163.0	25.8	13.6	23.4	5.1	240.7	3.0	303.3
1:21:29	951.9	150.4	25.8	13.6	23.4	5.1	238.5	3.4	303.2
1:22: 9	953.1	138.7	25.9	13.6	23.3	5.1	239.3	3.7	303.2
1:22:48	954.3	127.7	26.0	13.7	23.2	5.1	238.9	3.5	303.2
1:23:28	955.7	115.6	26.1	13.8	23.4	5.2	241.0	3.5	303.2
1:24:21	957.3	101.0	26.2	13.9	23.6	5.3	240.9	3.6	303.1
1:25: 0	958.5	89.7	26.2	14.0	23.9	5.3	241.3	3.9	303.0
1:25:39	959.6	79.2	26.1	14.0	24.2	5.4	241.4	3.8	302.8
1:26:32	960.8	68.5	26.2	14.0	24.2	5.4	241.2	4.2	302.8
1:27:38	961.9	58.1	26.2	14.1	24.2	5.4	240.9	3.8	302.7
1:28:31	963.1	47.6	26.0	14.0	24.5	5.4	241.6	4.5	302.4
1:28:44	963.3	45.6	26.0	14.0	24.3	5.3	241.7	4.4	302.4
1:28:57	963.6	43.1	26.0	14.0	24.4	5.4	241.1	4.5	302.4
1:29:10	963.9	40.5	26.0	14.0	24.4	5.3	241.4	4.5	302.3
1:29:24	964.1	38.1	26.0	13.9	24.3	5.3	241.6	4.5	302.3
1:29:37	964.3	36.8	26.0	14.0	24.3	5.3	240.9	4.5	302.3
1:29:50	964.5	34.6	26.0	14.0	24.3	5.3	241.0	4.7	302.3
1:30: 3	964.8	32.3	26.0	14.0	24.3	5.3	241.3	4.4	302.3
1:30:16	965.1	29.3	26.0	14.0	24.3	5.3	241.3	4.5	302.2
1:30:30	965.4	26.6	26.1	14.0	24.4	5.4	241.0	4.5	302.2
1:30:43	965.8	23.0	26.1	14.0	24.1	5.3	241.3	4.4	302.2
1:30:56	966.2	19.5	26.1	14.0	24.3	5.3	240.9	4.3	302.2
1:31: 9	966.4	17.1	26.0	14.0	24.5	5.3	240.9	4.6	302.1
1:31:22	966.8	13.5	26.0	14.0	24.3	5.3	240.9	4.6	302.0
1:31:36	967.2	10.1	25.9	14.0	24.7	5.4	240.8	4.7	301.9
1:31:49	967.5	7.8	25.8	14.0	25.0	5.4	240.9	4.8	301.8
1:32: 2	968.0	3.2	24.7	14.1	29.6	6.0	241.5	4.3	300.6
1:32:15	968.0	3.4	23.1	13.5	32.5	6.0	240.9	2.6	299.0
1:32:28	968.1	2.2	22.5	13.1	33.1	5.8	240.8	2.4	298.4
1:32:42	968.0	2.6	22.3	13.0	33.4	5.8	231.3	3.3	298.2
1:32:55	968.0	2.6	22.2	12.9	33.0	5.7	240.7	2.1	298.1
1:33: 8	968.0	2.6	22.2	12.9	33.1	5.7	230.7	2.5	298.1
1:33:21	968.1	1.8	22.2	12.9	33.1	5.8	238.0	3.0	298.1
1:33:34	968.2	1.2	22.2	12.9	33.0	5.7	235.1	2.0	298.1
1:33:47	968.1	2.4	22.1	12.8	32.8	5.7	241.3	2.9	298.1
1:34: 0	968.0	3.1	22.1	12.9	33.1	5.7	226.1	2.6	298.1
1:34:13	968.2	1.3	22.2	12.8	32.6	5.7	240.9	2.6	298.1
1:34:27	968.1	1.8	22.2	12.9	32.7	5.7	226.6	2.9	298.1

July 2-3, 1981: 1949-2026 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
19:49:11	970.2	0.4	24.7	12.7	22.1	4.4	258.7	2.3	300.4
19:49:20	969.9	3.0	24.7	11.7	17.1	3.4	279.6	2.1	300.4
19:49:30	969.7	4.4	26.5	12.9	17.3	3.9	286.3	2.4	302.3
19:49:39	969.4	7.8	27.2	13.1	16.6	3.9	278.0	2.1	303.0
19:49:48	969.1	10.1	27.5	13.4	16.8	4.0	290.7	1.9	303.4
19:49:57	968.9	12.0	27.7	13.5	17.0	4.1	296.9	1.8	303.6
19:50: 7	968.7	14.2	27.8	13.6	17.1	4.1	299.5	1.8	303.7
19:50:16	968.5	15.8	27.9	13.7	17.4	4.2	307.7	2.0	303.8
19:50:25	968.2	18.1	27.9	13.7	17.4	4.2	314.2	1.7	303.8
19:50:34	968.1	19.7	28.0	13.8	17.4	4.2	323.8	1.7	303.9
19:50:43	967.8	22.0	28.0	13.8	17.4	4.2	331.3	1.6	303.9
19:50:52	967.7	22.7	28.0	13.8	17.3	4.2	333.2	1.6	304.0
19:51: 1	967.4	25.7	28.0	13.8	17.5	4.3	330.0	1.8	304.0
19:51:10	967.2	27.8	28.0	13.8	17.6	4.3	336.4	1.6	304.0
19:51:20	967.0	29.8	28.0	13.8	17.5	4.3	336.0	1.7	304.1
19:51:29	966.8	31.3	28.0	13.8	17.5	4.3	338.4	1.5	304.1
19:51:38	966.7	32.5	28.0	13.8	17.6	4.3	342.4	1.6	304.1
19:51:47	966.4	35.3	28.0	13.8	17.6	4.3	339.7	1.5	304.1
19:51:56	966.1	37.4	28.0	13.8	17.6	4.3	341.3	1.6	304.1
19:52: 5	965.9	39.0	28.0	13.8	17.6	4.3	342.8	1.6	304.1
19:52:14	965.7	41.5	28.0	13.8	17.7	4.3	341.6	1.7	304.1
19:52:23	965.4	43.6	27.9	13.8	17.7	4.3	343.2	2.0	304.1
19:52:33	965.2	45.5	27.9	13.8	17.7	4.3	343.2	2.0	304.1
19:52:42	965.0	47.7	27.8	13.7	17.6	4.3	346.0	2.2	304.1
19:53:28	963.9	57.8	27.6	13.8	18.4	4.4	338.1	2.9	303.9
19:53:55	962.6	69.8	27.4	13.7	18.8	4.5	314.9	3.6	303.9
19:54:23	961.5	79.8	27.2	13.7	19.1	4.5	323.6	3.7	303.8
19:54:50	960.2	91.7	27.1	13.6	19.1	4.5	333.4	5.3	303.8
19:55:17	959.0	102.4	26.9	13.5	19.3	4.5	312.2	4.7	303.7
19:55:45	957.9	112.5	26.9	13.5	19.7	4.6	319.0	4.7	303.7
19:56:22	956.5	125.6	26.8	13.5	19.5	4.5	335.9	5.2	303.8
19:56:49	955.2	137.4	26.7	13.3	19.5	4.5	333.2	4.9	303.8
19:57:26	953.9	149.3	26.6	13.3	19.5	4.5	323.5	5.1	303.8
19:58: 2	952.5	162.9	26.5	13.3	19.7	4.5	331.8	5.2	303.9
19:58:39	951.2	174.5	26.4	13.2	19.7	4.5	327.7	4.8	303.8
19:59:16	949.7	188.4	26.5	13.1	19.2	4.4	337.6	4.1	304.1
19:59:52	948.4	200.2	26.2	13.1	19.7	4.4	336.4	4.3	304.0
20: 0:20	947.0	213.1	26.2	13.0	19.6	4.4	343.9	3.9	304.0
20: 0:56	945.9	223.5	25.9	12.9	20.1	4.4	340.4	4.4	303.9
20: 1:33	944.7	234.7	25.8	12.9	20.2	4.5	338.6	4.1	303.9
20: 2: 0	943.5	245.8	25.8	12.9	20.2	4.4	336.7	3.9	303.9
20: 2:28	942.4	255.8	25.6	12.8	20.3	4.4	334.8	3.9	303.9
20: 2:55	941.3	266.4	25.7	12.8	20.0	4.4	330.4	3.6	304.1
20: 3:23	940.0	278.5	25.5	12.7	20.3	4.4	345.3	3.9	304.0
20: 3:50	938.4	293.4	25.4	12.6	20.4	4.4	343.7	3.5	304.0
20: 4:17	937.2	304.4	25.3	12.6	20.5	4.4	351.3	2.6	304.1
20: 6:26	938.3	294.3	25.5	12.5	19.6	4.3	332.6	3.3	304.1
20: 7:11	939.5	282.7	25.3	12.5	19.9	4.3	340.3	3.7	303.8
20: 7:48	940.6	272.4	25.5	12.6	19.8	4.3	338.1	4.0	303.9
20: 8:34	941.7	262.4	25.7	12.6	19.4	4.3	349.8	4.1	304.0
20: 9:20	943.0	250.3	25.8	12.8	19.6	4.3	340.1	4.1	304.0
20:10: 5	944.3	238.4	25.8	12.8	19.7	4.3	339.2	4.4	303.9
20:10:51	945.4	227.8	25.9	12.8	19.7	4.4	338.4	4.0	303.9
20:11:37	946.8	215.5	26.0	12.9	19.6	4.4	334.2	4.6	303.9
20:12:23	947.9	204.7	26.1	13.0	19.5	4.4	334.3	4.6	303.9
20:13:27	949.2	193.4	26.2	13.0	19.5	4.4	337.3	4.7	303.9
20:14:40	950.4	182.3	26.3	13.1	19.4	4.4	333.0	4.6	303.9
20:15:53	951.4	172.2	26.4	13.1	19.3	4.4	335.5	4.8	303.9

20:16:30	952.8	159.7	26.5	13.2	19.2	4.4	335.5	4.5	303.8
20:17: 7	954.2	146.5	26.7	13.3	19.1	4.4	334.1	4.5	303.9
20:17:43	955.6	133.7	26.8	13.3	19.1	4.4	335.5	4.5	303.8
20:18:20	957.1	120.1	26.9	13.4	19.1	4.4	330.0	4.5	303.8
20:18:47	958.2	110.0	26.9	13.4	19.0	4.4	329.9	4.2	303.8
20:19:24	959.4	99.2	27.0	13.5	19.0	4.4	330.4	4.4	303.8
20:20:10	960.5	88.6	27.1	13.6	19.2	4.5	327.2	4.1	303.8
20:20:55	961.8	77.1	27.3	13.8	19.4	4.6	331.9	4.3	303.8
20:21:32	962.9	67.1	27.4	13.9	19.6	4.6	330.6	4.0	303.8
20:22: 8	964.0	56.6	27.4	13.9	19.5	4.6	328.4	4.0	303.7
20:22:36	964.8	49.3	27.5	14.0	19.7	4.7	327.8	3.8	303.8
20:22:45	965.0	47.2	27.5	14.0	19.8	4.7	329.1	4.1	303.7
20:22:55	965.3	45.1	27.5	14.0	19.8	4.7	327.9	4.0	303.7
20:23: 4	965.5	43.0	27.5	14.1	19.9	4.7	333.8	3.6	303.7
20:23:13	965.9	39.8	27.4	14.0	20.0	4.7	329.2	3.8	303.6
20:23:22	966.1	37.4	27.6	14.1	19.8	4.8	327.8	3.9	303.8
20:23:31	966.2	37.1	27.6	14.1	19.9	4.8	317.7	4.1	303.7
20:23:40	966.4	34.7	27.6	14.1	19.9	4.8	342.3	3.6	303.7
20:23:49	966.7	32.3	27.5	14.1	20.2	4.8	316.1	3.4	303.6
20:23:52	966.9	30.5	27.6	14.2	20.4	4.9	335.5	3.7	303.6
20:24: 8	967.1	28.2	27.5	14.1	20.1	4.8	343.9	3.8	303.5
20:24:17	967.4	26.1	27.4	14.1	20.4	4.8	319.1	3.6	303.4
20:24:26	967.6	24.0	27.5	14.1	20.2	4.8	312.2	3.6	303.4
20:24:35	967.9	21.5	27.6	14.1	20.1	4.8	315.1	3.7	303.5
20:24:44	968.3	17.7	27.5	14.1	20.2	4.8	318.3	3.6	303.5
20:24:53	968.5	15.7	27.6	14.2	20.3	4.8	307.0	3.7	303.5
20:25: 2	969.0	10.9	27.5	14.2	20.6	4.9	311.6	3.4	303.4
20:25:11	969.3	8.5	27.2	14.1	21.3	5.0	329.9	2.9	303.0
20:25:21	969.3	8.1	27.2	14.1	21.0	4.9	320.8	3.1	303.0
20:25:30	969.5	6.4	27.1	14.2	21.6	5.0	300.1	3.0	302.9
20:25:39	969.8	4.1	26.8	14.1	22.0	5.0	277.4	3.0	302.6
20:25:48	970.1	0.8	26.7	14.0	22.4	5.1	291.2	2.2	302.4
20:25:58	969.4	7.4	26.0	14.0	24.1	5.2	308.0	1.2	301.9
20:26: 7	969.9	3.1	26.0	14.0	24.5	5.3	318.5	0.7	301.7
20:26:16	969.8	3.9	25.2	13.8	26.3	5.4	318.6	0.4	301.0
20:26:25	969.8	3.8	25.0	13.6	25.4	5.2	318.7	0.5	300.8
20:26:34	969.8	3.6	25.0	13.6	25.6	5.3	318.6	0.1	300.8
20:26:43	969.8	3.6	25.0	13.5	25.3	5.2	318.6	0.3	300.8
20:26:52	969.8	3.6	24.9	13.5	25.6	5.2	318.7	0.5	300.7

July 2-3, 1981: 2034-2110 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
20:34:13	970.4	0.0	25.9	13.0	19.8	4.3	305.4	3.2	301.7
20:34:22	970.0	3.3	26.6	13.3	18.7	4.2	301.5	3.6	302.4
20:34:31	969.8	5.7	27.1	13.5	18.7	4.3	306.5	3.3	302.9
20:34:40	969.3	10.0	27.2	13.6	19.0	4.4	301.1	3.3	303.0
20:34:49	969.1	11.9	27.3	13.7	18.9	4.4	326.0	3.1	303.2
20:34:58	968.7	15.5	27.3	13.8	19.0	4.5	312.9	3.6	303.2
20:35: 7	968.3	19.5	27.4	13.8	19.2	4.5	314.6	3.3	303.3
20:35:17	968.0	21.9	27.3	13.8	19.2	4.5	307.3	3.2	303.3
20:35:26	967.6	25.7	27.4	13.8	19.2	4.5	320.0	3.4	303.4
20:35:35	967.4	27.6	27.4	13.8	19.1	4.5	327.9	4.0	303.4
20:35:44	966.9	32.1	27.4	13.8	19.3	4.6	329.2	3.5	303.4
20:35:53	966.5	35.5	27.4	13.8	18.9	4.5	330.9	3.8	303.5
20:36: 2	966.2	38.5	27.5	13.9	19.0	4.5	338.1	3.9	303.6
20:36:11	965.9	40.9	27.5	13.8	18.9	4.5	330.9	4.0	303.6
20:36:20	965.7	42.6	27.5	13.9	19.0	4.5	328.4	3.8	303.7
20:36:30	965.6	44.0	27.5	13.8	19.1	4.5	331.7	3.9	303.6
20:36:39	965.4	45.5	27.5	13.8	19.0	4.5	330.3	4.0	303.7
20:36:48	965.2	47.4	27.5	13.8	19.0	4.5	328.6	3.9	303.7

