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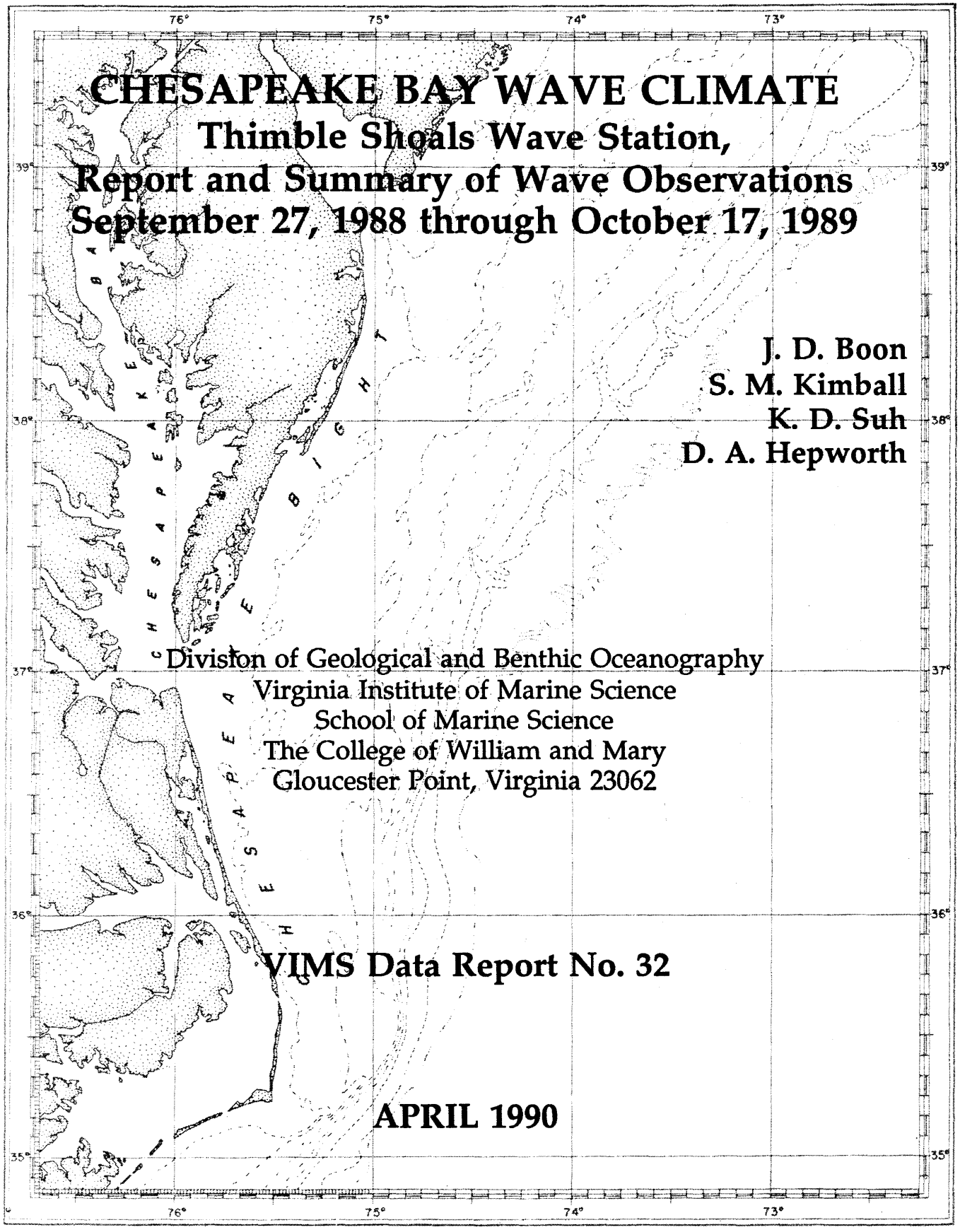

CHESAPEAKE BAY WAVE CLIMATE

Thimble Shoals Wave Station, Report and Summary of Wave Observations September 27, 1988 through October 17, 1989

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VIMS Data Report No. 32

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CHESAPEAKE BAY WAVE CLIMATE

Thimble Shoals Wave Station,

Report and Summary of Wave Observations

September 27, 1988 through October 17, 1989

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I. INTRODUCTION

The Virginia Institute of Marine Science, in cooperation with the Virginia Department of Conservation and Recreation, Division of Soil and Water Conservation, has identified as one of its major goals the systematic study of hydrodynamic processes that affect recreational, shoreline and benthic resources in the coastal zone of the Commonwealth. In pursuit of that goal, a long-term study of the wave climate in the Virginia portion of Chesapeake Bay was initiated in 1988 with support from the National Oceanographic and Atmospheric Administration through the Coastal Zone Management Program administered by the Virginia Council on the Environment (**Grant No. NA88AA-D-CZ092**).

Past knowledge of wave properties in the Chesapeake Bay region has been conspicuous in its lack of an observational basis. Although inner shelf and deep water wave measurements have been made outside the Chesapeake Bay entrance, none of these have produced reliable directional information (Seymour et al., 1985). Therefore, before addressing certain long-term wave monitoring objectives, it was deemed essential to develop a basis for them by obtaining a representative (year-long) series of wave observations at one or more selected locations. The first of these has recently been completed for a station designated as VIMS BAY1 located near Thimble Shoals to the west of the Chesapeake Bay entrance (Fig. 1). This report contains a summary of data for the initial year of continuous directional wave measurements made at the Thimble Shoals station.

II. WAVE GAGE IN SITU DESCRIPTION

For the period September 27, 1988, to October 17, 1989, a bottom-mounted wave gage was maintained at latitude 37^0 2.4'N, longitude 76^0 12.5'W at a mean depth of approximately 6.7 meters (22 feet) below mean sea level. Wave data were sensed and recorded by a Sea Data Model 635-9RS directional wave gage with Paroscientific high-precision quartz pressure transducer, Digicourse internal compass, and Marsh-McBirney remote 2-axis electromagnetic flow sensor with 4-cm diameter sphere. The flow sensor was co-located with (20 cm below) the pressure (P) sensor and oriented to obtain measures of the horizontal flow (UV) components at a height of 1.5 meters above the bottom. All components of the wave gage were attached to an aluminum tetrapod (Fig. 2) that was retrieved and re-deployed at monthly intervals using an acoustic recall system to permit data recovery and servicing. Divers inspected the tetrapod when deployed and verified its orientation on the flat and essentially featureless sand bottom of the location.

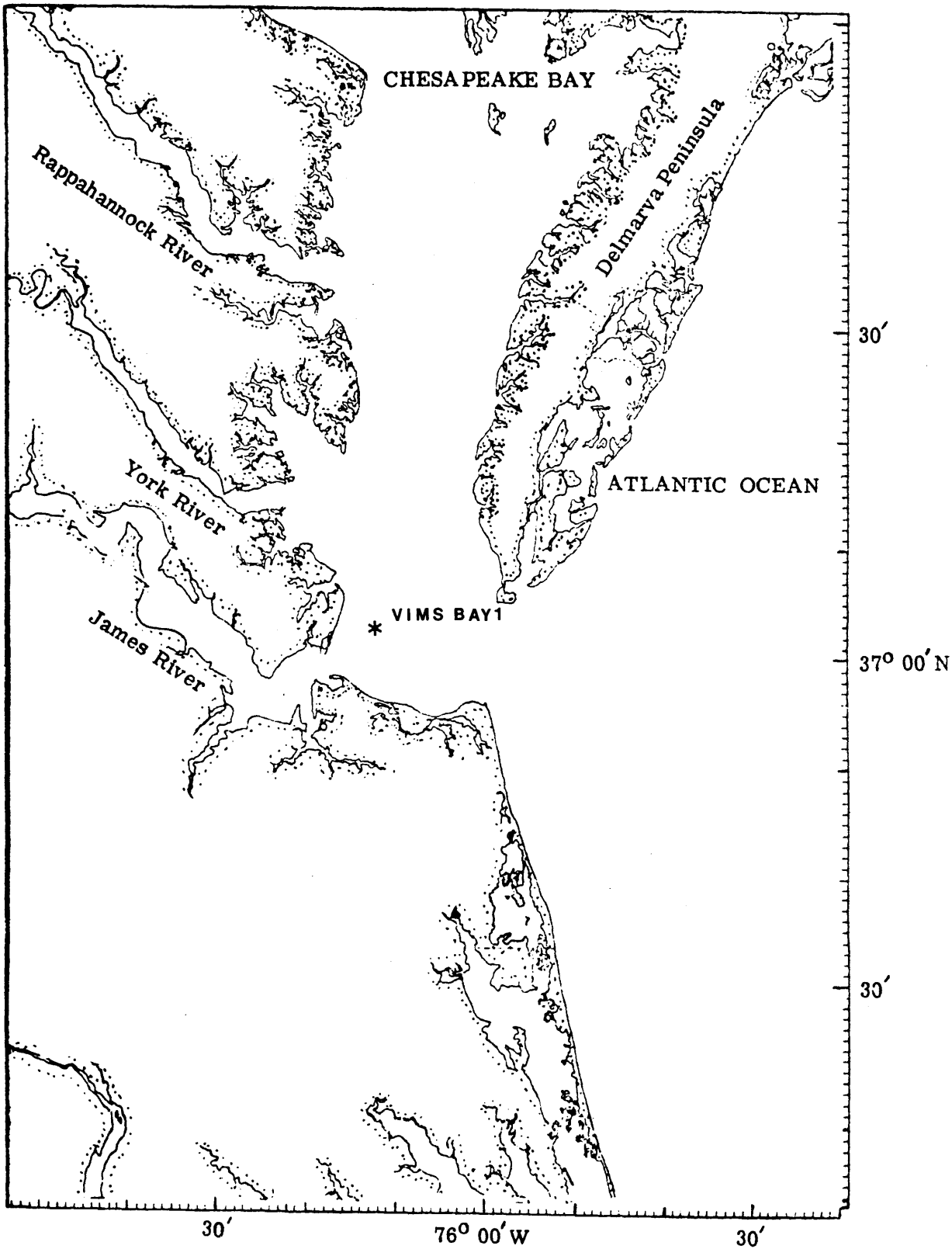

Figure 1. Location of VIMS BAY1 Wave Gage Station in lower Chesapeake Bay.

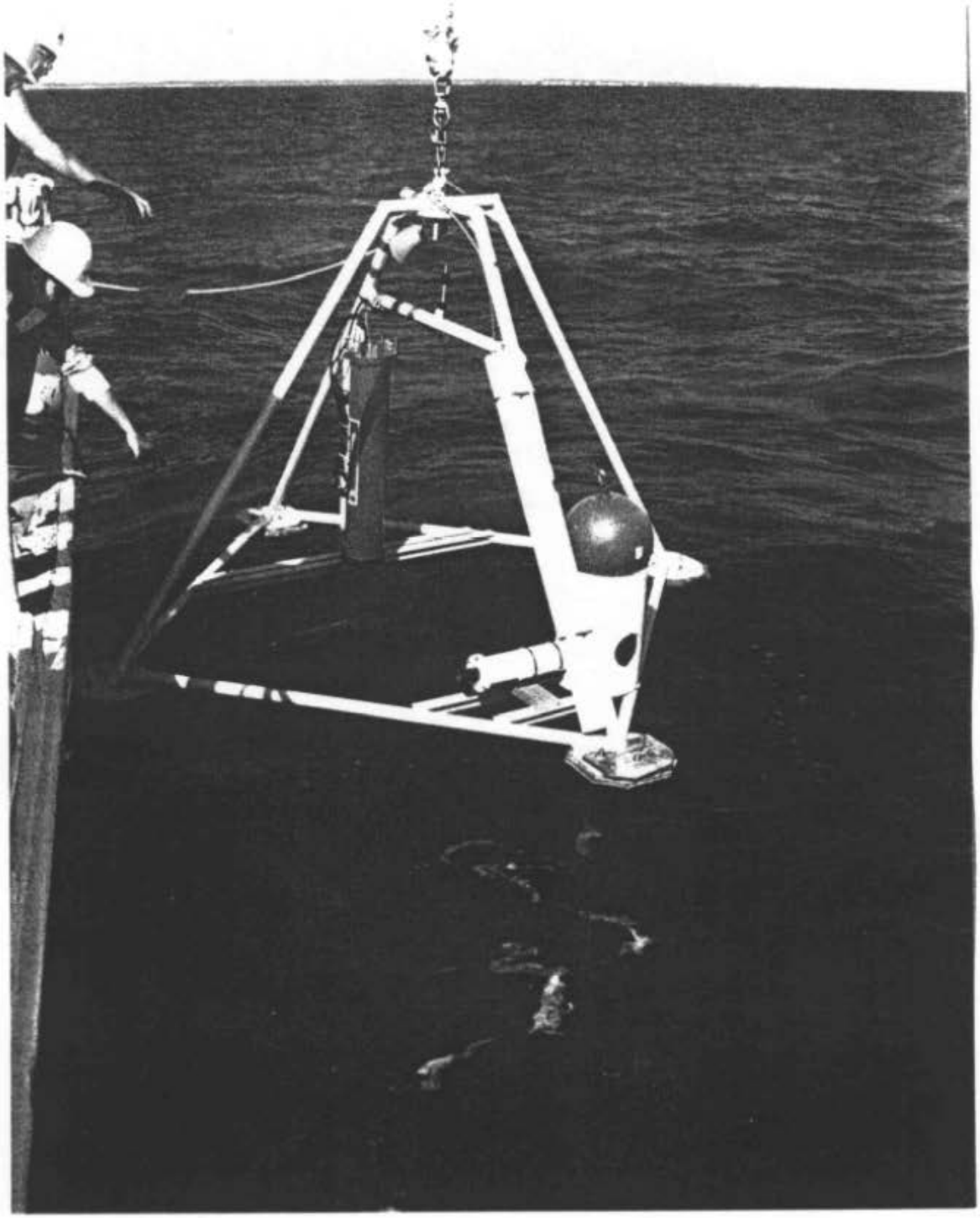

Figure 2. Sea Data Model 635-9RS Directional Wave Gage mounted on weighted aluminum tetrapod.

III. DATA SAMPLING AND ANALYSIS

The wave sampling and analysis performed during this study serves two purposes. Firstly, a set of standard wave summary parameters were obtained for long-term statistical characterizations of the wave climate at the Thimble Shoals site. Most of the parameters we have selected for this purpose follow accepted international definitions as given by the Permanent International Association of Navigational Congresses ("PIANC", 1973) and the IAHR Working Group on Wave Generation and Analysis ("IAHR", 1989). Secondly, a detailed analysis of specific physical processes that occur under extreme wave conditions is needed for the selection of engineering design criteria appropriate to individual storm events. The latter purpose requires the analysis of directional wave spectra, a procedure that provides information particularly useful whenever bimodal ("primary" and "secondary") peaks in wave energy density are encountered at different frequencies and directions, a not uncommon situation at Thimble Shoals. This level of detail is less well suited to the routine calculation of summary parameters.

III.a. Standard Wave Summary Parameters

A 1024-point series of simultaneous pressure (P) and horizontal velocity (UV) measurements, interleaved with 128 compass (C) readings, was "burst-sampled" once every three hours (8 bursts per day) at a sampling rate of 2 Hz (0.5-sec sampling interval). Each PUV8C burst recorded on magnetic tape was later processed and edited in the laboratory to extract a set of wave statistical parameters placed in a data base record representing that burst. The parameters, listed separately in Table 1 under Section V. Data Base Organization, are defined in the following paragraphs.

Prior to wave analysis, the pressure readings in each burst were detrended and reduced to zero-mean value before conversion to a depth-frequency corrected sea level (CSL) series using the local frequency approximation method of Nielsen (1986, 1989) in combination with linear wave theory. After recording the **burst-mean depth** (surface to bottom), the **average zero-crossing wave period (Tz)**, and the **zero-moment wave height (Hmo)** were determined from the fluctuating (zero-mean) CSL series. Tz is defined as the average of the zero-crossing interval as obtained by dividing the series duration by the number of times the water elevation crosses the mean level in one direction (upcrossing in our analyses). The Hmo wave height is defined as four times the standard deviation (square root of the variance) of the series and is considered equivalent to the significant wave height (Hs) .

Vector-averaged **mean current speed (MC SPD) and mean current direction (MC DIR)** were calculated from the compass-corrected UV horizontal velocity components in each burst, further corrected to

indicate direction relative to true north. After removing the burst-mean U and V components, the resulting UV wave orbital velocities were also depth-frequency adjusted by the method noted above and then used to determine a **principal wave direction (WavDIR)** through resolution of the principal axis of the adjusted velocity components. This parameter is not based on presently accepted international definitions but is used because a standard definition for wave direction based on time-domain calculations is now lacking. Definition of the principal wave direction (WavDIR) assumes that 1) monochromatic waves of sufficient amplitude for a given depth and frequency will induce bottom orbital motion in vertical planes parallel to the direction of wave advance and 2) a principal component of motion can be resolved whenever mixed wave frequencies, amplitudes and directions occur that vary within certain limits.

The principal axis (principal component) is defined, using eigenvector methods, as the axis of maximum variance among rotated coordinate axes containing the projected orbital velocity components and the contribution these components make to the total variance. The variance contributed along a given directional axis is a function of both wave frequency and amplitude so that the WavDIR parameter tends to favor higher frequencies as well as higher amplitudes in mixed wave fields. The 180-degree directional ambiguity associated with a line axis is resolved by assuming progressive linear wave motion and correlating the projected orbital velocity on that axis with fluctuating sea level.

An index of directional strength associated with the WavDIR parameter is provided by a **reduction-in-variance (Rvar)** parameter expressing the fraction of total variance in U and V orbital velocity accounted for by projection onto the principal axis. An Rvar value of 1.0 indicates bidirectional motion confined to a single axis and a unidirectional wave advance regardless of wave frequency. However, as this fraction approaches 0.5, it indicates that no axis accounts for more variance than any other and principal wave direction is then undefined. A comparison of the WavDIR parameter with wave directional spectra illustrating mixed wave frequencies is presented in Section VI.b. Extreme Waves.

Spectral methods were employed to determine the **peak spectral wave period (Tp)** associated with the peak spectral energy density in each CSL series. Many of these spectra showing energy density as a function of frequency contained multiple peaks; in each case the highest peak was used to find Tp as the reciprocal of the peak frequency. The **percent of wave energy (%E)** occurring in each of five spectral bands marked by four selected wave periods (>12s, 12-8s, 8-6s, 6-4s, and <4s) provides a general indication of the wave energy distribution for each burst. These percentages were determined by summing the energy density within each of the spectral bands.

III.b. Directional Wave Spectra

Ordinary spectral analysis determines the distribution of variance per unit frequency, or energy density, as a function of frequency. Both wave variance and wave energy are proportional to the wave height squared. Directional spectra provide distribution of wave variance as a function of both frequency (f) and direction (θ) and a directional spectrum, $E(f,\theta)$, exists, that may be integrated over a range of frequencies and directions to yield the variance in that range. Integrating $E(f,\theta)$ over all directions yields the ordinary frequency spectrum, E(f). Calculation of a non-negative directional wave spectrum is commonly achieved using a truncated Fourier series (Longuet-Higgins et al., 1963) of the form

$$E(f,\theta) = a_o + \frac{2}{3}(a_1\cos\theta + b_1\sin\theta) + \frac{1}{6}(a_2 cos2\theta + b_2 sin2\theta)$$

where the five frequency-dependent Fourier coefficients are determined in terms of the auto- and cross-spectra between various pairings of the CSL, U, and V time series obtained from a PUV wave burst. The mathematical expressions for these can be found in Dean and Dalrymple (1984). The directional Fourier coefficients can also be used in the calculation of a mean direction and the directional spread that characterizes the broadness of the spectrum in direction at a specific frequency:

$$mean\ direction = \tan^{-1}(b_1/a_1)$$

$$directional\ spread = \left[2-2\frac{(a_1^2+b_1^2)^{1/2}}{a_0}\right]^{1/2}$$

When the above computations are performed for a single burst, a set of mean directions and associated spreading values arranged symmetrically about each mean are obtained, that corresponds to a set of frequency intervals or bands. The variance in each frequency band can be distributed across direction using the mean and spreading values as weighting funtions, the result being a grid of variance estimates within row-and-column cells that correspond to intervals of frequency and direction. These gridded values can be contoured on frequency and direction diagrams, like elevations on an X-Y plane coordinate map, to reveal spectral energy peaks marked by coordinates of wave frequency and direction. Examples of this

type of diagram are presented in Section VI.b. Extreme Waves.

When the auto- and cross-spectra are calculated, the raw (or unsmoothed) estimates of the spectra fluctuate about their true values with 100 percent standard error. More stable and smoother spectral estimates could be obtained by applying ensemble- and frequency-averaging. First, the 1024 data points were processed in three segments of 512 points per segment. These segments overlap by 50 percent for smoother and more statistically significant spectral estimates. The raw spectra from each segment were then ensemble-averaged. Further smoothing was made by computing a running average over five neighboring frequency bands. Through these averaging processes, the number of degrees of freedom was increased from 2 to 20 and consequently the standard error decreases from 100 percent to 32 percent.

IV. DATA EDITING

Preliminary editing of the processed data was performed prior to determination of wave parameters. The chief problem encountered in the use of a PUV-type directional wave gage concerns the "cleanliness" of the velocity signal. Although electromagnetic velocity sensors contain no moving parts, they are much more sensitive to biofouling effects than pressure sensors. In addition, pressure-based measurements contain only the fluctuations induced by wave motion whereas velocity measurements contain these fluctuations as well as turbulent fluctuations caused by sheared tidal flows and bottom boundary layer effects. Since the frequencies of the wave orbital and bottom turbulence motions often overlap, conventional filtering techniques cannot be applied to separate them. Large "spikes" in the UV signal are particularly deleterious to wave directional estimates but these usually can be detected and removed if not excessively numerous (Seymour et al., 1985).

We used a combination of differencing (local curvature) and departure (local standard deviation) techniques to detect and remove spikes in the raw PUV data series. These procedures have rarely encountered more than a few spikes in the pressure (CSL) signal (usually involving an equipment malfunction or tape reader error) but UV spikes were, on occasion, excessive. When more than 2% of either the U or V data points were identified as spikes by our computer algorithm, the burst containing them was marked with an "S" data code (explained below) and the UV spike checking discontinued. Graphic plots were made of these and certain other records for visual checking. All processed wave records contain a data quality code indicating whether all or only part of the record is suitable for use. The codes used are:

G	-	good data
W	-	record contains ship wakes
S	-	spikes in UV but not P data
M	-	data missing or unusable

In obtaining a "G" rating, the data record will contain no discernible ship wakes and fewer than 2% UV spikes removed through interpolation. A "W" indicates that a transient, usually a ship wake, was detected in the visual plot while "M" indicates data missing or completely unusable because of a gage malfunction or equipment outage during a gage servicing period. An "S" indicates that the statistical parameters based on pressure readings are good but those based on UV data (MC_SPD, MC_DIR, WavDIR, Rvar) are considered unusable. Data code designations allow users of the described wave information to selectively exclude unusable parameters when making statistical calculations on an electronic spreadsheet or when "querying" a computerized data base with wave records as described in the following section.

V. DATA BASE ORGANIZATION

The wave information collected between September 27, 1988 and October 17, 1989, has produced 3074 data records, which are stored in a variety of formats for use on IBM PC or AT-compatible microcomputers, including ASCII files, **Quattro** spreadsheet files, and **Paradox 3.0** data base files. All three file types are easily interchangeable for users of the latter two software products made by Borland International. Most can be converted to file types used by similar commercial software products for the personal computer, including Lotus 1-2-3 and dBASEIV.

The basic data format has been designed to accommodate a wide variety of data base applications, including graphical and statistical summaries covering time periods of months to years. Each time-sequential wave record (collected once every 3 hours) includes five date and time fields and 13 numeric fields containing the wave parameters described in Section IV above. Each record ends with a data code field and a source file field referencing an MS-DOS (ASCII) source file. This file contains the original 1024-point data series of corrected sea level and UV velocity readings that define the wave parameters for the record. These 20 data fields are summarized in the following table.

Table 1. Wave Parameters and their Description

Field	Parameter	Description
1	Mon	month (1..12)
2	Day	day (1..31)
3	Yr	year (01..99)
4	JDAY	Julian day of year (1..366)
5	Time	24-hour Eastern Standard Time
6	Depth	burst-mean water depth (meters)
7	MC_SPD	mean current speed (cm/s)
8	MC_DIR	mean current direction (0..360)
9	WavDIR	principal wave direction (0..360)
10	Rvar	reduction in variance (0..1)
11	Hmo	zero-moment wave height (meters)
12	Tz	zero-up-crossing wave period (sec)
13	Tp	peak spectral wave period (sec)
14	%E>12s	percent wave energy > 12 sec
15	%E12-8s	" " " between 12 and 8 sec
16	%E8-6s	" " " between 8 and 6 sec
17	%E6-4s	" " " between 6 and 4 sec
18	%E<4s	" " " < 4 sec
19	code	data quality code (G,W,S,M)
20	source	source data DOS file name

In fields 8 and 9 above, the direction toward which the current or wave is moving is given in compass degrees starting from true north. All of the wave data records obtained for the 1988-1989 Thimble Shoals data set are presented in Appendix A at the end of this report and are available to users of computer information systems in the formats mentioned above.

VI. THIMBLE SHOALS WAVE CHARACTERISTICS

VI.a. Distribution of Wave Height, Period and Direction

One of the most persistent and striking features of the Thimble Shoals wave data set is a bimodal distribution noted in the wave directions. Except for late spring and summer months (May through July, 1989), all of the wave directions (direction of wave advance) tend to fall into two groups centered on the following compass headings: 1) south and 2) west to west-northwest. In late spring and summer 1989, waves travelled mainly toward the west to northwest directions, essentially coinciding with the second group. These two groups correspond to waves of bay-internal and bay-external origin, respectively.

Figures 3 through 14 illustrate the observed bimodal directional patterns using a set of stacked bar graphs that include information on how the wave directions vary within different classes of wave height and period. As these figures reveal, about 2% to 10% of the measured waves from fall and winter months have significant heights (Hmo) greater than 0.60 m. Almost all of them appear to belong to the bay-internal or southerly-directed wave group. Ideally, these are short-period, steep waves resulting from extratropical winter storms or "northeasters". The typical winter storm produces strong north to northeast winds blowing toward the south, roughly parallel to the direction of maximum fetch along the north-south bay axis. In contrast, most of the measured waves with periods greater than 6 seconds, and virtually all waves with periods greater than 8 seconds, belong to the bay-external wave group with west to northwest headings. The latter group consists of swell and shelf-originated wind waves coming into the bay through the Chesapeake Bay entrance.

Although the largest observed heights were probably associated with waves generated inside the bay, the more prevalent waves of medium height are approximately evenly divided in terms of origin. A high percentage (usually 40 to 60 percent) of each monthly wave sample taken during the 1988-1989 season fell within the 0.20 to 0.60 m height class (Table 2). Slightly more than half of these waves in the mid-range of observed height came from outside the bay during fall and winter months, increasing to about 80 percent in summer months when locally-generated waves attained only minimal height. Table 2 also shows that a very large percentage of waves in

the mid-range of bay wave periods (6.0 < Tz < 8.0 s) come from outside the bay.

Table 2. Percentage of measured waves in mid-range of height and period: All waves versus waves directed west to north-northwest.

Range	0.2 < Hmo < 0.6 m			6.0 < Tz < 8.0 s		
Direction	All	W/NNW	ratio	All	W/NNW	ratio
Oct 88	61.3	32.3	0.53	50.8	48.3	0.95
Nov 88	48.7	34.4	0.71	50.0	50.0	1.00
Dec 88	37.7	15.2	0.40	38.7	32.4	0.84
Jan 89	47.5	31.0	0.65	62.8	60.3	0.96
Feb 89	50.8	17.6	0.35	40.2	33.7	0.84
Mar 89	64.4	34.2	0.53	58.1	47.3	0.81
Apr 89	52.2	38.2	0.73	58.4	51.2	0.88
May 89	44.7	39.3	0.88	60.0	56.0	0.93
Jun 89	29.9	24.8	0.83	67.5	65.0	0.96
Jul 89	45.3	40.1	0.89	70.7	66.0	0.93
Aug 89	46.0	31.9	0.69	73.9	58.4	0.79
Sep 89	77.3	61.3	0.79	58.8	55.5	0.94

Thus our results suggest that a major fraction of waves (and wave energy) affecting the lower bay shoreline and benthic regions year-round is generated external to the bay. A large portion of these external waves have periods in excess of 8 seconds and they account for most of the waves having periods between 6 and 8 seconds.