20:36:57	965.0	48.7	27.5	13.8	19.2	4.6	329.6	4.0	303.7
20:37: 7	964.9	49.7	27.4	13.8	19.2	4.6	331.7	4.0	303.7
20:38:10	963.7	60.6	27.4	13.8	19.2	4.6	334.7	4.1	303.7
20:39: 5	962.5	71.5	27.3	13.8	19.2	4.6	333.8	4.1	303.8
20:39:42	961.3	82.7	27.3	13.7	19.3	4.6	336.4	3.9	303.8
20:40:19	960.2	93.4	27.2	13.7	19.5	4.6	335.6	4.0	303.8
20:40:55	959.0	104.0	27.0	13.6	19.5	4.6	334.0	4.0	303.8
20:41:32	957.7	116.0	27.0	13.6	19.6	4.6	334.0	4.0	303.8
20:42: 8	956.4	128.0	26.9	13.6	19.6	4.6	338.6	3.8	303.9
20:42:45	955.2	139.2	26.8	13.5	19.8	4.6	339.3	3.7	303.9
20:43:22	954.0	150.0	26.7	13.4	19.8	4.6	337.9	3.9	303.9
20:43:58	952.9	160.5	26.5	13.4	19.9	4.6	337.2	3.9	303.9
20:44:35	951.7	171.1	26.5	13.3	20.0	4.5	337.9	3.8	303.9
20:45:11	950.6	181.4	26.4	13.3	20.1	4.5	338.5	3.8	303.9
20:45:48	949.4	192.5	26.2	13.2	20.2	4.5	339.3	3.7	303.8
20:46:25	948.1	204.4	26.2	13.2	20.2	4.5	339.2	3.6	303.9
20:47: 1	946.8	216.4	26.1	13.1	20.3	4.6	341.2	3.2	304.0
20:47:38	945.6	227.6	26.0	13.1	20.5	4.6	339.4	3.2	304.0
20:48:14	944.5	238.3	25.9	13.0	20.6	4.6	339.3	3.2	304.0
20:48:51	943.2	250.3	25.8	12.9	20.6	4.5	340.6	3.2	304.0
20:49:28	942.0	261.7	25.6	12.9	20.8	4.6	340.5	3.0	304.0
20:50: 4	940.7	273.7	25.6	12.9	20.9	4.6	344.9	3.0	304.0
20:50:50	939.4	285.2	25.5	12.8	21.1	4.6	346.9	2.9	304.0
20:51:26	938.3	295.8	25.4	12.8	21.2	4.6	347.7	2.7	304.0
20:52: 3	937.0	308.3	25.3	12.7	21.2	4.6	349.8	2.7	304.0
20:54:29	938.3	295.5	25.3	12.7	20.9	4.5	342.3	3.1	303.9
20:55: 6	939.5	284.1	25.3	12.7	20.9	4.5	342.5	3.1	303.8
20:55:43	940.9	271.9	25.5	12.8	20.7	4.5	342.1	3.1	303.9
20:56:19	942.2	259.3	25.2	12.5	20.3	4.3	340.4	3.1	303.4
20:56:56	943.5	247.1	25.6	12.8	20.4	4.5	344.2	3.1	303.8
20:57:32	944.8	234.9	25.8	12.9	20.4	4.5	342.9	3.2	303.8
20:58: 9	946.1	222.9	25.9	13.0	20.3	4.5	345.2	3.3	303.8
20:58:46	947.4	210.9	26.0	13.0	20.1	4.5	345.5	3.4	303.8
20:59:22	948.6	199.7	26.1	13.1	20.0	4.5	344.3	3.3	303.8
20:59:59	949.8	188.6	26.2	13.1	19.8	4.5	340.3	3.3	303.8
21: 0:44	951.3	175.3	26.4	13.2	19.6	4.4	342.1	3.2	303.8
21: 1:21	952.4	165.0	26.6	13.3	19.8	4.5	346.8	3.2	303.9
21: 1:58	953.7	152.9	26.6	13.3	19.7	4.5	345.4	3.2	303.8
21: 2:34	955.0	141.1	26.6	13.3	19.6	4.5	348.0	3.2	303.7
21: 3:11	956.3	129.5	26.7	13.4	19.5	4.5	349.5	3.3	303.7
21: 3:47	957.3	119.5	26.8	13.4	19.5	4.5	348.9	3.4	303.7
21: 4:24	958.5	108.5	26.9	13.5	19.5	4.5	351.1	3.3	303.7
21: 5: 1	959.6	98.5	26.9	13.5	19.3	4.5	353.8	3.5	303.6
21: 5:37	960.8	87.9	27.0	13.6	19.2	4.5	354.8	3.3	303.6
21: 6:14	961.9	77.7	27.0	13.6	19.1	4.5	351.2	3.3	303.6
21: 6:59	963.2	65.6	27.1	13.7	19.3	4.5	345.3	3.4	303.5
21: 7:36	964.7	52.3	27.2	13.7	19.1	4.5	347.7	3.1	303.5
21: 7:46	965.1	48.3	27.3	13.7	19.2	4.5	345.3	3.0	303.5
21: 7:55	965.2	47.3	27.3	13.7	18.9	4.5	347.8	3.0	303.5
21: 8: 4	965.5	45.0	27.4	13.8	19.0	4.5	346.1	3.2	303.6
21: 8:13	965.7	42.7	27.3	13.7	18.9	4.5	345.1	3.0	303.5
21: 8:22	966.1	39.4	27.3	13.8	19.1	4.5	341.2	2.8	303.5
21: 8:31	966.4	36.5	27.3	13.7	19.0	4.5	342.5	2.8	303.4
21: 8:40	966.9	32.3	27.3	13.7	19.0	4.5	328.6	2.6	303.3
21: 8:49	967.2	29.3	27.3	13.7	19.1	4.5	328.9	2.6	303.3
21: 8:59	967.6	25.5	27.3	13.7	18.9	4.5	342.1	2.8	303.3
21: 9: 8	968.0	21.5	27.4	13.8	19.0	4.5	318.4	2.8	303.3
21: 9:17	968.4	18.2	27.3	13.7	18.7	4.4	333.2	2.3	303.2
21: 9:26	968.8	14.7	27.3	13.7	19.1	4.5	337.4	2.2	303.2
21: 9:35	969.2	10.9	27.3	13.7	19.1	4.5	320.2	2.0	303.1
21: 9:44	969.7	6.1	27.4	13.8	19.1	4.5	311.5	2.1	303.2
21: 9:53	970.2	2.0	27.3	13.8	19.3	4.5	282.0	1.7	303.0

21:10: 2	970.6	-2.0	27.3	13.8	19.5	4.6	278.3	1.9	303.0
21:10:12	971.1	-6.2	26.9	13.9	21.2	4.9	278.0	1.4	302.6
21:10:21	971.1	-6.0	25.3	13.4	23.8	5.0	266.2	1.1	301.0
21:10:30	971.1	-6.1	24.8	13.2	24.7	5.0	258.7	1.2	300.4
21:10:39	971.1	-6.2	24.4	13.0	24.4	4.8	252.8	1.1	300.1
21:10:49	971.1	-6.4	24.2	12.8	24.7	4.8	249.8	1.6	299.8
21:10:58	971.0	-5.8	24.5	12.8	23.4	4.6	254.7	1.1	300.1
21:11: 7	971.0	-5.8	24.9	12.6	21.2	4.3	261.0	1.0	300.6
21:11:16	971.0	-5.9	25.0	13.0	22.6	4.6	269.6	1.3	300.7

July 2-3, 1981: 2120-2151 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
21:19:52	970.7	-0.2	24.6	12.6	21.9	4.4	263.8	2.0	300.3
21:20: 1	970.2	4.3	26.0	12.7	18.2	3.9	283.4	2.1	301.8
21:20:10	969.9	6.9	26.8	13.3	18.3	4.2	291.5	2.2	302.6
21:20:19	969.5	10.2	27.0	13.5	18.7	4.3	264.3	2.2	302.8
21:20:29	969.0	14.9	27.1	13.5	18.6	4.3	307.3	2.2	303.0
21:20:38	968.6	18.6	27.2	13.6	18.6	4.3	298.6	2.0	303.1
21:20:47	968.3	21.2	27.2	13.6	18.7	4.4	308.6	2.9	303.2
21:20:56	967.8	25.8	27.3	13.7	18.8	4.4	331.7	2.1	303.3
21:21: 5	967.4	29.0	27.3	13.7	19.1	4.5	338.7	2.3	303.3
21:21:14	967.2	31.5	27.3	13.6	18.7	4.4	345.8	2.5	303.3
21:21:23	966.7	35.8	27.4	13.7	18.7	4.4	333.6	3.1	303.4
21:21:32	966.3	39.5	27.4	13.7	18.6	4.4	338.4	3.1	303.5
21:21:42	965.9	42.9	27.4	13.7	18.6	4.4	341.1	3.1	303.6
21:21:51	965.5	46.6	27.5	13.8	18.7	4.5	342.9	3.2	303.6
21:22:19	964.3	57.9	27.4	13.8	18.9	4.5	341.2	3.1	303.7
21:22:46	963.0	69.8	27.4	13.8	19.0	4.5	344.2	3.2	303.8
21:23:13	961.8	80.3	27.3	13.7	19.0	4.5	346.6	3.0	303.8
21:23:41	960.6	91.7	27.2	13.7	19.1	4.5	346.7	3.0	303.9
21:23:59	959.5	101.7	27.1	13.6	19.2	4.5	347.9	3.0	303.8
21:24:17	958.3	112.6	27.0	13.6	19.3	4.5	348.9	3.0	303.8
21:24:35	957.1	123.7	26.9	13.5	19.3	4.5	348.4	3.0	303.9
21:24:54	955.9	134.7	26.9	13.5	19.5	4.5	350.1	3.0	303.9
21:25:12	954.8	145.0	26.8	13.4	19.6	4.5	351.5	3.0	303.9
21:25:31	953.6	155.8	26.7	13.4	19.6	4.5	349.5	2.9	303.9
21:25:58	952.1	170.2	26.5	13.2	19.7	4.5	348.8	3.0	303.9
21:26:25	950.5	184.3	26.4	13.2	19.9	4.5	348.7	2.9	303.9
21:26:53	948.8	199.9	26.3	13.2	20.0	4.5	349.7	2.9	304.0
21:27:20	947.3	214.4	26.1	13.1	20.0	4.5	347.7	2.8	303.9
21:27:48	945.8	228.6	26.0	13.0	20.2	4.5	346.7	2.8	304.0
21:28:15	944.2	243.0	25.9	12.9	20.1	4.5	346.4	2.7	304.0
21:28:43	942.6	258.2	25.8	12.9	20.3	4.5	346.4	2.6	304.0
21:29:10	941.0	272.6	25.7	12.8	20.4	4.5	345.9	2.4	304.1
21:29:38	939.5	286.7	25.6	12.8	20.2	4.4	343.0	2.3	304.2
21:30: 5	938.0	300.6	25.5	12.7	20.4	4.4	343.1	2.5	304.1
21:30:32	936.7	313.1	25.4	12.6	20.4	4.4	342.3	2.2	304.1
21:31: 0	935.3	326.1	25.2	12.5	20.4	4.4	343.1	2.5	304.2
21:31:28	934.2	336.5	25.2	12.5	20.3	4.4	341.1	2.8	304.2
21:33:26	935.4	325.4	25.2	12.4	20.1	4.3	340.5	2.8	304.1
21:34: 3	936.6	313.5	25.3	12.5	19.9	4.3	339.4	2.8	304.1
21:34:40	937.8	303.1	25.4	12.6	20.1	4.4	336.5	2.9	304.1
21:35:34	938.9	292.6	25.3	12.5	20.2	4.3	340.7	2.4	303.9
21:36:11	940.3	279.1	25.5	12.8	20.5	4.5	359.3	1.6	304.0
21:36:29	941.9	264.0	25.7	12.9	20.6	4.5	359.9	1.6	304.0
21:36:57	943.1	253.5	25.9	12.9	20.3	4.5	6.7	2.8	304.1
21:37:34	944.2	243.4	26.0	13.0	20.4	4.5	345.2	2.5	304.1
21:38:10	945.5	231.2	26.0	13.1	20.5	4.6	337.5	2.5	303.9
21:38:47	946.8	218.8	26.1	13.2	20.6	4.6	338.2	2.7	304.0
21:39:23	948.0	208.2	26.1	13.3	20.9	4.7	340.2	2.8	303.9

21:40: 0	949.1	197.5	26.2	13.3	21.1	4.7	342.4	2.8	303.8
21:40:46	950.4	185.4	26.3	13.5	21.2	4.8	343.9	2.9	303.9
21:41:31	951.7	173.5	26.4	13.5	21.2	4.8	343.7	3.0	303.8
21:42:17	952.9	162.3	26.5	13.6	21.3	4.9	347.0	2.9	303.8
21:43: 3	954.1	151.4	26.6	13.7	21.2	4.8	347.5	2.9	303.8
21:43:49	955.2	141.3	26.7	13.8	21.2	4.9	349.3	2.9	303.8
21:44:34	956.5	129.7	26.8	13.8	21.3	4.9	347.9	3.0	303.8
21:45: 2	957.6	119.1	26.8	13.9	21.3	4.9	348.2	2.8	303.7
21:45:38	959.1	105.5	27.0	14.0	21.4	5.0	347.3	2.8	303.7
21:46:15	960.4	93.5	27.0	14.1	21.8	5.1	347.1	2.7	303.7
21:46:52	961.7	81.2	27.1	14.1	21.6	5.0	345.4	2.8	303.6
21:47:28	963.0	70.0	27.2	14.2	21.6	5.1	340.6	2.8	303.6
21:48: 5	964.2	58.7	27.2	14.2	21.7	5.1	341.1	2.5	303.5
21:48:32	965.3	48.8	27.3	14.3	21.7	5.1	330.2	2.7	303.5
21:48:41	965.6	45.5	27.2	14.3	21.7	5.1	328.6	2.5	303.4
21:48:50	966.0	41.9	27.3	14.3	21.8	5.1	323.7	2.5	303.4
21:48:59	966.3	39.8	27.3	14.3	21.6	5.1	332.5	2.5	303.4
21:49: 9	966.5	37.1	27.4	14.3	21.5	5.1	337.2	2.5	303.5
21:49:18	966.9	33.9	27.4	14.3	21.7	5.1	319.9	2.8	303.4
21:49:27	967.3	30.4	27.4	14.3	21.6	5.1	322.2	2.3	303.4
21:49:36	967.5	28.1	27.4	14.3	21.6	5.1	325.1	2.5	303.3
21:49:46	968.0	24.3	27.4	14.4	21.6	5.1	318.3	2.3	303.4
21:49:55	968.4	19.9	27.4	14.4	21.7	5.1	314.5	2.1	303.3
21:50:13	969.0	14.3	27.4	14.4	21.8	5.2	302.0	2.0	303.3
21:50:22	969.4	11.5	27.4	14.4	21.9	5.2	277.9	2.2	303.3
21:50:31	969.8	7.4	27.4	14.4	21.9	5.2	281.9	2.2	303.2
21:50:40	970.1	4.4	27.3	14.4	22.2	5.2	294.5	2.2	303.1
21:50:49	970.5	1.4	27.1	14.7	23.9	5.6	262.3	1.9	302.9
21:50:59	970.6	0.0	25.5	14.2	27.2	5.8	248.1	0.4	301.2
21:51: 8	970.4	2.3	24.7	13.7	27.6	5.6	248.0	-0.2	300.4
21:51:17	970.6	0.0	24.2	13.4	28.0	5.5	253.3	0.5	299.9
21:51:26	970.5	0.9	24.1	13.4	28.2	5.5	253.5	0.3	299.8
21:51:35	970.5	0.7	23.9	13.2	27.9	5.4	254.6	0.2	299.6
21:51:44	970.7	-0.6	23.9	13.2	27.7	5.3	252.8	0.5	299.6

July 2-3, 1981: 2203-2240 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
22: 2:41	970.5	-0.8	24.3	12.7	23.9	4.7	258.7	1.1	300.0
22: 2:50	970.3	1.5	24.4	12.4	21.6	4.3	273.9	2.3	300.1
22: 2:59	970.1	3.3	26.0	12.9	19.0	4.1	287.5	2.0	301.7
22: 3: 8	969.7	6.7	26.6	13.2	18.4	4.2	296.9	2.8	302.4
22: 3:17	969.5	8.5	26.9	13.4	18.8	4.3	281.1	2.6	302.7
22: 3:27	969.3	10.6	27.1	13.6	18.8	4.4	312.1	2.1	302.9
22: 3:36	969.0	13.1	27.1	13.6	19.1	4.4	292.3	2.2	303.0
22: 3:45	968.7	15.5	27.2	13.7	19.0	4.4	307.6	2.4	303.1
22: 3:54	968.5	17.7	27.3	13.7	19.1	4.5	315.0	2.4	303.2
22: 4: 3	968.3	19.8	27.3	13.7	19.1	4.5	329.0	2.4	303.2
22: 4:13	968.0	22.7	27.3	13.8	19.1	4.5	322.5	2.4	303.3
22: 4:22	967.7	25.1	27.3	13.8	19.2	4.5	331.8	2.0	303.3
22: 4:31	967.6	26.3	27.3	13.8	19.2	4.5	316.0	2.5	303.3
22: 4:40	967.4	28.2	27.3	13.8	19.2	4.5	328.4	2.2	303.3
22: 4:49	967.1	30.8	27.3	13.8	19.3	4.6	319.4	2.1	303.4
22: 4:58	966.8	32.8	27.4	13.8	19.3	4.5	332.1	2.7	303.4
22: 5: 7	966.5	35.6	27.4	13.8	19.3	4.6	336.3	2.5	303.5
22: 5:16	966.3	38.2	27.4	13.8	19.3	4.5	327.3	2.4	303.5
22: 5:26	966.0	40.5	27.4	13.8	19.3	4.6	329.3	2.5	303.5
22: 5:35	965.7	43.7	27.4	13.8	19.3	4.6	333.0	2.5	303.6
22: 5:44	965.4	45.9	27.3	13.8	19.3	4.6	336.8	2.5	303.5
22: 5:53	965.1	48.4	27.4	13.8	19.3	4.6	337.3	2.7	303.6
22: 6:29	964.0	59.1	27.3	13.8	19.4	4.6	335.3	2.5	303.6

22: 7: 6	962.7	70.3	27.2	13.7	19.4	4.6	339.1	2.6	303.6
22: 7:43	961.5	82.1	27.1	13.7	19.5	4.6	345.8	2.6	303.7
22: 8:19	960.3	92.7	27.1	13.6	19.3	4.5	353.0	2.7	303.7
22: 8:56	959.0	104.6	27.0	13.6	19.5	4.5	353.8	2.8	303.8
22: 9:32	957.8	115.8	26.9	13.5	19.5	4.5	350.5	2.8	303.7
22:10: 9	956.5	128.0	26.8	13.5	19.6	4.5	358.3	2.8	303.8
22:10:46	955.3	138.6	26.8	13.4	19.7	4.5	358.9	2.8	303.8
22:11: 4	954.0	150.2	26.5	13.2	19.4	4.4	5.9	2.4	303.7
22:11:22	951.6	173.0	26.5	13.4	20.0	4.6	2.5	2.5	304.0
22:11:31	950.4	184.2	26.4	13.3	20.1	4.6	3.3	2.5	304.0
22:11:40	949.0	196.5	26.3	13.2	20.1	4.5	4.1	2.5	304.0
22:11:49	947.7	209.1	26.2	13.2	20.4	4.6	2.8	2.5	304.0
22:11:59	946.4	220.7	26.1	13.2	20.5	4.6	1.0	2.5	304.0
22:12: 8	945.2	231.7	26.0	13.1	20.6	4.6	3.9	2.5	304.0
22:12:17	943.9	243.8	25.9	13.0	20.7	4.6	3.4	2.5	304.0
22:12:26	942.7	255.4	25.8	13.0	20.8	4.6	8.8	2.5	304.1
22:12:35	941.5	266.8	25.7	13.0	20.8	4.6	12.3	2.5	304.1
22:12:44	940.2	278.5	25.7	12.9	21.0	4.6	13.8	2.4	304.1
22:12:53	939.1	288.9	25.5	12.9	21.0	4.6	15.5	2.4	304.1
22:13: 2	937.9	300.5	25.4	12.8	21.2	4.6	15.4	2.4	304.1
22:13:12	936.6	312.3	25.3	12.7	21.2	4.6	16.7	2.4	304.1
22:13:30	934.3	333.4	25.1	12.6	21.4	4.6	13.1	2.1	304.1
22:13:49	932.0	355.2	24.9	12.5	21.5	4.6	13.3	2.0	304.1
22:13:58	930.8	366.4	24.8	12.5	21.7	4.6	9.3	2.1	304.1
22:14: 7	929.6	377.6	24.7	12.4	21.6	4.5	9.1	2.2	304.2
22:14:16	928.5	387.7	24.6	12.3	21.7	4.5	7.0	2.1	304.2
22:14:34	926.4	407.5	24.5	12.3	21.7	4.5	7.5	2.1	304.2
22:14:43	925.3	417.9	24.4	12.2	21.6	4.5	7.5	2.0	304.2
22:15: 1	923.2	437.9	24.2	12.1	21.8	4.5	7.3	2.0	304.2
22:15:11	921.9	450.9	24.2	12.1	22.0	4.5	10.4	1.9	304.4
22:15:38	919.1	476.6	24.0	12.0	22.2	4.5	5.4	1.8	304.4
22:15:56	918.1	486.7	23.7	11.8	22.1	4.4	3.2	1.9	304.2
22:16: 5	916.4	502.7	23.8	11.9	22.4	4.5	2.9	1.8	304.5
22:16:24	914.7	518.7	23.5	11.6	22.2	4.4	359.4	1.6	304.3
22:16:42	913.1	533.6	23.4	11.5	22.2	4.4	360.0	1.6	304.3
22:17: 0	911.5	548.9	23.2	11.6	23.1	4.5	0.3	1.5	304.3
22:18:32	912.7	538.1	23.2	11.4	22.3	4.4	6.1	2.7	304.2
22:18:59	914.0	525.0	23.2	11.5	22.7	4.4	6.3	2.8	304.0
22:19:36	915.6	509.8	23.2	11.5	22.6	4.4	14.4	2.8	303.9
22:20:12	916.8	498.6	23.3	11.6	22.6	4.4	359.9	2.9	303.9
22:20:40	918.1	486.3	23.3	11.6	22.5	4.4	9.3	3.1	303.8
22:21: 7	919.3	474.7	23.5	11.6	22.1	4.4	12.2	2.8	303.9
22:21:35	920.6	462.5	23.6	11.7	22.0	4.3	11.0	2.9	303.8
22:22:11	922.0	449.6	23.8	11.8	21.7	4.3	5.4	3.1	303.9
22:22:48	923.4	436.3	23.8	11.8	21.6	4.3	11.0	3.4	303.8
22:25:32	930.4	370.4	24.4	12.1	21.2	4.4	12.9	3.5	303.7
22:26: 0	931.6	359.6	24.4	12.1	21.2	4.4	12.4	3.4	303.7
22:26:27	932.9	347.1	24.5	12.1	21.1	4.3	12.9	3.5	303.6
22:26:55	934.1	335.8	24.6	12.2	20.9	4.4	13.7	3.5	303.7
22:27:22	935.4	323.6	24.7	12.2	20.7	4.3	8.8	3.5	303.6
22:27:50	936.9	310.0	24.8	12.3	20.5	4.3	5.6	3.6	303.6
22:28:17	938.2	297.3	25.0	12.4	20.4	4.3	4.0	3.7	303.6
22:28:44	939.4	286.0	25.1	12.5	20.6	4.4	4.5	3.7	303.6
22:29:12	940.6	274.9	25.1	12.5	20.5	4.4	4.6	3.6	303.6
22:29:39	942.0	262.2	25.3	12.6	20.5	4.4	5.6	3.5	303.6
22:30: 7	943.4	249.4	25.4	12.7	20.5	4.4	6.9	3.4	303.5
22:30:34	944.8	236.4	25.4	12.8	20.7	4.5	4.9	3.5	303.5
22:31: 2	946.1	223.8	25.5	12.8	20.4	4.4	2.3	3.5	303.4
22:31:29	947.5	211.5	25.7	12.8	20.0	4.4	0.6	3.5	303.5
22:31:56	948.9	198.3	25.8	12.8	19.9	4.3	359.1	3.6	303.4
22:32:24	950.2	185.8	25.9	12.9	20.0	4.4	356.1	3.4	303.4
22:32:51	951.6	172.9	26.0	13.0	20.1	4.4	353.6	3.3	303.4

22:33:19	953.2	158.9	26.1	13.1	19.8	4.4	349.5	3.4	303.4
22:33:46	954.3	148.2	26.3	13.2	19.8	4.4	349.9	3.4	303.5
22:34: 4	955.4	138.1	26.3	13.1	19.6	4.4	348.2	3.4	303.4
22:34:32	956.9	124.3	26.4	13.3	19.7	4.5	344.2	3.3	303.4
22:34:59	958.3	111.9	26.5	13.3	19.7	4.5	341.2	3.4	303.4
22:35:26	959.7	98.7	26.6	13.4	19.9	4.5	339.3	3.5	303.3
22:35:54	961.1	86.3	26.8	13.5	19.9	4.6	337.9	3.6	303.3
22:36:22	962.5	72.6	26.8	13.6	19.9	4.6	335.2	3.6	303.3
22:36:49	964.0	59.7	26.9	13.7	19.9	4.6	328.1	3.3	303.3
22:37:16	965.4	46.2	27.0	13.7	19.9	4.6	327.4	3.2	303.2
22:37:26	965.9	42.0	27.0	13.7	19.9	4.6	324.9	3.0	303.2
22:37:35	966.3	38.2	27.0	13.7	19.9	4.6	324.8	3.0	303.1
22:37:44	966.5	36.2	27.1	13.8	19.9	4.6	323.0	3.0	303.2
22:37:53	967.0	32.5	27.1	13.7	19.8	4.6	325.9	2.8	303.1
22:38: 2	967.4	28.4	27.1	13.8	19.8	4.6	326.6	2.7	303.1
22:38:11	967.8	24.7	27.0	13.8	20.0	4.6	321.9	2.8	303.0
22:38:20	968.3	20.2	27.0	13.8	20.0	4.6	332.5	2.9	303.0
22:38:29	968.7	16.5	27.0	13.7	19.9	4.6	286.8	2.8	302.9
22:38:38	969.2	12.1	27.0	13.8	20.0	4.6	301.0	2.9	302.9
22:38:48	969.5	9.2	27.0	13.8	20.0	4.6	302.2	3.1	302.8
22:38:57	970.1	4.2	27.1	13.8	20.2	4.7	293.8	2.3	302.8
22:39: 6	970.5	-0.1	26.2	13.8	22.6	5.0	263.3	1.7	301.9
22:39:15	970.6	-1.1	24.8	13.5	25.7	5.2	260.2	1.2	300.5
22:39:25	970.6	-0.6	24.0	13.1	26.7	5.1	252.5	1.3	299.7
22:39:34	970.6	-0.3	23.9	12.9	26.4	5.1	254.6	1.2	299.6
22:39:43	970.5	0.4	23.7	12.7	25.9	4.9	261.4	1.6	299.4
22:39:52	970.5	0.4	23.7	12.7	25.5	4.8	267.0	1.4	299.4
22:40: 1	970.6	-1.1	23.8	12.6	24.8	4.7	260.8	1.1	299.5
22:40:10	970.5	0.0	23.8	12.7	25.6	4.9	260.1	0.9	299.5
22:40:19	970.6	-0.5	23.6	12.6	25.6	4.8	248.8	1.0	299.3
22:40:28	970.5	0.2	23.6	12.7	25.7	4.9	256.6	1.4	299.3

July 2-3, 1981: 2331-2353 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
23:30:31	970.5	0.7	22.7	11.6	23.5	4.2	286.5	1.6	298.4
23:30:40	970.2	4.0	24.9	12.3	19.4	4.0	301.7	1.4	300.7
23:30:49	969.9	6.9	25.8	12.8	19.2	4.1	304.1	1.1	301.6
23:30:58	969.3	12.1	26.0	13.1	19.7	4.3	313.0	1.0	301.9
23:31: 7	968.9	15.9	26.3	13.2	19.8	4.4	310.6	1.2	302.1
23:31:16	968.5	19.0	26.4	13.4	20.1	4.5	306.1	1.7	302.3
23:31:25	968.2	22.4	26.4	13.4	20.2	4.5	313.4	1.6	302.3
23:31:35	967.7	26.7	26.4	13.4	20.2	4.5	343.0	1.4	302.3
23:31:44	967.3	29.9	26.4	13.4	20.2	4.5	346.7	1.6	302.4
23:31:53	966.9	34.0	26.4	13.4	20.4	4.5	337.6	1.8	302.4
23:32: 2	966.3	38.9	26.4	13.4	20.3	4.5	355.9	1.7	302.5
23:32:11	966.0	42.3	26.4	13.4	20.5	4.6	353.9	1.7	302.5
23:32:20	965.6	45.8	26.4	13.5	20.5	4.6	357.8	1.7	302.6
23:32:29	965.1	49.9	26.4	13.5	20.5	4.6	0.1	1.9	302.6
23:32:57	963.8	61.8	26.4	13.5	20.7	4.6	9.0	2.2	302.7
23:33:25	962.5	74.3	26.3	13.5	21.2	4.7	6.8	2.1	302.8
23:33:52	961.3	85.1	26.2	13.5	21.2	4.7	11.9	2.3	302.7
23:34:19	960.0	97.0	26.1	13.4	21.4	4.7	10.3	2.3	302.7
23:34:47	958.6	109.5	26.0	13.4	21.4	4.7	6.7	2.2	302.8
23:35:14	957.4	120.9	25.9	13.3	21.4	4.7	5.4	2.2	302.8
23:35:41	956.0	133.5	25.8	13.2	21.6	4.7	10.5	2.4	302.8
23:36: 9	954.8	144.3	25.7	13.2	21.7	4.7	13.0	2.3	302.8
23:36:36	953.5	156.5	25.5	13.1	22.0	4.7	12.4	2.6	302.8
23:37: 4	952.3	167.2	25.4	13.1	22.2	4.7	12.7	2.5	302.8
23:37:31	950.7	181.7	25.3	13.1	22.4	4.8	8.5	2.3	302.8
23:37:49	949.5	192.9	25.2	13.0	22.5	4.8	6.6	2.5	302.8