VI.b. Extreme Waves

For engineering design purposes, the extreme wave heights likely to be experienced over a period of years is of key importance. Our sample of wave measurements covering a single year do not yet provide this type of information for the lower Chesapeake Bay. Two typical winter storms occurred in February and March 1989, however, which provide some indication of what may be expected. Wind speeds and directions during these events are graphically shown in figure 15; the storms are described as follows:

February 23-24 Storm: A brief but very intense extratropical storm occurred during a two-day period beginning early on the morning of February 23, 1989. Winds during this storm were primarily from the north and briefly reached maximum sustained speeds in excess of 16 m/sec. For approximately 33 hours, Hmo wave heights occurred that were continuously in excess of 1 m. The maximum Hmo wave height recorded during this storm (1.93 m on February 24 at 0654 EST) was also the largest significant wave

height recorded during the year. The maximum individual wave height observed during this particular burst was approximately 3.1 m.

March 6-9 Storm: A second, intense extratropical storm began on the afternoon of March 6, 1989. Northeast winds reached maximum sustained speeds of 12 m/sec, generally exceeding 10 m/sec during March 6th through March 9th, as shown in figure 15. Significant wave heights continuously exceeded 1 m for a 72-hour period beginning on March 6, reaching the maximum (Hmo = 1.63 m) for this storm on March 7 at 2154 EST.

It is instructive to examine the sequence of wave generation and wave change that took place during the March 6-9 storm as revealed by directional wave spectra computed from PUV time series measurements. Directional spectra are portrayed by diagrams that show the distribution of wave energy density (variance per unit frequency) as a function of frequency and direction. Samples of these diagrams, shown in figures 16 through 21, are discussed below. The contour lines normalized with respect to the maximum energy density increase from 0.1 to 1.0 at intervals of 0.1.

Figure 16 (March 5, 1854 EST) shows the pre-storm condition with only minimal wave spectral energy present at a low peak frequency of about 0.1 Hz (Tp = 11 s) and a peak direction of about 300 degrees true (lower diagram, Fig. 16). The latter direction agrees quite well with our principal wave direction (WavDIR = 292 deg. true) for this burst, noting that the directional spread or range of possible values for the peak direction is about 35 degrees. The upper diagram in this figure shows the normalized energy density contours which outline the central peak whose coordinates are the peak frequency and peak direction mentioned above.

Figure 17 (March 6, 1554 EST) shows the initial generation of storm waves at a relatively high peak frequency of 0.24 Hz (Tp = 4.1 s) and peak direction of 190 degrees true, compared to a principal wave direction of 189 degrees true. The increased level of energy density at the well-defined, centralized peak fixed by these coordinates obviously represents an input of wave energy originating from within the bay.

Figure 18 (March 7, 0054 EST) shows a much increased spectral energy with the central peak frequency decreased to approximately 0.20 Hz (Tp = 5.1 s). The same peak direction is maintained while leaving a noticeable foot-print of energy skewed toward the higher frequencies just vacated. In addition, a secondary spectral peak has begun to form at 0.12 Hz (Tp = 8.3 s) and 280 degrees true, representing new input from a low-frequency source outside the bay.

Figure 19 (March 7, 0954 EST) shows a clearly bimodal energy distribution with the initial spectral peak continuing to grow and continuing its lower frequency "red-shift" to about 0.17 Hz (Tp =

5.9 s) while maintaining a peak direction of 190 degrees true. The secondary spectral peak has meanwhile increased its energy level significantly and red-shifted slightly to 0.10 Hz (Tp = 10.0 s) while maintaining its original 280-degree peak direction. The Hmo wave height of 1.4 m is approaching the maximum Hmo wave height of 1.63 m reached later this day.

Figure 20 (March 8, 2154 EST) depicts the beginning of the waning phase of the storm with energy levels dropping slightly and smearing out over a wider range of frequencies. Hmo wave height has decreased to 1.3 m. Two well-defined peaks still persist, however, at approximately the same frequency and direction coordinates except for a small shift in the low-frequency, 280-degree peak down to about 0.085 Hz (Tp = 11.8 s).

Figure 21 (March 10, 0354 EST) illustrates the waning phase of the March 1989 storm with two well-defined but diminished energy peaks, each still maintaining the same coordinates except for a slight shift of the high-frequency peak (now the lesser of the two in energy density) to 0.21 Hz (Tp = 4.8 s). It is noted that the WavDIR parameter continues to track the high frequency peak rather than straddle the two peaks as the Tz parameter tends to do.

The detailed analysis of the March 1989 event, assuming it is representative of the one or more "northeasters" that usually visit the region each year, suggests that even during major storm events there is an important contribution from bay-external as well as bay-internal wave energy sources reaching Thimble Shoals and other locations well inside the lower Chesapeake Bay.

Dual modes can also be seen in the wave energy distributions outlined using the total energy percentage values for the five spectral bands listed in the data base (Appendix A). A perspective plot of these five parameters, the wave period parameters, Tz and Tp, and the total wave energy (joules x 10^{-1}) is shown in figure 22 depicting the March 1989 event and a lesser storm that occurred in October of 1988. The October event shows a regular shifting of wave energy back and forth between the 6-4 second band and the 12-8 second band, the shifting being approximately in phase with the total wave energy variations during the interval October 4 to October 8.

Also revealed in figure 22 is an interesting phenomenon that appears quite often in the Thimble Shoals wave records. A regular modulation of the wave energy distributions at the semidiurnal tidal period is apparent, for example, in the percent energy variations within the 8-6 second band during the March 1989 storm (March 6 to 10). This is a tidal effect that, while clearly evident, is not clearly understood as discussed in the following section.

VI.c. Tidal Effect on Wave Height and Period

At certain times, a very pronounced level of covariance is noted between time series of the burst-mean depth (tide) parameter and the wave height and period parameters measured at three-hour intervals. This effect is well illustrated by a sample of records covering the first ten days of June 1989 at Thimble Shoals (Fig. 23).

As noted in the upper half of figure 23, wave heights are strongly modulated by depth at the semidiurnal tidal frequency with maximum wave heights coinciding with maximum depths. In the lower half of figure 23, one sees that wave periods are modulated in the reverse fashion with mimimum wave periods coinciding with maximum depths. These relationships do not appear to be due to local or conventional wave-current interactions, including Doppler frequency shifting of wave period, as may occur for waves encountering strong tidal flows (Earle and Bishop, 1984). At Thimble Shoals, reversing tidal currents are approximately in phase with tidal heights, producing maximum ebb flows at low tide when waves are entering the bay (opposing the current) but experiencing longer periods and lower heights at this time within their observed semidiurnal cycle. This is opposite to the expected result of shorter wave periods and greater wave heights (greater wave steepness) during wave-current opposition.

The cause of the above phenomenon is not clearly understood although it may represent some form of remote wave-current interaction at tidal and gravity-wave frequencies. It is possible that "wave steering" or refraction by currents within or near the bay entrance is involved. Previous work on wave climate modelling of the Virginia shelf (Goldsmith et al., 1974), including approaches to the bay entrance, has stressed the importance of interactions between ocean waves and various shelf relief elements. We are not aware of any past studies that demonstrate the importance of wave-current interactions on wave motions near the Chesapeake Bay entrance.

VII. RECOMMENDATIONS FOR FUTURE WAVE MONITORING

The findings in this report underscore the presence of a dual energy source (bay-internal and bay-external) contributing jointly to the development of the wind wave field experienced in lower Chesapeake Bay. Although this result may have been anticipated by some, it has not been evident in terms of limited past efforts (mentioned in Rosen, 1976, but largely unpublished) to characterize the Chesapeake Bay wave climate by hindcasting techniques considering only local fetch and duration. While representation of local fetch and duration is complicated by a highly variable bay shoreline configuration and varying wind fields, the internal modelling involved is relatively straightforward compared to the

task of modelling wave input from outside the bay. We have demonstrated through wave measurements that only a part of the actual wave climate in the lower bay is likely to be accounted for if the latter element is not included in future modelling efforts. It is also apparent that wave-current interaction processes must be better understood prior to that undertaking.

Recommendations based on the initial year of results include the continuation of wave monitoring over the same time-span at other locations inside the bay. Measurements are now being made at a second location approximately 25 nautical miles to the north of Thimble Shoals with the objective of compiling a full year of measurements and investigating the contribution made by long-period, bay-external waves at points farther from the bay entrance. Another site should be occupied near the western side of the bay closer to the entrance.

When the exploratory observations just mentioned are concluded, the resulting information should allow the selection of one or more real-time wave monitoring stations to be established on a long-term, perhaps permanent, basis. Carefully selected stations can provide optimum wave data (along with other coastal environmental parameters) for a variety of purposes important to the management of bay resources, including

- wave-current model testing and development
- benthic projects (dredging, dredged material disposal)
- shoreline preservation and restoration
- recreational activities
- small craft navigation and safety.

On the basis of the wave information now available, it seems certain that at least two long-term, real-time wave monitoring stations will be required, one just outside the Chesapeake Bay entrance to record bay-external directional wave information and one inside the bay at a location representative of the lower bay wave environment.

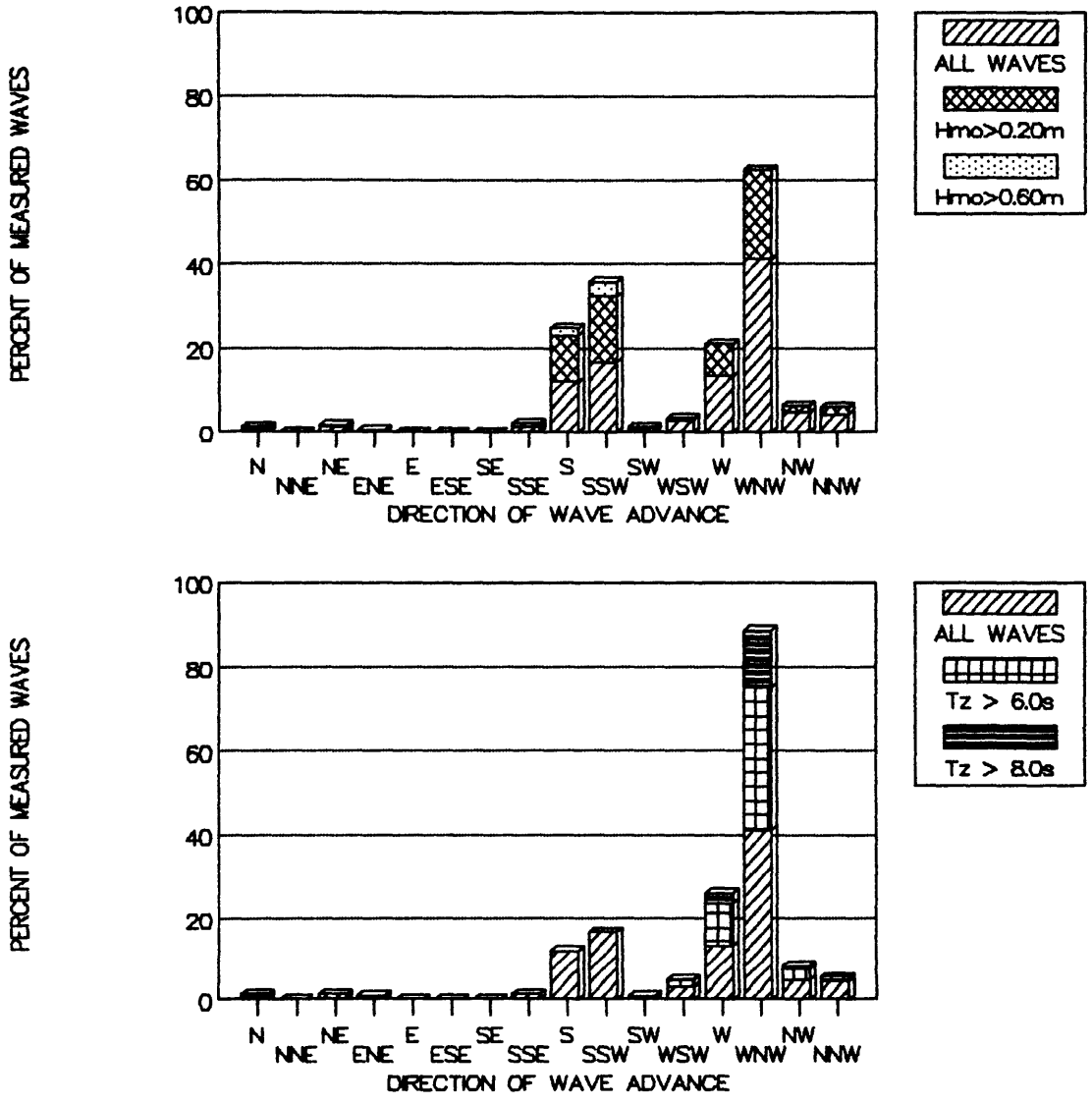

Figure 3. Graphical Wave Data Summary for October 1988.

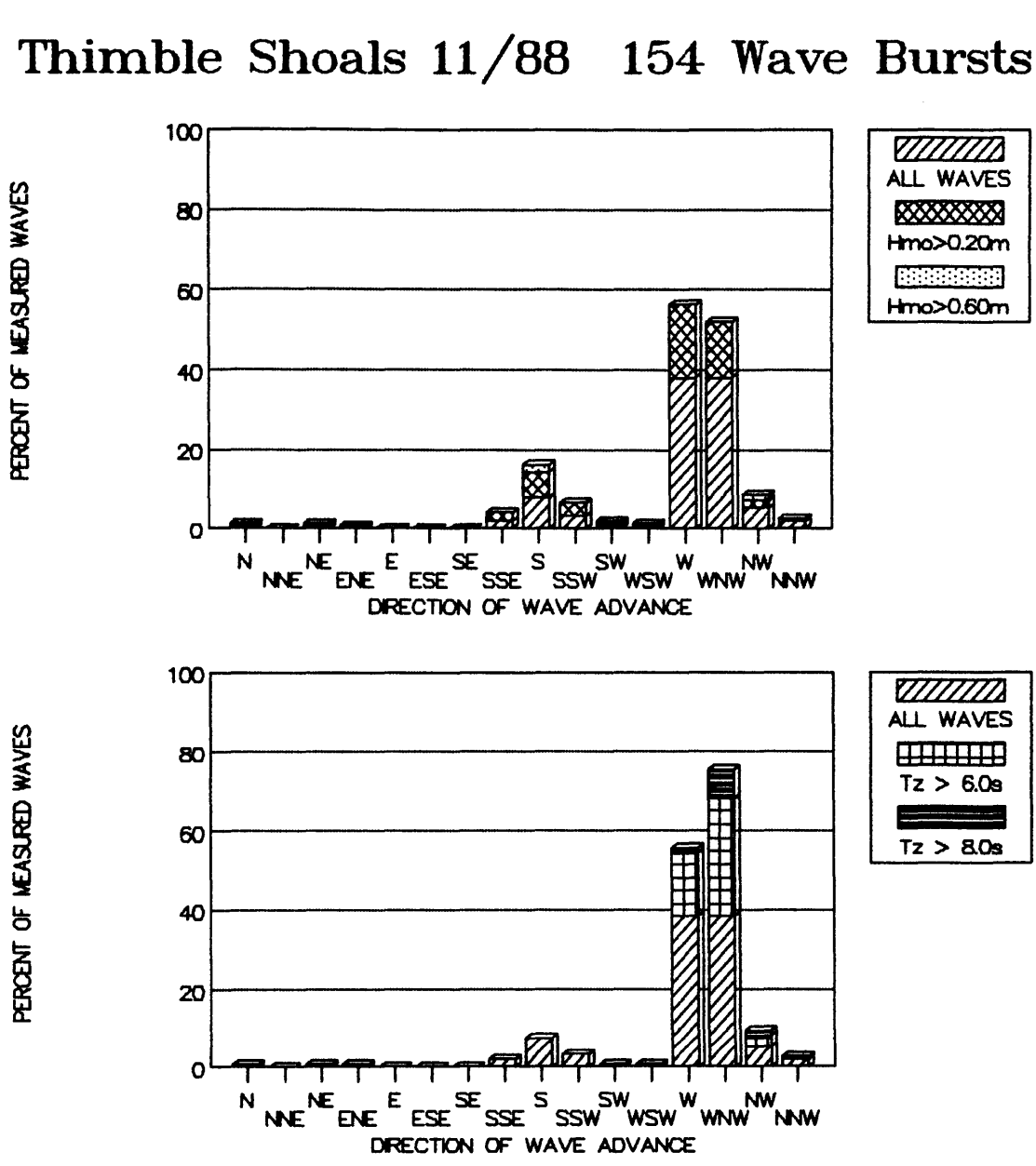

Figure 4. Graphical Wave Data Summary for November 1988.

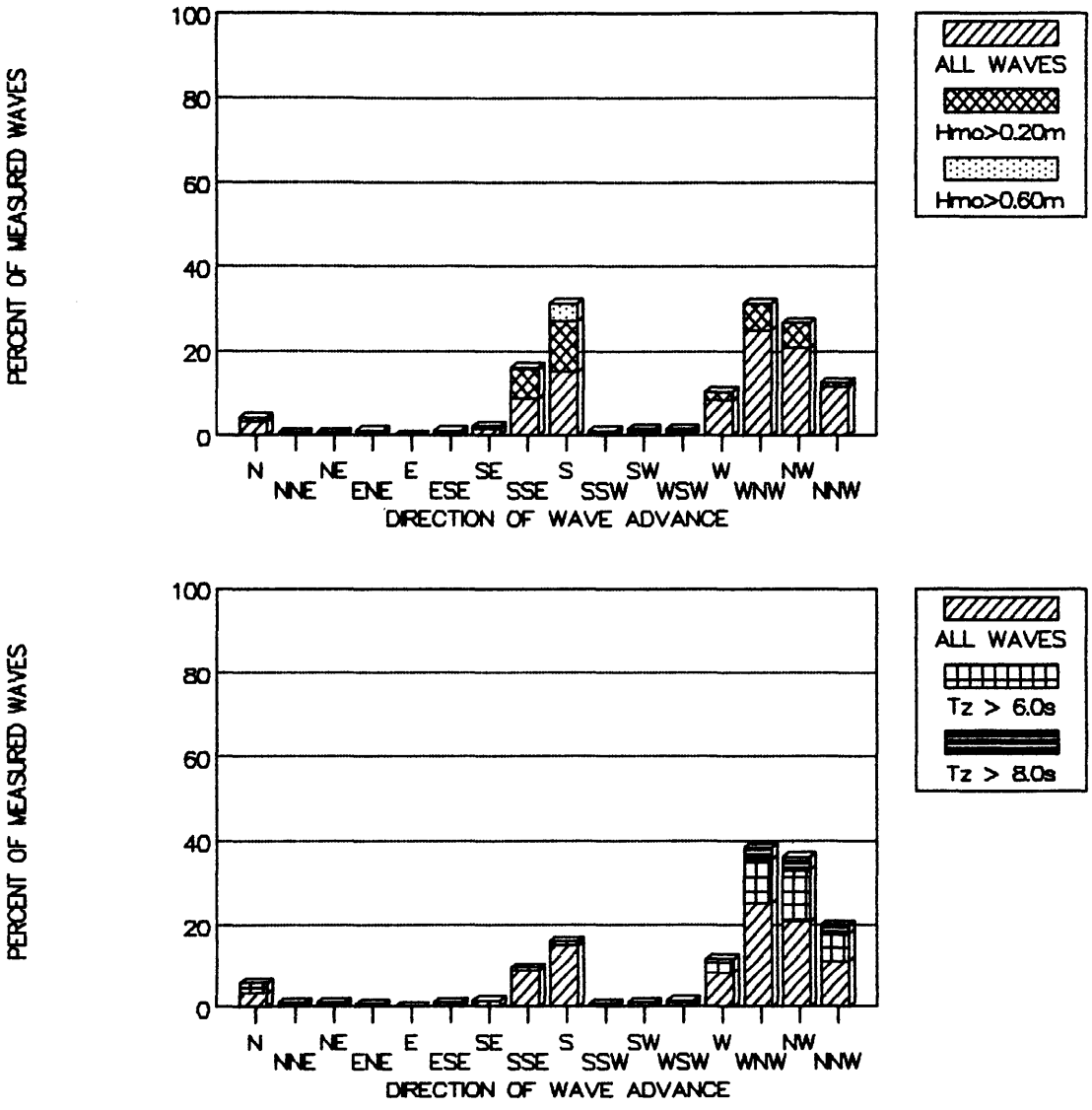

Figure 5. Graphical Wave Data Summary for December 1988.

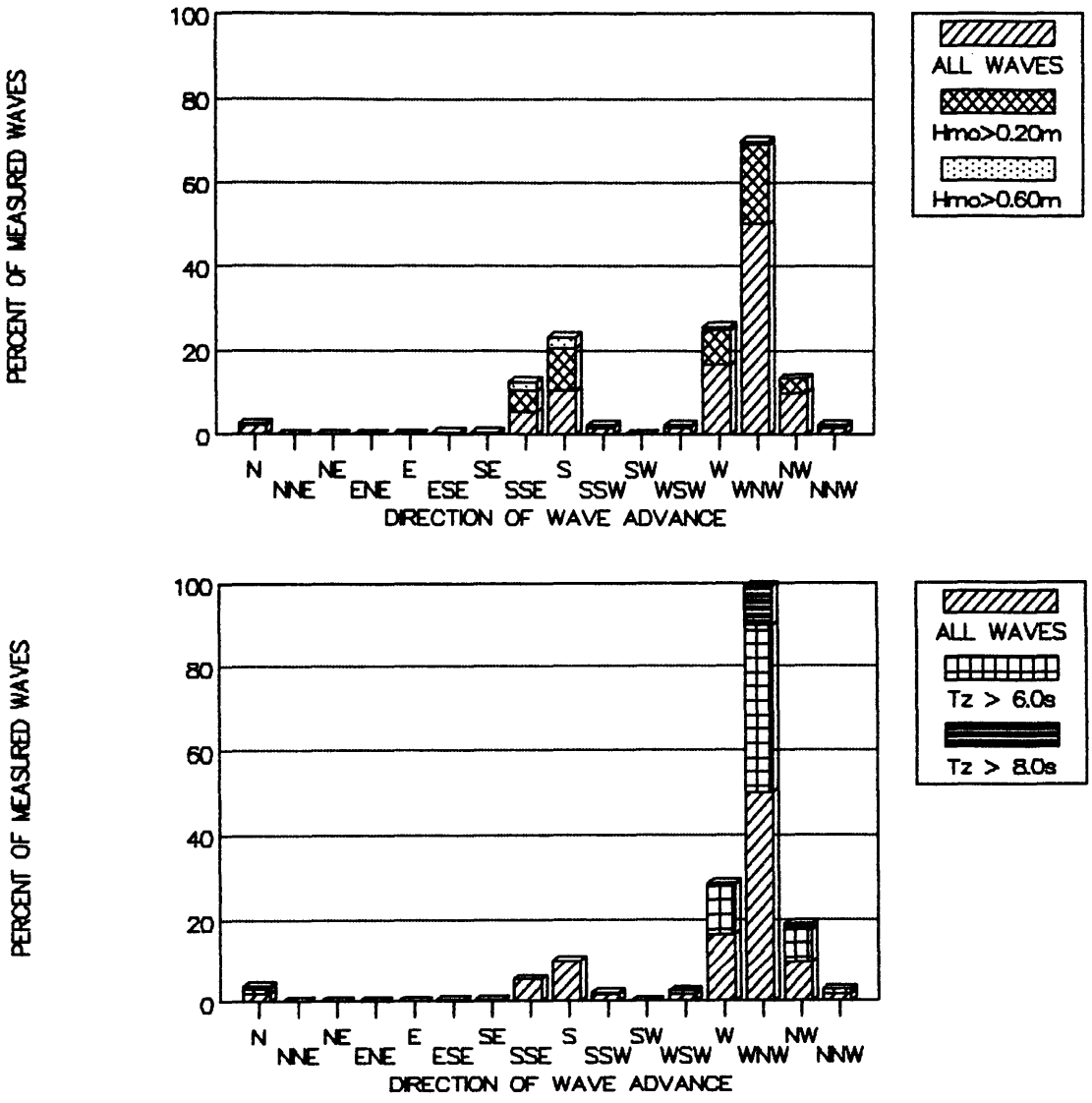

Figure 6. Graphical Wave Data Summary for January 1989.

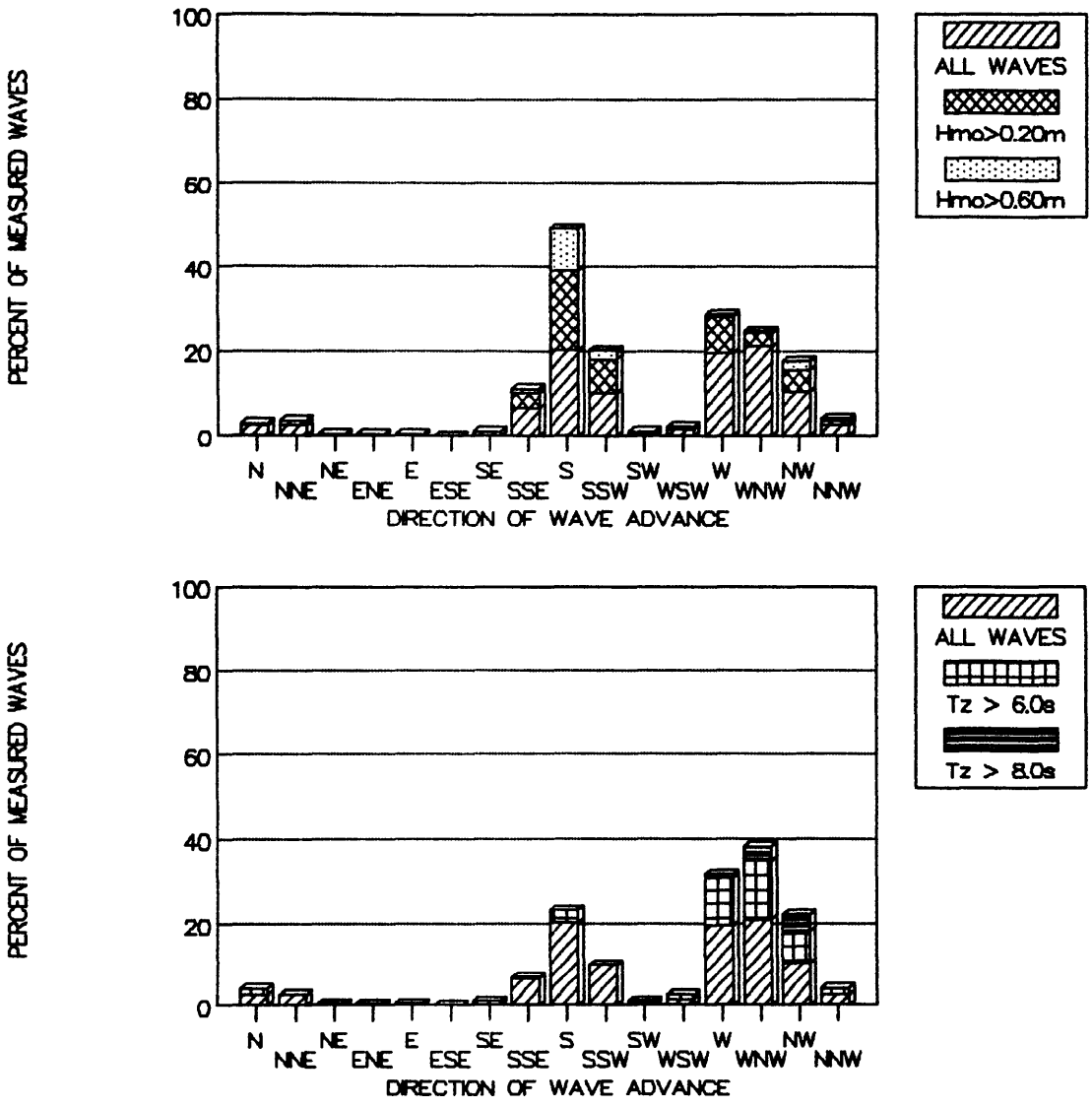

Figure 7. Graphical Wave Data Summary for February 1989.

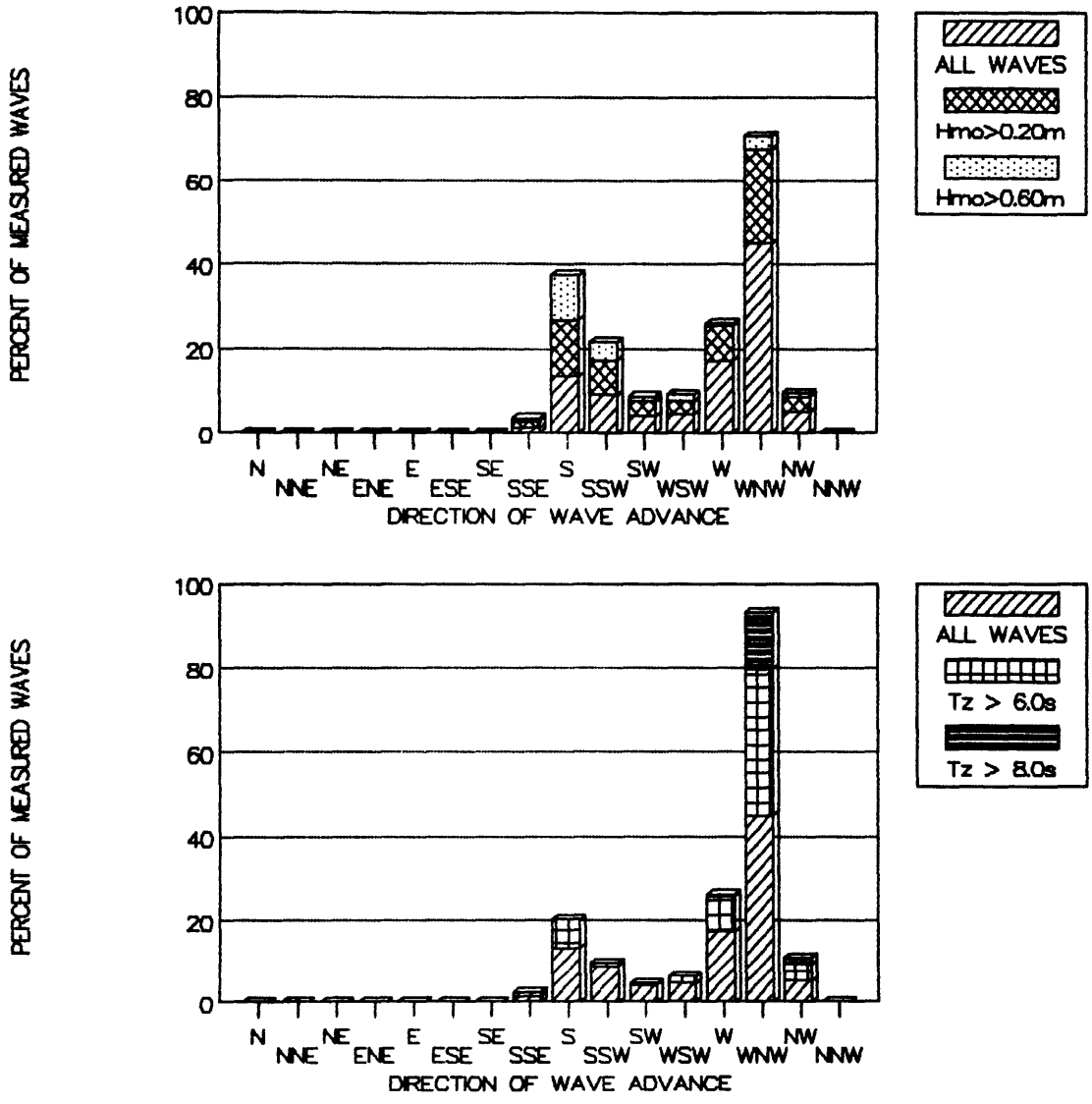

Figure 8. Graphical Wave Data Summary for March 1989.

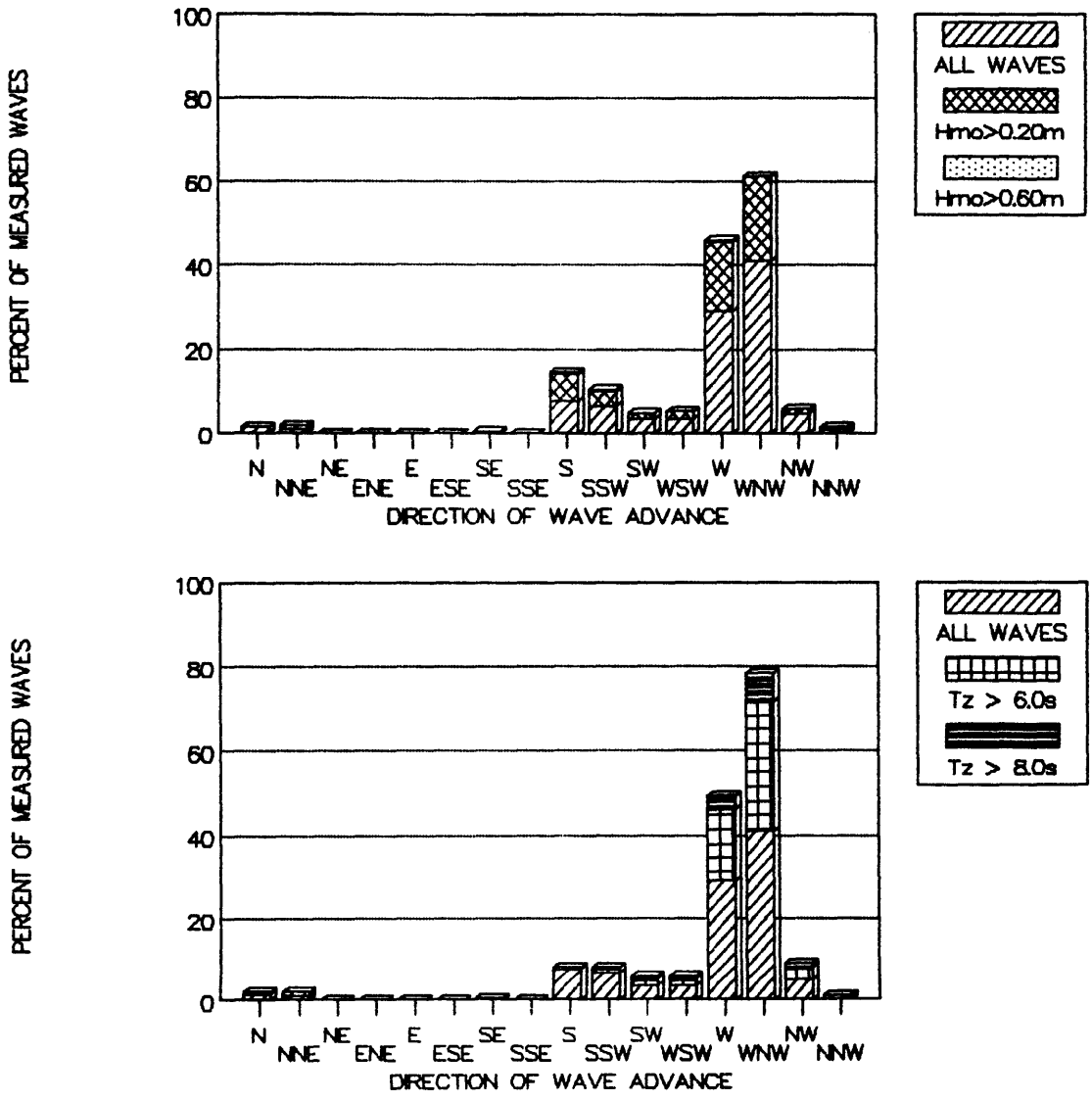

Figure 9. Graphical Wave Data Summary for April 1989.

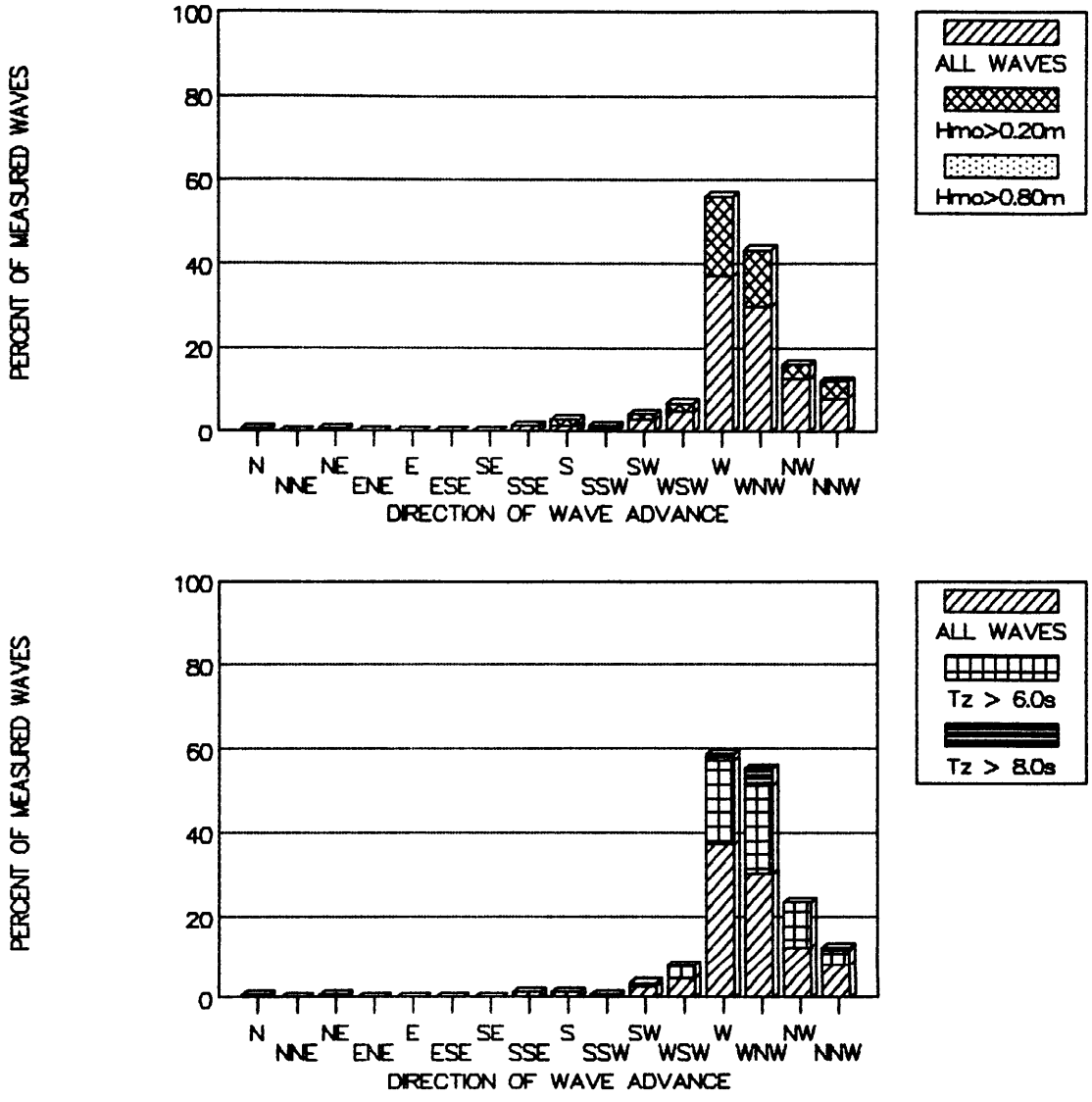

Figure 10. Graphical Wave Data Summary for May 1989.

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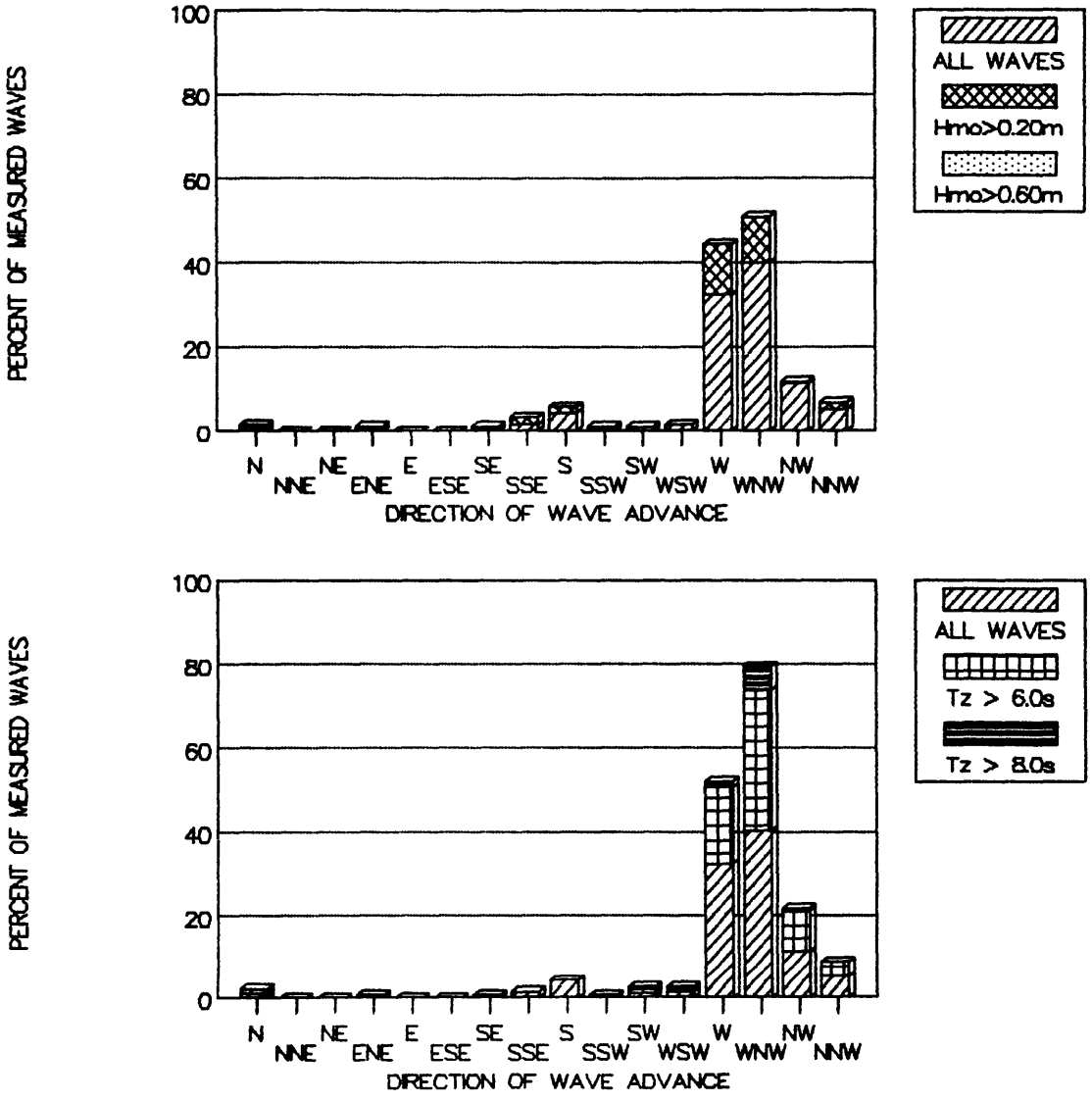


Figure 11. Graphical Wave Data Summary for June 1989.

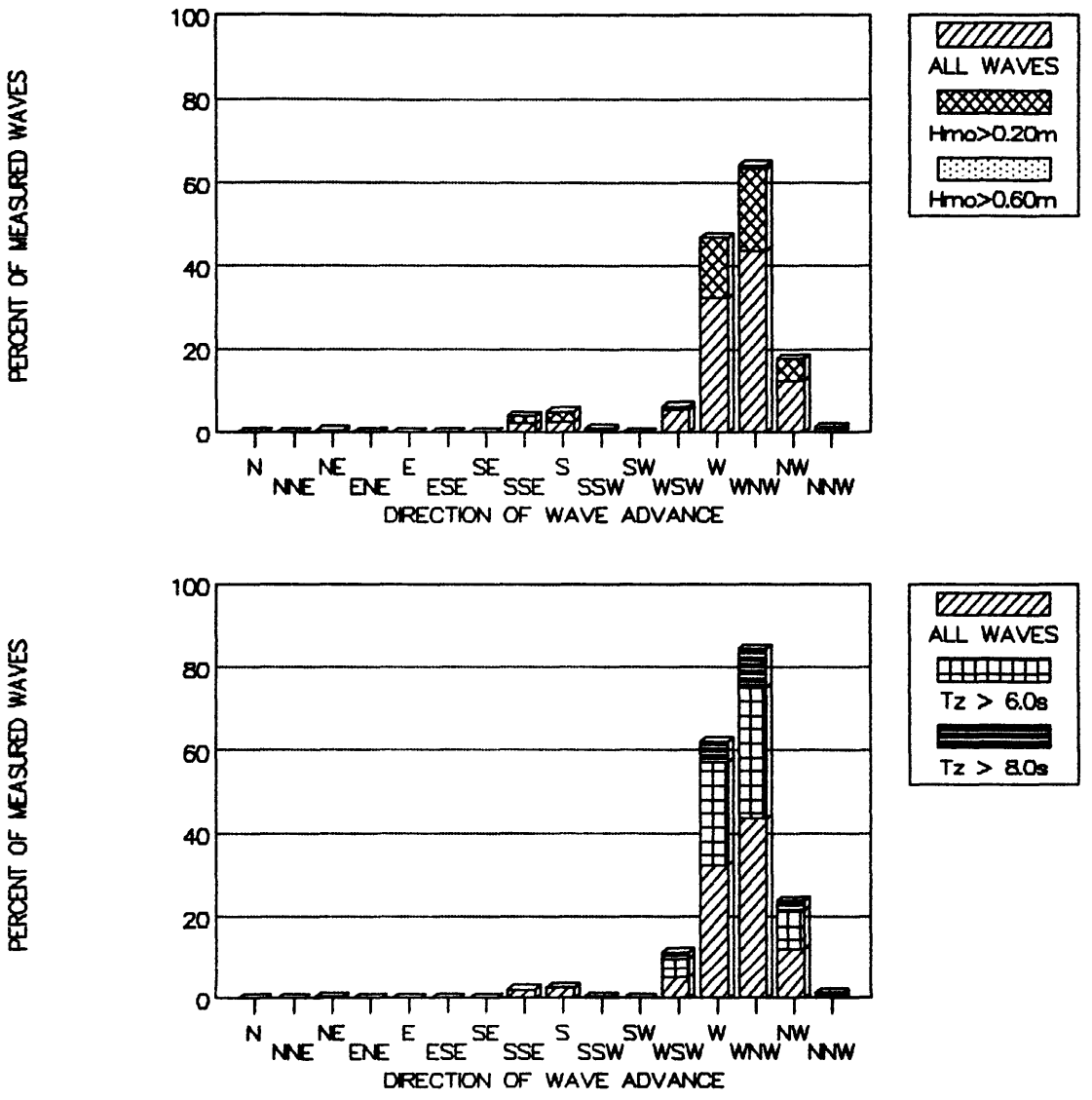


Figure 12. Graphical Wave Data Summary for July 1989.

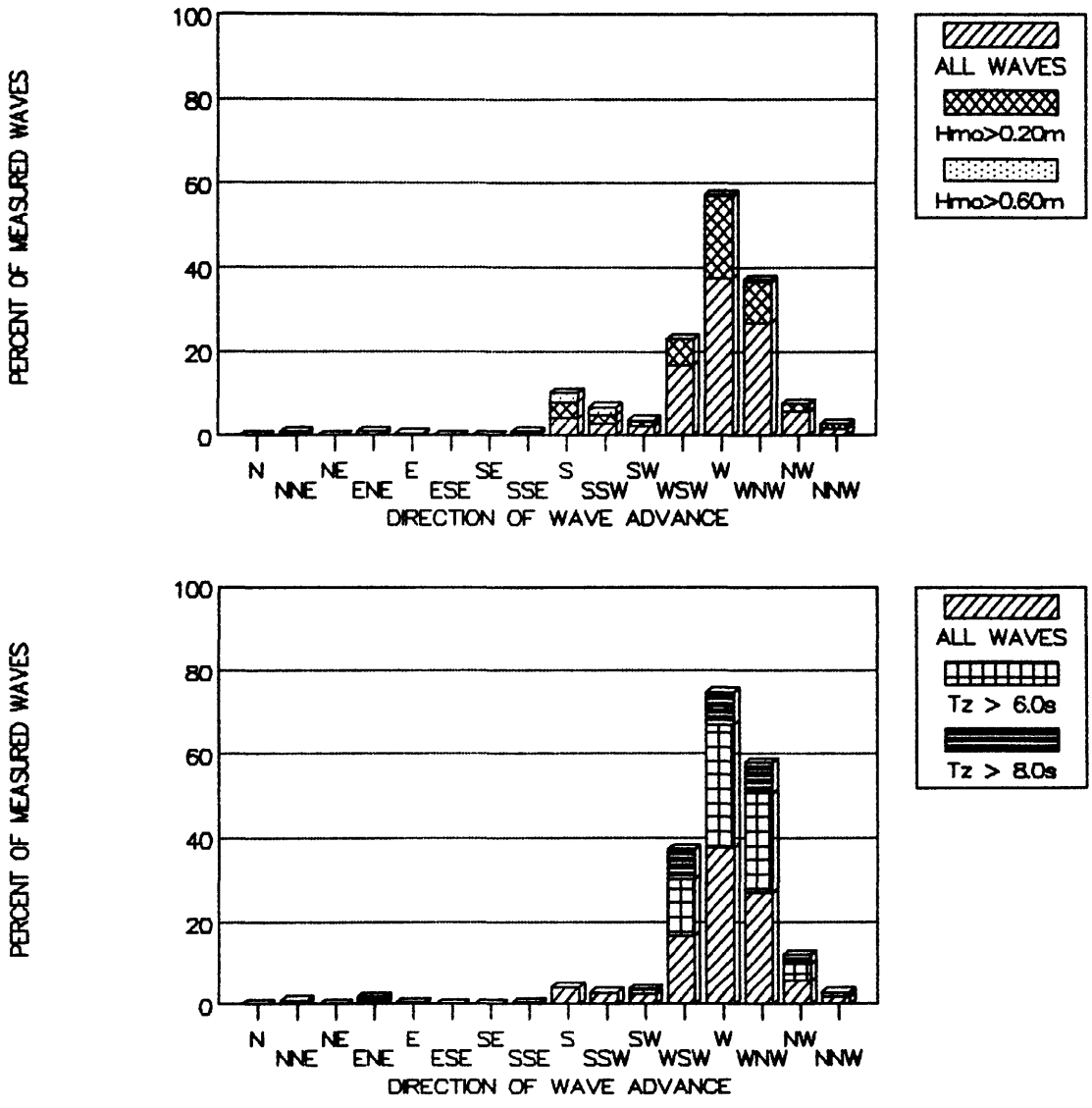


Figure 13. Graphical Wave Data Summary for August 1989.

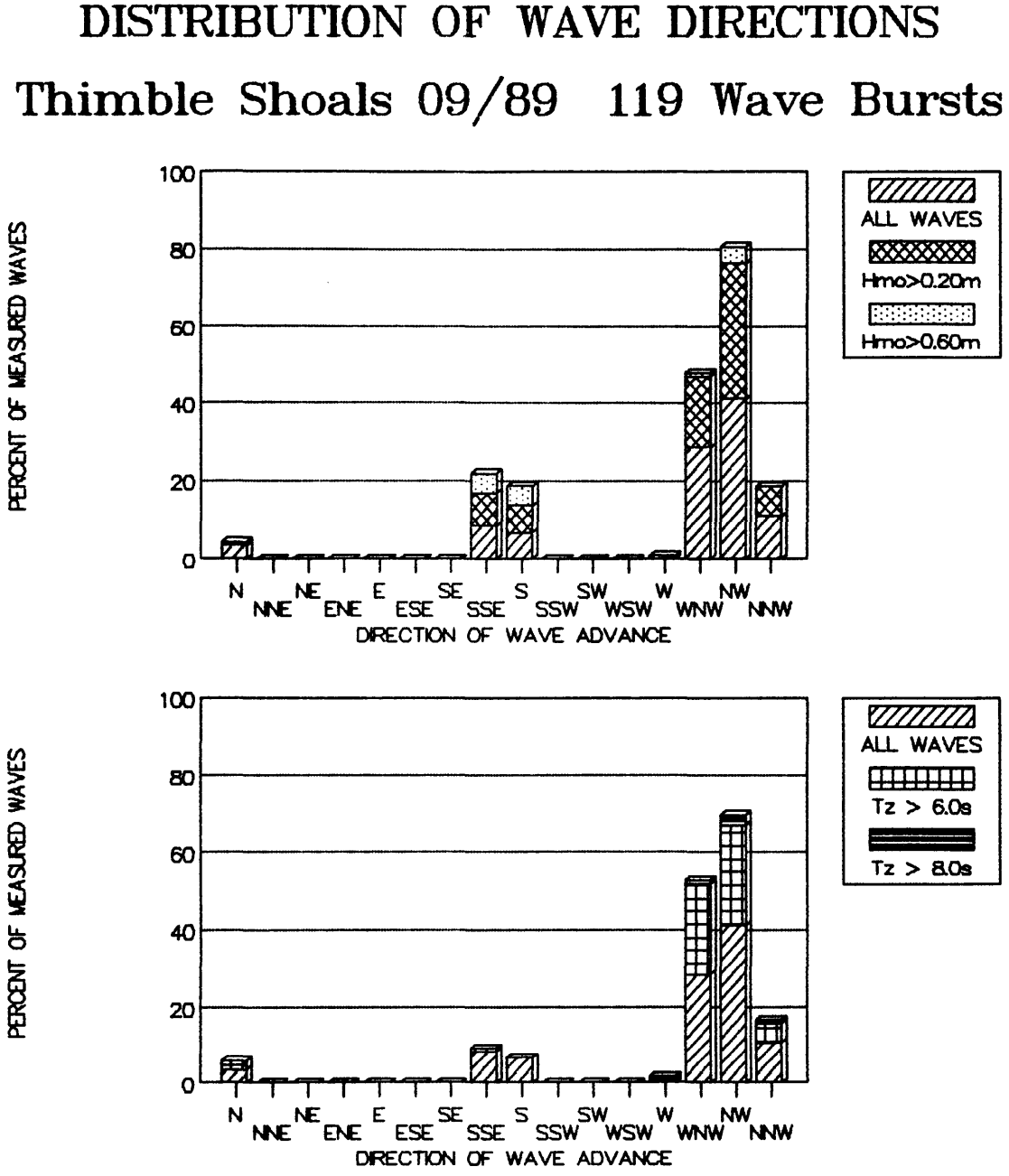


Figure 14. Graphical Wave Data Summary for September 1989.

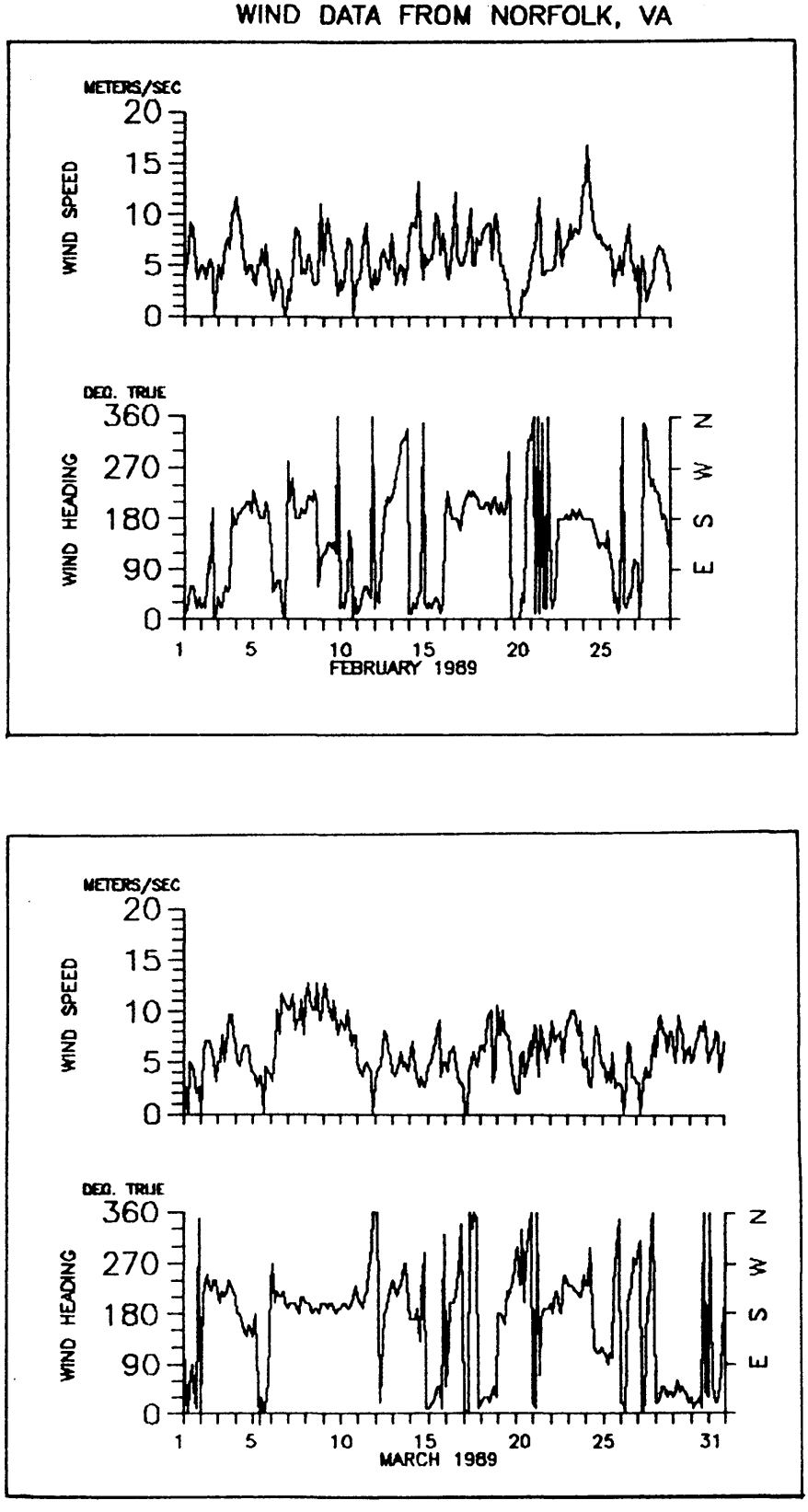


Figure 15. Norfolk Airport Wind Data, February to March 1989.