23:38: 8	948.4	203.0	25.1	13.0	22.7	4.8	6.5	2.5	302.8
23:38:26	947.2	214.5	25.1	13.0	23.0	4.8	4.5	2.5	302.9
23:38:44	946.1	224.9	25.0	12.9	22.9	4.8	2.1	2.5	302.9
23:39: 2	944.8	236.1	24.9	12.8	22.9	4.8	357.5	2.6	302.9
23:39:21	943.7	246.5	24.9	12.8	22.9	4.8	357.6	2.7	303.0
23:39:39	942.6	257.1	24.7	12.7	22.9	4.7	356.7	2.5	302.9
23:39:58	941.5	267.1	24.6	12.7	23.0	4.7	358.4	2.6	302.9
23:40:25	939.9	282.3	24.5	12.6	23.1	4.7	355.8	2.7	303.0
23:40:52	938.2	297.5	24.4	12.5	23.2	4.7	358.1	2.7	303.0
23:41:20	936.7	311.5	24.3	12.4	22.9	4.6	0.5	3.0	303.0
23:41:47	935.2	325.5	24.2	12.3	22.6	4.6	3.7	2.9	303.1
23:43:37	936.3	315.5	24.1	12.2	22.3	4.5	4.6	3.6	302.9
23:44: 4	937.4	305.4	24.2	12.2	22.3	4.5	0.5	3.6	302.9
23:44:32	938.6	293.8	24.2	12.3	22.7	4.6	355.7	3.5	302.8
23:44:59	940.0	281.0	24.4	12.5	23.2	4.7	357.3	3.5	302.8
23:45:26	941.4	268.3	24.4	12.5	22.8	4.6	1.6	3.4	302.7
23:45:54	942.8	254.8	24.5	12.6	22.9	4.7	359.2	3.4	302.7
23:46:31	944.8	236.8	24.6	12.7	22.9	4.7	0.4	3.3	302.6
23:46:49	945.9	226.8	24.7	12.7	22.9	4.7	359.1	3.1	302.6
23:47:16	947.4	212.3	24.7	12.7	22.9	4.7	3.0	3.1	302.5
23:47:34	948.5	202.0	24.8	12.8	22.8	4.7	3.1	2.9	302.5
23:47:53	949.6	192.0	24.8	12.8	22.7	4.7	5.9	2.9	302.4
23:48:11	950.9	180.1	24.8	12.8	22.6	4.7	7.2	2.3	302.3
23:48:38	952.5	165.3	24.6	12.7	22.8	4.7	14.6	2.0	302.0
23:48:57	953.8	153.5	24.6	12.7	22.7	4.6	8.2	1.8	301.8
23:49:15	955.0	142.3	24.6	12.6	22.7	4.6	7.1	1.8	301.7
23:49:33	956.3	131.1	24.6	12.7	22.9	4.6	13.8	1.1	301.6
23:49:52	958.1	114.6	24.7	12.8	22.9	4.7	22.0	1.7	301.5
23:50:19	959.8	98.7	24.9	12.8	22.2	4.6	9.5	1.2	301.6
23:50:37	961.7	81.7	25.0	12.8	22.0	4.5	0.4	1.0	301.5
23:50:56	962.9	70.5	25.1	12.9	21.8	4.5	10.4	1.3	301.5
23:51:41	967.4	29.7	25.0	13.0	22.5	4.6	28.6	-0.1	301.0
23:51:50	968.3	21.7	25.1	13.0	22.3	4.6	101.8	-0.1	301.0
23:51:59	969.2	13.6	25.1	13.0	22.4	4.6	135.5	0.0	300.9
23:52: 8	969.8	7.9	25.0	13.0	22.7	4.7	201.8	0.5	300.8
23:52:18	970.5	2.2	24.9	13.0	22.9	4.7	244.0	0.2	300.6
23:52:27	970.8	-0.8	24.8	12.9	23.0	4.7	244.6	0.7	300.5
23:52:36	970.0	6.3	24.7	13.2	24.5	4.9	241.8	0.2	300.5
23:52:45	970.2	4.8	23.7	12.9	27.0	5.1	241.6	0.1	299.4
23:52:55	970.3	3.4	22.8	12.9	30.1	5.4	243.2	0.4	298.5
23:53: 4	970.2	4.7	22.0	12.4	30.8	5.3	242.8	0.5	297.7
23:53:13	970.2	5.0	21.5	11.9	29.7	4.9	242.5	0.5	297.2

July 2-3, 1981: 2358-0025 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
23:58:14	970.6	0.0	23.8	11.8	20.4	3.9	243.0	0.8	299.5
23:58:23	970.4	1.7	24.5	12.2	20.4	4.0	237.5	0.4	300.2
23:58:32	970.3	3.4	24.7	12.5	21.1	4.2	233.9	0.2	300.4
23:58:41	970.0	5.6	24.8	12.7	21.5	4.4	240.9	0.1	300.6
23:58:50	969.4	10.8	24.9	12.7	21.7	4.4	215.0	-0.1	300.7
23:59: 0	969.0	15.0	25.0	12.9	22.2	4.5	194.3	-0.1	300.8
23:59: 9	968.5	19.4	24.9	12.8	22.3	4.5	135.1	-0.1	300.8
23:59:18	968.0	23.9	24.8	12.8	22.5	4.6	101.1	-0.1	300.7
23:59:27	967.5	28.2	24.9	12.9	22.4	4.6	71.2	-0.1	300.8
23:59:36	966.9	33.3	24.8	12.9	22.8	4.6	1.8	0.0	300.8
23:59:46	966.4	38.0	24.8	12.8	22.2	4.5	325.6	-0.1	300.9
23:59:55	965.8	43.5	25.0	12.9	22.3	4.6	8.7	0.0	301.1
0: 0: 4	965.3	48.2	25.0	12.9	22.4	4.6	8.8	0.1	301.1
0: 0:31	963.8	61.8	24.8	12.9	22.7	4.6	72.6	0.3	301.1
0: 0:49	962.7	71.8	24.8	12.8	22.7	4.6	52.1	0.3	301.2

0: 1:17	961.3	84.8	24.7	12.8	22.9	4.7	58.1	0.3	301.2
0: 1:44	959.9	97.0	24.6	12.8	23.1	4.7	57.3	0.6	301.2
0: 2:11	958.4	110.8	24.5	12.7	23.1	4.7	45.7	0.5	301.3
0: 2:39	957.0	123.3	24.5	12.7	23.1	4.6	33.9	0.5	301.4
0: 3: 7	955.6	136.7	24.4	12.6	23.3	4.7	26.4	0.4	301.4
0: 3:34	954.2	149.1	24.4	12.6	23.3	4.7	22.2	0.5	301.5
0: 4: 1	952.8	162.0	24.3	12.6	23.5	4.7	18.5	0.5	301.6
0: 4:29	951.5	174.1	24.3	12.5	23.2	4.6	23.4	0.8	301.7
0: 5: 5	949.9	188.7	24.5	12.6	23.1	4.7	9.7	2.5	302.0
0: 5:33	948.7	199.7	24.6	12.8	23.7	4.9	11.9	2.8	302.3
0: 6: 0	947.3	212.7	24.6	12.8	23.8	4.9	8.7	2.7	302.4
0: 6:28	946.0	224.8	24.5	12.7	23.6	4.8	2.1	2.6	302.4
0: 6:55	944.6	237.4	24.4	12.7	23.8	4.8	2.2	2.8	302.4
0: 7:23	943.5	248.1	24.3	12.6	23.9	4.8	0.9	2.8	302.5
0: 7:50	942.3	258.7	24.2	12.6	24.0	4.8	357.1	2.8	302.5
0: 8:17	941.0	270.4	24.2	12.6	24.2	4.9	0.7	2.8	302.6
0: 8:45	939.8	281.9	24.2	12.6	24.3	4.9	358.7	2.8	302.7
0: 9:12	938.6	293.0	24.0	12.5	24.3	4.8	355.1	2.8	302.6
0: 9:40	937.4	304.0	24.0	12.5	24.3	4.8	353.0	3.0	302.7
0:12: 6	938.7	292.5	23.9	12.4	24.1	4.8	359.9	3.4	302.5
0:12:43	939.9	280.8	24.0	12.4	24.0	4.8	2.4	3.3	302.5
0:13:19	941.1	269.5	24.0	12.5	24.1	4.8	5.9	3.1	302.4
0:13:56	942.3	258.4	24.1	12.5	23.9	4.8	2.4	3.1	302.4
0:14:32	943.6	246.8	24.2	12.6	23.9	4.8	4.5	3.1	302.4
0:15: 9	944.9	234.6	24.3	12.6	23.8	4.8	6.6	3.0	302.3
0:15:36	946.1	223.7	24.3	12.6	23.7	4.8	11.5	2.8	302.2
0:16:13	947.6	209.6	24.3	12.6	23.8	4.8	18.7	2.8	302.0
0:16:40	948.8	198.6	24.2	12.5	23.6	4.7	21.2	2.6	301.8
0:17: 8	950.3	185.4	24.1	12.6	24.4	4.8	25.0	2.6	301.6
0:17:35	951.8	171.1	24.1	12.6	24.3	4.8	27.8	2.3	301.4
0:17:53	952.9	161.1	24.0	12.6	24.5	4.8	25.7	2.0	301.3
0:18:20	954.6	145.5	24.0	12.6	24.7	4.8	24.9	1.4	301.1
0:18:39	955.8	134.2	24.0	12.7	24.9	4.9	20.0	0.7	301.0
0:18:57	957.4	119.7	24.0	12.6	24.4	4.8	31.7	1.5	300.9
0:19:25	959.0	105.0	24.3	12.8	24.3	4.8	15.1	0.9	301.0
0:19:43	960.9	88.2	24.4	12.8	24.0	4.8	5.9	0.6	300.9
0:20: 1	962.3	75.9	24.4	12.8	24.1	4.8	20.4	0.5	300.9
0:20:38	963.9	61.2	24.6	12.9	23.7	4.8	23.3	0.1	300.9
0:21: 5	965.2	49.6	24.7	13.0	23.8	4.8	20.5	-0.1	300.9
0:21:14	965.6	45.8	24.7	13.0	23.8	4.8	10.4	-0.1	300.8
0:21:23	965.9	42.8	24.6	13.0	24.1	4.9	304.9	-0.1	300.7
0:21:32	966.3	39.6	24.4	12.8	24.0	4.8	278.4	0.0	300.5
0:21:42	966.6	36.6	24.6	12.9	23.5	4.7	246.9	-0.1	300.7
0:21:51	966.9	33.5	24.6	12.9	23.4	4.7	244.1	-0.1	300.7
0:22: 0	967.3	30.0	24.7	13.0	23.5	4.8	244.1	0.0	300.7
0:22: 9	967.6	27.6	24.7	12.9	23.4	4.7	243.3	0.0	300.7
0:22:19	967.8	25.4	24.7	13.0	23.5	4.7	239.1	0.2	300.7
0:22:28	968.0	23.5	24.7	12.9	23.3	4.7	232.1	0.3	300.6
0:22:37	968.3	21.6	24.8	13.0	23.4	4.7	229.7	0.4	300.7
0:22:46	968.6	18.8	24.8	13.0	23.4	4.7	226.0	0.3	300.6
0:22:55	968.8	16.8	24.8	13.0	23.3	4.7	230.2	0.5	300.7
0:23: 4	968.8	16.6	24.8	13.0	23.3	4.7	244.0	0.4	300.7
0:23:13	969.0	14.5	24.9	13.0	23.3	4.7	244.1	0.6	300.7
0:23:22	969.2	13.0	24.8	13.0	23.3	4.7	244.1	0.5	300.7
0:23:31	969.6	9.6	24.8	13.0	23.3	4.7	244.1	0.6	300.6
0:23:41	969.8	7.9	24.9	13.0	23.3	4.7	244.2	0.6	300.6
0:23:50	969.9	7.1	24.9	13.0	23.2	4.7	244.1	0.6	300.7
0:23:59	970.0	6.2	24.9	13.1	23.3	4.7	244.2	0.8	300.7
0:24: 8	970.2	4.1	25.0	13.1	23.2	4.7	244.2	0.7	300.7
0:24:17	970.3	3.5	25.0	13.1	23.2	4.7	243.4	1.1	300.7
0:24:26	970.3	2.9	24.9	13.0	23.1	4.7	244.1	1.3	300.6
0:24:35	970.4	2.3	24.9	13.0	23.1	4.7	241.6	1.3	300.6

0:24:44	970.6	0.2	24.9	13.0	23.3	4.7	244.1	1.7	300.6
0:24:54	970.9	-2.1	24.8	13.0	23.7	4.8	243.9	2.3	300.4
0:25: 3	971.0	-3.6	23.2	12.9	29.2	5.3	244.1	1.5	298.8
0:25:12	970.6	0.4	21.5	12.3	32.7	5.4	244.1	-0.2	297.1
0:25:21	970.5	1.0	20.7	11.9	33.9	5.3	244.0	0.2	296.3
0:25:31	970.0	5.8	20.4	11.6	33.0	5.1	244.0	0.2	296.1
0:25:40	970.0	5.8	20.1	11.3	32.5	5.0	244.8	0.5	295.9
0:25:49	968.8	16.4	20.2	11.3	32.5	5.0	315.4	0.8	296.0
0:25:58	970.2	4.0	20.1	11.3	32.4	4.9	320.1	0.5	295.8

July 2-3, 1981: 0036-0114 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
0:36:58	970.5	0.8	24.3	12.3	21.7	4.3	245.5	0.7	300.0
0:37: 7	970.3	2.6	24.5	12.6	22.0	4.4	254.2	0.7	300.3
0:37:16	970.2	4.1	24.8	12.8	22.2	4.5	244.7	0.6	300.5
0:37:25	969.9	6.2	24.8	12.9	22.5	4.6	247.6	0.4	300.6
0:37:34	969.8	7.1	24.9	13.0	22.7	4.6	256.2	0.4	300.7
0:37:43	969.7	8.1	25.0	13.0	22.9	4.7	256.4	0.3	300.7
0:37:52	969.6	9.3	25.0	13.0	22.8	4.7	316.7	0.2	300.8
0:38: 2	969.3	12.2	25.0	13.1	22.9	4.7	317.7	0.1	300.9
0:38:11	969.1	13.4	25.1	13.1	22.9	4.7	326.0	0.0	300.9
0:38:20	968.8	16.7	25.1	13.1	23.0	4.7	336.8	0.0	300.9
0:38:29	968.7	17.5	25.1	13.2	23.2	4.8	336.6	0.0	301.0
0:38:38	968.5	19.4	25.0	13.1	23.2	4.8	331.8	0.1	300.9
0:38:47	968.3	21.0	25.0	13.1	23.2	4.8	298.3	-0.1	300.9
0:38:56	968.1	22.8	25.0	13.1	23.1	4.7	289.9	0.0	300.9
0:39: 5	967.8	25.3	25.0	13.1	23.2	4.8	299.5	0.1	301.0
0:39:15	967.6	27.1	25.0	13.1	23.1	4.8	292.5	0.1	301.0
0:39:24	967.3	29.6	25.0	13.1	23.1	4.8	300.8	-0.1	301.0
0:39:33	967.2	31.0	25.0	13.2	23.9	4.9	276.3	-0.1	301.0
0:39:42	967.0	33.0	24.7	13.0	23.5	4.7	265.8	-0.1	300.7
0:39:52	966.8	34.8	24.9	13.0	23.1	4.7	262.7	-0.1	300.9
0:40: 1	966.6	35.9	24.9	13.1	23.3	4.8	282.5	-0.1	301.0
0:40:10	966.5	37.6	24.6	13.0	24.4	4.9	358.1	-0.1	300.6
0:40:19	966.3	39.0	24.5	12.9	24.2	4.8	357.9	-0.1	300.5
0:40:28	966.1	41.1	24.7	13.0	23.5	4.8	27.6	-0.1	300.8
0:40:37	965.9	42.2	24.8	13.0	23.3	4.7	23.5	-0.1	300.9
0:40:46	965.8	43.7	24.9	13.0	23.4	4.8	8.7	-0.1	301.0
0:40:55	965.6	45.3	24.9	13.0	23.4	4.8	14.6	-0.1	301.0
0:41: 4	965.5	46.4	24.9	13.1	23.5	4.8	12.8	0.0	301.0
0:41:14	965.3	47.8	24.9	13.1	23.5	4.8	21.2	-0.1	301.0
0:41:23	965.2	48.7	24.8	13.0	23.6	4.8	11.3	-0.1	301.0
0:42:27	964.0	59.6	24.7	13.0	23.6	4.8	22.7	0.1	301.0
0:43:40	962.9	69.9	24.6	12.9	23.9	4.8	20.4	-0.1	301.0
0:44: 7	961.5	82.7	24.5	12.9	24.0	4.8	348.3	0.5	301.0
0:44:26	960.2	94.1	24.5	12.9	24.1	4.8	24.7	0.5	301.1
0:44:44	958.8	107.5	24.4	12.8	24.2	4.8	22.4	0.3	301.1
0:45: 2	957.3	120.3	24.3	12.8	24.3	4.8	295.0	0.7	301.2
0:45:20	955.9	133.4	24.2	12.7	24.3	4.8	352.7	0.9	301.2
0:45:39	954.3	147.8	24.1	12.7	24.5	4.8	340.9	1.1	301.3
0:45:57	952.9	160.6	24.0	12.6	24.5	4.8	3.9	1.5	301.3
0:46:15	951.5	173.4	24.0	12.6	24.6	4.8	358.4	2.1	301.4
0:46:34	950.1	186.4	24.0	12.6	24.5	4.8	356.9	2.5	301.5
0:46:52	948.7	199.3	24.1	12.6	24.1	4.8	359.2	2.6	301.8
0:47:10	947.2	213.1	24.2	12.5	23.4	4.7	358.7	2.6	302.0
0:47:28	945.8	226.3	24.2	12.4	23.0	4.6	356.8	2.6	302.2
0:47:47	944.3	239.9	24.2	12.4	23.3	4.7	353.9	2.6	302.2
0:48: 5	942.7	254.9	24.1	12.6	24.6	4.9	351.2	2.7	302.3
0:48:23	941.2	268.9	24.0	12.6	24.9	5.0	348.7	2.7	302.4
0:48:41	939.7	282.4	24.0	12.6	24.8	4.9	349.5	2.8	302.5

0:49: 0	938.1	297.6	24.0	12.5	24.7	4.9	348.5	2.7	302.6
0:49:18	936.4	313.0	23.9	12.4	24.4	4.9	349.8	2.6	302.7
0:49:37	934.9	327.6	23.9	12.3	24.0	4.8	352.9	2.7	302.8
0:49:55	933.3	341.8	23.7	12.1	23.5	4.6	354.3	2.7	302.8
0:50:13	931.8	355.9	23.8	12.1	23.4	4.6	359.7	2.4	303.0
0:50:31	930.4	369.6	23.7	12.1	23.5	4.6	3.9	2.3	303.1
0:50:50	928.8	383.9	23.7	12.0	23.1	4.6	8.4	2.2	303.2
0:51: 8	927.4	397.8	23.6	12.0	23.2	4.6	17.3	2.3	303.2
0:51:26	926.0	410.9	23.5	11.9	23.4	4.6	20.3	2.4	303.3
0:51:44	924.6	423.6	23.4	11.9	23.7	4.6	20.5	2.3	303.3
0:52: 3	923.2	437.1	23.3	11.9	23.9	4.7	20.9	2.3	303.3
0:52:21	921.9	449.2	23.2	11.7	23.7	4.6	21.1	2.3	303.3
0:55:24	923.4	435.0	23.2	11.7	23.6	4.5	20.5	3.1	303.1
0:55:51	924.5	424.7	23.2	11.7	23.1	4.5	21.4	3.0	303.1
0:56:19	925.6	413.9	23.3	11.7	23.1	4.5	21.6	3.0	303.0
0:56:46	926.7	403.6	23.4	11.7	22.9	4.5	19.0	3.0	303.1
0:57:14	928.0	392.2	23.4	11.8	23.2	4.5	17.3	2.9	303.0
0:57:41	929.1	381.3	23.4	11.8	23.2	4.5	14.4	2.9	302.9
0:58: 8	930.4	369.3	23.5	11.9	23.2	4.5	11.8	3.0	302.9
0:58:36	931.8	356.1	23.5	12.1	23.9	4.7	4.9	3.0	302.7
0:59: 4	933.3	342.7	23.5	12.0	23.9	4.6	0.5	2.9	302.6
0:59:31	934.5	331.3	23.4	12.2	24.9	4.8	352.5	3.0	302.4
0:59:58	935.6	320.4	23.4	12.2	25.3	4.9	352.8	3.0	302.2
1: 0:26	937.1	307.1	23.4	12.3	25.3	4.9	355.7	3.0	302.1
1: 0:53	938.4	295.0	23.5	12.2	24.3	4.7	357.8	2.9	302.1
1: 1:20	939.8	282.2	23.5	12.1	23.6	4.6	359.1	3.0	302.0
1: 1:48	941.3	268.3	23.6	12.1	23.5	4.6	1.6	3.0	302.0
1: 2:16	942.7	254.7	23.7	12.0	23.0	4.5	6.1	2.9	301.9
1: 2:43	944.2	241.5	23.8	12.1	22.8	4.4	11.5	3.0	301.8
1: 3:10	945.6	227.9	23.9	12.1	22.7	4.5	13.3	3.0	301.8
1: 4: 5	948.6	200.6	24.1	12.3	22.4	4.5	16.8	2.9	301.8
1: 4:41	950.7	181.4	24.3	12.4	22.4	4.5	14.8	2.8	301.8
1: 5: 9	952.3	166.8	24.4	12.4	22.3	4.5	13.3	2.7	301.7
1: 5:37	954.0	151.5	24.5	12.5	22.3	4.5	10.8	2.7	301.7
1: 5:55	955.1	141.0	24.6	12.6	22.4	4.5	8.6	2.6	301.7
1: 6:22	956.8	125.7	24.4	12.7	23.6	4.7	4.4	2.3	301.3
1: 6:41	957.9	115.4	24.3	12.8	24.1	4.8	341.4	2.0	301.1
1: 7: 8	959.6	99.9	24.2	12.8	24.5	4.8	329.4	1.4	300.9
1: 7:26	961.0	86.7	24.3	12.8	24.5	4.9	325.6	0.8	300.9
1: 7:44	962.2	76.2	24.4	12.9	24.3	4.8	320.9	1.7	300.8
1: 8: 3	963.5	64.4	24.4	12.9	24.3	4.8	311.4	0.9	300.7
1: 8:21	965.0	51.3	24.3	13.0	25.0	4.9	326.9	0.9	300.5
1: 8:30	965.5	46.7	24.4	12.9	24.4	4.9	323.4	0.8	300.6
1: 8:40	966.3	39.1	24.3	13.0	25.0	4.9	315.4	0.6	300.4
1: 8:49	966.9	33.8	24.4	13.0	25.0	5.0	311.0	0.5	300.4
1: 8:58	967.2	30.7	24.5	13.0	24.5	4.9	292.5	0.5	300.5
1: 9: 7	967.6	27.0	24.5	13.0	24.4	4.9	294.0	0.5	300.5
1: 9:16	967.9	25.0	24.6	13.0	24.3	4.9	290.7	0.6	300.5
1: 9:25	968.2	21.9	24.6	13.0	24.1	4.8	285.2	0.5	300.5
1: 9:34	968.3	21.2	24.6	13.0	24.1	4.8	278.3	0.5	300.6
1: 9:43	968.4	20.1	24.7	13.1	24.2	4.9	284.7	0.4	300.6
1: 9:53	968.6	18.4	24.7	13.1	24.2	4.9	299.3	0.6	300.6
1:10: 2	969.0	15.0	24.7	13.1	24.2	4.9	296.6	0.4	300.5
1:10:11	969.1	13.6	24.7	13.1	24.2	4.9	271.0	0.4	300.6
1:10:20	969.3	12.2	24.8	13.1	24.2	4.9	283.8	0.4	300.6
1:10:29	969.4	10.9	24.8	13.1	24.1	4.9	277.5	0.4	300.6
1:10:38	969.6	9.7	24.8	13.1	24.1	4.9	270.3	0.4	300.6
1:10:47	969.7	8.4	24.7	13.1	24.1	4.9	273.9	0.6	300.5
1:10:56	969.7	8.1	24.8	13.1	24.0	4.9	275.9	0.7	300.6
1:11: 6	969.8	7.5	24.8	13.1	23.9	4.8	268.7	0.6	300.6
1:11:15	969.9	6.9	24.8	13.1	23.9	4.8	270.8	0.9	300.6
1:11:24	969.8	7.3	24.8	13.1	23.8	4.8	266.4	1.0	300.6

1:11:33	970.1	5.1	24.9	13.1	23.8	4.8	262.0	1.0	300.6
1:11:43	970.1	5.2	24.9	13.2	23.8	4.8	261.2	0.9	300.7
1:11:52	970.3	3.2	24.9	13.2	23.9	4.9	257.7	0.9	300.6
1:12: 1	970.3	2.9	24.9	13.2	24.1	4.9	261.8	1.6	300.6
1:12:10	970.2	3.8	24.8	13.2	24.2	4.9	265.7	1.5	300.6
1:12:19	970.4	2.1	24.7	13.2	24.6	4.9	266.4	1.2	300.4
1:12:28	970.4	2.0	24.6	13.1	24.6	4.9	266.1	1.3	300.4
1:12:37	970.5	1.5	24.6	13.1	24.5	4.9	276.4	1.4	300.3
1:12:46	970.6	0.7	24.6	13.1	24.3	4.9	276.6	1.6	300.3
1:12:55	970.6	0.1	24.4	13.1	25.5	5.0	263.0	1.9	300.1
1:13: 5	970.7	-0.5	24.0	13.0	26.0	5.0	259.8	2.0	299.7
1:13:14	970.8	-1.5	22.8	12.8	29.8	5.4	255.4	1.6	298.5
1:13:23	970.9	-2.0	21.9	12.5	32.2	5.4	248.3	0.9	297.5
1:13:32	970.8	-1.5	21.0	12.0	32.7	5.3	248.9	0.8	296.7
1:13:41	970.8	-1.6	20.8	11.8	32.4	5.2	248.0	1.0	296.5
1:13:50	970.9	-2.3	20.6	11.6	32.4	5.1	249.7	0.9	296.3
1:13:59	970.9	-2.1	20.6	11.6	32.5	5.1	249.6	1.1	296.2
1:14: 8	970.7	-0.3	20.7	11.7	32.6	5.1	253.3	1.0	296.4
1:14:18	970.8	-1.4	20.6	11.6	32.0	5.0	248.4	0.8	296.2
1:14:27	970.8	-1.2	20.6	11.7	32.4	5.1	250.7	1.1	296.3

July 2-3, 1981: 0123-0140 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
1:22:10	970.6	0.0	20.7	11.8	33.0	5.2	247.3	0.9	296.4
1:22:19	970.6	0.6	20.6	11.7	33.0	5.2	248.1	1.1	296.3
1:22:29	970.4	1.8	20.7	11.8	33.1	5.2	246.5	0.8	296.4
1:22:38	970.4	2.0	20.6	11.6	32.7	5.1	249.2	0.8	296.2
1:22:47	970.4	1.9	20.6	11.8	33.6	5.3	253.9	0.9	296.3
1:22:56	970.1	4.4	20.7	11.8	32.9	5.2	247.7	0.7	296.4
1:23: 5	970.0	6.1	20.8	11.3	29.6	4.7	253.9	2.0	296.6
1:23:14	969.9	6.3	23.0	12.0	24.8	4.5	265.1	1.9	298.7
1:23:23	969.7	8.4	24.0	12.7	24.6	4.7	268.7	1.6	299.7
1:23:33	969.4	10.8	24.5	13.1	24.8	4.9	277.8	1.6	300.3
1:23:42	969.3	12.3	24.7	13.2	25.0	5.0	280.2	1.7	300.5
1:23:51	969.0	14.6	24.8	13.4	25.3	5.1	281.4	1.3	300.7
1:24: 0	968.8	16.7	24.8	13.4	25.2	5.1	306.1	0.9	300.7
1:24: 9	968.5	19.5	24.9	13.5	25.4	5.2	293.0	1.5	300.8
1:24:19	968.2	22.0	24.9	13.3	24.7	5.0	271.4	1.5	300.8
1:24:28	967.9	24.5	25.0	13.5	25.6	5.2	292.7	1.5	300.9
1:24:46	967.3	30.3	25.0	13.6	25.6	5.3	310.4	1.2	301.0
1:24:55	967.0	33.2	25.0	13.5	25.6	5.3	306.0	1.2	301.0
1:25: 4	966.8	34.5	25.0	13.6	25.6	5.3	311.6	1.3	301.0
1:25:13	966.5	36.9	25.0	13.6	25.7	5.3	309.3	1.5	301.1
1:25:23	966.2	39.7	25.1	13.6	25.7	5.3	318.9	1.6	301.2
1:25:32	966.0	41.6	25.4	13.9	26.2	5.5	318.6	1.2	301.5
1:25:41	965.8	43.3	25.0	13.6	25.8	5.3	309.7	1.2	301.2
1:25:50	965.5	45.9	25.3	13.9	26.3	5.5	323.4	1.1	301.5
1:25:59	965.3	48.1	25.0	13.7	26.0	5.4	324.3	1.1	301.2
1:26: 8	965.2	49.4	25.0	13.6	26.0	5.4	329.8	1.0	301.2
1:26:54	964.0	60.1	25.0	13.6	26.2	5.4	319.3	1.3	301.3
1:27:22	962.8	70.7	24.9	13.6	26.3	5.4	324.8	1.1	301.3
1:27:40	961.7	81.2	24.8	13.6	26.6	5.5	344.6	1.1	301.3
1:28: 7	960.1	95.1	24.9	13.5	25.9	5.3	3 3.9	1.3	301.5
1:28:26	959.0	105.1	24.9	13.5	25.9	5.3	358.6	1.4	301.6
1:28:44	957.9	115.4	24.7	13.4	25.9	5.3	3 5.5	1.5	301.6
1:29:11	956.2	130.7	24.7	13.4	26.2	5.3	0 3.3	1.5	301.7
1:29:30	955.1	141.1	24.6	13.3	26.0	5.3	0 0.9	1.6	301.7
1:29:48	954.0	151.5	24.7	13.3	25.7	5.3	2 3.3	1.6	301.9
1:30: 7	952.9	161.6	24.7	13.3	25.8	5.3	1 6.3	1.6	302.0
1:30:25	951.8	171.6	24.6	13.3	26.3	5.4	1 5.3	1.6	302.0

1:30:52	950.1	186.5	24.6	13.3	25.9	5.3	10.3	1.4	302.1
1:31:10	949.0	197.3	24.5	13.2	26.0	5.3	14.1	1.4	302.1
1:31:29	947.8	207.7	24.5	13.2	26.0	5.3	26.1	1.4	302.3
1:31:56	946.3	222.4	24.5	13.2	26.2	5.3	43.5	1.4	302.4
1:32:14	945.2	232.4	24.5	13.2	26.2	5.3	44.0	1.6	302.4
1:32:33	943.8	244.7	24.4	13.1	26.0	5.3	49.6	1.6	302.5
1:32:51	942.1	260.9	24.3	13.1	26.3	5.3	52.5	1.8	302.6
1:33:10	940.3	277.6	24.1	13.0	26.3	5.3	56.2	2.0	302.6
1:33:28	938.6	293.5	24.1	12.9	26.1	5.2	62.2	2.1	302.7
1:33:46	936.8	310.6	24.0	12.8	26.1	5.2	60.6	2.1	302.7
1:34: 4	935.1	326.0	23.9	12.7	26.2	5.2	59.7	2.2	302.8
1:34:23	933.4	341.5	23.8	12.7	26.3	5.2	63.8	2.3	302.8
1:34:41	931.5	359.9	23.7	12.6	26.5	5.2	69.6	2.1	302.9
1:34:59	929.9	374.7	23.6	12.6	26.5	5.2	63.6	2.3	303.0
1:35:18	928.2	390.3	23.6	12.6	26.6	5.2	56.7	2.2	303.1
1:35:36	926.5	406.2	23.5	12.6	26.7	5.2	52.1	2.2	303.2
1:35:55	924.7	423.3	23.4	12.4	26.8	5.2	47.8	2.3	303.2
1:36:13	923.0	439.5	23.2	12.3	26.9	5.2	51.0	2.3	303.2
1:36:31	921.3	455.2	23.1	12.3	27.3	5.3	33.3	2.2	303.3
1:36:49	919.4	473.3	22.9	12.3	27.6	5.3	27.7	1.8	303.3
1:37: 8	917.7	489.5	22.8	12.2	27.9	5.3	25.8	2.1	303.3
1:37:26	916.1	504.9	22.7	12.2	28.2	5.3	22.1	2.2	303.3
1:37:44	914.5	520.0	22.5	12.1	28.3	5.3	24.9	2.0	303.3
1:38: 2	912.8	536.3	22.4	12.2	29.2	5.4	20.5	2.0	303.4
1:38:21	911.1	551.7	22.3	12.1	29.0	5.4	21.2	2.2	303.5
1:38:39	909.5	567.5	22.2	12.0	29.3	5.4	20.5	2.0	303.4
1:39: 7	907.1	589.9	22.0	12.0	30.1	5.5	18.4	1.8	303.4
1:39:34	904.9	611.5	22.0	11.9	29.5	5.4	21.5	1.8	303.8
1:40:29	903.8	621.8	22.0	11.8	29.1	5.3	20.9	2.4	303.8