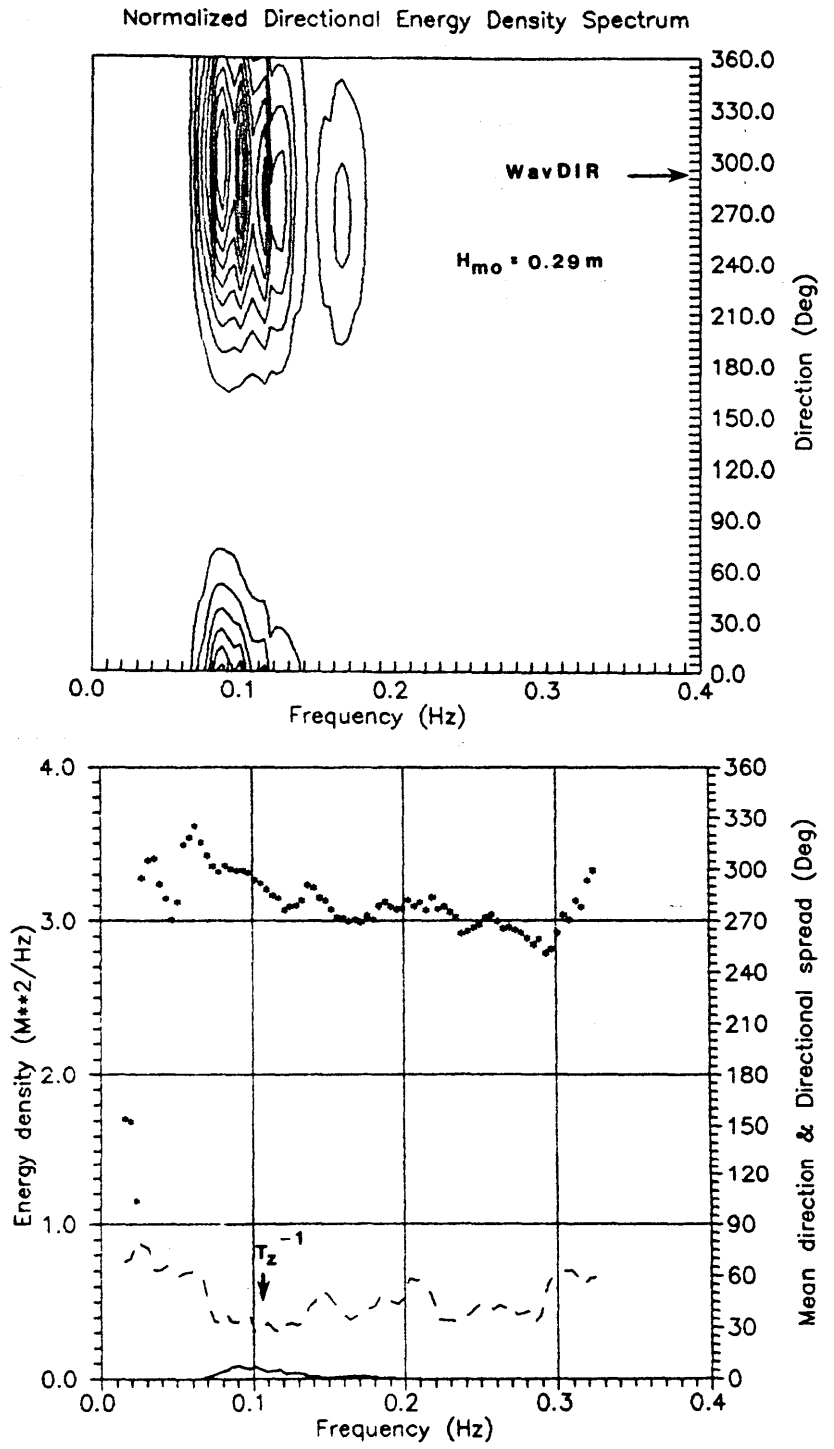


Figure 16. Directional Wave Spectra for Thimble Shoals, Va. Pre-storm conditions on March 5, 1989, 1854 EST.

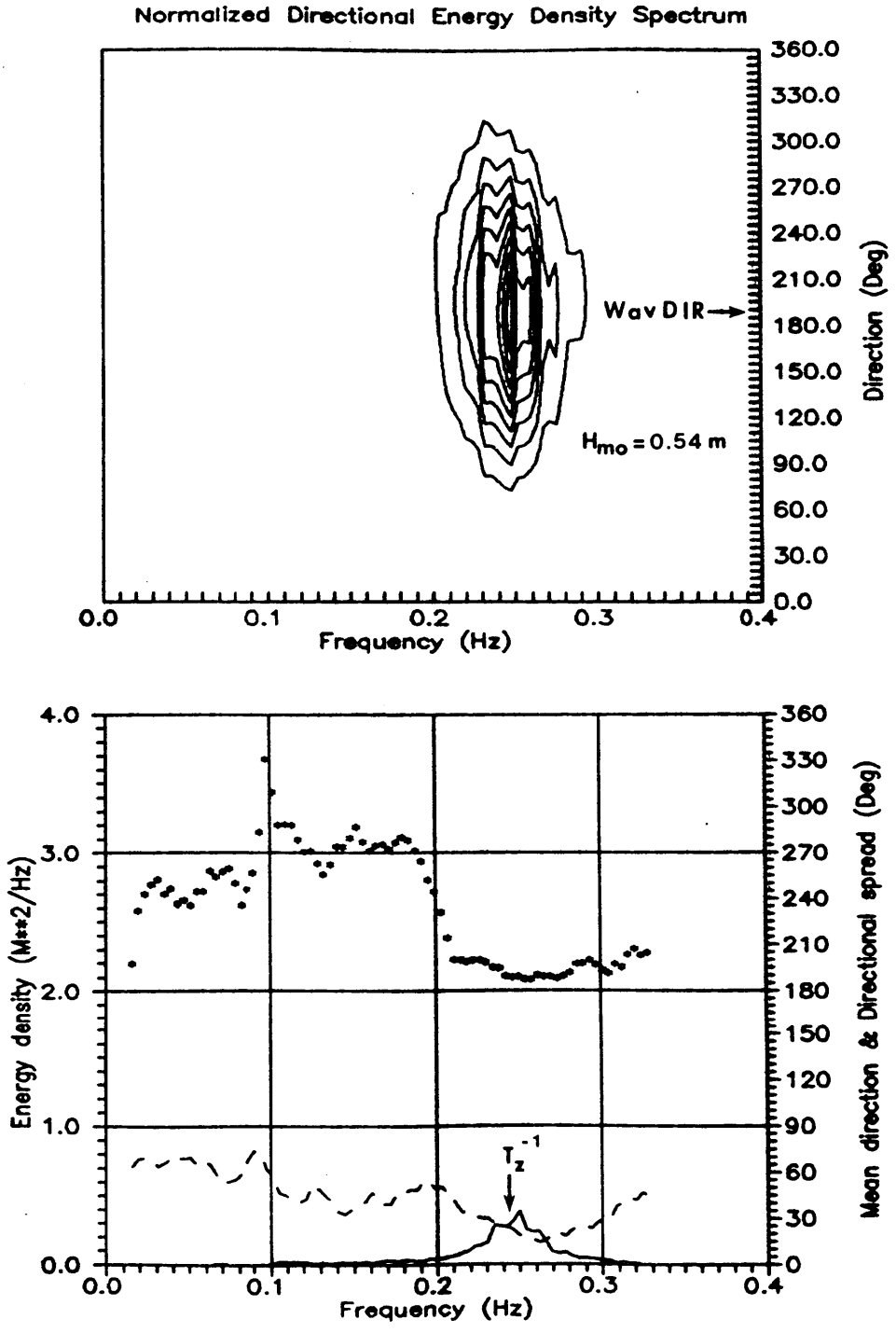


Figure 17. Directional Wave Spectra for Thimble Shoals, Va. Initial Storm Waves, March 6, 1989, 1554 EST.

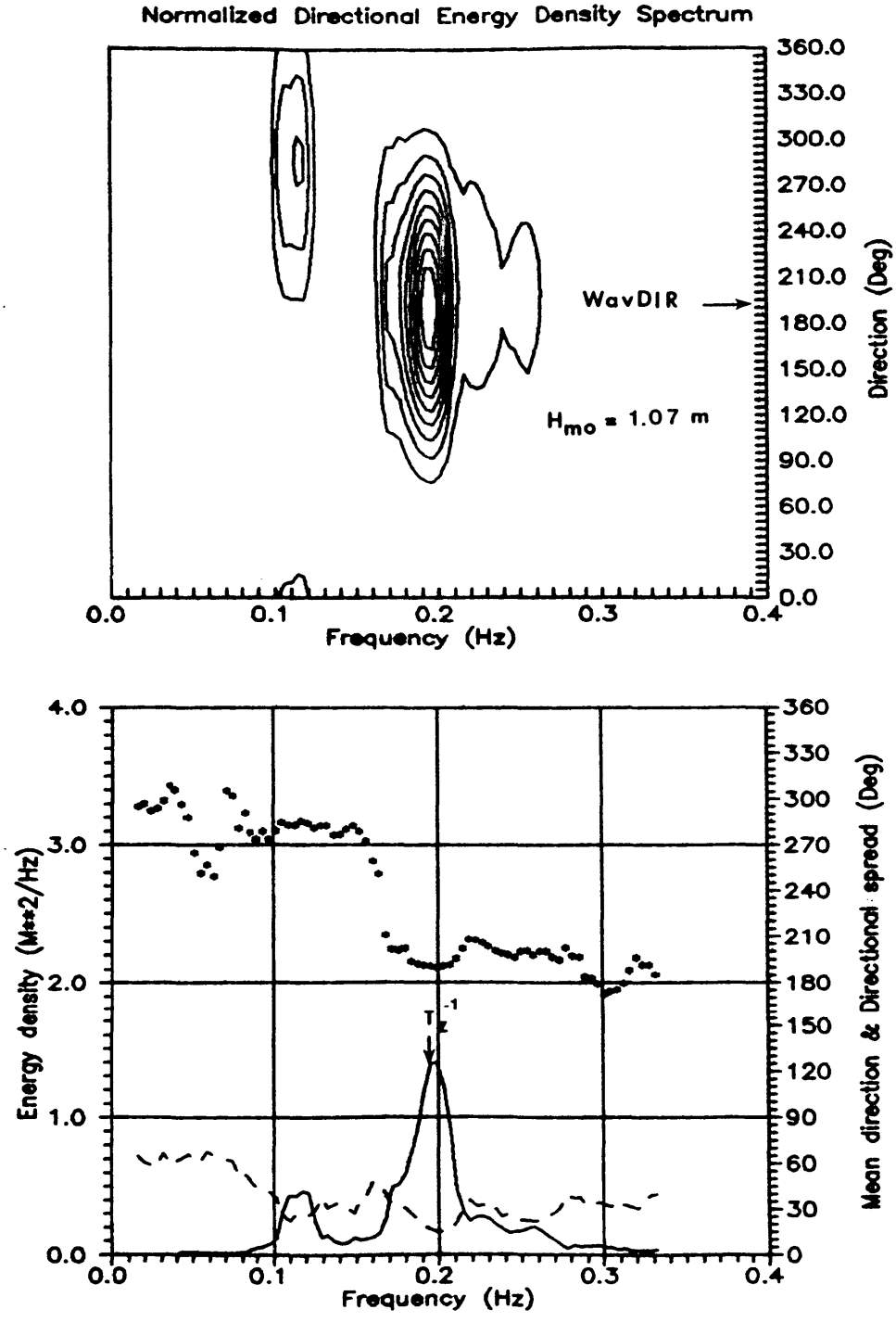


Figure 18. Directional Wave Spectra for Thimble Shoals, Va. Increased Storm Energy, March 7, 1989, 0054 EST.

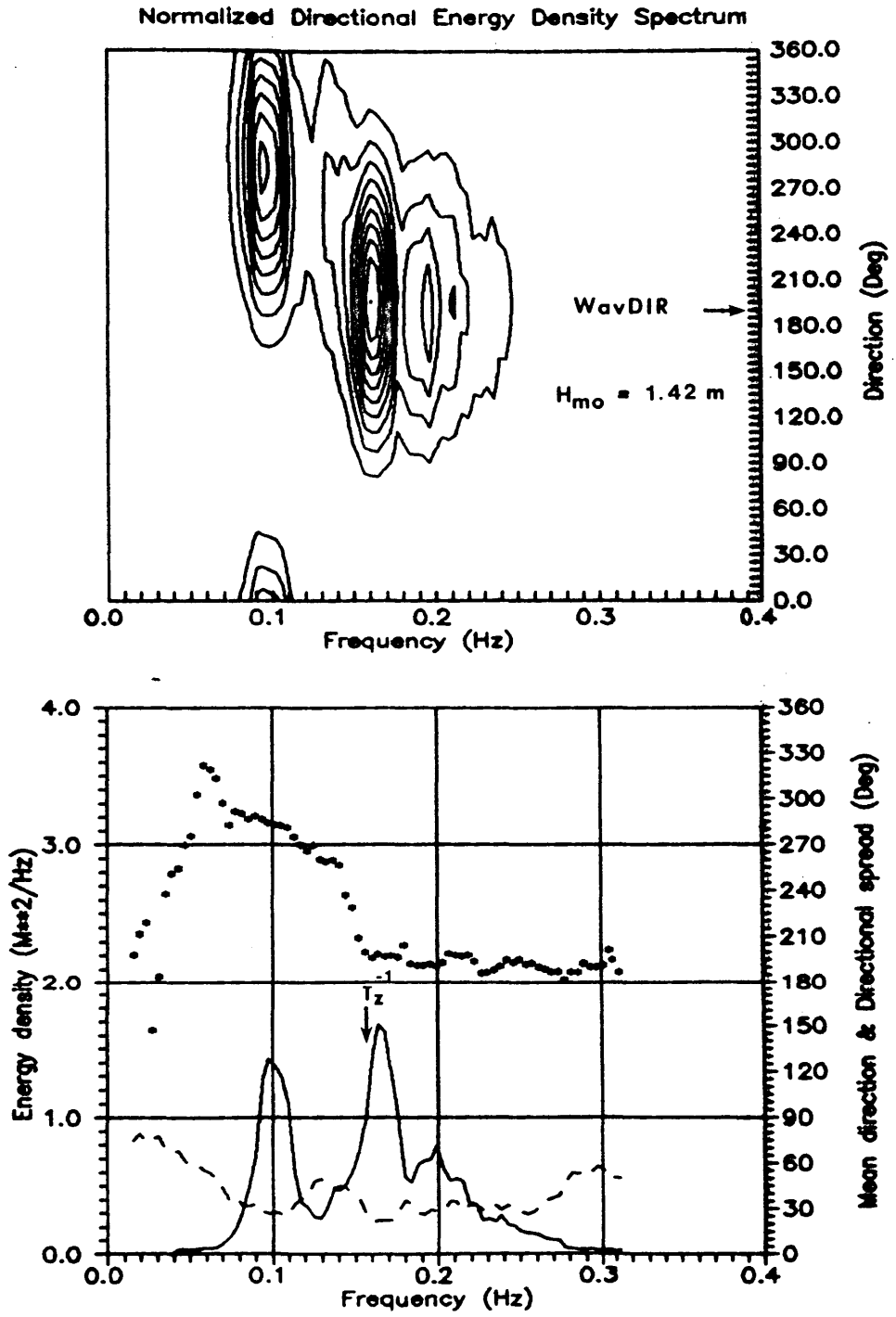


Figure 19. Directional Wave Spectra for Thimble Shoals, Va. Maximum Storm Energy, March 7, 1989, 0954 EST.

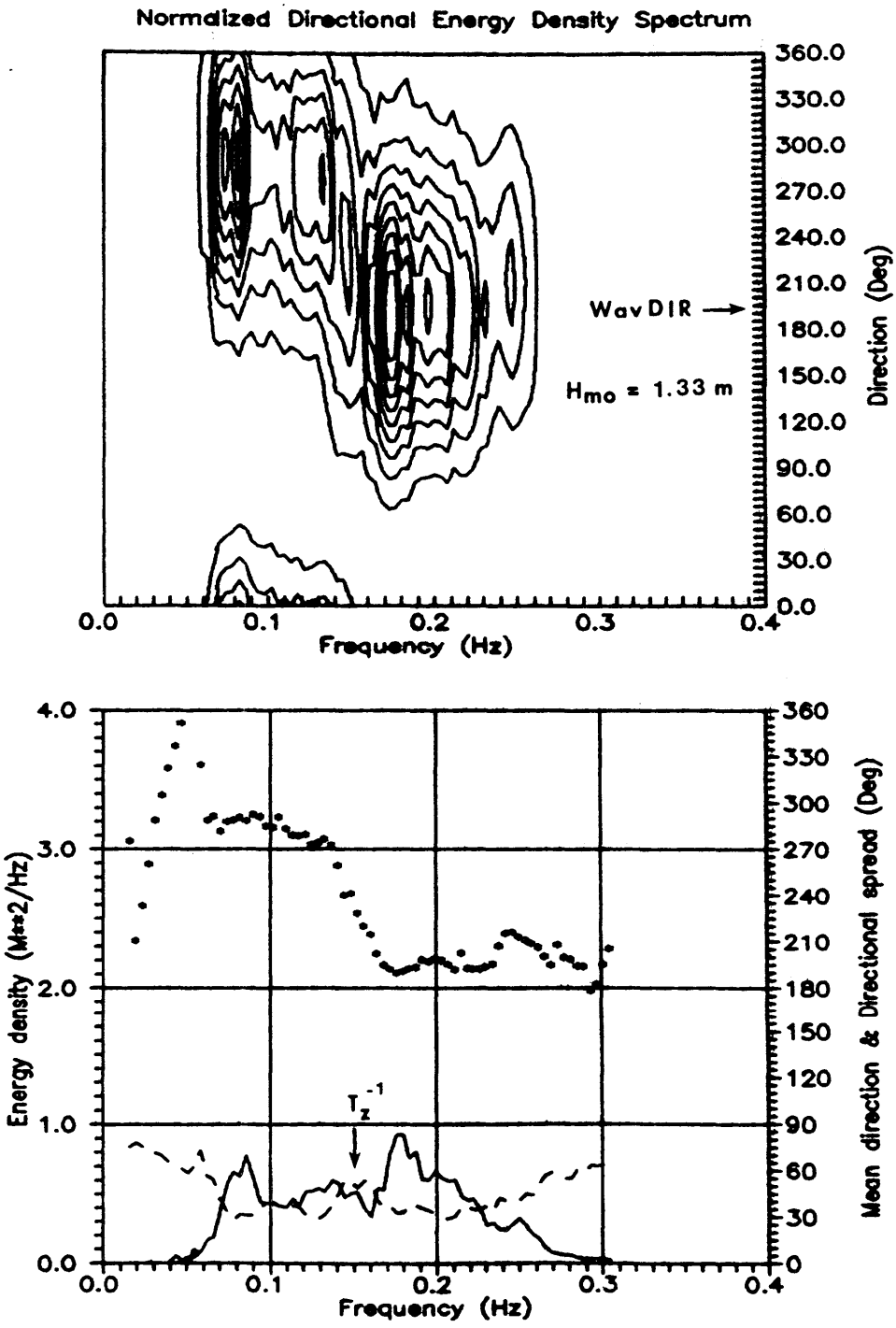


Figure 20. Directional Wave Spectra for Thimble Shoals, Va. Initial Storm Decline, March 8, 1989, 2154 EST.

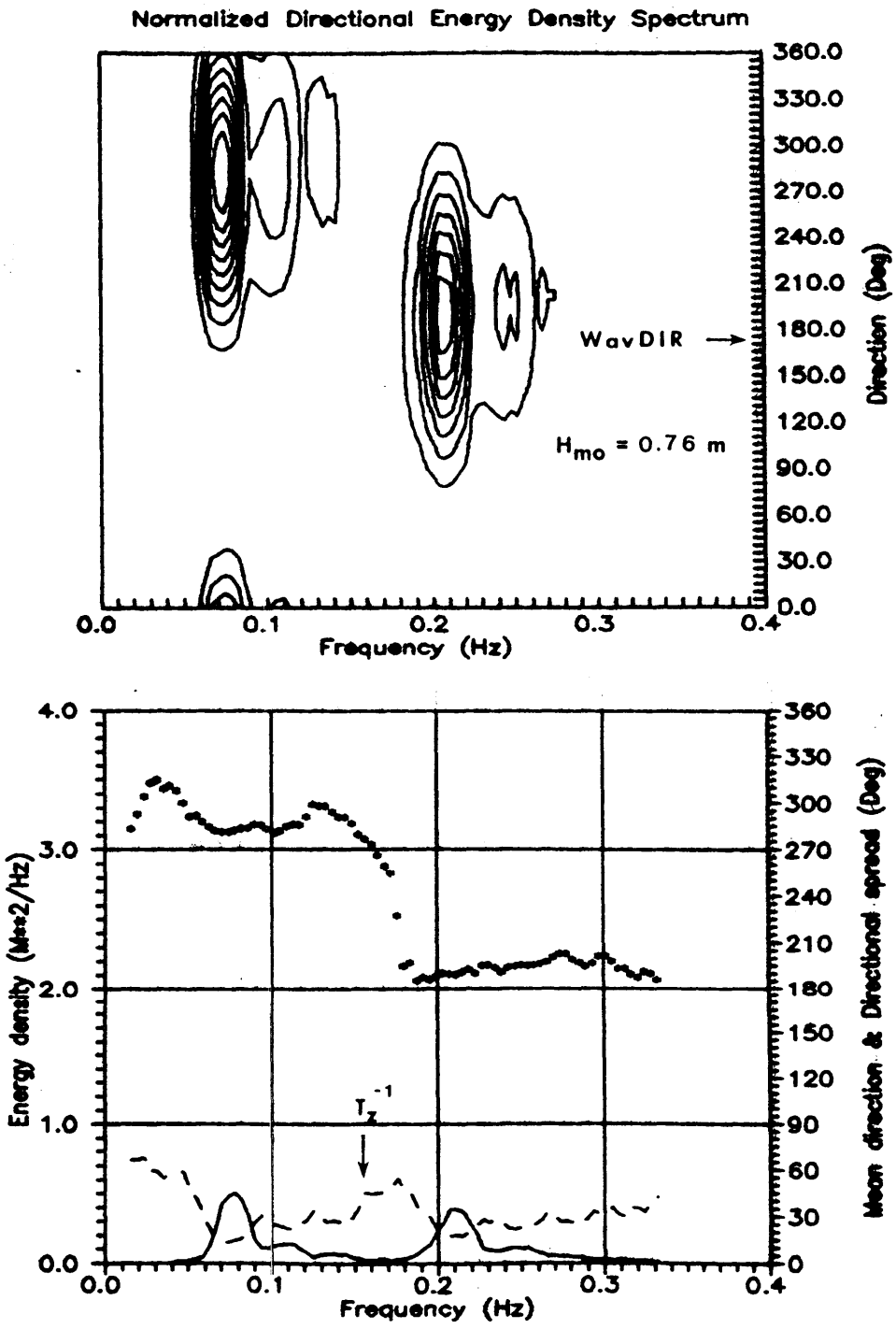
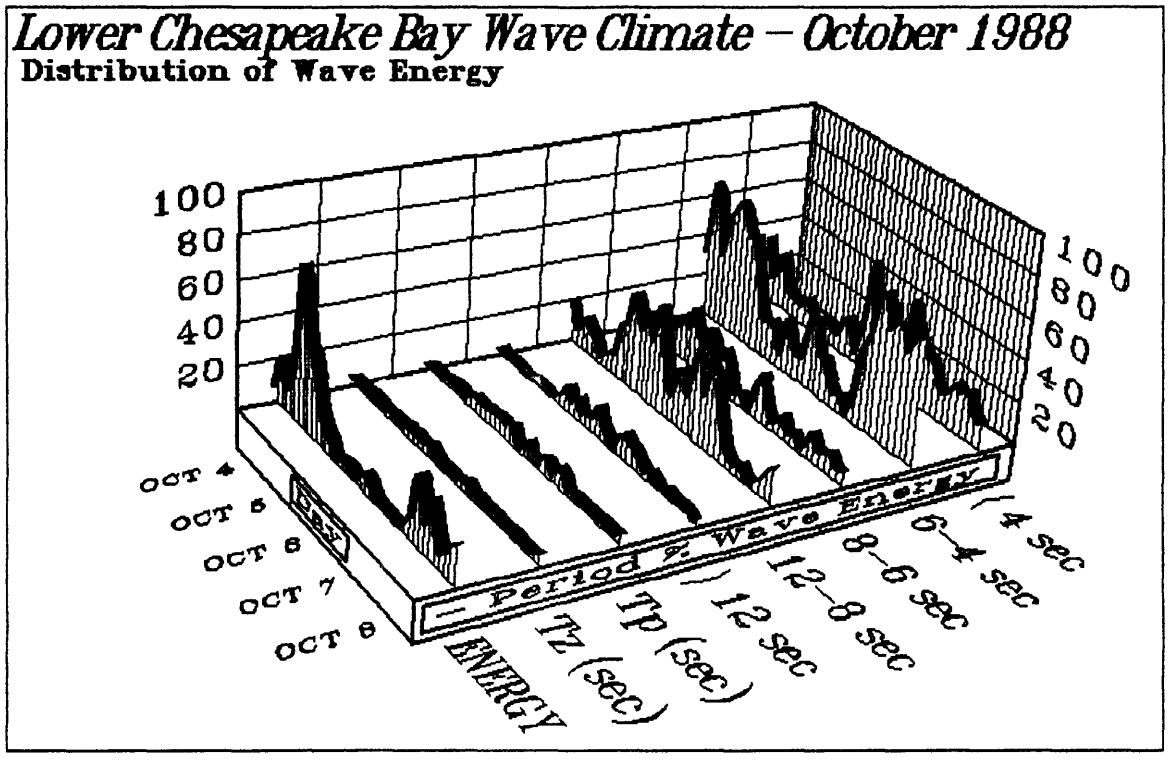
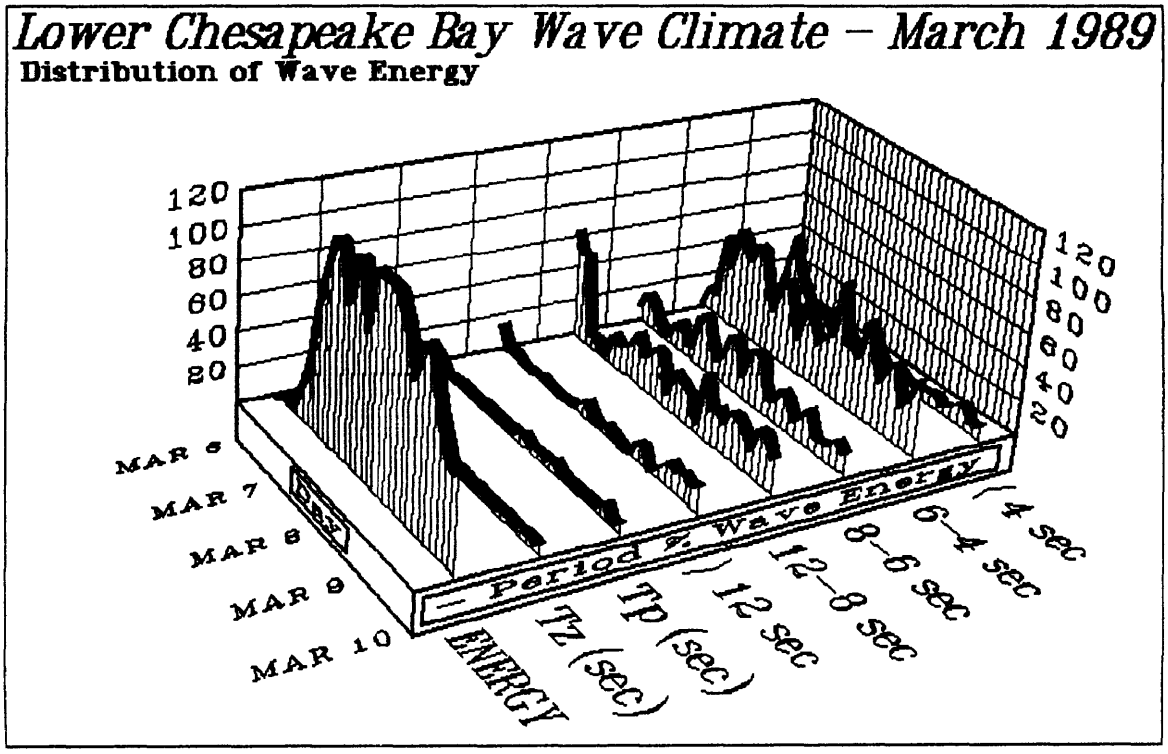


Figure 21. Directional Wave Spectra for Thimble Shoals, Va. Final Storm Decline, March 10, 1989, 0354 EST.