July 2-3, 1981: 0207-0234 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
2: 7:12	970.6	0.0	25.0	12.7	21.2	4.3	280.7	1.1	300.7
2: 7:22	970.3	3.0	25.0	12.8	21.4	4.4	276.3	1.0	300.8
2: 7:31	970.2	3.8	25.1	12.9	21.6	4.5	282.1	1.0	300.9
2: 7:40	970.0	5.7	25.2	12.9	21.7	4.5	288.7	1.0	301.0
2: 7:49	969.9	6.6	25.2	13.0	21.7	4.5	290.5	1.1	301.0
2: 7:58	969.7	8.1	25.3	13.0	21.9	4.6	292.5	1.2	301.1
2: 8: 7	969.4	10.5	25.3	13.0	21.8	4.5	298.4	1.1	301.1
2: 8:16	969.2	12.2	25.3	13.0	21.9	4.6	297.3	1.1	301.1
2: 8:25	969.0	14.3	25.3	13.0	21.9	4.6	286.7	1.1	301.2
2: 8:34	968.9	15.1	25.3	13.0	22.0	4.6	303.4	1.1	301.1
2: 8:44	968.8	16.4	25.3	13.0	22.0	4.6	300.4	1.0	301.2
2: 8:53	968.7	17.4	25.3	13.1	22.0	4.6	283.9	1.0	301.2
2: 9: 2	968.4	19.5	25.3	13.0	21.9	4.6	289.4	1.1	301.2
2: 9:11	968.3	20.3	25.3	13.1	22.0	4.6	291.0	1.0	301.2
2: 9:20	968.0	23.2	25.3	13.1	22.1	4.6	305.0	1.0	301.3
2: 9:29	967.9	23.9	25.3	13.1	22.1	4.6	299.2	0.9	301.3
2: 9:38	967.8	25.5	25.3	13.1	22.1	4.6	296.2	0.9	301.3
2: 9:47	967.6	27.0	25.4	13.1	22.1	4.6	299.6	1.0	301.3
2: 9:56	967.5	27.5	25.3	13.0	22.0	4.6	299.3	0.9	301.3
2:10: 5	967.3	30.0	25.3	13.0	22.0	4.6	296.7	0.8	301.3
2:10:15	967.1	31.6	25.3	13.0	21.8	4.6	292.9	0.8	301.4
2:10:24	967.0	32.2	25.3	13.1	21.9	4.6	301.1	0.7	301.4
2:10:33	966.8	34.2	25.4	13.1	21.9	4.6	299.3	0.6	301.4
2:10:42	966.8	34.2	25.4	13.1	21.8	4.6	296.0	0.7	301.4
2:10:51	966.5	37.0	25.4	13.1	21.8	4.6	299.5	0.7	301.4
2:11: 1	966.6	36.2	25.4	13.0	21.8	4.6	301.9	0.6	301.4
2:11:10	966.2	39.4	25.3	13.0	21.7	4.6	297.0	0.7	301.4
2:11:19	966.0	42.0	25.3	13.0	21.7	4.6	300.4	0.6	301.4

2:11:28	966.0	42.0	25.3	13.0	21.8	4.6	295.8	0.6	301.4
2:11:37	965.7	44.3	25.3	13.0	21.8	4.6	295.5	0.5	301.5
2:11:55	965.4	47.3	25.3	13.0	21.7	4.6	297.9	0.6	301.5
2:12:23	964.2	57.9	25.3	13.0	21.7	4.5	287.8	0.2	301.5
2:12:50	962.8	70.3	25.2	12.9	21.5	4.5	299.2	0.0	301.6
2:13:17	961.5	82.2	25.1	12.8	21.6	4.5	318.4	0.0	301.6
2:13:45	960.2	94.5	25.0	12.8	21.9	4.5	305.6	-0.1	301.6
2:14:12	958.9	106.5	24.9	12.8	22.1	4.6	341.3	-0.1	301.7
2:14:40	957.7	117.4	24.8	12.7	22.3	4.6	26.8	0.1	301.7
2:15:7	956.2	130.5	24.7	12.8	22.9	4.7	21.2	-0.1	301.7
2:15:34	954.9	142.9	24.6	12.7	22.8	4.6	45.6	-0.1	301.7
2:16:2	953.4	156.0	24.6	13.0	24.3	5.0	72.1	0.8	301.9
2:16:20	952.0	169.7	24.6	13.2	25.2	5.2	65.2	1.2	302.0
2:16:38	950.4	183.9	24.7	13.0	24.5	5.0	70.9	1.3	302.2
2:16:47	949.3	194.1	24.7	13.0	24.0	4.9	74.0	1.3	302.4
2:17:5	947.8	207.7	24.6	12.6	22.8	4.7	72.4	1.4	302.3
2:17:24	946.2	222.3	24.6	12.5	22.2	4.5	81.2	1.4	302.5
2:17:42	944.5	238.2	24.6	12.4	21.8	4.5	83.7	1.6	302.7
2:18:1	942.9	253.1	24.5	12.2	21.0	4.3	77.8	1.5	302.7
2:18:19	941.3	268.4	24.4	12.1	20.7	4.2	71.4	1.5	302.7
2:18:37	939.6	284.0	24.3	12.1	21.2	4.3	69.0	1.6	302.8
2:18:55	937.9	299.7	24.1	11.9	21.1	4.2	64.7	1.7	302.8
2:19:22	935.6	321.3	24.0	11.9	21.4	4.3	64.3	1.8	302.9
2:19:41	934.1	335.2	23.9	11.8	21.5	4.3	64.2	1.7	302.9
2:19:59	932.5	350.3	23.8	11.8	21.7	4.3	60.9	1.8	302.9
2:20:17	931.2	362.1	23.6	11.8	22.2	4.4	60.6	2.2	302.9
2:23:2	932.4	350.9	23.6	11.6	21.2	4.2	58.2	2.4	302.8
2:23:29	933.8	337.6	23.7	11.7	21.5	4.2	60.0	2.3	302.7
2:23:56	935.3	323.6	23.8	11.8	21.5	4.2	61.0	2.1	302.6
2:24:24	936.9	309.2	23.8	11.8	21.2	4.2	62.0	1.9	302.6
2:24:42	938.0	298.7	23.9	11.8	21.1	4.2	64.7	1.9	302.6
2:25:0	939.1	288.4	23.7	11.6	20.6	4.0	65.1	1.9	302.2
2:25:28	940.7	273.4	24.1	11.9	20.7	4.1	68.0	1.9	302.5
2:25:55	942.4	257.6	24.3	12.0	20.6	4.2	73.4	1.7	302.5
2:26:22	944.2	241.6	24.3	12.0	20.7	4.2	75.8	1.6	302.4
2:26:41	945.5	229.4	24.4	12.1	20.6	4.2	76.8	1.5	302.3
2:26:50	947.2	213.5	24.4	12.1	20.7	4.2	76.1	1.6	302.2
2:27:26	948.9	197.6	24.5	12.4	21.6	4.4	73.1	1.5	302.2
2:27:44	950.4	183.9	24.5	12.6	22.4	4.6	66.1	1.4	302.1
2:28:3	952.0	169.8	24.5	13.0	24.8	5.0	62.4	1.5	301.9
2:28:21	953.3	157.7	24.5	13.2	26.1	5.3	67.5	1.3	301.8
2:28:40	955.2	140.5	24.3	13.0	25.4	5.1	104.3	0.6	301.4
2:28:58	956.7	126.2	24.3	12.9	25.2	5.0	100.3	0.4	301.2
2:29:16	958.5	109.9	24.6	13.1	24.8	5.0	74.9	0.3	301.4
2:29:34	960.4	92.7	24.7	13.1	24.8	5.0	81.1	0.0	301.3
2:29:52	962.1	77.5	24.8	13.1	24.2	4.9	21.8	0.1	301.2
2:30:20	963.6	63.1	25.2	13.2	23.5	4.9	33.5	0.0	301.5
2:30:47	965.1	49.7	25.3	13.2	23.0	4.8	16.0	0.0	301.5
2:30:56	965.6	45.4	25.4	13.3	23.1	4.8	21.3	-0.1	301.5
2:31:5	966.0	42.0	25.4	13.3	23.1	4.8	14.9	-0.1	301.5
2:31:14	966.2	39.5	25.4	13.3	23.1	4.9	8.7	-0.1	301.5
2:31:24	966.6	36.1	25.4	13.3	23.0	4.9	21.2	-0.1	301.5
2:31:33	967.0	32.5	25.5	13.4	23.0	4.9	347.0	0.0	301.5
2:31:42	967.3	29.6	25.5	13.3	22.7	4.8	342.5	0.2	301.5
2:31:51	967.7	26.7	25.5	13.3	22.5	4.8	326.4	0.1	301.5
2:32:0	968.1	22.4	25.6	13.3	22.3	4.7	324.5	0.3	301.5
2:32:10	968.3	20.6	25.6	13.3	22.2	4.7	304.9	0.4	301.5
2:32:19	968.6	18.1	25.6	13.3	22.3	4.7	312.8	0.1	301.5
2:32:28	968.8	16.7	25.6	13.4	22.5	4.8	282.2	0.0	301.5
2:32:37	969.1	13.7	25.6	13.4	22.5	4.8	266.5	0.1	301.5
2:32:46	969.5	10.5	25.6	13.4	22.7	4.8	269.0	0.4	301.4
2:32:55	969.7	7.8	25.6	13.4	22.9	4.9	270.1	0.4	301.3

2:33: 4	969.9	6.2	25.5	13.5	23.2	4.9	250.8	0.7	301.3
2:33:13	970.1	4.7	25.5	13.5	23.5	5.0	244.3	1.0	301.3
2:33:32	970.6	0.4	24.0	13.5	28.9	5.6	243.9	1.9	299.7
2:33:41	969.7	8.0	22.4	13.0	32.9	5.8	244.5	0.0	298.1
2:33:50	970.1	4.4	21.3	12.5	34.6	5.7	244.1	-0.1	297.0
2:34: 8	970.6	0.3	20.9	12.0	33.3	5.3	244.5	0.0	296.6
2:34:17	970.6	0.4	20.8	11.9	33.2	5.3	244.2	0.0	296.5
2:34:26	970.8	-1.2	20.8	11.9	32.9	5.2	244.1	-0.1	296.4

July 2-3, 1981: 0239-0303 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
2:38:40	970.6	-1.0	20.0	11.3	33.2	5.0	243.8	0.0	295.7
2:38:49	970.0	4.9	20.1	11.4	33.2	5.1	243.9	-0.1	295.8
2:38:58	970.0	5.1	20.0	11.1	31.7	4.8	242.7	1.4	295.7
2:39: 7	969.7	7.5	21.4	10.9	24.5	4.0	244.0	1.7	297.2
2:39:16	969.5	9.3	23.2	11.8	22.6	4.2	236.1	1.1	299.0
2:39:35	969.2	12.0	24.5	12.6	22.6	4.5	244.0	0.8	300.3
2:39:44	969.1	12.8	24.7	12.8	22.5	4.5	244.2	0.1	300.6
2:39:53	969.0	13.8	25.0	13.0	22.8	4.7	244.2	0.2	300.8
2:40: 2	968.9	14.4	25.1	13.1	22.7	4.7	236.9	-0.1	300.9
2:40:11	968.8	15.9	25.2	13.2	22.8	4.7	210.6	0.0	301.1
2:40:20	968.6	17.4	25.3	13.2	23.0	4.8	199.4	-0.1	301.1
2:40:29	968.4	18.8	25.3	13.3	23.1	4.8	182.3	-0.1	301.2
2:40:38	968.3	20.3	25.3	13.3	23.2	4.9	159.6	0.0	301.2
2:40:48	968.2	20.9	25.3	13.3	23.1	4.8	136.9	0.1	301.2
2:40:57	968.0	22.5	25.3	13.3	23.3	4.9	109.1	0.0	301.2
2:41: 6	967.9	23.3	25.3	13.3	23.2	4.9	92.8	-0.1	301.3
2:41:24	967.7	25.9	25.3	13.4	23.5	4.9	98.2	0.1	301.3
2:41:34	967.5	27.7	25.4	13.4	23.7	5.0	93.6	0.2	301.3
2:41:43	967.3	29.4	25.4	13.4	23.7	5.0	106.9	0.3	301.4
2:41:52	967.3	29.2	25.3	13.5	23.9	5.0	90.8	0.2	301.3
2:42: 1	967.1	31.1	25.4	13.5	24.0	5.0	95.4	0.3	301.4
2:42:10	967.0	32.2	25.3	13.5	24.0	5.0	97.6	0.2	301.4
2:42:19	966.8	33.9	25.3	13.4	23.9	5.0	98.4	0.2	301.4
2:42:28	966.7	34.8	25.4	13.4	23.7	5.0	101.1	0.4	301.4
2:42:37	966.6	35.8	25.3	13.4	23.4	4.9	108.1	0.5	301.4
2:42:46	966.4	37.3	25.3	13.3	23.3	4.9	99.9	0.4	301.4
2:42:56	966.3	38.0	25.3	13.4	23.5	4.9	107.0	0.5	301.4
2:43: 5	966.3	38.0	25.3	13.4	23.6	4.9	93.2	0.6	301.4
2:43:14	966.1	40.2	25.3	13.4	23.6	4.9	103.0	0.6	301.4
2:43:23	965.9	41.8	25.3	13.4	23.8	5.0	91.6	0.4	301.4
2:43:32	965.8	42.4	25.3	13.4	23.7	5.0	95.5	0.6	301.4
2:43:41	965.6	44.2	25.3	13.4	23.8	5.0	96.9	0.6	301.4
2:43:50	965.5	45.3	25.3	13.4	23.8	5.0	91.5	0.7	301.4
2:43:59	965.4	46.1	25.3	13.4	23.7	5.0	92.9	0.7	301.4
2:44: 8	965.4	46.5	25.3	13.3	23.7	4.9	87.3	0.7	301.4
2:44:18	965.2	48.5	25.2	13.3	23.8	5.0	84.4	0.6	301.4
2:44:27	965.0	49.7	25.2	13.3	23.8	4.9	88.8	0.5	301.4
2:45:31	963.9	59.8	25.1	13.4	24.2	5.0	104.3	0.9	301.5
2:45:49	962.3	74.3	25.1	13.3	24.2	5.0	94.6	0.6	301.5
2:46: 7	960.9	87.5	25.0	13.3	24.5	5.1	86.8	0.6	301.5
2:46:26	959.4	100.8	24.9	13.2	24.4	5.0	109.0	0.5	301.6
2:46:44	957.7	116.3	24.8	13.2	24.6	5.0	70.0	0.7	301.7
2:47: 2	955.9	132.4	24.6	13.1	24.9	5.1	66.8	0.5	301.6
2:47:20	954.2	148.6	24.5	13.0	25.0	5.0	61.4	0.6	301.6
2:47:38	952.3	165.4	24.3	12.9	25.1	5.0	42.6	0.6	301.7
2:47:57	950.4	183.5	24.1	12.9	25.7	5.1	65.0	0.6	301.6
2:48:15	948.5	200.7	24.0	12.9	26.4	5.2	71.9	0.7	301.6
2:48:34	946.5	218.8	23.8	12.9	26.8	5.2	54.2	0.7	301.7
2:48:52	944.5	237.7	23.8	12.9	27.3	5.3	73.4	0.8	301.8