22. Wave period and percent energy distributions at Thimble Shoals. Total wave energy in joules x 10^{-1}

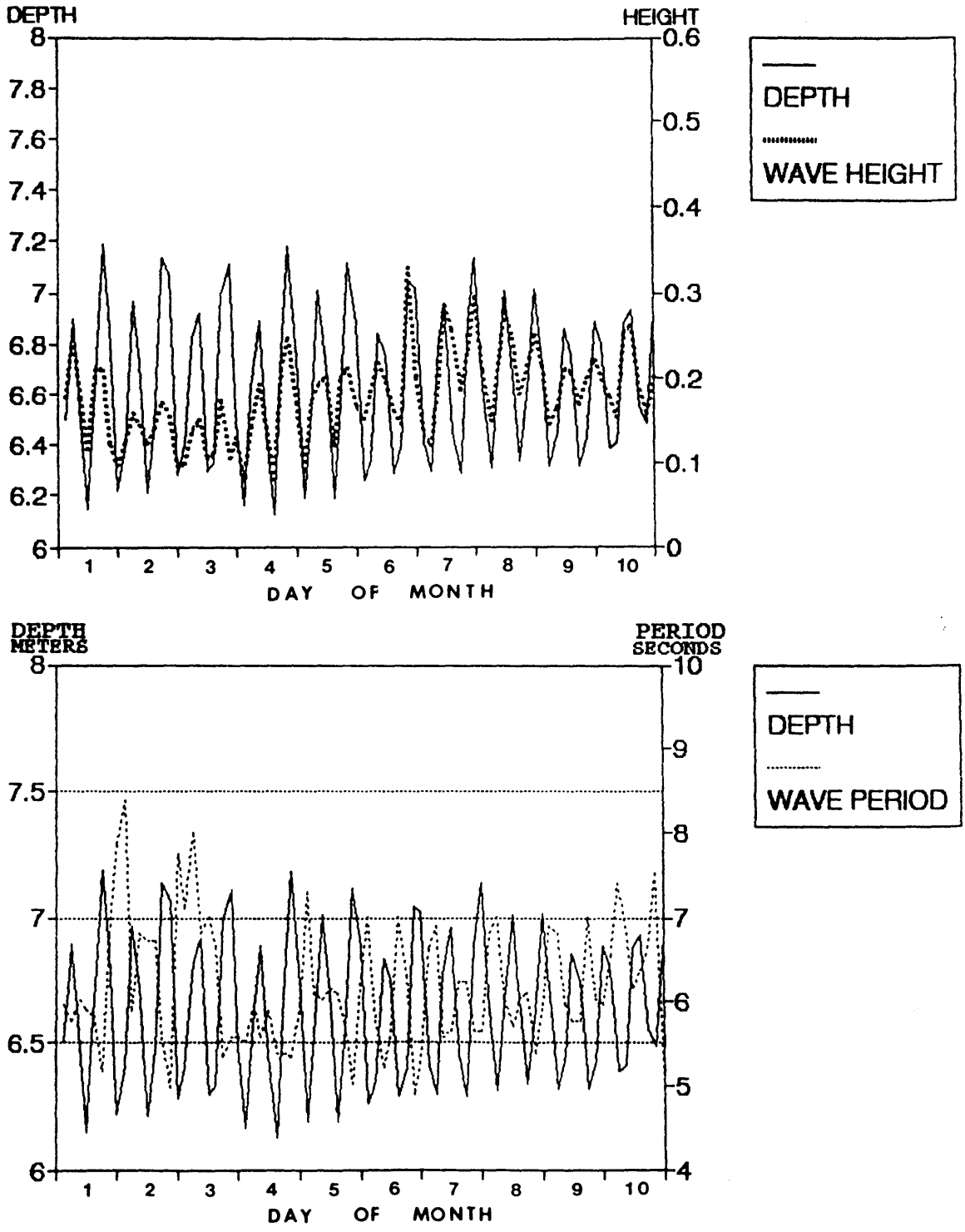


Figure 22. Joint variation between burst-mean depth (tidal height), wave height and wave period at Thimble Shoals wave station, June 1-10, 1989.

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APPENDIX A

Listing of the Thimble Shoals Wave Data Base

27 September, 1988 through 17 October, 1989

Note: Field 20, Source File Name, is not included in this listing due to space limitations.

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	27	88	271	12.0	7.33	34.9	41.5	279.2	0.743	0.320	8.98	14.22	40.85	18.71	17.30	14.68	8.46	G
9	27	88	271	15.0	6.67	33.0	125.9	291.0	0.747	0.236	8.83	14.22	39.37	24.13	13.49	13.66	9.35	G
9	27	88	271	18.0	7.02	28.3	211.2	292.4	0.804	0.337	7.88	14.22	28.33	25.92	25.44	16.41	3.90	G
9	27	88	271	21.0	7.59	23.5	306.8	287.6	0.841	0.494	7.53	14.22	30.53	25.20	18.34	21.17	4.76	G
9	28	88	272	0.0	7.26	23.2	41.0	280.4	0.744	0.350	9.14	14.22	58.77	10.04	17.47	11.49	2.24	G
9	28	88	272	3.0	6.65	29.8	123.8	293.9	0.796	0.231	9.66	14.22	48.32	31.03	11.23	7.10	2.32	G
9	28	88	272	6.0	6.98	25.9	211.4	294.7	0.801	0.349	9.14	11.64	15.80	48.99	24.10	9.93	1.18	G
9	28	88	272	9.0	7.72	31.7	302.8	284.1	0.791	0.473	7.01	14.22	25.70	25.38	26.33	15.80	6.78	G
9	28	88	272	12.0	7.48	31.1	17.5	282.6	0.783	0.414	10.24	14.22	43.22	23.75	14.89	15.19	2.95	G
9	28	88	272	15.0	6.74	28.9	106.2	290.9	0.754	0.283	10.89	11.64	44.23	32.87	13.06	7.34	2.50	G
9	28	88	272	18.0	6.81	26.8	179.8	298.9	0.758	0.310	11.38	14.22	58.52	21.88	13.26	5.17	1.17	G
9	28	88	272	21.0	7.43	28.7	283.5	284.7	0.788	0.341	7.88	14.22	42.91	19.40	14.97	18.32	4.40	G
9	29	88	273	0.0	7.36	15.5	33.3	314.2	0.929	0.973	10.04	8.53	13.80	55.03	23.52	6.58	1.07	W
9	29	88	273	3.0	6.76	32.8	117.1	295.1	0.770	0.244	10.89	14.22	73.13	16.51	5.17	4.14	1.06	G
9	29	88	273	6.0	6.92	36.5	193.8	304.5	0.635	0.288	8.26	14.22	42.14	27.25	8.89	4.18	17.53	G
9	29	88	273	9.0	7.69	34.4	279.8	286.1	0.684	0.422	5.69	14.22	33.79	17.20	9.47	16.92	22.62	G
9	29	88	273	12.0	7.75	32.0	0.5	247.3	0.716	0.411	4.97	14.22	27.64	17.70	7.11	19.29	28.26	G
9	29	88	273	15.0	7.21	32.8	39.5	246.2	0.673	0.520	5.28	14.22	22.78	11.11	7.34	36.79	21.99	G
9	29	88	273	18.0	7.02	16.3	126.8	269.3	0.618	0.540	5.39	3.88	13.38	15.62	15.60	24.14	31.26	G
9	29	88	273	21.0	7.47	16.5	276.3	280.1	0.737	0.519	5.33	5.12	13.28	18.57	13.77	30.50	23.89	G
9	30	88	274	0.0	7.60	25.1	358.4	267.7	0.798	0.551	5.28	6.10	12.17	8.74	21.12	36.43	21.54	G
9	30	88	274	3.0	7.08	24.1	67.1	284.7	0.755	0.413	6.48	9.85	13.80	30.55	20.89	15.89	18.87	G
9	30	88	274	6.0	6.89	27.7	151.4	293.0	0.776	0.296	6.40	14.22	15.19	22.64	23.97	21.70	16.51	G
9	30	88	274	9.0	7.43	20.9	253.1	290.0	0.760	0.374	6.17	5.57	4.25	24.12	19.50	35.43	16.70	G
9	30	88	274	12.0	7.70	22.1	346.4	279.0	0.778	0.355	6.24	7.53	4.58	17.87	34.97	32.36	10.21	G
9	30	88	274	15.0	7.23	24.5	55.5	287.1	0.740	0.251	7.11	9.85	13.43	33.49	16.97	27.65	8.46	G
9	30	88	274	18.0	6.88	27.8	138.5	291.1	0.798	0.197	7.53	7.53	8.04	37.39	37.36	11.02	6.19	G
9	30	88	274	21.0	7.15	17.4	212.6	288.9	0.825	0.217	6.92	7.53	4.55	25.03	48.59	18.74	3.09	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	1	88	275	0.0	7.44	7.1	267.5	285.7	0.763	0.273	6.32	11.64	3.73	35.31	28.69	20.82	11.44	G
10	1	88	275	3.0	7.11	15.7	69.1	289.2	0.769	0.228	7.21	8.53	5.00	54.80	16.91	17.62	5.68	G
10	1	88	275	6.0	6.80	23.0	134.6	296.0	0.814	0.154	7.53	9.85	6.26	57.83	15.95	16.23	3.73	G
10	1	88	275	9.0	7.12	12.0	222.7	290.5	0.814	0.208	7.11	8.53	4.09	40.42	24.93	24.89	5.67	G
10	1	88	275	12.0	7.53	18.5	329.4	286.0	0.788	0.278	6.40	11.64	4.01	44.10	18.71	21.36	11.81	G
10	1	88	275	15.0	7.28	28.9	28.6	280.8	0.797	0.233	6.65	8.53	6.36	47.55	14.60	24.18	7.30	G
10	1	88	275	18.0	6.84	18.8	73.7	290.1	0.702	0.171	7.53	9.85	13.17	52.54	14.67	10.73	8.88	G
10	1	88	275	21.0	6.85	13.1	166.6	287.6	0.814	0.200	7.01	9.85	5.44	56.06	16.00	11.92	10.58	G
10	2	88	276	0.0	7.21	16.7	299.3	284.5	0.801	0.230	6.32	9.85	3.26	41.22	17.62	25.63	12.28	G
10	2	88	276	3.0	7.09	18.5	27.8	288.5	0.810	0.232	7.76	11.64	7.68	60.05	15.33	11.53	5.40	G
10	2	88	276	6.0	6.75	19.8	99.1	287.1	0.771	0.169	8.39	11.64	4.96	65.73	15.32	7.78	6.21	G
10	2	88	276	9.0	6.84	20.5	182.9	294.1	0.736	0.149	8.39	9.85	11.91	49.68	25.96	6.78	5.67	G
10	2	88	276	12.0	7.29	14.1	302.3	289.1	0.753	0.220	6.83	8.53	5.03	44.10	17.13	22.14	11.59	G
10	2	88	276	15.0	7.27	15.8	5.0	271.1	0.770	0.244	6.48	11.64	12.01	33.00	24.12	11.93	18.94	G
10	2	88	276	18.0	6.89	20.9	68.7	283.0	0.711	0.210	6.65	8.53	5.47	47.29	15.82	22.02	9.40	G
10	2	88	276	21.0	6.73	19.1	139.8	297.9	0.788	0.168	6.10	8.53	5.23	34.38	28.17	18.11	14.11	G
10	3	88	277	0.0	7.08	14.4	227.9	284.8	0.761	0.204	6.56	9.85	8.04	40.00	19.38	18.06	14.51	G
10	3	88	277	3.0	7.17	7.2	26.2	281.8	0.805	0.210	6.32	8.53	3.24	49.33	6.95	29.78	10.70	G
10	3	88	277	6.0	6.88	24.9	93.6	281.8	0.849	0.185	7.01	8.53	5.60	45.30	13.67	27.94	7.48	G
10	3	88	277	9.0	6.80	34.5	157.9	294.6	0.734	0.189	6.48	8.53	2.36	33.77	22.36	36.25	5.26	G
10	3	88	277	12.0	7.21	14.7	179.6	284.5	0.787	0.273	6.10	8.53	3.12	31.54	9.65	44.07	11.62	G
10	3	88	277	15.0	7.44	7.7	57.2	285.2	0.600	0.355	5.33	3.66	4.51	20.75	9.29	32.60	32.86	G
10	3	88	277	18.0	7.24	17.7	45.5	189.7	0.751	0.612	4.88	4.74	2.88	8.60	6.27	68.56	13.69	G
10	3	88	277	21.0	6.95	18.2	117.7	196.1	0.775	0.548	4.41	4.74	2.82	10.24	5.39	64.65	16.91	G
10	4	88	278	0.0	7.18	8.8	251.0	190.3	0.592	0.433	4.57	3.88	3.60	17.74	13.10	35.43	30.14	G
10	4	88	278	3.0	7.48	18.7	335.9	189.6	0.557	0.561	5.22	4.74	2.74	13.40	13.42	57.04	13.40	G
10	4	88	278	6.0	7.34	20.8	23.2	204.1	0.668	0.794	5.22	5.12	1.97	11.11	13.67	61.42	11.83	G
10	4	88	278	9.0	7.11	17.7	123.6	190.1	0.848	1.096	4.88	5.57	1.48	4.04	14.45	68.70	11.33	G
10	4	88	278	12.0	7.34	15.1	205.7	186.1	0.799	0.979	5.22	5.12	2.79	8.39	13.75	64.99	10.08	G
10	4	88	278	15.0	7.69	15.1	305.4	197.4	0.739	0.833	5.22	5.12	2.93	11.17	16.01	53.66	16.23	G
10	4	88	278	18.0	7.65	24.6	9.2	193.4	0.661	0.785	5.45	5.57	2.39	11.91	22.47	55.87	7.36	G
10	4	88	278	21.0	7.26	24.5	75.8	208.3	0.595	0.668	5.45	8.53	1.70	28.85	18.36	41.46	9.64	G
10	5	88	279	0.0	7.31	13.0	44.1	276.1	0.617	0.552	5.82	8.53	2.85	30.30	30.10	25.31	11.44	G
10	5	88	279	3.0	7.61	14.5	2.5	287.3	0.656	0.430	6.40	8.53	4.48	46.65	20.76	19.15	8.96	G
10	5	88	279	6.0	7.58	21.2	9.3	276.8	0.701	0.396	7.01	8.53	8.33	43.38	15.92	21.21	11.15	G
10	5	88	279	9.0	7.25	11.3	78.9	283.9	0.773	0.266	7.01	8.53	13.47	33.25	26.04	18.28	8.95	G
10	5	88	279	12.0	7.33	13.3	143.9	302.5	0.667	0.292	6.48	9.85	7.99	43.13	22.09	7.40	19.39	G
10	5	88	279	15.0	7.71	11.0	245.2	338.0	0.580	0.326	6.40	9.85	12.28	31.38	12.00	27.67	16.67	G
10	5	88	279	18.0	7.76	8.3	20.9	289.7	0.703	0.322	8.26	8.53	6.12	49.67	22.19	16.51	5.51	G
10	5	88	279	21.0	7.35	18.2	97.3	281.7	0.610	0.288	6.56	11.64	9.08	39.00	16.09	14.04	21.80	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	21	88	295	0.1	7.00	10.7	144.3	289.6	0.671	0.229	7.01	9.85	7.84	57.62	8.80	3.68	22.07	G
10	21	88	295	3.1	7.48	14.1	311.0	289.1	0.822	0.241	6.83	11.64	7.34	59.56	9.59	6.30	17.21	G
10	21	88	295	6.1	7.42	24.5	9.9	274.9	0.767	0.224	7.76	11.64	14.06	42.20	10.85	16.78	16.11	G
10	21	88	295	9.1	6.89	20.3	103.9	295.2	0.730	0.196	6.56	14.22	19.84	26.94	8.68	32.04	12.50	G
10	21	88	295	12.1	6.87	23.7	174.8	244.5	0.657	0.234	5.75	11.64	3.52	48.36	7.98	19.46	20.68	G
10	21	88	295	15.1	7.42	19.2	271.7	289.2	0.815	0.319	5.28	5.57	4.77	16.52	15.54	51.70	11.48	G
10	21	88	295	18.1	7.51	27.8	354.4	278.0	0.790	0.303	5.28	4.41	5.78	17.79	20.43	43.12	12.88	G
10	21	88	295	21.1	6.81	33.0	83.1	51.3	0.673	0.254	5.45	11.64	8.03	28.57	14.62	23.56	25.22	G
10	22	88	296	0.1	6.59	36.3	167.8	304.9	0.655	0.174	5.89	8.53	7.06	38.34	23.00	10.68	20.91	G
10	22	88	296	3.1	7.18	25.9	243.9	268.5	0.617	0.313	6.56	8.53	2.36	42.45	30.20	3.65	21.34	G
10	22	88	296	6.1	7.38	18.9	316.0	260.2	0.646	0.310	6.65	6.74	8.86	25.28	23.91	16.68	25.27	G
10	22	88	296	9.1	6.95	31.5	61.7	288.3	0.577	0.207	6.24	9.85	7.88	62.08	6.55	6.35	17.14	G
10	22	88	296	12.1	6.57	35.2	159.5	314.9	0.748	0.133	7.42	9.85	10.47	61.59	8.34	1.52	18.08	G
10	22	88	296	15.1	7.06	23.9	225.5	277.0	0.607	0.250	6.83	9.85	12.16	42.52	21.98	3.17	20.17	G
10	22	88	296	18.1	7.45	22.1	315.5	285.3	0.660	0.243	8.26	9.85	8.93	53.41	15.48	6.08	16.11	G
10	22	88	296	21.1	7.02	19.7	72.5	271.2	0.565	0.192	8.98	14.22	33.20	40.15	11.05	3.39	12.21	G
10	23	88	297	0.1	6.57	38.4	161.7	50.8	0.869	0.078	4.38	14.22	23.42	24.52	2.67	10.02	39.36	S
10	23	88	297	3.1	7.04	29.0	222.6	242.7	0.634	0.166	7.42	9.85	6.60	60.66	10.56	3.45	18.73	G
10	23	88	297	6.1	7.51	24.9	320.5	317.1	0.631	0.143	8.53	11.64	4.59	74.17	8.25	5.02	7.97	G
10	23	88	297	9.1	7.17	19.7	41.8	300.2	0.759	0.175	9.85	11.64	9.89	71.58	1.94	3.70	12.90	G
10	23	88	297	12.1	6.56	36.0	136.4	327.6	0.672	0.131	4.88	9.85	7.81	25.29	11.75	29.92	25.23	G
10	23	88	297	15.1	6.78	33.1	193.2	349.9	0.558	0.120	7.11	8.53	7.47	49.67	16.17	9.67	17.03	G
10	23	88	297	18.1	7.32	28.5	305.2	283.1	0.624	0.140	7.21	9.85	7.38	47.04	20.74	15.92	8.92	G
10	23	88	297	21.1	7.05	28.9	26.7	274.0	0.637	0.135	8.00	11.64	17.05	55.69	7.75	7.19	12.32	G
10	24	88	298	0.1	6.45	32.6	124.6	308.1	0.740	0.084	7.64	14.22	40.73	30.74	4.29	5.79	18.46	G
10	24	88	298	3.1	6.60	25.8	195.1	7.2	0.690	0.209	3.79	9.85	5.58	25.14	6.23	9.93	53.13	G
10	24	88	298	6.1	7.31	35.7	316.8	303.2	0.605	0.152	4.16	8.53	6.00	39.60	8.00	13.41	33.00	G
10	24	88	298	9.1	7.24	43.1	14.0	49.1	0.696	0.126	4.74	14.22	27.51	29.55	7.21	10.74	24.99	G
10	24	88	298	12.1	6.55	32.0	114.2	332.5	0.568	0.088	4.74	11.64	16.18	38.09	3.84	7.21	34.69	G
10	24	88	298	15.1	6.51	36.2	178.8	262.4	0.551	0.106	4.97	14.22	16.13	22.67	4.16	24.20	32.84	G
10	24	88	298	18.1	7.22	28.3	278.1	283.9	0.858	0.170	5.33	6.10	11.27	21.34	26.68	26.33	14.38	G
10	24	88	298	21.1	7.22	21.4	359.4	272.6	0.760	0.179	7.42	11.64	10.10	49.61	11.54	21.91	6.83	G
10	25	88	299	0.1	6.70	42.1	135.5	208.0	0.585	0.097	5.02	9.85	17.39	37.59	9.37	6.95	28.70	G
10	25	88	299	3.1	6.68	39.0	184.7	212.5	0.715	0.136	4.16	4.13	5.08	12.66	7.50	27.84	46.92	G
10	25	88	299	6.1	7.51	31.9	295.8	239.3	0.785	0.161	6.02	6.74	5.69	18.19	32.66	34.14	9.31	S
10	25	88	299	9.1	7.60	33.3	1.8	174.9	0.812	0.139	6.83	14.22	52.45	18.68	6.38	7.39	15.10	S
10	25	88	299	12.1	6.90	31.2	75.9	283.7	0.537	0.154	7.01	14.22	35.56	35.73	4.32	7.11	17.28	G
10	25	88	299	15.1	6.64	34.0	163.4	348.0	0.601	0.096	5.82	5.12	17.44	22.60	7.42	38.77	13.77	G
10	25	88	299	18.1	7.17	21.6	266.4	296.3	0.759	0.165	8.00	9.85	21.51	37.94	22.26	10.08	8.21	G
10	25	88	299	21.1	7.34	23.0	347.8	294.0	0.692	0.145	9.85	9.85	20.64	54.60	9.86	3.83	11.08	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	26	88	300	0.1	6.78	28.2	85.3	57.8	0.642	0.134	7.21	11.64	20.91	42.62	8.25	6.77	21.45	G
10	26	88	300	3.1	6.50	45.1	168.4	294.2	0.542	0.059	6.92	14.22	38.54	19.91	5.12	14.71	21.74	G
10	26	88	300	6.1	7.15	27.3	247.6	289.4	0.629	0.165	7.31	14.22	23.64	22.54	25.87	17.70	10.26	G
10	26	88	300	9.1	7.55	30.0	333.7	295.5	0.679	0.130	6.56	14.22	20.48	33.31	7.50	12.46	26.25	G
10	26	88	300	12.1	7.05	26.4	67.3	280.9	0.565	0.154	9.31	14.22	32.83	42.37	3.99	10.07	10.74	G
10	26	88	300	15.1	6.56	41.9	155.1	157.1	0.671	0.101	4.61	4.41	12.41	16.49	5.27	43.70	22.13	G
10	26	88	300	18.1	7.00	33.2	214.7	294.6	0.652	0.132	8.98	11.64	18.60	61.03	9.15	5.16	6.06	G
10	26	88	300	21.1	7.44	17.6	304.0	290.7	0.653	0.142	8.68	11.64	13.94	45.45	20.67	11.88	8.07	G
10	27	88	301	0.1	7.14	18.3	66.2	196.0	0.685	0.252	4.83	14.22	21.40	23.69	3.80	9.01	42.10	G
10	27	88	301	3.1	6.68	34.9	151.7	183.7	0.754	0.309	4.34	3.88	3.95	0.77	24.36	25.24	45.67	G
10	27	88	301	6.1	7.12	22.5	230.0	196.0	0.674	0.235	4.45	11.64	3.34	34.31	3.83	8.69	49.84	G
10	27	88	301	9.1	7.70	36.3	328.2	189.3	0.591	0.171	4.23	3.66	4.93	22.17	7.22	11.54	54.13	G
10	27	88	301	12.1	7.38	32.2	25.6	233.6	0.547	0.204	6.02	11.64	26.14	41.08	3.01	9.09	20.68	G
10	27	88	301	15.1	6.75	30.5	122.1	240.3	0.588	0.126	4.45	11.64	12.07	29.05	5.01	18.65	35.21	G
10	27	88	301	18.1	6.89	27.3	190.9	293.2	0.669	0.164	4.23	11.64	6.21	26.68	13.01	22.35	31.74	G
10	27	88	301	21.1	7.38	27.0	295.1	285.2	0.797	0.204	4.83	11.64	4.29	29.38	16.29	20.24	29.80	G
10	28	88	302	0.1	7.18	17.7	33.5	285.1	0.770	0.221	5.51	11.64	8.39	44.38	9.47	16.16	21.60	G
10	28	88	302	3.1	6.67	27.0	131.8	288.3	0.745	0.159	4.97	4.41	3.40	9.27	3.96	63.88	19.49	G
10	28	88	302	6.1	6.83	25.4	189.9	297.8	0.678	0.145	5.39	4.13	5.95	21.05	8.69	48.99	15.32	G
10	28	88	302	9.1	7.44	30.8	305.6	287.6	0.638	0.158	5.39	9.85	4.08	34.64	19.83	20.00	21.46	G
10	28	88	302	12.1	7.36	29.6	9.4	265.6	0.624	0.143	6.83	9.85	7.77	56.57	14.57	9.70	11.39	G
10	28	88	302	15.1	6.75	20.3	82.6	288.2	0.605	0.136	6.48	9.85	3.47	54.51	13.25	16.97	11.80	G
10	28	88	302	18.1	6.70	25.2	169.0	304.2	0.646	0.115	5.69	9.85	11.14	38.70	9.06	18.76	22.34	G
10	28	88	302	21.1	7.19	23.4	248.0	242.1	0.741	0.160	6.24	9.85	4.45	31.22	16.76	30.09	17.49	G
10	29	88	303	0.1	7.30	6.9	309.0	290.0	0.790	0.185	5.75	11.64	6.29	25.15	18.04	35.71	14.82	G
10	29	88	303	3.1	6.91	30.7	148.5	197.8	0.843	0.515	4.13	4.41	1.81	1.83	2.55	71.26	22.56	G
10	29	88	303	6.1	6.90	35.5	186.7	196.6	0.811	0.484	4.23	4.41	1.60	2.25	2.57	75.84	17.73	G
10	29	88	303	9.1	7.47	21.9	277.5	188.2	0.835	0.495	4.45	4.74	2.26	3.74	4.08	74.24	15.68	G
10	29	88	303	12.1	7.57	25.1	350.4	193.1	0.634	0.309	4.88	4.74	3.95	8.64	12.55	60.28	14.57	G
10	29	88	303	15.1	7.06	26.5	54.7	198.6	0.599	0.264	5.33	4.41	6.45	18.21	12.69	46.13	16.53	G
10	29	88	303	18.1	6.80	21.3	137.7	192.7	0.573	0.189	5.28	9.85	3.95	30.77	10.04	29.83	25.41	G
10	29	88	303	21.1	7.10	9.1	250.8	289.6	0.674	0.168	5.75	9.85	3.22	25.76	34.71	17.08	19.23	G
10	30	88	304	0.1	7.32	21.9	340.4	245.6	0.671	0.154	7.21	11.64	5.85	47.05	27.09	12.03	7.97	G
10	30	88	304	3.1	6.99	18.1	69.4	293.3	0.667	0.156	7.53	9.85	9.06	45.00	25.28	10.14	10.53	G
10	30	88	304	6.1	6.81	28.9	156.2	179.5	0.729	0.142	4.03	8.53	11.21	19.06	11.50	7.20	51.03	G
10	30	88	304	9.1	7.19	20.6	228.2	184.7	0.613	0.231	4.34	3.46	3.47	14.03	17.72	21.64	43.14	G
10	30	88	304	12.1	7.52	18.7	325.7	163.2	0.689	0.211	4.41	9.85	4.04	29.16	11.41	31.25	24.15	G
10	30	88	304	15.1	7.22	18.9	49.4	194.9	0.715	0.305	4.57	3.88	5.46	19.29	8.52	28.52	38.20	G
10	30	88	304	18.1	6.90	24.2	130.9	191.9	0.748	0.238	4.20	4.41	6.20	16.04	9.57	28.91	39.27	G
10	30	88	304	21.1	7.03	19.6	189.1	191.8	0.797	0.342	4.13	4.13	5.80	8.59	6.15	51.29	28.17	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	31	88	305	0.1	7.42	20.3	300.7	214.4	0.610	0.255	3.97	4.13	4.90	16.74	12.96	32.18	33.22	G
10	31	88	305	3.1	7.27	17.2	22.6	201.7	0.587	0.299	4.53	4.74	5.15	8.18	6.47	60.27	19.93	G
10	31	88	305	6.1	6.93	16.6	107.2	194.0	0.570	0.268	4.38	3.88	3.68	8.91	10.15	31.85	45.41	G
10	31	88	305	9.1	7.10	15.5	204.1	176.5	0.672	0.274	4.23	4.13	6.30	10.55	10.47	42.81	29.86	G
10	31	88	305	12.1	7.47	23.2	315.0	312.0	0.579	0.239	5.12	5.12	10.31	14.60	11.86	34.24	28.99	G
10	31	88	305	15.1	7.36	29.9	9.8	264.2	0.654	0.218	5.69	14.22	29.99	5.48	20.61	18.47	25.45	G
10	31	88	305	18.1	6.97	17.8	63.5	280.0	0.690	0.214	5.75	14.22	17.50	16.89	17.39	30.28	17.94	G
10	31	88	305	21.1	6.94	20.3	159.4	293.1	0.734	0.213	5.82	14.22	19.30	7.26	24.39	32.26	16.79	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
11	1	88	306	0.1	7.29	13.6	281.8	287.8	0.836	0.271	6.65	6.74	14.67	18.24	30.47	23.35	13.26	G
11	1	88	306	3.1	7.27	14.2	343.0	284.7	0.720	0.275	5.39	5.12	10.22	23.84	14.14	35.47	16.33	G
11	1	88	306	6.1	7.09	7.4	85.2	224.8	0.747	0.789	4.34	4.41	2.52	1.15	3.87	77.74	14.73	G
11	1	88	306	9.1	7.12	14.2	174.0	174.3	0.599	0.635	4.74	5.12	6.35	6.70	17.48	45.78	23.69	G
11	1	88	306	12.1	7.42	13.9	295.0	183.8	0.591	0.726	5.02	4.74	5.11	3.93	26.87	51.29	12.80	G
11	1	88	306	15.1	7.53	21.4	351.5	305.5	0.560	0.841	5.82	7.53	3.07	17.20	32.50	37.63	9.62	G
11	1	88	306	18.1	7.17	23.8	57.7	315.3	0.582	0.637	6.56	9.85	3.08	29.56	23.99	30.84	12.54	G
11	1	88	306	21.1	6.94	19.4	124.9	337.4	0.596	0.441	6.10	9.85	3.45	38.62	14.01	29.20	14.71	G
11	2	88	307	0.1	7.19	8.9	284.5	311.6	0.674	0.396	6.65	7.53	6.92	35.08	29.02	9.42	19.55	G
11	2	88	307	3.1	7.35	15.1	337.1	294.9	0.775	0.317	8.39	8.53	6.35	71.55	8.17	7.53	6.39	G
11	2	88	307	6.1	7.06	16.1	50.5	289.7	0.782	0.247	8.39	8.53	3.68	71.12	9.76	3.47	11.97	G
11	2	88	307	9.1	6.90	30.4	149.1	153.4	0.779	0.295	4.83	9.85	6.55	43.64	7.50	3.71	38.60	G
11	2	88	307	12.1	7.19	19.5	208.3	164.1	0.769	0.291	4.79	3.46	4.97	32.33	8.38	3.20	51.11	G
11	2	88	307	15.1	7.34	8.3	235.9	175.0	0.812	0.344	4.45	9.85	10.09	23.09	2.80	25.47	38.54	G
11	2	88	307	18.1	7.06	10.5	125.7	181.7	0.740	0.258	5.02	4.74	14.85	26.17	1.15	31.71	26.12	G
11	2	88	307	21.1	6.76	37.5	158.5	335.4	0.686	0.144	5.82	14.22	39.95	17.46	1.82	19.28	21.49	G
11	3	88	308	0.1	6.83	27.4	191.8	180.6	0.573	0.122	5.75	9.85	18.96	38.30	4.24	7.64	30.85	G
11	3	88	308	3.1	7.08	14.0	273.2	292.4	0.715	0.157	8.13	9.85	19.31	59.30	5.03	3.41	12.95	G
11	3	88	308	6.1	6.92	9.6	45.6	293.0	0.528	0.154	8.00	9.85	22.89	42.98	7.67	9.75	16.71	G
11	3	88	308	9.1	6.59	26.1	133.1	296.4	0.678	0.099	8.00	14.22	37.07	43.48	3.27	4.51	11.67	G
11	3	88	308	12.1	6.70	27.3	186.8	271.5	0.626	0.116	9.66	9.85	16.93	71.71	3.78	3.01	4.56	G
11	3	88	308	15.1	7.00	10.4	292.2	305.7	0.718	0.146	9.31	14.22	46.69	37.23	4.82	5.53	5.73	G
11	3	88	308	18.1	6.94	15.1	7.4	285.2	0.663	0.161	8.39	14.22	37.02	26.82	3.22	20.36	12.58	G
11	3	88	308	21.1	6.53	17.8	87.4	299.1	0.552	0.110	8.39	11.64	19.27	59.35	3.92	6.96	10.49	G
11	4	88	309	0.1	6.57	14.5	179.0	292.7	0.664	0.121	8.26	11.64	12.47	59.12	10.52	6.30	11.58	G
11	4	88	309	3.1	6.98	20.8	293.5	286.7	0.740	0.125	8.39	11.64	8.01	53.94	11.39	15.02	11.64	G
11	4	88	309	6.1	6.98	22.6	359.9	265.2	0.641	0.127	7.42	11.64	13.77	46.10	10.10	10.38	19.64	G
11	4	88	309	9.1	6.62	22.5	70.1	289.2	0.620	0.122	8.13	9.85	16.34	51.51	10.11	9.39	12.64	G
11	4	88	309	12.1	6.63	16.8	166.3	306.5	0.759	0.123	8.26	11.64	15.58	55.35	10.29	5.71	13.07	G
11	4	88	309	15.1	7.00	12.2	272.3	286.8	0.790	0.170	6.65	11.64	19.12	40.43	15.39	10.98	14.09	G
11	4	88	309	18.1	7.11	26.8	351.0	274.7	0.705	0.131	7.11	11.64	21.46	36.85	7.17	24.79	9.74	G
11	4	88	309	21.1	6.78	19.8	44.0	290.9	0.835	0.170	6.92	11.64	16.02	38.58	12.36	18.68	14.36	G
11	5	88	310	0.1	6.67	12.7	161.7	289.1	0.865	0.190	6.40	11.64	5.99	33.10	10.47	39.74	10.70	G
11	5	88	310	3.1	7.12	20.2	280.7	276.1	0.885	0.362	5.82	6.10	1.99	9.49	49.41	20.65	18.46	G
11	5	88	310	6.1	7.33	37.1	353.6	267.7	0.737	0.423	6.56	8.53	3.04	27.14	34.26	20.02	15.54	G
11	5	88	310	9.1	6.98	24.2	8.1	269.9	0.778	0.266	6.56	7.53	4.53	21.73	37.44	20.11	16.19	G
11	5	88	310	12.1	6.71	4.7	118.3	273.7	0.859	0.324	6.56	7.53	3.69	34.16	30.17	12.71	19.27	G
11	5	88	310	15.1	7.05	7.3	287.7	278.8	0.825	0.432	6.02	7.53	2.29	17.86	44.72	21.86	13.27	G
11	5	88	310	18.1	7.22	12.8	357.3	278.4	0.819	0.366	7.01	9.85	4.72	37.65	22.24	28.86	6.52	G
11	5	88	310	21.1	6.96	9.6	44.7	283.4	0.805	0.366	8.13	9.85	4.00	63.38	17.72	12.96	1.93	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
11	6	88	311	0.1	6.71	25.3	169.7	295.0	0.806	0.286	8.00	9.85	1.50	62.99	22.47	6.85	6.19	G
11	6	88	311	3.1	7.09	20.5	221.3	302.8	0.700	0.398	6.32	9.85	3.18	39.11	23.09	15.90	18.72	G
11	6	88	311	6.1	7.39	9.2	282.4	283.7	0.800	0.328	6.65	9.85	7.59	29.06	31.46	17.24	14.64	G
11	6	88	311	9.1	7.12	3.5	160.2	283.1	0.748	0.230	6.74	9.85	6.09	49.04	23.17	10.93	10.77	G
11	6	88	311	12.1	6.74	22.4	181.0	278.8	0.742	0.185	7.53	9.85	4.04	63.24	9.73	14.33	8.66	G
11	6	88	311	15.1	6.94	24.7	200.7	38.6	0.619	0.268	5.02	8.53	3.70	44.36	11.10	12.15	28.69	G
11	6	88	311	18.1	7.32	7.3	260.8	283.7	0.865	0.292	6.48	8.53	4.99	30.14	25.10	28.34	11.43	G
11	6	88	311	21.1	7.09	11.8	132.3	276.1	0.658	0.184	5.75	9.85	7.14	48.37	9.09	13.65	21.75	G
11	7	88	312	0.1	6.59	38.4	141.1	63.1	0.669	0.152	3.63	3.12	2.25	18.74	17.89	5.95	55.17	G
11	7	88	312	3.1	6.83	34.4	195.5	280.5	0.750	0.166	5.95	8.53	4.07	22.59	34.71	30.24	8.40	G
11	7	88	312	6.1	7.38	19.3	293.1	275.5	0.792	0.268	5.57	7.53	2.43	18.35	37.45	29.64	12.14	G
11	7	88	312	9.1	7.14	24.5	38.2	265.5	0.667	0.171	5.82	8.53	3.91	43.58	20.87	9.56	22.08	G
11	7	88	312	15.3	6.81	32.7	199.0	262.7	0.511	0.101	6.10	7.53	4.47	29.95	28.59	18.10	18.88	G
11	7	88	312	18.3	7.24	18.8	259.2	279.0	0.758	0.172	5.82	7.53	2.87	13.67	44.82	28.63	10.01	G
11	7	88	312	21.3	7.09	7.2	30.5	279.8	0.808	0.179	7.21	8.53	4.06	43.60	21.79	19.45	11.10	G
11	8	88	313	0.3	6.70	22.3	146.2	290.4	0.758	0.100	7.11	9.85	11.91	41.49	20.12	16.92	9.56	G
11	8	88	313	3.3	6.90	26.3	206.8	315.4	0.609	0.172	4.65	5.12	6.02	12.44	18.83	32.89	29.82	G
11	8	88	313	6.3	7.37	23.7	304.0	277.9	0.846	0.185	5.45	7.53	3.53	16.73	36.81	30.12	12.81	G
11	8	88	313	9.3	7.25	31.6	13.7	276.7	0.572	0.170	5.75	8.53	10.20	27.03	20.46	26.44	15.86	G
11	8	88	313	12.3	6.64	21.6	93.5	283.2	0.718	0.118	6.74	14.22	27.71	26.06	16.61	21.32	8.30	G
11	8	88	313	15.3	6.62	22.3	180.8	270.0	0.850	0.085	5.63	11.64	14.30	26.54	13.35	24.26	21.55	S
11	8	88	313	18.3	7.10	21.6	261.7	276.2	0.760	0.160	6.02	6.10	6.99	21.52	32.88	18.85	19.76	G
11	8	88	313	21.3	7.09	10.8	4.9	279.5	0.924	0.172	6.92	14.22	20.62	28.24	16.45	14.96	19.73	S
11	9	88	314	0.3	6.64	29.0	139.8	281.1	0.913	0.105	6.32	4.74	17.55	16.50	12.55	45.87	7.52	S
11	9	88	314	3.3	6.79	43.1	193.9	267.8	0.779	0.111	3.74	4.74	6.28	14.56	7.00	23.28	48.88	S
11	9	88	314	6.3	7.39	25.7	262.5	228.1	0.622	0.455	4.30	4.41	3.36	5.74	5.00	65.47	20.44	S
11	9	88	314	9.3	7.48	23.5	350.0	286.2	0.759	0.234	4.65	4.41	5.78	12.49	5.43	59.27	17.02	S
11	9	88	314	12.3	6.87	24.4	78.2	282.5	0.800	0.249	4.57	4.41	3.14	15.96	9.12	52.01	19.76	S
11	9	88	314	15.3	6.70	20.8	160.6	226.7	0.508	0.148	4.06	3.66	6.87	16.98	9.62	27.11	39.40	G
11	9	88	314	18.3	7.16	23.4	271.0	275.5	0.606	0.159	5.28	11.64	5.52	29.13	9.49	28.86	27.00	G