2:49:10	942.7	254.4	23.8	12.9	27.2	5.3	58.3	0.9	302.0
2:49:28	940.7	272.5	23.9	12.9	26.7	5.3	37.5	0.9	302.3
2:49:46	938.7	291.1	24.0	12.9	26.4	5.3	40.8	0.9	302.5
2:50: 5	936.7	309.7	23.9	12.5	24.8	4.9	41.9	0.9	302.7
2:50:23	934.8	327.3	23.8	12.1	22.9	4.5	39.2	0.9	302.7
2:50:41	932.9	345.5	23.8	12.0	22.4	4.4	42.0	1.0	302.9
2:52:49	934.2	333.3	23.6	11.8	22.5	4.4	35.0	1.3	302.6
2:53: 7	935.5	321.4	23.6	11.9	22.3	4.4	37.2	1.2	302.5
2:53:26	936.6	310.4	23.6	12.1	23.5	4.6	38.8	0.9	302.4
2:53:44	938.0	297.6	23.5	12.3	25.2	4.9	27.8	0.6	302.2
2:54: 2	939.4	285.0	23.6	12.6	26.7	5.2	47.0	1.0	302.1
2:54:29	941.0	270.4	23.8	12.8	26.7	5.3	45.9	1.5	302.2
2:54:57	942.6	255.2	23.8	12.8	26.7	5.2	34.2	0.9	302.0
2:55:25	944.6	236.5	23.5	12.8	27.8	5.3	60.9	0.2	301.5
2:55:43	946.0	223.4	23.4	12.5	26.3	5.0	13.3	0.4	301.3
2:56: 1	947.5	210.4	23.5	12.4	25.7	4.9	28.9	0.6	301.2
2:56:19	949.0	196.5	23.4	12.4	25.8	4.9	32.2	0.4	301.1
2:56:37	950.4	183.7	23.4	12.4	25.8	4.9	49.0	0.3	300.9
2:56:56	951.8	170.2	23.5	12.5	25.8	4.9	62.0	0.5	300.8
2:57:14	953.5	155.4	23.5	12.4	25.3	4.8	50.4	0.4	300.8
2:57:32	955.0	141.7	23.6	12.5	25.5	4.9	34.9	0.3	300.7
2:57:50	956.6	126.7	23.9	12.6	24.5	4.8	73.4	0.8	300.9
2:58: 9	958.0	114.4	23.9	12.6	24.9	4.8	48.8	0.9	300.7
2:58:27	959.3	102.5	23.8	12.7	25.8	5.0	46.8	-0.1	300.5
2:58:55	961.4	83.0	24.0	12.8	25.5	4.9	125.3	0.7	300.5
2:59:13	962.5	72.8	24.0	12.8	25.4	5.0	110.3	0.6	300.5
2:59:31	963.9	60.5	24.0	12.8	25.1	4.9	89.7	1.1	300.3
2:59:49	965.3	48.3	24.3	12.9	24.6	4.9	111.0	0.9	300.5
2:59:58	966.0	41.2	24.2	12.8	24.5	4.8	152.5	0.9	300.3
3: 0: 7	966.5	36.6	24.6	12.9	23.5	4.7	103.7	0.5	300.6
3: 0:17	966.6	35.7	24.8	13.0	23.3	4.7	138.5	0.7	300.8
3: 0:26	966.8	34.3	24.8	13.0	23.5	4.8	143.3	0.8	300.9
3: 0:35	967.2	30.6	24.9	13.1	23.6	4.8	180.7	0.4	300.9
3: 0:44	967.4	28.7	24.9	13.1	23.5	4.8	163.6	0.9	300.9
3: 0:53	967.6	27.2	24.9	13.1	23.5	4.8	135.3	0.7	300.9
3: 1: 2	967.8	25.0	24.9	13.1	23.8	4.9	172.5	0.4	300.8
3: 1:11	968.2	21.9	24.8	13.1	23.8	4.8	163.6	0.8	300.8
3: 1:20	968.4	19.5	24.8	13.1	23.8	4.8	182.5	0.7	300.7
3: 1:29	968.7	17.3	24.9	13.1	23.8	4.8	204.2	0.7	300.8
3: 1:39	968.9	15.2	24.8	13.1	23.9	4.9	200.7	0.9	300.7
3: 1:48	969.1	13.6	24.9	13.1	23.8	4.8	200.3	1.3	300.7
3: 1:57	969.4	11.0	24.8	13.3	24.7	5.0	214.1	1.9	300.6
3: 2: 6	969.6	9.3	24.3	13.0	25.3	5.0	222.8	2.3	300.1
3: 2:15	969.7	8.3	23.7	12.9	26.7	5.1	222.3	1.9	299.5
3: 2:25	969.9	6.4	22.6	12.8	31.0	5.5	229.2	1.7	298.3
3: 2:34	969.5	9.7	21.4	12.5	34.1	5.6	235.8	0.6	297.1
3: 2:43	969.6	9.2	20.9	12.0	33.5	5.4	234.7	0.9	296.7
3: 2:52	969.4	10.9	20.6	11.8	33.3	5.2	239.4	0.9	296.4
3: 3: 1	969.6	9.2	20.5	11.6	32.8	5.1	241.5	0.8	296.3
3: 3:10	969.8	7.0	20.7	11.6	31.8	5.0	241.4	0.8	296.4
3: 3:19	969.7	8.3	20.6	11.6	31.9	5.0	233.9	1.2	296.4

July 2-3, 1981: 0311-0328 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
3:10:54	970.6	-1.4	20.0	10.8	30.1	4.6	211.9	0.6	295.7
3:11: 4	970.3	1.4	21.0	11.3	28.2	4.5	212.4	1.5	296.7
3:11:13	970.3	1.6	21.9	11.4	25.4	4.3	182.9	0.6	297.6
3:11:22	970.2	2.3	22.7	11.7	24.1	4.3	166.8	1.2	298.4
3:11:31	969.8	5.5	23.0	11.9	24.1	4.4	184.1	1.4	298.8
3:11:40	969.6	7.2	23.2	12.1	24.1	4.4	151.9	1.1	299.0
3:11:49	969.2	10.8	23.4	12.3	24.3	4.5	158.1	1.3	299.2
3:11:58	969.1	11.9	23.5	12.3	24.3	4.5	142.3	1.0	299.3
3:12: 7	968.7	15.8	23.5	12.3	24.6	4.6	153.9	1.4	299.3
3:12:17	968.4	18.3	23.5	12.4	24.8	4.6	142.9	1.0	299.4
3:12:26	968.1	20.9	23.5	12.4	24.8	4.7	152.5	1.1	299.5
3:12:35	967.8	23.2	23.5	12.4	24.9	4.7	151.3	1.1	299.5
3:12:44	967.5	26.4	23.5	12.4	25.0	4.7	145.4	0.9	299.5
3:12:53	967.3	28.3	23.5	12.4	24.8	4.6	151.3	0.9	299.5
3:13: 2	967.0	31.3	23.5	12.4	24.9	4.7	146.8	1.0	299.5
3:13:11	966.5	35.5	23.6	12.4	24.8	4.7	150.4	1.0	299.6
3:13:20	965.9	40.4	23.6	12.5	24.9	4.7	160.0	0.8	299.7
3:13:29	965.5	44.3	23.6	12.4	24.6	4.7	169.3	0.7	299.8
3:13:39	965.1	47.8	23.8	12.5	24.4	4.7	172.6	0.6	300.0
3:14: 6	963.7	60.4	24.0	12.6	24.1	4.7	180.0	0.3	300.4
3:14:34	962.3	73.2	24.2	12.6	23.9	4.7	188.4	0.1	300.6
3:15: 1	960.9	85.7	24.2	12.7	24.0	4.7	189.2	0.0	300.7
3:15:28	959.6	97.8	24.1	12.6	24.0	4.7	215.5	0.0	300.8
3:15:56	958.2	110.4	24.0	12.6	24.4	4.7	240.2	0.0	300.7
3:16:23	956.8	123.3	24.1	12.6	24.4	4.8	244.7	-0.1	301.0
3:16:51	955.4	135.9	24.1	12.7	24.5	4.8	248.3	0.0	301.1
3:17:18	954.2	147.3	24.0	12.6	24.8	4.9	279.1	-0.1	301.1
3:17:46	952.8	159.7	23.9	12.6	25.0	4.9	281.1	0.0	301.2
3:18:13	951.4	172.5	23.8	12.6	25.3	4.9	274.0	0.0	301.2
3:18:40	949.9	186.0	23.8	12.6	25.8	5.0	283.2	0.0	301.3
3:19: 8	948.5	198.8	23.6	12.6	25.9	5.0	271.1	0.0	301.3
3:19:35	947.1	212.1	23.6	12.9	27.7	5.3	350.5	0.0	301.4
3:20: 3	945.7	225.0	23.8	13.0	27.9	5.4	63.1	0.2	301.7
3:20:30	944.3	238.0	23.7	13.0	28.0	5.5	81.6	0.3	301.8
3:20:58	942.9	250.5	23.7	12.9	27.6	5.4	76.9	0.5	301.9
3:21:25	941.7	262.1	23.7	13.0	27.7	5.4	71.3	0.5	302.0
3:21:53	940.4	273.6	23.7	12.9	27.8	5.4	73.7	0.5	302.1
3:22:20	939.1	286.0	23.6	12.9	27.8	5.4	70.2	0.5	302.2
3:22:47	937.8	298.4	23.6	12.8	27.7	5.4	65.7	0.6	302.2
3:23:15	936.3	312.2	23.5	12.8	27.8	5.4	61.6	0.7	302.3
3:23:43	934.9	324.8	23.5	12.8	27.7	5.4	68.7	0.7	302.4
3:24: 1	933.7	336.3	23.4	12.7	27.7	5.4	70.4	0.9	302.5
3:24:19	932.2	349.9	23.3	12.6	27.9	5.4	72.5	1.0	302.5
3:24:37	930.6	364.9	23.2	12.5	27.7	5.3	69.9	0.9	302.5
3:24:56	929.3	377.5	23.1	12.5	27.6	5.3	64.7	1.0	302.5
3:25:14	927.4	395.5	23.0	12.4	27.9	5.3	67.0	0.9	302.6
3:25:32	925.4	414.1	23.0	12.5	28.1	5.4	66.9	0.9	302.8
3:25:41	924.2	425.6	23.0	12.4	28.3	5.4	64.9	0.9	302.9
3:25:50	922.4	442.5	22.9	12.4	28.4	5.4	66.7	0.9	303.0
3:26: 0	919.4	470.3	22.8	12.4	28.7	5.4	66.4	0.9	303.1
3:26: 9	916.8	494.6	22.8	12.4	28.8	5.5	66.6	0.9	303.4
3:26:18	914.8	514.5	22.7	12.3	28.8	5.5	70.5	0.9	303.5
3:26:27	912.9	531.7	22.6	12.3	28.9	5.5	73.8	0.9	303.6
3:26:46	911.0	550.6	22.4	12.1	28.9	5.4	75.0	0.9	303.5
3:27: 4	908.9	570.5	22.5	12.3	29.4	5.5	77.9	0.8	303.9
3:27:13	907.8	580.5	22.4	12.2	29.1	5.5	78.5	0.8	303.9
3:27:50	906.8	590.7	22.4	12.0	28.9	5.4	81.1	0.7	303.9

July 2-3, 1981: 0353-0407 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
3:52:59	970.4	0.1	22.2	0.0	26.6	4.6	246.6	1.3	297.9
3:53:27	969.9	4.8	22.1	0.0	26.3	4.5	283.5	1.6	297.9
3:53:55	969.6	7.7	23.0	0.0	24.0	4.4	244.0	1.2	298.8
3:54:22	969.2	11.2	24.2	0.0	23.2	4.5	246.6	1.5	300.1
3:54:49	968.8	14.6	24.1	0.0	23.7	4.6	244.1	1.0	299.9
3:55:17	968.4	18.9	24.4	0.0	23.3	4.6	209.9	2.0	300.3
3:55:44	968.1	21.3	24.3	0.0	23.3	4.6	246.9	2.2	300.2
3:56:11	967.6	25.5	24.6	0.0	22.3	4.5	256.5	1.7	300.6
3:56:39	967.4	27.8	24.8	0.0	22.5	4.6	244.1	1.0	300.8
3:57: 7	967.1	30.3	24.8	0.0	23.6	4.8	246.0	0.7	300.8
3:57:34	966.7	33.7	24.7	0.0	23.6	4.8	230.7	1.4	300.7
3:58: 1	966.5	35.5	24.8	0.0	23.3	4.7	262.1	1.7	300.9
3:58:29	966.0	40.4	24.9	0.0	22.5	4.6	253.5	2.6	301.1
3:58:56	965.7	42.4	24.7	0.0	23.2	4.7	244.2	0.6	300.8
3:59:24	965.5	45.1	24.8	0.0	23.4	4.8	244.3	1.4	301.0
3:59:51	965.2	47.2	24.8	0.0	23.6	4.8	221.5	1.4	301.0
4: 0:46	963.5	62.6	24.7	0.0	22.9	4.6	242.4	0.9	301.0
4: 1:14	960.9	86.6	24.8	0.0	23.8	4.9	244.0	0.3	301.3
4: 1:41	958.4	109.1	24.3	0.0	25.3	5.0	111.9	0.6	301.1
4: 2:18	955.7	133.5	24.1	0.0	24.8	4.9	160.9	0.7	301.1
4: 2:36	953.1	157.4	24.0	0.0	25.8	5.1	34.6	0.6	301.2
4: 3: 4	950.2	183.8	24.1	0.0	26.4	5.2	222.6	0.8	301.6
4: 3:31	947.9	205.5	24.0	0.0	27.3	5.4	221.6	0.0	301.7
4: 3:58	950.9	177.6	23.6	0.0	29.1	5.6	229.7	0.1	301.1
4: 4:26	953.8	151.1	23.8	0.0	28.4	5.5	231.7	0.4	301.0
4: 4:53	956.8	123.8	23.6	0.0	27.6	5.3	214.0	0.2	300.5
4: 5:20	960.3	91.7	23.6	0.0	26.0	4.9	71.7	0.6	300.2
4: 5:48	963.9	59.3	24.2	0.0	24.6	4.8	244.7	1.0	300.5
4: 6:16	967.3	28.8	24.4	0.0	23.5	4.7	380.5	0.6	300.4
4: 6:43	970.6	-1.3	24.8	0.0	24.5	5.0	245.4	1.9	300.5
4: 7:10	970.7	-1.9	22.2	0.0	28.6	4.9	271.0	0.9	297.9
4: 7:41	970.3	1.7	21.6	0.0	30.1	5.0	290.1	0.6	297.3