11	9	88	314	21.3	7.26	27.2	345.6	236.2	0.538	0.125	6.48	11.64	7.15	35.72	16.83	20.69	19.61	G
11	10	88	315	0.3	6.81	22.0	61.2	278.7	0.640	0.131	7.01	11.64	14.76	48.04	10.97	14.57	11.66	G
11	10	88	315	3.3	6.69	14.6	161.1	278.0	0.673	0.110	7.53	11.64	8.94	46.20	24.77	9.84	10.25	G
11	10	88	315	6.3	7.25	23.1	287.5	285.1	0.792	0.148	6.24	7.53	8.72	29.19	32.89	10.47	18.74	G
11	10	88	315	9.3	7.44	38.1	353.2	282.0	0.687	0.113	5.02	8.53	10.22	39.70	9.44	13.77	26.87	S
11	10	88	315	12.3	6.94	29.2	35.0	286.6	0.711	0.138	5.51	5.12	16.32	14.54	12.88	33.76	22.50	S
11	10	88	315	15.3	6.58	22.7	146.4	287.0	0.851	0.194	5.07	7.53	5.08	15.55	31.39	24.94	23.04	S
11	10	88	315	18.3	6.97	16.8	233.7	290.9	0.761	0.194	5.07	6.74	13.04	13.17	21.39	23.04	29.36	G
11	10	88	315	21.3	7.23	17.2	312.2	276.6	0.703	0.175	5.57	6.74	10.18	16.14	23.22	29.75	20.71	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
11	11	88	316	0.3	6.90	17.3	128.2	282.3	0.853	0.152	6.65	5.57	8.45	28.29	24.08	33.00	6.17	G
11	11	88	316	3.3	6.69	33.0	166.2	187.1	0.650	0.077	5.45	5.12	7.12	21.31	13.47	41.03	17.07	G
11	11	88	316	6.3	7.21	31.3	230.6	272.0	0.865	0.199	4.74	4.74	3.49	6.19	28.41	45.29	16.62	S
11	11	88	316	9.3	7.55	20.6	313.9	281.7	0.675	0.169	5.33	6.74	4.66	14.33	25.92	35.06	20.04	G
11	11	88	316	12.3	7.17	20.1	52.5	279.7	0.775	0.236	4.27	3.66	3.05	7.53	14.26	28.17	46.99	S
11	11	88	316	15.3	6.77	31.2	146.4	188.2	0.568	0.426	4.30	5.12	1.87	0.91	9.19	66.15	21.87	G
11	11	88	316	18.3	7.03	19.1	215.7	209.9	0.596	0.318	4.03	4.41	3.87	2.60	4.57	61.57	27.39	S
11	11	88	316	21.3	7.44	16.3	275.1	194.4	0.786	0.389	4.23	4.13	5.31	5.42	4.11	59.24	25.92	G
11	12	88	317	0.3	7.18	12.0	84.1	254.3	0.537	0.525	4.61	5.12	2.00	1.99	12.38	73.95	9.68	S
11	12	88	317	3.3	6.79	24.7	142.5	231.2	0.658	0.527	4.27	4.74	1.90	1.34	1.80	77.77	17.19	S
11	12	88	317	6.3	7.11	17.4	234.6	229.3	0.577	0.327	4.13	4.13	2.03	3.66	5.51	61.51	27.30	S
11	12	88	317	9.3	7.59	29.4	320.1	268.3	0.813	0.270	4.41	4.74	1.81	4.89	4.31	67.66	21.33	S
11	12	88	317	12.3	7.36	32.7	21.4	276.8	0.814	0.223	4.41	4.41	4.67	8.97	11.07	47.26	28.03	S
11	12	88	317	15.3	6.79	20.6	93.2	276.8	0.686	0.180	4.61	4.13	5.54	9.13	22.37	33.88	29.07	G
11	12	88	317	18.3	6.93	13.7	200.5	280.7	0.741	0.155	4.53	8.53	2.64	18.63	26.01	19.99	32.74	G
11	12	88	317	21.3	7.40	28.3	306.3	274.0	0.919	0.214	4.03	6.10	3.46	8.25	17.27	32.07	38.94	S
11	13	88	318	0.3	7.27	27.1	16.0	276.9	0.876	0.319	4.61	4.74	2.98	4.72	11.88	54.40	26.03	G
11	13	88	318	3.3	6.80	15.4	101.2	277.0	0.849	0.222	4.57	5.57	2.79	5.32	17.38	49.50	25.01	G
11	13	88	318	6.3	6.92	23.1	188.3	279.1	0.859	0.242	5.02	5.12	2.50	4.77	10.50	73.46	8.77	G
11	13	88	318	9.3	7.44	21.5	300.6	279.0	0.861	0.324	5.22	5.12	2.41	6.68	26.57	45.99	18.37	G
11	13	88	318	12.3	7.41	31.4	0.3	275.4	0.741	0.302	5.89	5.57	2.54	7.65	39.43	43.06	7.32	G
11	13	88	318	15.3	6.87	22.9	88.3	279.2	0.810	0.240	7.11	8.53	2.26	40.32	39.90	12.91	4.62	G
11	13	88	318	18.3	6.79	25.6	167.9	272.2	0.717	0.195	6.56	6.74	2.06	7.20	69.76	15.05	5.93	G
11	13	88	318	21.3	7.20	22.5	242.9	284.3	0.865	0.356	6.10	6.10	0.80	2.23	85.49	9.07	2.42	G
11	14	88	319	0.3	7.27	7.3	322.5	283.5	0.870	0.297	6.48	6.10	1.23	7.84	71.03	16.16	3.73	G
11	14	88	319	3.3	6.87	16.5	133.3	289.8	0.811	0.175	6.40	6.74	2.14	14.30	58.01	20.82	4.73	G
11	14	88	319	6.3	6.84	27.5	171.6	266.2	0.639	0.180	5.57	6.10	16.03	7.83	34.17	13.02	28.95	G
11	14	88	319	9.3	7.35	21.8	272.9	278.4	0.776	0.253	5.69	6.10	3.38	3.99	38.91	44.48	9.24	G
11	14	88	319	12.3	7.48	26.6	354.7	272.8	0.737	0.201	5.95	7.53	7.20	10.60	47.44	25.73	9.02	G
11	14	88	319	15.3	7.03	26.3	42.4	288.6	0.646	0.188	7.01	7.53	6.56	34.38	35.63	14.83	8.60	G
11	14	88	319	18.3	6.78	15.2	141.8	278.2	0.875	0.198	7.21	7.53	5.68	25.54	59.36	3.22	6.20	G
11	14	88	319	21.3	7.07	11.9	246.8	285.0	0.839	0.247	7.01	6.74	2.02	15.98	53.04	24.99	3.97	G
11	15	88	320	0.3	7.29	13.2	320.7	283.0	0.791	0.245	6.74	8.53	3.87	26.50	33.16	29.35	7.11	G
11	15	88	320	3.3	6.93	11.3	85.2	278.7	0.816	0.201	7.42	8.53	12.57	35.38	37.26	11.57	3.22	G
11	15	88	320	6.3	6.70	24.3	157.7	299.4	0.507	0.098	6.40	6.10	10.88	22.45	44.98	14.82	6.87	G
11	15	88	320	9.3	7.05	29.3	223.9	279.7	0.735	0.186	6.74	6.74	5.70	9.72	42.83	32.39	9.37	G
11	15	88	320	12.3	7.40	13.4	278.7	276.1	0.826	0.251	5.51	6.74	3.78	5.65	42.13	38.97	9.47	G
11	15	88	320	15.3	7.12	17.1	46.5	288.6	0.732	0.195	6.83	6.74	4.81	17.71	41.03	31.00	5.45	G
11	15	88	320	18.3	6.73	20.1	128.0	283.5	0.743	0.158	6.02	8.53	5.93	27.81	23.59	20.90	21.77	G
11	15	88	320	21.3	6.89	17.9	206.2	283.2	0.804	0.180	5.75	7.53	5.19	12.81	34.90	30.42	16.68	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
11	16	88	321	0.3	7.29	19.6	301.4	289.8	0.833	0.228	5.95	8.53	4.30	21.74	28.95	31.54	13.47	G
11	16	88	321	3.3	7.12	22.2	26.6	269.1	0.770	0.204	6.32	7.53	3.47	23.55	37.64	21.07	14.27	G
11	16	88	321	6.3	6.74	15.4	99.9	275.8	0.764	0.157	6.40	8.53	5.68	32.98	38.70	15.97	6.67	G
11	16	88	321	9.3	6.89	9.5	208.3	273.7	0.697	0.196	5.69	7.53	4.11	10.22	39.77	35.61	10.29	G
11	16	88	321	12.3	7.36	20.3	311.2	282.6	0.800	0.241	5.95	7.53	13.64	9.47	32.66	29.07	15.17	G
11	16	88	321	15.3	7.28	30.2	7.1	277.7	0.691	0.219	5.89	6.10	8.04	13.63	33.60	33.71	11.01	G
11	16	88	321	18.3	6.83	13.3	86.3	274.9	0.797	0.185	6.56	8.53	6.46	32.84	27.29	23.68	9.74	G
11	16	88	321	21.3	6.77	16.9	169.8	285.7	0.670	0.166	6.02	7.53	10.78	11.24	34.72	32.14	11.12	G
11	17	88	322	0.3	7.23	15.6	279.0	281.1	0.835	0.289	5.07	4.74	4.23	7.77	18.80	54.67	14.54	G
11	17	88	322	3.3	7.22	26.3	359.4	277.2	0.802	0.260	6.10	7.53	5.05	16.28	38.05	25.69	14.93	G
11	17	88	322	6.3	6.79	17.3	75.6	276.2	0.810	0.228	5.45	8.53	4.68	25.75	26.20	26.41	16.96	G
11	17	88	322	9.3	6.70	26.0	170.9	2.2	0.666	0.238	4.13	3.46	3.53	3.47	15.08	33.50	44.43	G
11	17	88	322	12.3	7.25	30.5	225.6	188.5	0.678	0.305	4.06	3.66	6.35	5.48	11.57	18.17	58.43	G
11	17	88	322	15.3	7.37	2.4	246.8	187.6	0.738	0.419	4.65	4.74	2.09	3.97	19.62	60.17	14.14	G
11	17	88	322	18.3	7.11	4.0	11.4	285.8	0.529	0.182	5.45	6.74	11.61	14.79	38.72	17.52	17.36	G
11	17	88	322	21.3	6.78	25.9	159.3	229.3	0.546	0.097	5.63	8.53	14.61	24.56	27.41	11.68	21.74	G
11	18	88	323	0.3	7.26	22.1	251.3	278.8	0.831	0.225	5.63	5.12	2.42	14.49	31.23	40.38	11.48	G
11	18	88	323	3.3	7.52	15.4	299.9	189.9	0.715	0.313	4.13	3.88	3.00	10.89	8.28	30.95	46.87	G
11	18	88	323	6.3	7.22	13.5	78.8	206.9	0.649	0.920	5.22	5.12	1.24	1.01	24.95	60.03	12.78	S
11	18	88	323	9.3	6.83	24.1	147.1	261.0	0.720	0.558	4.57	4.13	1.57	1.08	5.34	70.45	21.55	S
11	18	88	323	12.3	7.07	18.9	226.6	189.0	0.766	0.284	4.27	4.74	4.07	4.82	9.49	56.03	25.59	G
11	18	88	323	15.3	7.40	23.2	317.7	266.8	0.814	0.228	5.22	4.13	9.12	15.39	18.03	40.00	17.45	S
11	18	88	323	18.3	7.12	21.1	37.7	278.9	0.682	0.182	6.24	6.74	6.84	24.95	28.41	22.18	17.61	G
11	18	88	323	21.3	6.65	27.8	128.4	280.9	0.798	0.099	5.28	8.53	5.64	31.99	32.82	10.48	19.07	G
11	19	88	324	0.3	6.92	22.5	221.5	275.2	0.857	0.133	6.65	8.53	2.73	57.46	21.58	9.91	8.31	G
11	19	88	324	3.3	7.41	25.1	303.6	278.8	0.904	0.177	6.74	7.53	6.12	18.19	53.07	15.60	7.02	S
11	19	88	324	6.3	7.30	22.1	14.1	267.8	0.521	0.148	5.82	8.53	9.36	38.78	18.99	13.78	19.08	G
11	19	88	324	9.3	6.80	19.1	92.9	275.1	0.896	0.239	4.00	4.13	2.71	21.25	7.49	21.79	46.77	G
11	19	88	324	12.3	6.85	16.6	189.7	279.5	0.893	0.238	4.30	4.74	3.81	9.47	13.13	38.28	35.30	G
11	19	88	324	15.3	7.34	20.2	296.3	275.0	0.892	0.273	4.61	4.74	6.39	10.01	22.75	30.17	30.67	S
11	19	88	324	18.3	7.34	21.6	10.4	270.4	0.762	0.248	4.70	4.41	3.09	17.25	7.86	56.08	15.71	G
11	19	88	324	21.3	6.76	21.7	101.7	273.3	0.863	0.178	5.33	5.12	3.07	18.32	7.55	59.23	11.84	G
11	20	88	325	0.3	6.82	16.5	184.5	268.9	0.931	0.147	5.57	4.74	6.46	11.74	19.93	49.96	11.90	S
11	20	88	325	3.3	7.38	26.9	292.3	275.0	0.911	0.246	4.74	4.13	3.18	17.32	12.15	45.98	21.37	G
11	20	88	325	6.3	7.46	30.9	358.3	278.4	0.888	0.309	5.51	5.57	5.10	12.23	26.02	49.39	7.27	S
11	20	88	325	9.3	6.85	18.3	55.3	259.8	0.766	0.234	5.45	6.10	2.87	23.60	33.62	28.79	11.11	S
11	20	88	325	12.3	6.60	19.2	166.1	273.6	0.871	0.229	4.79	6.10	4.07	3.51	44.64	24.12	23.66	S
11	20	88	325	15.3	7.03	21.3	254.1	268.6	0.835	0.360	5.17	6.10	2.02	3.54	40.04	35.10	19.30	S
11	20	88	325	18.3	7.19	29.4	352.6	278.5	0.862	0.396	4.45	7.53	1.29	7.55	28.21	39.06	23.90	S
11	20	88	325	21.3	6.60	23.9	78.4	265.0	0.774	0.309	4.74	7.53	2.40	13.66	33.90	17.70	32.34	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
11	21	88	326	0.3	6.44	36.2	170.6	254.7	0.624	0.166	3.74	7.53	2.24	16.89	26.60	8.51	45.77	S
11	21	88	326	3.3	7.02	31.0	229.4	277.2	0.601	0.315	4.88	8.53	3.49	16.63	26.31	20.03	33.54	S
11	21	88	326	6.3	7.43	20.9	295.6	290.0	0.760	0.296	5.82	8.53	4.36	21.58	37.42	16.40	20.24	G
11	21	88	326	9.3	7.05	21.9	97.6	162.2	0.606	0.288	3.97	4.13	4.57	20.82	7.14	28.43	39.04	G
11	21	88	326	12.3	6.64	36.0	156.1	273.1	0.916	0.284	3.79	4.13	2.33	2.15	1.21	59.84	34.47	S
11	21	88	326	15.3	6.96	26.3	201.7	272.5	0.793	0.448	4.20	3.88	2.24	3.11	3.63	52.77	38.25	S
11	21	88	326	18.3	7.36	15.9	284.4	198.9	0.647	0.562	4.34	4.74	2.96	5.12	7.23	62.24	22.45	G
11	21	88	326	21.3	6.96	19.4	90.0	201.0	0.619	0.408	4.27	4.41	1.88	4.15	3.51	71.50	18.96	G
11	22	88	327	0.3	6.50	31.4	149.9	233.5	0.601	0.347	3.79	4.74	1.15	1.62	2.15	58.34	36.74	S
11	22	88	327	3.3	6.90	20.6	232.7	195.5	0.618	0.330	4.13	4.41	2.99	9.51	8.27	39.36	39.87	G
11	22	88	327	6.3	7.51	33.0	324.6	274.1	0.731	0.251	4.23	4.74	3.08	5.88	10.25	58.89	21.90	S
11	22	88	327	9.3	7.29	24.2	20.8	242.5	0.537	0.350	4.34	3.88	2.22	15.10	6.45	42.42	33.82	G
11	22	88	327	12.3	6.58	27.2	116.7	263.8	0.535	0.330	4.49	4.74	1.68	9.10	3.74	67.74	17.74	G
11	22	88	327	15.3	6.60	24.9	190.9	227.5	0.519	0.166	4.79	4.13	2.78	11.30	28.07	29.87	27.99	G
11	22	88	327	18.3	7.24	30.6	295.7	270.3	0.940	0.158	4.92	7.53	4.13	19.26	29.04	21.31	26.26	S
11	22	88	327	21.3	7.10	21.6	21.5	274.5	0.727	0.168	6.02	6.74	3.88	20.97	36.60	23.31	15.24	S
11	23	88	328	0.3	6.53	20.9	110.8	280.8	0.926	0.114	5.75	9.85	4.89	34.18	23.93	18.19	18.81	S
11	23	88	328	3.3	6.75	25.3	212.2	301.9	0.676	0.155	5.89	7.53	4.15	21.30	34.84	24.77	14.95	G
11	23	88	328	6.3	7.50	27.1	304.0	287.7	0.750	0.160	4.83	4.13	5.25	14.05	14.86	34.23	31.61	G
11	23	88	328	9.3	7.50	34.8	4.8	333.4	0.567	0.200	4.57	4.13	7.27	15.81	15.99	27.27	33.66	G
11	23	88	328	12.3	6.86	14.8	74.2	270.5	0.845	0.228	4.53	4.13	3.52	22.17	10.45	40.41	23.45	S
11	23	88	328	15.3	6.72	22.6	166.9	206.7	0.622	0.254	3.91	3.66	3.95	6.16	6.55	33.25	50.09	S
11	23	88	328	18.3	7.33	28.0	275.2	263.8	0.611	0.281	4.16	3.66	1.89	15.61	6.72	25.75	50.03	S
11	23	88	328	21.3	7.40	25.8	0.9	278.7	0.703	0.305	4.74	5.12	2.97	7.80	10.93	64.85	13.45	S
11	24	88	329	0.3	6.94	22.5	79.7	282.0	0.646	0.533	4.30	3.88	1.57	8.80	4.69	50.22	34.72	S
11	24	88	329	3.3	6.89	21.7	183.5	275.5	0.886	0.742	4.49	4.74	1.25	2.83	4.88	74.07	16.96	S
11	24	88	329	6.3	7.58	28.6	266.8	261.6	0.629	0.697	4.79	5.12	1.38	3.28	20.21	61.29	13.83	S
11	24	88	329	9.3	7.88	23.8	345.1	187.2	0.747	0.862	5.12	6.10	2.28	3.21	36.57	45.59	12.35	G
11	24	88	329	12.3	7.23	28.8	72.1	231.5	0.565	1.083	5.39	6.10	1.45	2.07	34.85	50.56	11.07	S
11	24	88	329	15.3	6.85	26.8	151.6	277.7	0.771	0.546	4.61	4.74	3.15	4.49	6.51	60.42	25.43	S
11	24	88	329	18.3	7.25	18.5	250.0	279.4	0.877	0.348	5.33	7.53	2.71	9.53	33.11	38.24	16.41	S
11	24	88	329	21.3	7.50	20.8	333.4	282.4	0.574	0.307	5.82	7.53	3.49	26.59	30.25	22.01	17.66	G
11	25	88	330	0.3	7.07	17.9	50.5	282.8	0.769	0.264	5.63	8.53	4.60	35.29	15.19	18.19	26.74	S
11	25	88	330	3.3	6.77	26.5	151.4	200.4	0.543	0.186	4.57	3.88	5.00	22.73	17.59	7.24	47.44	G
11	25	88	330	6.3	7.31	24.9	255.5	254.4	0.565	0.211	5.39	8.53	5.92	30.92	20.29	14.30	28.57	G
11	25	88	330	9.3	7.76	32.5	326.0	192.7	0.554	0.206	5.95	8.53	4.85	37.21	22.65	21.63	13.65	G
11	25	88	330	12.3	7.32	13.3	18.0	289.5	0.659	0.188	7.31	9.85	4.38	53.08	18.62	12.50	11.42	G
11	25	88	330	15.3	6.76	20.9	137.9	302.2	0.800	0.132	7.76	11.64	4.41	54.17	18.94	11.94	10.54	G
11	25	88	330	18.3	7.03	8.0	200.8	290.2	0.665	0.158	7.53	8.53	3.54	45.15	35.58	10.38	5.36	G
11	25	88	330	21.3	7.47	22.3	298.5	290.9	0.734	0.155	7.53	11.64	12.52	36.81	24.32	17.71	8.65	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
11	26	88	331	0.3	7.13	14.4	48.7	291.7	0.698	0.189	9.85	11.64	7.87	79.62	3.96	3.65	4.90	G
11	26	88	331	3.3	6.69	27.5	144.7	101.6	0.947	0.092	8.39	9.85	17.16	61.12	9.86	3.82	8.04	S
11	26	88	331	6.3	7.03	14.1	224.9	283.0	0.786	0.128	7.64	7.53	4.27	36.14	48.04	5.26	6.30	G
11	26	88	331	9.3	7.59	21.1	293.6	295.2	0.748	0.126	6.48	9.85	5.84	52.02	15.71	11.55	14.88	G
11	26	88	331	12.3	7.36	14.3	17.9	287.6	0.564	0.132	6.92	8.53	7.42	51.00	8.22	18.60	14.76	G
11	26	88	331	15.3	6.82	17.5	103.5	303.5	0.644	0.101	7.76	11.64	16.03	59.61	11.41	5.07	7.89	G
11	26	88	331	18.3	6.90	10.7	181.2	305.4	0.790	0.119	6.92	8.53	13.29	47.91	22.11	10.90	5.79	G
11	26	88	331	21.3	7.36	18.1	268.5	286.7	0.723	0.132	6.10	11.64	5.13	50.43	16.35	9.66	18.42	G
11	27	88	332	0.3	7.23	12.2	22.9	282.5	0.768	0.140	6.56	11.64	16.80	33.41	14.50	18.95	16.34	G
11	27	88	332	3.3	6.73	20.4	98.4	281.3	0.873	0.118	6.65	14.22	31.93	34.89	6.99	14.02	12.17	S
11	27	88	332	6.3	6.85	14.9	193.7	308.0	0.717	0.177	5.63	4.41	9.89	27.39	8.67	39.75	14.30	G
11	27	88	332	9.3	7.38	21.6	282.7	287.3	0.707	0.221	4.03	4.13	6.75	7.08	3.57	45.13	37.48	G
11	27	88	332	12.3	7.35	30.0	3.5	273.9	0.594	0.174	4.20	3.66	15.97	10.92	6.07	24.06	42.98	G
11	27	88	332	15.3	6.85	17.7	77.2	284.3	0.715	0.191	5.33	4.74	13.86	12.04	22.21	28.79	23.10	G
11	27	88	332	18.3	6.73	23.0	167.4	284.2	0.919	0.244	4.16	3.66	5.60	2.46	17.62	34.17	40.14	S
11	27	88	332	21.3	7.10	16.0	230.9	281.0	0.836	0.390	4.41	4.41	5.28	4.35	28.49	36.25	25.63	G
11	28	88	333	0.3	7.14	11.6	253.7	282.1	0.771	0.276	4.30	4.74	13.90	7.65	20.05	23.65	34.74	G
11	28	88	333	3.3	6.71	8.1	138.0	281.2	0.966	0.209	4.53	8.53	11.31	14.82	13.28	25.15	35.45	S
11	28	88	333	6.3	6.72	26.6	188.8	277.2	0.898	0.181	6.02	5.57	10.75	19.07	26.07	36.23	7.87	S
11	28	88	333	9.3	7.18	17.0	220.7	285.8	0.823	0.282	6.24	7.53	7.53	14.93	40.75	26.55	10.23	G
11	28	88	333	12.3	7.38	3.1	349.3	283.8	0.914	0.231	5.51	7.53	14.84	14.87	25.18	19.83	25.28	S
11	28	88	333	15.3	7.03	30.4	140.1	99.5	0.909	0.406	5.02	4.41	3.75	11.76	7.06	60.00	17.43	S
11	28	88	333	18.3	6.66	29.8	153.6	271.4	0.940	0.156	4.65	4.41	5.59	14.11	4.25	45.61	30.43	S
11	28	88	333	21.3	6.96	12.1	220.3	102.2	0.823	0.186	4.38	9.85	8.82	40.92	11.33	4.08	34.84	S
11	29	88	334	0.3	7.20	13.5	253.7	280.0	0.916	0.207	4.65	9.85	16.06	34.86	6.00	7.26	35.82	S
11	29	88	334	3.3	6.99	5.1	80.4	282.4	0.850	0.210	4.79	3.66	11.64	20.10	2.51	15.64	50.12	S
11	29	88	334	6.3	6.73	18.2	157.0	282.5	0.826	0.134	4.06	3.88	8.65	25.30	2.43	10.78	52.84	S
11	29	88	334	9.3	7.04	12.6	243.2	99.8	0.956	0.171	4.61	9.85	13.35	37.15	6.94	4.24	38.32	S
11	29	88	334	12.3	7.33	17.4	316.9	268.2	0.541	0.195	5.57	8.53	7.21	53.55	9.07	6.40	23.77	G
11	29	88	334	15.3	7.08	19.6	27.0	277.9	0.702	0.170	8.13	9.85	22.63	49.39	7.50	7.83	12.64	G
11	29	88	334	18.3	6.69	17.5	107.5	284.0	0.945	0.160	6.48	8.53	14.49	45.73	9.68	4.92	25.19	S
11	29	88	334	21.3	6.78	7.1	184.5	300.3	0.734	0.152	6.92	14.22	27.37	35.31	14.12	8.64	14.55	G
11	30	88	335	0.3	7.11	17.9	283.8	287.6	0.739	0.137	8.13	8.53	19.61	47.36	11.26	10.95	10.83	G
11	30	88	335	3.3	6.96	6.6	342.0	283.7	0.949	0.134	8.68	14.22	36.92	34.75	15.66	6.86	5.81	S
11	30	88	335	6.3	6.65	10.2	102.4	284.0	0.966	0.117	8.13	9.85	12.52	62.15	17.07	3.79	4.47	S
11	30	88	335	9.3	6.79	5.7	222.2	275.7	0.895	0.154	7.53	7.53	11.78	30.48	35.19	8.49	14.06	S
11	30	88	335	12.3	7.12	17.9	300.7	278.8	0.827	0.131	6.83	6.10	18.46	21.00	32.84	16.32	11.38	S
11	30	88	335	15.3	7.03	25.8	4.8	103.8	0.942	0.122	5.75	7.53	13.18	23.61	28.77	17.69	16.74	S
11	30	88	335	18.3	6.70	15.5	71.6	105.0	0.975	0.120	9.14	14.22	32.37	32.58	20.20	9.68	5.16	S
11	30	88	335	21.3	6.70	10.0	168.9	276.2	0.856	0.109	8.26	11.64	19.67	41.23	17.61	11.03	10.47	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	1	88	336	0.3	7.06	17.5	248.9	274.8	0.937	0.154	7.21	14.22	24.62	36.13	15.16	9.82	14.27	S
12	1	88	336	3.3	7.09	6.6	327.8	282.4	0.939	0.146	8.68	11.64	25.21	49.59	5.38	2.74	17.07	S
12	1	88	336	6.3	6.89	18.7	145.8	285.7	0.862	0.125	5.69	11.64	29.52	35.77	2.80	6.46	25.45	S
12	1	88	336	9.3	6.90	10.1	186.3	286.9	0.671	0.118	6.40	11.64	13.67	46.65	4.65	11.19	23.83	S
12	1	88	336	12.3	7.22	16.4	261.4	281.0	0.857	0.136	4.70	11.64	14.07	26.64	14.01	6.68	38.61	S
12	1	88	336	15.3	7.28	18.4	336.9	285.5	0.941	0.125	6.56	11.64	19.99	29.43	12.99	11.42	26.16	S
12	1	88	336	18.3	6.97	13.4	39.7	281.6	0.880	0.128	7.64	14.22	34.19	30.68	10.13	7.19	17.81	S
12	1	88	336	21.3	6.80	11.5	144.1	290.0	0.838	0.116	7.21	11.64	20.88	35.96	21.57	8.65	12.93	S
12	2	88	337	0.3	7.22	17.1	256.4	282.3	0.800	0.127	7.42	9.85	17.48	37.31	19.06	16.52	9.63	G
12	2	88	337	3.3	7.44	7.4	270.3	278.4	0.657	0.485	4.45	4.41	5.90	4.63	2.86	70.67	15.94	S
12	2	88	337	6.3	7.13	19.9	131.1	98.4	0.699	0.600	4.49	5.57	2.05	0.95	5.02	73.10	18.87	S
12	2	88	337	9.3	6.95	25.0	163.7	274.4	0.824	0.451	4.13	4.13	2.77	1.96	2.52	57.86	34.88	S
12	2	88	337	12.3	7.10	7.9	237.6	112.5	0.607	0.239	4.20	4.41	4.84	5.66	3.70	51.94	33.87	S
12	2	88	337	15.3	7.26	14.2	311.5	285.3	0.807	0.218	6.92	8.53	4.98	59.43	11.27	14.23	10.09	S
12	2	88	337	18.3	6.95	19.5	44.4	106.3	0.927	0.098	4.57	14.22	28.87	16.33	7.52	16.59	30.68	S
12	2	88	337	21.3	6.67	19.3	122.5	104.9	0.973	0.081	4.03	4.13	22.64	11.16	6.13	19.93	40.15	S
12	3	88	338	0.3	6.79	5.2	212.2	100.9	0.861	0.084	4.06	2.84	25.90	16.36	8.68	6.31	42.74	S
12	3	88	338	3.3	7.14	17.2	289.5	104.8	0.966	0.070	4.65	11.64	25.78	17.47	9.70	21.42	25.63	S
12	3	88	338	6.3	7.03	5.5	348.4	103.8	0.973	0.075	5.07	11.64	21.38	32.48	7.09	5.70	33.36	S
12	3	88	338	9.3	6.70	12.8	116.1	105.5	0.973	0.052	7.11	11.64	34.57	32.58	10.79	7.14	14.92	S
12	3	88	338	12.3	6.77	6.7	198.9	289.1	0.762	0.068	6.40	11.64	23.98	22.64	12.76	18.15	22.47	S
12	3	88	338	15.3	7.03	14.5	269.4	102.5	0.981	0.063	7.31	9.85	10.78	31.19	22.10	24.97	10.96	S
12	3	88	338	18.3	6.94	13.0	6.5	104.1	0.958	0.080	5.82	6.74	10.33	24.05	28.16	19.46	17.99	S
12	3	88	338	21.3	6.55	14.2	113.2	105.4	0.982	0.066	6.10	11.64	19.62	23.16	20.31	14.89	22.01	S
12	4	88	339	0.3	6.62	7.3	199.6	282.1	0.702	0.073	5.02	18.29	26.43	19.61	14.01	11.53	28.42	S
12	4	88	339	3.3	7.10	20.3	261.1	277.3	0.879	0.069	5.75	4.41	17.22	11.47	20.09	33.47	17.76	S
12	4	88	339	6.3	7.18	8.3	327.2	105.7	0.940	0.110	3.71	3.28	14.54	5.32	6.15	22.32	51.67	S
12	4	88	339	9.3	7.03	27.8	163.4	98.5	0.825	1.145	5.02	5.57	1.15	0.51	24.15	57.72	16.47	S
12	4	88	339	12.3	6.93	16.7	183.7	277.3	0.818	0.711	4.83	4.74	1.09	1.03	15.38	63.84	18.66	S
12	4	88	339	15.3	7.22	16.6	279.3	186.9	0.503	0.378	4.65	5.57	3.79	4.91	14.17	58.27	18.87	G
12	4	88	339	18.3	7.20	16.8	351.4	124.4	0.581	0.221	4.79	4.74	5.69	16.17	14.56	37.94	25.65	S
12	4	88	339	21.3	6.81	14.9	44.5	298.1	0.621	0.229	4.83	8.53	3.18	25.43	9.99	29.44	31.98	S
12	5	88	340	0.3	6.69	2.8	178.5	291.7	0.634	0.149	5.07	7.53	4.98	11.83	41.53	13.77	27.89	S
12	5	88	340	3.3	7.15	18.7	301.0	289.9	0.637	0.131	5.82	6.74	8.39	16.07	39.85	18.34	17.36	G
12	5	88	340	6.3	7.26	14.6	356.5	177.4	0.642	0.098	5.22	8.53	14.70	19.74	21.54	13.66	30.36	G
12	5	88	340	9.3	6.91	7.7	20.5	104.1	0.978	0.116	6.24	8.53	7.19	48.93	18.74	6.46	18.67	S
12	5	88	340	12.3	6.70	7.9	162.0	269.8	0.911	0.087	5.75	7.53	7.73	17.13	46.02	3.54	25.57	S
12	5	88	340	15.3	6.93	3.1	244.8	276.4	0.660	0.146	5.39	4.41	6.73	14.54	27.34	30.92	20.46	G
12	5	88	340	18.3	7.10	5.8	284.2	285.7	0.946	0.087	5.75	6.10	20.83	18.77	28.81	10.19	21.41	S
12	5	88	340	21.3	6.76	10.7	95.1	284.9	0.913	0.080	5.57	8.53	15.49	38.83	18.17	9.93	17.57	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	6	88	341	0.3	6.60	16.1	170.4	103.8	0.815	0.056	5.28	9.85	25.65	29.40	14.91	6.23	23.82	S
12	6	88	341	3.3	7.09	14.8	260.1	270.6	0.925	0.067	6.40	9.85	16.05	33.60	24.53	13.86	11.97	S
12	6	88	341	6.3	7.46	15.1	337.9	99.8	0.895	0.068	5.07	3.88	8.36	14.47	7.35	18.20	51.61	S
12	6	88	341	9.3	7.12	20.1	13.1	214.7	0.571	0.075	5.95	8.53	12.21	48.13	7.02	10.98	21.66	G
12	6	88	341	12.3	6.71	10.1	115.6	287.2	0.875	0.066	6.17	9.85	15.98	38.68	23.49	4.63	17.22	S
12	6	88	341	15.3	6.91	3.2	239.7	271.6	0.858	0.113	5.45	7.53	12.72	13.23	19.63	34.57	19.85	S
12	6	88	341	18.3	7.23	15.4	328.3	280.7	0.925	0.089	5.57	8.53	20.25	18.70	14.36	20.57	26.13	S
12	6	88	341	21.3	6.90	6.2	60.6	288.5	0.933	0.105	6.56	9.85	10.61	28.26	14.78	31.52	14.83	S
12	7	88	342	0.3	6.55	22.6	170.3	99.0	0.931	0.077	4.03	3.88	10.68	12.11	12.41	15.60	49.21	S
12	7	88	342	3.3	6.84	6.5	254.1	275.8	0.956	0.156	5.33	4.74	16.47	6.04	10.53	47.93	19.02	S
12	7	88	342	6.3	7.31	21.2	296.4	284.9	0.948	0.118	4.34	5.12	4.89	6.62	4.39	56.51	27.59	S
12	7	88	342	9.3	7.07	17.8	35.0	104.4	0.940	0.100	3.61	3.28	6.44	10.52	5.69	22.80	54.54	S
12	7	88	342	12.3	6.58	17.1	135.9	105.5	0.976	0.069	4.49	4.74	12.30	10.22	9.57	34.43	33.48	S
12	7	88	342	15.3	6.69	6.8	218.2	262.6	0.595	0.077	6.02	5.12	32.87	10.17	11.19	28.61	17.16	G
12	7	88	342	18.3	7.17	15.0	269.6	281.3	0.855	0.112	5.02	4.74	7.11	9.47	10.89	48.18	24.36	G
12	7	88	342	21.3	7.02	5.8	356.3	282.6	0.939	0.106	5.75	9.85	14.89	21.94	11.10	34.98	17.09	S
12	8	88	343	0.3	6.57	13.3	142.6	106.9	0.951	0.079	5.33	4.74	14.32	14.03	13.56	37.69	20.40	S