October 16, 1981: 1958-2032 PST

TIME	P(MB)	H(M)	T(C)	TW(C)	RH(%)	MR(G/KG)	WD(DEG)	WS(M/S)	P.T.(K)
19:58:40	975.9	1.7	17.6	0.0	40.6	5.2	212.9	5.0	292.8
19:59: 8	975.4	6.6	18.5	0.0	39.2	5.4	243.8	5.1	293.7
19:59:35	974.8	11.1	18.7	0.0	38.8	5.4	244.1	4.9	294.0
20: 0: 2	974.0	18.4	18.6	0.0	39.3	5.4	243.3	5.0	293.0
20: 0:30	973.3	24.2	18.5	0.0	39.4	5.4	238.1	4.6	293.9
20: 0:58	972.6	30.4	18.7	0.0	38.4	5.3	244.1	4.2	294.2
20: 1:25	971.9	37.3	18.9	0.0	38.8	5.5	244.2	4.7	294.5
20: 1:52	971.1	43.9	18.9	0.0	38.7	5.5	239.3	4.2	294.5
20: 2:47	969.7	56.1	19.3	0.0	37.2	5.4	262.1	4.8	295.0
20: 3:43	968.3	69.0	18.9	0.0	39.2	5.5	251.1	4.1	294.7
20: 4:37	967.1	79.4	19.4	0.0	37.3	5.4	266.2	5.0	295.3
20: 5:32	965.4	95.0	19.2	0.0	37.8	5.5	278.0	4.9	295.4
20: 6:28	963.9	108.2	19.2	0.0	38.1	5.5	276.1	4.7	295.4
20: 7:22	962.3	121.9	18.9	0.0	38.3	5.5	274.8	4.9	295.3
20: 8:17	960.8	135.9	19.0	0.0	38.2	5.5	289.8	4.5	295.5
20: 9:13	958.6	154.9	18.8	0.0	38.6	5.5	284.7	4.3	295.5
20: 9:40	957.1	168.5	18.8	0.0	38.8	5.5	291.9	4.5	295.6
20:10: 7	955.8	180.2	18.7	0.0	29.1	5.5	293.7	4.2	295.6
20:11: 2	953.4	201.6	18.5	0.0	29.7	5.6	294.7	4.8	295.6
20:11:30	951.9	215.1	18.1	0.0	40.6	5.6	277.3	3.1	295.4
20:12:25	949.3	238.3	18.2	0.0	39.7	5.5	315.7	3.7	295.7
20:12:52	947.5	255.0	18.0	0.0	40.8	5.6	343.6	3.7	295.7
20:13:20	944.8	279.1	17.6	0.0	41.4	5.6	345.4	2.9	295.5
20:13:47	942.3	301.7	17.6	0.0	41.5	5.5	333.2	1.7	295.7
20:14:15	940.4	319.1	17.5	0.0	41.9	5.6	342.0	2.2	295.8
20:14:42	938.8	334.1	17.3	0.0	42.9	5.6	353.9	2.0	295.7
20:15:37	937.0	349.9	16.9	0.0	43.6	5.6	345.1	1.5	295.4
20:17:55	935.1	367.4	16.9	0.0	42.4	5.5	322.8	3.8	295.6
20:18:22	933.9	378.2	17.0	0.0	40.1	5.2	319.2	4.6	295.9
20:19:17	930.3	411.4	16.6	0.0	42.4	5.4	325.6	4.1	295.8
20:20:40	929.0	423.2	16.2	0.0	43.7	5.4	318.8	2.7	295.5
20:21:35	930.3	410.9	16.1	0.0	44.4	5.5	333.8	3.3	295.3
20:22: 2	932.0	395.4	16.0	0.0	44.3	5.4	360.1	3.3	295.1
20:22:30	934.2	375.9	16.4	0.0	42.5	5.3	330.8	3.0	295.2
20:22:58	935.9	360.1	16.7	0.0	41.6	5.3	323.2	3.7	295.3
20:23:25	937.7	343.3	16.8	0.0	40.9	5.2	320.2	3.1	295.3
20:23:52	939.5	327.5	16.7	0.0	42.2	5.4	313.5	3.0	295.1
20:24:20	941.5	308.9	16.7	0.0	43.3	5.5	328.5	2.0	294.9
20:24:47	943.8	288.5	16.9	0.0	43.0	5.5	318.0	1.9	294.9
20:25:15	946.0	268.9	16.9	0.0	43.1	5.5	321.8	2.6	294.7
20:25:43	948.3	247.7	16.9	0.0	43.0	5.5	327.2	2.6	294.5
20:26:10	950.6	227.6	17.0	0.0	43.0	5.5	302.7	2.2	294.4
20:26:38	952.9	206.7	17.1	0.0	43.0	5.5	337.7	1.9	294.3
20:27: 5	955.2	185.9	17.1	0.0	43.8	5.6	348.9	1.4	294.0
20:27:32	957.7	164.0	17.1	0.0	44.2	5.6	303.3	0.9	293.8
20:28: 0	960.1	142.8	17.1	0.0	44.2	5.6	356.9	2.3	293.7
20:28:28	962.6	120.8	17.0	0.0	44.5	5.6	365.9	2.2	293.3
20:28:55	964.9	100.3	17.0	0.0	44.1	5.5	363.2	1.7	293.1
20:29:23	967.2	79.7	17.1	0.0	44.2	5.6	355.9	1.9	293.0
20:29:50	969.5	59.6	17.1	0.0	44.2	5.6	357.6	1.7	292.8
20:30:18	971.7	40.2	17.1	0.0	44.3	5.6	373.8	1.7	292.7
20:30:45	973.7	22.8	17.1	0.0	44.5	5.6	306.3	1.6	292.4
20:31:13	975.0	11.5	17.5	0.0	42.8	5.5	322.9	1.1	292.7
20:31:40	976.1	2.1	17.5	0.0	43.3	5.6	326.8	0.9	292.7
20:32: 8	976.4	-0.6	16.4	0.0	52.0	6.2	277.7	0.7	291.5

October 16, 1981: 2054-2111 PST

<u>TIME</u>	<u>P(MB)</u>	<u>H(M)</u>	<u>T(C)</u>	<u>TW(C)</u>	<u>RH(%)</u>	<u>MR(G/KG)</u>	<u>WD(DEG)</u>	<u>WS(M/S)</u>	<u>P.T.(K)</u>
20:54: 6	977.3	-4.3	13.2	0.0	52.5	5.1	281.1	1.3	288.2
20:54:34	976.7	0.6	15.7	0.0	42.3	4.8	323.4	1.4	290.8
20:55: 1	976.3	4.7	16.5	0.0	42.8	5.2	336.2	1.0	291.7
20:55:29	975.7	9.9	16.8	0.0	43.4	5.3	330.1	0.8	292.0
20:55:56	975.2	14.0	16.8	0.0	44.3	5.5	328.6	0.9	292.1
20:56:23	974.7	18.2	16.9	0.0	44.2	5.5	335.0	0.8	292.2
20:56:51	973.8	25.9	17.0	0.0	44.2	5.5	348.8	0.7	292.3
20:57:19	972.9	34.2	17.0	0.0	43.9	5.5	350.4	0.7	292.4
20:57:46	971.7	44.4	17.1	0.0	43.6	5.5	357.9	0.8	292.6
20:58:41	969.6	62.7	17.0	0.0	43.8	5.5	371.4	0.6	292.7
20:59:36	967.4	82.2	16.8	0.0	44.5	5.5	371.1	1.0	292.7
21: 0:31	965.3	101.1	16.6	0.0	44.8	5.5	359.5	0.9	292.7
21: 0:59	964.1	111.6	16.7	0.0	43.6	5.4	365.3	1.0	292.9
21: 1:53	961.9	130.6	17.3	0.0	41.6	5.4	331.4	2.4	293.7
21: 2:49	960.0	148.2	17.2	0.0	42.2	5.4	341.2	2.6	293.8
21: 3:44	957.7	168.4	17.1	0.0	42.6	5.4	312.9	2.5	293.8
21: 4:11	956.4	180.0	16.9	0.0	43.4	5.5	321.1	2.1	293.7
21: 5: 6	954.4	197.8	16.7	0.0	43.6	5.4	340.7	2.3	293.7
21: 6: 1	952.4	215.8	16.6	0.0	43.4	5.4	332.1	2.7	293.8
21: 6:56	950.6	231.8	16.4	0.0	43.6	5.4	331.7	2.6	293.8
21: 7:23	949.2	244.5	16.2	0.0	44.9	5.5	338.2	2.5	293.7
21: 7:51	947.7	257.2	16.0	0.0	45.4	5.5	339.9	1.9	293.6
21: 8:46	945.7	275.6	15.9	0.0	45.1	5.4	335.7	2.8	293.7
21: 9:41	944.0	291.1	15.7	0.0	45.4	5.4	338.3	3.8	293.6
21:10:36	942.0	308.9	15.7	0.0	45.1	5.4	335.6	3.3	293.9
21:11:31	940.8	219.2	15.3	0.0	46.4	5.4	342.2	3.7	293.5
21:11:58	940.3	324.1	15.2	0.0	46.8	5.4	355.2	3.6	293.4

VI. Telemetry Data

The wind speed and direction data from the Hanford Telemetry Network are listed below for the four cases. For each hour the data for all working stations are reported as: wind direction (deg); wind speed (mph). The data are hourly averages for the hour ending at the time indicated.

June 19-20, 1980 (Days 171-172)

<u>Station</u>	<u>1600</u>	<u>1700</u>	<u>1800</u>	<u>1900</u>	<u>2000</u>	<u>2100</u>	<u>2200</u>
1	106;5	112;5	22;5	359;5	353;5	329;4	317;6
2	47;3	91;3	66;4	354;4	272;6	281;7	287;7
3	139;4	26;3	74;2	67;1	353;3	285;3	265;5
4	154;4	138;4	69;3	21;4	351;6	291;5	270;8
5	114;4	134;3	126;1	150;1	346;2	336;3	320;3
6	111;2	84;2	65;1	41;1	23;0	24;1	27;1
8	105;5	139;4	150;3	119;2	41;4	39;5	326;5
9	81;4	86;5	80;3	354;2	332;3	2;4	349;2
11	102;6	59;3	75;2	31;3	10;3	240;1	304;4
14	157;9	165;9	175;7	193;6	201;4	188;4	173;4
15	142;3	146;2	18;2	317;3	352;4	11;4	32;8
20	13;6	28;4	358;4	352;6	5;7	19;12	0;9
<u>Station</u>	<u>2300</u>	<u>0000</u>	<u>0100</u>	<u>0200</u>	<u>0300</u>	<u>0400</u>	<u>0500</u>
1	345;6	326;7	333;6	341;5	339;7	287;4	292;3
2	283;7	283;7	281;5	278;5	278;6	294;7	298;7
3	303;3	289;5	283;5	291;5	303;5	308;5	281;4
4	264;9	263;8	269;8	263;9	265;8	275;8	273;10
5	226;1	288;4	305;5	245;0	290;1	237;0	265;1
6	268;2	304;2	305;4	264;5	303;5	293;7	289;7
8	303;5	307;1	102;6	341;4	305;5	305;3	264;5
9	318;4	307;3	268;2	298;5	328;5	338;4	328;2
11	261;4	323;4	330;2	341;7	340;8	304;3	294;5
14	203;5	197;5	195;4	197;4	203;5	197;5	192;5
15	43;9	59;10	48;6	39;6	14;5	351;5	5;6
20	8;6	32;11	28;9	9;4	1;5	6;7	11;9

July 1-2, 1980 (Days 183-184)

<u>Station</u>	<u>1600</u>	<u>1700</u>	<u>1800</u>	<u>1900</u>	<u>2000</u>	<u>2100</u>	<u>2200</u>
2	-----	87;3	144;8	148;6	201;5	206;6	211;8
3	135;6	143;6	153;6	140;11	162;10	177;7	182;4
4	98;5	75;8	82;9	96;9	80;4	310;4	272;7
5	39;5	352;5	87;6	87;5	124;5	190;1	210;1
6	22;2	67;4	78;6	95;7	96;5	124;4	136;1
8	143;5	134;5	99;4	104;4	103;5	79;5	48;3
9	55;6	65;8	89;8	120;7	127;3	73;2	210;2
14	91;4	95;5	100;6	107;6	147;5	161;5	183;5
15	10;5	62;5	93;5	124;4	101;4	72;5	76;6
20	289;5	318;3	119;5	143;7	165;7	198;9	219;13
<u>Station</u>	<u>2300</u>	<u>0000</u>	<u>0100</u>	<u>0200</u>	<u>0300</u>	<u>0400</u>	<u>0500</u>
2	222;8	234;7	216;3	233;4	261;6	304;5	296;5
3	210;6	221;5	205;5	169;5	225;4	209;6	205;4
4	277;7	301;6	276;7	271;7	312;6	303;6	287;7
5	253;1	279;1	173;1	211;1	304;2	234;0	145;2
6	268;2	296;2	263;2	117;5	270;3	291;2	279;4
8	40;3	0;2	69;3	306;4	51;3	321;3	300;4
9	259;3	325;6	115;4	316;3	72;3	323;4	92;3
14	167;5	176;5	178;5	186;5	152;6	186;6	179;6
15	73;5	48;3	149;4	112;2	104;4	98;5	218;2
20	235;18	238;19	242;18	239;21	242;16	274;9	282;11

July 2-3, 1981 (Days 183-184)

<u>Station</u>	<u>1600</u>	<u>1700</u>	<u>1800</u>	<u>1900</u>	<u>2000</u>	<u>2100</u>	<u>2200</u>
1	82;3	126;4	179;3	227;1	169;2	317;6	350;5
2	24;5	16;5	12;5	139;5	276;9	278;9	277;7
3	356;4	14;4	332;4	337;4	316;5	293;5	305;6
4	344;6	8;6	341;6	344;7	319;7	254;9	249;10
5	83;3	304;3	313;4	315;7	323;5	310;7	288;4
6	11;4	27;3	356;4	340;6	311;5	292;6	276;4
7	328;5	333;5	354;5	325;6	302;6	294;5	302;6
8	104;6	119;5	93;5	98;3	60;3	352;5	334;4
9	257;3	256;3	253;2	249;2	248;2	132;2	226;1
10	278;2	292;2	290;3	298;3	286;3	272;5	262;6
11	24;4	29;4	27;6	24;5	201;3	323;3	345;6
12	318;4	314;3	278;3	299;5	306;8	275;7	289;6
13	311;4	298;3	341;5	283;4	293;4	296;3	-----
14	52;4	18;4	14;3	5;3	328;4	320;4	329;3
15	321;7	327;6	341;6	356;4	21;3	355;4	331;4
16	28;6	13;6	340;8	329;9	310;8	320;10	356;7
18	13;5	102;4	127;5	178;3	193;3	291;4	266;4
20	46;11	48;9	39;9	72;6	20;4	211;2	214;2

<u>Station</u>	<u>2300</u>	<u>0000</u>	<u>0100</u>	<u>0200</u>	<u>0300</u>	<u>0400</u>	<u>0500</u>
1	333;5	331;3	288;2	275;1	303;2	350;3	347;6
2	279;8	282;7	270;3	266;3	247;3	286;2	317;4
3	317;6	301;4	151;1	259;3	343;3	317;1	295;3
4	250;11	245;11	241;12	249;8	246;12	246;7	222;3
5	136;3	144;3	180;3	191;4	152;2	290;3	187;2
6	269;5	270;5	163;4	210;4	217;1	205;1	140;3
7	303;4	313;7	254;3	224;5	290;3	354;4	254;2
8	328;3	281;3	69;4	73;5	86;4	300;3	64;4
9	263;5	263;6	257;3	252;2	253;2	186;1	134;1
10	264;6	263;6	255;4	264;5	274;7	34;2	257;3
11	213;3	235;3	256;2	245;2	221;2	158;5	130;4
12	299;5	158;1	248;3	199;4	115;2	246;3	258;3
13	237;3	212;2	181;2	256;1	320;1	187;2	236;1
14	54;4	42;4	25;3	75;3	155;1	157;1	338;1
15	28;7	31;6	54;4	162;5	129;5	124;7	133;6
16	345;4	142;2	122;6	187;4	205;6	157;3	200;4
18	253;3	250;3	293;4	313;2	206;3	152;3	146;2
20	213;2	212;2	214;2	215;2	217;1	225;1	224;4

October 16-17, 1981 (Days 289-290)

<u>Station</u>	<u>1400</u>	<u>1500</u>	<u>1600</u>	<u>1700</u>	<u>1800</u>	<u>1900</u>	<u>2000</u>
1	169;6	159;6	163;6	173;5	188;4	308;4	309;4
2	218;12	296;5	253;5	249;4	278;7	296;9	295;7
3	93;6	87;9	105;10	131;6	294;3	311;6	318;3
4	91;3	54;3	60;2	251;4	299;6	236;5	248;10
5	84;6	88;7	104;7	110;5	125;3	311;5	313;1
6	117;4	107;4	120;6	123;5	334;4	304;7	272;6
7	110;2	76;3	83;3	34;4	328;6	296;6	321;3
8	108;4	98;3	89;3	67;3	328;3	321;3	10;2
9	92;2	92;2	94;2	-----	92;1	284;1	306;0
11	155;5	161;5	137;7	144;5	142;5	143;3	221;1
13	114;3	0;6	5;5	1;4	332;4	309;3	268;2
14	63;2	60;2	158;6	152;6	165;4	214;6	223;6
15	180;5	177;4	142;6	144;6	148;5	203;4	186;4
16	170;6	101;4	116;6	137;5	159;8	342;10	336;4
18	126;5	132;5	134;5	184;4	180;3	279;2	230;3
20	233;13	231;10	227;7	235;6	285;7	313;10	276;10

<u>Station</u>	<u>2100</u>	<u>2200</u>	<u>2300</u>	<u>0000</u>	<u>0100</u>	<u>0200</u>	<u>0300</u>
1	1;2	285;2	33;2	344;4	341;7	353;6	3;3
2	306;3	308;7	314;11	319;11	308;10	312;10	330;9
3	297;4	325;3	326;4	27;3	24;3	304;2	326;4
4	250;6	247;5	246;7	254;4	249;5	244;4	191;3
5	304;3	254;1	303;2	291;3	155;1	291;2	14;1
6	305;4	272;2	299;4	298;5	221;4	284;3	280;4
7	324;3	215;3	350;3	348;5	198;2	341;2	4;1
8	292;7	269;5	219;2	135;3	286;2	298;4	330;4
9	325;1	51;1	54;1	80;3	322;1	50;1	77;1
11	131;2	258;2	242;2	332;4	298;2	311;2	338;3
13	56;1	223;2	304;2	249;1	272;2	315;1	263;1
14	176;3	159;4	160;3	-----	313;1	320;2	336;2
15	144;4	228;3	217;2	-----	330;2	32;6	40;9
16	359;5	332;3	336;5	-----	41;6	27;5	261;2
18	120;2	218;2	11;3	-----	301;3	335;3	253;2
20	328;13	341;16	354;18	358;17	2;15	8;21	11;20

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