12	8	88	343	3.3	6.81	8.8	214.1	37.5	0.569	0.083	6.02	11.64	24.39	20.62	8.36	30.02	16.61	G
12	8	88	343	6.3	7.41	20.5	284.0	285.3	0.655	0.112	4.65	4.74	5.40	7.92	8.12	56.15	22.41	G
12	8	88	343	9.3	7.41	14.7	355.2	101.7	0.944	0.087	4.38	3.28	16.66	10.86	9.25	15.15	48.09	S
12	8	88	343	14.3	6.67	27.5	129.7	132.3	0.668	0.308	3.61	3.88	1.81	1.37	2.29	31.83	62.70	G
12	8	88	343	17.3	7.08	17.3	238.9	277.9	0.616	0.154	3.88	3.46	4.95	4.91	7.74	31.46	50.93	G
12	8	88	343	20.3	7.34	15.7	325.6	285.4	0.814	0.138	4.53	5.57	6.29	5.59	12.42	50.35	25.35	G
12	8	88	343	23.3	6.91	12.3	70.0	151.3	0.549	0.188	3.79	3.46	6.50	4.12	7.62	22.34	59.41	G
12	9	88	344	2.3	6.69	27.6	143.6	111.9	0.763	0.113	3.91	3.66	3.43	8.06	15.29	19.22	54.00	G
12	9	88	344	5.3	7.21	16.3	265.1	284.6	0.864	0.145	4.57	5.57	3.83	6.03	15.85	52.80	21.49	G
12	9	88	344	8.3	7.60	18.8	335.3	170.6	0.709	0.196	3.88	4.13	2.64	2.35	6.49	45.02	43.51	G
12	9	88	344	11.3	7.22	21.1	48.6	188.8	0.727	0.608	4.49	4.74	1.16	2.33	2.33	83.07	11.11	G
12	9	88	344	14.3	6.72	30.6	129.6	190.1	0.761	0.381	4.16	4.13	1.60	1.42	13.54	62.79	20.65	G
12	9	88	344	17.3	7.02	18.3	216.4	174.1	0.674	0.250	4.13	4.13	3.27	4.08	9.13	46.22	37.30	G
12	9	88	344	20.3	7.35	17.5	309.2	166.0	0.650	0.212	4.20	3.66	5.06	4.81	11.68	40.07	38.38	G
12	9	88	344	23.3	7.06	12.8	56.9	333.2	0.640	0.165	5.02	6.74	3.87	8.40	31.26	30.10	26.37	G
12	10	88	345	2.3	6.70	25.7	135.2	308.1	0.670	0.098	3.97	3.46	7.25	11.73	19.82	17.03	44.16	G
12	10	88	345	5.3	7.06	8.4	208.9	324.4	0.719	0.112	5.22	5.12	9.21	8.10	23.38	39.62	19.69	G
12	10	88	345	8.3	7.62	23.6	308.2	287.8	0.653	0.105	5.22	6.10	5.27	14.42	33.21	26.47	20.64	G
12	10	88	345	11.3	7.37	28.2	18.5	339.2	0.674	0.128	5.45	6.10	6.97	15.68	31.21	27.59	18.54	G
12	10	88	345	14.3	6.73	29.0	120.7	325.2	0.596	0.105	5.51	14.22	16.25	12.35	15.59	29.63	26.19	G
12	10	88	345	17.3	6.81	12.3	165.2	329.1	0.870	0.108	6.10	14.22	34.52	9.89	30.09	5.90	19.60	G
12	10	88	345	20.3	7.26	19.7	295.5	292.8	0.881	0.119	8.26	14.22	34.53	22.24	24.74	9.90	8.60	G
12	10	88	345	23.3	7.05	20.1	31.7	326.7	0.822	0.128	8.83	14.22	55.57	13.04	19.21	6.25	5.92	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	11	88	346	2.3	6.57	30.9	125.3	316.1	0.760	0.098	9.14	14.22	36.39	37.28	8.23	2.58	15.53	G
12	11	88	346	5.3	6.76	23.2	185.5	329.3	0.728	0.110	7.64	14.22	57.17	17.85	7.56	1.25	16.17	G
12	11	88	346	8.3	7.56	26.0	266.9	159.3	0.697	0.216	3.91	11.64	15.29	24.33	5.12	10.80	44.45	G
12	11	88	346	11.3	7.57	6.9	13.1	184.5	0.852	0.683	4.92	6.10	6.22	5.03	22.18	53.23	13.34	G
12	11	88	346	14.3	6.90	35.4	118.2	188.5	0.817	0.614	4.57	4.41	3.42	2.38	8.03	69.87	16.30	G
12	11	88	346	17.3	6.87	27.0	170.9	181.9	0.804	0.501	4.30	5.12	2.32	2.28	2.90	66.31	26.19	G
12	11	88	346	20.3	7.33	16.5	259.0	178.9	0.672	0.403	4.30	3.88	4.49	7.12	4.11	41.15	43.14	G
12	11	88	346	23.3	7.40	10.9	4.9	167.2	0.697	0.537	4.74	5.12	6.32	5.26	6.06	62.71	19.65	G
12	12	88	347	2.3	6.93	26.2	102.1	183.3	0.784	0.645	4.49	4.74	2.45	2.80	4.29	74.71	15.74	G
12	12	88	347	5.3	6.91	23.9	171.5	189.1	0.837	0.682	4.61	5.12	1.18	1.84	3.66	76.58	16.74	G
12	12	88	347	8.3	7.47	24.5	293.7	182.7	0.647	0.601	4.88	5.12	2.59	7.91	14.54	62.25	12.70	G
12	12	88	347	11.3	7.69	29.1	349.8	179.4	0.696	0.683	5.02	5.12	3.68	2.92	14.00	66.48	12.92	G
12	12	88	347	14.3	7.08	21.4	55.7	187.9	0.665	0.579	4.83	4.13	2.16	4.82	10.74	59.35	22.93	G
12	12	88	347	17.3	6.78	24.6	133.1	190.1	0.690	0.335	4.03	4.13	3.94	7.81	6.56	47.16	34.54	G
12	12	88	347	20.3	7.13	16.6	262.3	311.4	0.554	0.232	4.97	7.53	2.57	10.90	29.42	23.04	34.06	G
12	12	88	347	23.3	7.39	26.2	331.7	290.7	0.700	0.234	4.74	7.53	9.42	18.21	23.47	19.30	29.61	G
12	13	88	348	2.3	6.96	17.4	53.0	319.2	0.533	0.266	4.61	3.66	4.15	19.49	7.74	18.59	50.04	G
12	13	88	348	5.3	6.74	23.2	140.5	297.3	0.746	0.234	4.97	8.53	5.96	33.54	13.98	16.23	30.30	G
12	13	88	348	8.3	7.21	20.4	253.9	301.8	0.732	0.233	5.28	9.85	2.29	31.57	13.95	18.91	33.27	G
12	13	88	348	11.3	7.55	34.9	338.4	160.1	0.633	0.256	5.07	7.53	3.54	23.59	21.41	22.68	28.79	G
12	13	88	348	14.3	7.08	20.4	33.6	263.2	0.506	0.173	5.45	9.85	9.18	35.06	12.91	16.38	26.47	G
12	13	88	348	17.3	6.69	33.7	133.4	301.2	0.754	0.137	4.03	8.53	2.72	30.37	13.16	4.64	49.11	G
12	13	88	348	20.3	6.90	22.0	195.6	315.7	0.798	0.186	4.30	5.12	3.32	22.32	7.61	40.39	26.36	G
12	13	88	348	23.3	7.37	22.8	296.9	291.6	0.769	0.151	5.39	9.85	4.81	38.54	16.38	11.21	29.06	G
12	14	88	349	2.3	7.11	13.9	59.6	301.3	0.777	0.157	5.17	8.53	8.26	30.61	17.31	13.14	30.68	G
12	14	88	349	5.3	6.81	26.5	135.6	324.8	0.697	0.160	5.07	9.85	2.98	30.19	11.76	21.80	33.27	G
12	14	88	349	8.3	7.03	23.3	202.8	294.0	0.610	0.164	4.97	9.85	3.88	28.38	13.00	18.04	36.70	G
12	14	88	349	11.3	7.52	28.3	312.1	281.3	0.685	0.157	6.74	9.85	4.16	39.93	23.18	19.55	13.18	G
12	14	88	349	14.3	7.38	32.8	7.5	318.4	0.568	0.149	8.13	11.64	6.71	63.97	8.14	9.69	11.50	G
12	14	88	349	17.3	6.86	13.1	57.8	302.9	0.765	0.164	7.31	9.85	3.65	64.42	10.17	8.20	13.55	G
12	14	88	349	20.3	6.81	13.5	148.7	297.7	0.756	0.152	7.53	9.85	4.27	54.68	18.97	8.92	13.17	G
12	14	88	349	23.3	7.23	19.7	310.1	291.2	0.738	0.182	5.63	9.85	5.81	40.97	14.74	20.83	17.66	G
12	15	88	350	2.3	7.21	23.0	11.8	279.8	0.745	0.178	5.57	5.12	22.42	18.37	9.33	24.69	25.19	G
12	15	88	350	5.3	6.72	28.2	109.9	286.7	0.693	0.296	7.42	14.22	60.97	13.94	3.91	8.20	12.97	G
12	15	88	350	8.3	6.70	36.6	169.5	297.8	0.851	0.368	11.13	14.22	57.62	26.41	4.09	2.78	9.10	G
12	15	88	350	11.3	7.23	19.9	232.7	296.0	0.852	0.487	10.89	14.22	57.31	19.04	11.50	8.65	3.50	G
12	15	88	350	14.3	7.37	2.1	186.3	308.2	0.756	0.496	13.13	14.22	84.37	6.65	5.23	1.96	1.79	G
12	15	88	350	17.3	6.94	29.6	119.2	325.7	0.796	0.446	12.80	18.29	74.39	18.39	4.28	1.15	1.80	G
12	15	88	350	20.3	6.83	44.1	162.7	160.3	0.804	0.388	5.63	14.22	45.78	8.41	2.67	2.43	40.71	G
12	15	88	350	23.3	7.33	20.9	230.0	173.9	0.700	0.558	6.02	14.22	28.18	20.55	2.55	26.99	21.72	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	16	88	351	2.3	7.64	9.1	300.3	174.5	0.741	0.734	6.17	14.22	35.95	4.84	3.36	46.61	9.22	G
12	16	88	351	5.3	7.23	22.6	107.9	163.3	0.605	0.721	4.97	5.12	16.47	3.78	8.26	50.50	20.99	G
12	16	88	351	8.3	6.90	31.6	149.3	199.8	0.552	0.578	4.83	14.22	30.80	5.20	2.68	38.29	23.04	G
12	16	88	351	11.3	7.19	15.8	232.5	179.6	0.610	0.437	5.33	11.64	19.20	19.46	8.18	29.84	23.33	G
12	16	88	351	14.3	7.38	19.8	343.0	313.5	0.651	0.393	5.89	14.22	31.93	9.75	3.91	32.75	21.66	G
12	16	88	351	17.3	7.04	22.6	39.1	265.9	0.689	0.312	5.02	14.22	35.27	5.95	6.65	23.58	28.55	G
12	16	88	351	20.3	6.63	23.5	115.8	295.1	0.567	0.260	5.69	14.22	42.72	11.15	6.78	6.87	32.48	G
12	16	88	351	23.3	6.96	8.7	296.7	298.2	0.753	0.214	7.53	14.22	33.37	28.29	6.63	12.31	19.40	G
12	17	88	352	2.3	7.52	30.9	326.0	281.9	0.615	0.168	5.63	14.22	34.15	21.25	7.97	21.41	15.23	G
12	17	88	352	5.3	7.13	28.2	22.7	291.8	0.657	0.178	8.39	14.22	41.42	22.55	12.64	13.86	9.52	G
12	17	88	352	8.3	6.72	26.9	111.8	331.5	0.889	0.129	8.13	14.22	51.55	21.19	6.13	12.28	8.86	G
12	17	88	352	11.3	6.86	22.1	174.3	148.9	0.942	0.154	7.76	11.64	29.87	42.38	7.95	11.11	8.69	G
12	17	88	352	14.3	7.28	21.2	299.4	305.8	0.678	0.170	7.88	11.64	8.79	50.41	6.82	24.16	9.81	G
12	17	88	352	17.3	7.21	14.4	33.7	166.9	0.800	0.259	4.30	3.66	8.72	20.79	7.72	18.30	44.47	G
12	17	88	352	20.3	6.74	32.3	125.2	158.3	0.856	0.188	4.53	14.22	26.83	17.81	7.50	17.34	30.52	G
12	17	88	352	23.3	6.91	18.7	187.6	315.6	0.592	0.190	5.82	8.53	6.54	33.44	23.62	12.84	23.55	G
12	18	88	353	2.3	7.47	17.6	279.4	174.1	0.831	0.283	4.16	3.88	5.26	12.89	17.22	17.78	46.84	G
12	18	88	353	5.3	7.49	17.1	2.2	178.6	0.608	0.434	4.92	4.74	2.69	13.30	12.40	57.26	14.35	G
12	18	88	353	8.3	6.87	21.4	78.2	151.5	0.634	0.247	4.38	4.41	4.38	8.34	10.11	46.53	30.63	G
12	18	88	353	11.3	6.84	14.9	128.5	146.1	0.680	0.157	3.82	3.88	6.22	19.81	6.95	13.98	53.04	G
12	18	88	353	14.3	7.25	21.3	284.3	351.3	0.665	0.170	6.17	8.53	7.10	29.52	28.47	11.23	23.68	G
12	18	88	353	17.3	7.34	18.5	334.1	278.7	0.662	0.164	7.21	11.64	5.07	59.76	13.42	8.56	13.19	G
12	18	88	353	20.3	6.82	11.9	74.4	322.7	0.752	0.157	8.53	9.85	12.52	66.95	8.20	4.43	7.90	G
12	18	88	353	23.3	6.66	25.1	150.4	316.1	0.648	0.129	7.53	9.85	7.99	65.41	7.31	2.23	17.06	G
12	19	88	354	2.3	7.14	21.8	275.7	279.8	0.720	0.201	6.32	11.64	2.65	62.53	4.59	6.46	23.77	G
12	19	88	354	5.3	7.28	28.9	349.8	345.7	0.560	0.175	5.69	11.64	5.87	54.30	2.87	10.78	26.17	G
12	19	88	354	8.3	7.00	20.4	50.8	353.0	0.643	0.162	7.01	11.64	12.31	46.16	3.39	14.38	23.76	G
12	19	88	354	11.3	6.69	34.7	147.9	322.4	0.756	0.129	6.92	11.64	2.84	50.12	1.24	38.09	7.70	G
12	19	88	354	14.3	7.00	22.9	214.3	318.3	0.662	0.149	7.11	9.85	3.88	52.23	11.30	22.36	10.21	G
12	19	88	354	17.3	7.47	13.6	287.5	293.4	0.775	0.162	5.17	11.64	3.81	45.68	6.56	18.99	24.96	G
12	19	88	354	20.3	6.95	18.2	112.7	294.2	0.695	0.165	5.63	11.64	8.47	24.70	10.69	36.38	19.75	G
12	19	88	354	23.3	6.59	35.4	147.0	328.7	0.698	0.076	5.28	3.66	14.23	23.10	8.52	25.59	28.56	G
12	20	88	355	2.3	6.97	17.6	220.8	306.6	0.684	0.151	6.65	9.85	4.63	54.63	11.62	14.49	14.63	G
12	20	88	355	5.3	7.46	25.6	314.9	288.1	0.684	0.148	5.63	9.85	6.00	28.38	10.27	39.55	15.81	G
12	20	88	355	8.3	7.16	30.7	34.2	336.5	0.742	0.154	5.12	11.64	7.52	29.09	10.48	26.55	26.37	G
12	20	88	355	11.3	6.59	32.3	128.1	307.5	0.786	0.130	6.83	9.85	2.91	46.19	5.48	38.02	7.40	G
12	20	88	355	14.3	6.65	18.8	184.6	325.4	0.737	0.097	5.57	9.85	7.42	42.87	8.12	14.91	26.67	G
12	20	88	355	17.3	7.16	17.1	273.6	286.6	0.680	0.165	4.88	8.53	6.04	27.56	17.16	22.91	26.33	G
12	20	88	355	20.3	6.97	11.7	37.0	339.4	0.684	0.159	4.38	11.64	10.32	26.21	5.43	16.89	41.14	G
12	20	88	355	23.3	6.47	35.6	134.2	145.3	0.757	0.125	3.44	2.98	12.92	7.61	7.83	17.89	53.75	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	21	88	356	2.3	6.59	21.6	188.3	331.2	0.712	0.092	4.38	4.74	9.59	16.98	8.00	34.26	31.17	G
12	21	88	356	5.3	7.25	15.6	285.0	284.1	0.709	0.170	5.02	4.41	10.45	12.11	9.24	51.55	16.66	G
12	21	88	356	8.3	7.19	20.5	11.7	276.3	0.739	0.142	4.92	3.88	11.59	19.19	5.55	31.85	31.82	G
12	21	88	356	11.3	6.57	26.3	104.5	320.4	0.690	0.093	6.74	9.85	11.76	23.33	18.04	31.41	15.45	G
12	21	88	356	14.3	6.43	35.4	162.1	117.2	0.707	0.052	5.07	14.22	22.90	18.73	6.66	31.68	20.02	G
12	21	88	356	17.3	6.99	18.3	245.0	272.6	0.736	0.131	5.95	6.74	11.03	19.18	31.20	19.84	18.75	G
12	21	88	356	20.3	7.04	6.8	347.0	308.4	0.643	0.162	6.92	5.57	8.08	31.57	20.28	32.48	7.58	G
12	21	88	356	23.3	6.54	25.4	121.5	296.4	0.706	0.091	7.01	6.74	10.85	32.07	26.43	24.07	6.57	G
12	22	88	357	2.3	6.53	35.4	173.4	156.8	0.903	0.068	6.56	5.57	19.44	15.82	19.12	33.50	12.12	G
12	22	88	357	5.3	7.34	25.7	261.8	168.6	0.595	0.479	4.20	4.13	4.02	6.06	3.17	65.15	21.60	G
12	22	88	357	8.3	7.53	24.3	341.8	181.1	0.698	0.482	4.70	5.12	2.82	4.88	4.05	76.14	12.10	G
12	22	88	357	11.3	7.05	20.6	61.8	184.7	0.774	0.442	4.65	5.12	4.18	2.76	5.81	62.14	25.11	G
12	22	88	357	14.3	6.65	26.6	136.7	165.9	0.897	0.257	4.20	4.41	1.94	14.19	3.63	52.82	27.41	G
12	22	88	357	17.3	7.09	19.2	269.0	171.4	0.557	0.250	5.12	5.12	5.10	13.22	12.08	44.17	25.43	G
12	22	88	357	20.3	7.32	24.3	340.0	273.4	0.731	0.188	4.92	6.10	8.09	22.59	19.56	25.54	24.22	G
12	22	88	357	23.3	6.90	18.2	55.1	352.8	0.722	0.187	6.02	11.64	7.65	27.36	15.13	27.76	22.10	G
12	23	88	358	2.3	6.64	24.6	140.7	342.4	0.856	0.148	5.75	9.85	4.86	42.63	18.78	14.87	18.85	G
12	23	88	358	5.3	7.16	21.6	277.5	288.0	0.697	0.210	5.51	9.85	5.05	30.55	17.27	29.89	17.25	G
12	23	88	358	8.3	7.58	29.2	341.3	257.3	0.577	0.201	5.63	6.74	3.61	26.86	24.34	27.85	17.33	G
12	23	88	358	11.3	7.20	23.4	16.9	275.3	0.671	0.195	5.89	11.64	3.87	21.77	17.87	46.45	10.03	G
12	23	88	358	14.3	6.65	28.9	132.8	290.0	0.779	0.143	7.11	6.74	3.13	28.77	25.05	32.77	10.29	G
12	23	88	358	17.3	6.93	18.1	189.6	296.1	0.760	0.184	6.74	9.85	4.73	44.45	24.05	20.57	6.21	G
12	23	88	358	20.3	7.37	20.8	311.6	309.4	0.590	0.297	5.45	5.12	3.95	16.85	11.79	54.85	12.56	G
12	23	88	358	23.3	7.07	12.4	53.4	276.3	0.669	0.227	6.83	9.85	2.86	37.44	19.38	32.43	7.90	G
12	24	88	359	2.3	6.65	24.3	138.9	290.3	0.781	0.143	7.31	6.10	3.44	41.46	32.46	17.41	5.22	G
12	24	88	359	5.3	7.00	18.7	217.6	350.6	0.738	0.233	6.56	8.53	1.74	37.91	14.98	37.56	7.81	G
12	24	88	359	8.3	7.53	24.6	318.6	337.1	0.628	0.331	5.89	9.85	2.15	34.13	23.14	30.37	10.20	G
12	24	88	359	11.3	7.28	28.8	9.9	296.9	0.743	0.241	6.40	6.10	2.62	23.82	32.81	29.62	11.13	G
12	24	88	359	14.3	6.62	27.3	124.8	288.9	0.785	0.174	6.65	9.85	4.71	35.20	28.82	15.86	15.40	G
12	24	88	359	17.3	6.69	18.2	181.9	289.7	0.656	0.198	5.45	8.53	1.27	30.71	30.48	14.96	22.58	G
12	24	88	359	20.3	7.14	16.4	282.5	286.9	0.685	0.277	5.33	8.53	2.12	29.16	16.51	32.79	19.42	G
12	24	88	359	23.3	7.01	13.9	24.3	349.3	0.607	0.241	6.10	9.85	2.95	40.85	13.71	30.37	12.11	G
12	25	88	360	2.3	6.55	32.4	138.5	311.0	0.654	0.116	6.40	7.53	2.26	17.76	36.22	32.80	10.97	G
12	25	88	360	5.3	6.74	30.7	188.9	282.7	0.745	0.149	5.95	6.10	2.13	22.52	32.66	37.32	5.37	G
12	25	88	360	8.3	7.35	19.5	292.6	318.8	0.673	0.315	5.89	6.10	1.52	17.24	24.90	47.26	9.08	G
12	25	88	360	11.3	7.33	18.0	26.8	307.7	0.631	0.236	5.69	6.74	3.48	20.20	32.25	32.59	11.48	G
12	25	88	360	14.3	6.71	29.1	98.4	299.7	0.709	0.123	7.01	8.53	4.19	43.23	36.77	9.47	6.33	G
12	25	88	360	17.3	6.71	27.0	163.5	326.6	0.814	0.115	7.21	7.53	2.20	28.07	43.91	17.70	8.12	G
12	25	88	360	20.3	7.16	12.3	253.6	270.8	0.661	0.187	6.17	6.10	1.59	10.60	48.91	31.34	7.55	G
12	25	88	360	23.3	7.22	11.1	10.8	338.3	0.676	0.199	6.56	9.85	2.79	37.32	32.77	19.42	7.71	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	26	88	361	2.3	6.76	28.8	116.9	333.5	0.723	0.122	7.88	9.85	2.07	68.76	12.28	10.71	6.17	G
12	26	88	361	5.3	6.74	32.5	171.5	169.1	0.899	0.098	4.74	7.53	4.61	16.60	30.71	13.23	34.86	G
12	26	88	361	8.3	7.30	23.6	263.1	221.3	0.715	0.274	4.49	4.13	2.53	12.17	16.06	47.06	22.18	G
12	26	88	361	11.3	7.44	10.3	325.7	180.7	0.774	0.393	4.65	4.74	2.36	10.05	10.33	59.97	17.29	G
12	26	88	361	14.3	6.87	23.9	81.6	181.0	0.668	0.238	4.49	4.41	4.86	13.22	13.79	41.46	26.67	S
12	26	88	361	17.3	6.66	24.4	154.0	170.1	0.621	0.167	3.74	3.88	2.64	9.97	6.32	21.41	59.66	G
12	26	88	361	20.3	7.01	17.0	229.2	171.2	0.632	0.166	4.88	6.74	6.93	20.45	28.34	8.46	35.82	G
12	26	88	361	23.3	7.27	17.4	329.2	284.1	0.575	0.145	4.74	7.53	4.92	22.38	25.02	20.33	27.34	G
12	27	88	362	2.3	6.89	18.3	65.3	175.6	0.785	0.180	5.02	8.53	6.11	24.89	19.66	20.93	28.41	G
12	27	88	362	5.3	6.67	21.0	134.2	176.5	0.940	0.137	4.49	3.46	6.31	28.03	11.55	15.38	38.73	S
12	27	88	362	8.3	7.06	15.6	271.1	295.8	0.599	0.167	5.63	7.53	9.75	15.93	29.28	25.21	19.83	G
12	27	88	362	11.3	7.34	30.8	333.9	332.1	0.584	0.131	6.17	5.12	14.02	16.84	20.58	36.06	12.50	G
12	27	88	362	14.3	6.94	22.8	45.8	237.2	0.576	0.152	7.31	9.85	8.62	48.92	21.36	11.58	9.51	G
12	27	88	362	17.3	6.61	23.0	127.7	351.5	0.801	0.146	5.82	4.41	5.24	21.34	16.14	48.54	8.73	G
12	27	88	362	20.3	6.87	9.7	206.9	316.0	0.681	0.127	5.89	7.53	11.25	25.84	31.30	18.41	13.20	G
12	27	88	362	23.3	7.22	22.3	324.4	274.6	0.705	0.170	6.56	8.53	5.71	22.90	26.76	32.78	11.85	G
12	28	88	363	2.3	6.98	16.8	28.4	274.4	0.901	0.162	7.31	9.85	12.27	33.69	28.77	15.09	10.18	G
12	28	88	363	5.3	6.63	15.9	119.2	351.5	0.901	0.157	6.65	9.85	6.92	55.13	15.45	12.24	10.26	S
12	28	88	363	8.3	6.82	9.3	186.4	318.4	0.597	0.202	5.28	9.85	3.97	44.68	12.06	19.48	19.81	G
12	28	88	363	11.3	7.17	27.3	324.8	275.9	0.719	0.269	4.53	11.64	6.14	29.91	7.45	14.16	42.35	G
12	28	88	363	14.3	6.82	22.5	40.6	77.8	0.606	0.279	3.94	3.12	5.58	9.57	15.33	17.77	51.76	G
12	28	88	363	17.3	6.47	25.2	138.4	311.0	0.715	0.243	5.51	7.53	3.21	9.83	33.09	36.20	17.68	G
12	28	88	363	20.3	6.72	41.5	178.4	154.5	0.869	0.188	3.74	3.12	3.74	7.34	17.40	10.94	60.57	G
12	28	88	363	23.3	7.15	26.4	200.1	326.8	0.770	0.246	5.17	8.53	4.40	26.02	25.32	19.20	25.06	G
12	29	88	364	2.3	7.11	27.3	146.0	157.5	0.809	0.270	4.13	3.88	12.52	15.37	11.77	20.97	39.38	G
12	29	88	364	5.3	6.81	37.5	154.3	169.8	0.701	0.490	4.30	4.74	2.23	2.07	3.22	67.41	25.07	G
12	29	88	364	8.3	6.88	23.6	175.7	156.3	0.777	0.306	4.03	4.41	6.53	6.21	5.34	44.12	37.80	G
12	29	88	364	11.3	7.19	12.8	292.5	161.5	0.688	0.322	4.27	4.41	10.00	5.63	16.73	36.92	30.72	G
12	29	88	364	14.3	7.04	19.6	16.9	324.3	0.672	0.217	5.51	8.53	11.86	25.58	20.51	25.34	16.71	G
12	29	88	364	17.3	6.64	15.2	54.1	323.0	0.734	0.227	6.32	8.53	8.50	39.63	18.70	16.19	16.99	G
12	29	88	364	20.3	6.57	4.6	144.0	320.3	0.695	0.166	6.65	8.53	6.53	38.34	19.48	16.84	18.82	G
12	29	88	364	23.3	6.96	17.6	312.0	287.6	0.781	0.191	6.83	8.53	10.76	28.84	35.52	13.59	11.29	G
12	30	88	365	2.3	7.05	26.0	355.9	307.4	0.718	0.153	7.11	7.53	14.33	21.96	29.58	25.14	9.00	G
12	30	88	365	5.3	6.77	13.8	45.2	16.4	0.567	0.151	7.31	9.85	14.96	34.40	30.95	12.59	7.11	G
12	30	88	365	8.3	6.71	11.4	157.3	319.2	0.826	0.144	7.31	7.53	20.75	28.67	21.36	19.20	10.02	G
12	30	88	365	11.3	7.09	12.4	299.0	303.7	0.791	0.232	5.39	8.53	8.31	36.39	9.35	29.25	16.70	G
12	30	88	365	14.3	7.13	18.4	350.9	314.5	0.720	0.182	6.32	14.22	27.25	15.98	24.54	22.52	9.71	G
12	30	88	365	17.3	6.82	12.3	52.4	330.5	0.781	0.155	7.21	8.53	10.69	46.86	17.80	13.63	11.01	G
12	30	88	365	20.3	6.69	14.6	135.0	309.9	0.803	0.152	8.00	8.53	9.26	50.62	22.89	11.89	5.34	G
12	30	88	365	23.3	6.98	11.6	278.5	321.6	0.737	0.168	5.63	14.22	20.90	21.82	20.41	16.79	20.08	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
12	31	88	366	2.3	7.15	10.4	327.8	327.2	0.731	0.152	6.40	14.22	22.92	33.80	15.33	13.31	14.64	G
12	31	88	366	5.3	6.92	8.4	55.0	282.0	0.568	0.146	6.65	9.85	14.60	38.35	23.52	9.63	13.90	G
12	31	88	366	8.3	6.73	23.1	134.3	312.3	0.789	0.108	7.88	8.53	14.78	43.53	18.65	15.92	7.12	G
12	31	88	366	11.3	7.02	17.3	202.4	329.2	0.713	0.125	8.98	14.22	40.89	29.86	12.71	4.39	12.15	G
12	31	88	366	14.3	7.19	5.6	181.9	336.5	0.749	0.127	9.85	11.64	13.52	61.54	11.71	6.93	6.31	G
12	31	88	366	17.3	6.95	16.5	103.4	290.5	0.792	0.104	8.39	9.85	16.41	44.28	28.65	4.98	5.69	G
12	31	88	366	20.3	6.72	21.3	127.3	317.3	0.689	0.068	8.68	8.53	26.20	45.06	15.31	4.56	8.86	G
12	31	88	366	23.3	6.97	17.7	210.0	305.1	0.639	0.126	7.53	8.53	17.37	38.22	28.96	9.06	6.39	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
1	1	89	1	2.3	7.28	18.7	314.3	288.0	0.645	0.109	7.53	8.53	15.17	51.33	9.87	12.58	11.05	G
1	1	89	1	5.3	7.18	21.8	27.7	311.5	0.677	0.126	7.76	9.85	14.94	53.49	16.06	6.98	8.53	G
1	1	89	1	8.3	6.88	8.1	77.9	282.4	0.662	0.281	4.00	3.88	5.11	4.72	4.83	32.02	53.31	G
1	1	89	1	11.3	7.08	9.2	337.5	277.9	0.770	0.738	5.22	6.10	1.53	2.88	33.66	41.68	20.25	G
1	1	89	1	14.3	7.30	5.9	324.4	207.9	0.517	0.840	5.33	6.74	0.96	6.00	43.91	33.71	15.43	G
1	1	89	1	17.3	7.23	11.5	34.2	166.6	0.614	0.845	5.45	4.74	1.25	3.75	30.97	54.75	9.28	G
1	1	89	1	20.3	6.99	20.7	96.6	165.4	0.609	0.603	5.12	6.74	1.96	4.11	40.67	38.92	14.35	G
1	1	89	1	23.3	7.04	16.7	175.0	164.2	0.641	0.479	4.97	7.53	2.68	13.71	29.09	24.77	29.75	G
1	2	89	2	2.3	7.40	18.7	301.0	304.0	0.647	0.456	6.02	7.53	2.34	29.02	39.64	13.07	15.93	G
1	2	89	2	5.3	7.41	19.3	8.7	292.8	0.693	0.430	7.21	8.53	2.00	44.16	22.04	18.15	13.66	G
1	2	89	2	8.3	7.04	10.2	59.6	295.7	0.719	0.379	7.88	9.85	4.43	75.76	7.79	6.94	5.08	G
1	2	89	2	11.3	6.95	9.1	113.9	308.4	0.771	0.316	7.42	8.53	1.84	63.27	22.70	5.69	6.49	G
1	2	89	2	14.3	7.17	6.4	354.7	295.3	0.781	0.279	7.21	8.53	3.11	52.44	24.11	13.59	6.75	G
1	2	89	2	17.3	7.22	11.8	359.4	290.5	0.798	0.249	7.64	8.53	2.79	52.26	27.94	13.20	3.81	G
1	2	89	2	20.3	6.88	15.8	77.8	291.1	0.777	0.181	8.39	9.85	4.04	75.94	9.85	7.07	3.09	G
1	2	89	2	23.3	6.82	18.5	162.2	307.7	0.763	0.124	7.31	8.53	5.26	53.19	29.22	7.48	4.84	G
1	3	89	3	2.3	7.24	14.3	266.8	316.1	0.698	0.157	7.42	7.53	4.82	35.23	45.88	9.25	4.83	G
1	3	89	3	5.3	7.42	14.9	344.5	306.0	0.683	0.160	6.65	8.53	6.23	43.04	20.38	21.00	9.34	G
1	3	89	3	8.3	7.05	14.3	71.6	296.3	0.687	0.119	7.88	9.85	12.54	40.39	29.99	9.83	7.24	G
1	3	89	3	11.3	6.84	17.0	147.1	359.4	0.786	0.112	8.13	9.85	14.23	53.03	19.38	7.76	5.59	G
1	3	89	3	14.3	7.01	14.3	164.2	353.1	0.796	0.124	7.76	8.53	12.01	45.55	22.14	12.54	7.77	G
1	3	89	3	17.3	7.15	7.9	236.5	318.3	0.626	0.170	5.22	8.53	12.94	38.64	14.68	11.69	22.06	G
1	3	89	3	20.3	6.86	12.2	96.0	293.6	0.759	0.130	7.53	9.85	3.90	53.42	12.64	17.74	12.30	G
1	3	89	3	23.3	6.61	28.7	140.4	152.3	0.768	0.134	4.61	8.53	4.22	45.83	13.30	5.94	30.71	G
1	4	89	4	2.3	7.02	24.4	192.5	154.6	0.769	0.410	4.00	4.13	3.19	1.13	1.49	54.22	39.97	G
1	4	89	4	5.3	7.46	9.5	219.2	180.7	0.885	0.826	4.57	5.12	1.00	0.81	2.55	84.99	10.65	G
1	4	89	4	8.3	7.34	21.7	120.2	171.8	0.786	0.933	4.83	6.10	1.65	1.22	27.49	52.76	16.89	G
1	4	89	4	11.3	7.06	26.3	140.4	177.6	0.727	0.938	4.83	5.12	1.09	0.62	9.85	73.44	15.00	G
1	4	89	4	14.3	7.05	29.9	174.2	164.3	0.707	0.647	4.53	5.57	1.90	3.88	8.93	70.66	14.64	G
1	4	89	4	17.3	7.43	11.6	251.7	170.0	0.765	0.740	5.12	4.74	2.70	6.22	25.97	48.51	16.61	G
1	4	89	4	20.3	7.23	13.8	88.9	171.5	0.757	0.588	4.79	5.57	2.26	8.69	15.57	57.41	16.07	G
1	4	89	4	23.3	6.84	30.2	122.7	160.7	0.695	0.583	4.23	5.12	2.17	8.57	4.54	55.19	29.53	S
1	5	89	5	2.3	7.02	10.4	253.4	179.2	0.694	0.541	4.92	4.74	2.25	20.17	6.75	51.07	19.75	G
1	5	89	5	5.3	7.52	32.9	332.6	179.2	0.673	0.415	5.57	11.64	5.22	35.40	12.64	34.15	12.58	G
1	5	89	5	8.3	7.46	30.9	5.0	313.0	0.669	0.333	6.65	11.64	14.76	32.43	10.59	24.93	17.29	G
1	5	89	5	11.3	6.92	17.8	48.4	339.0	0.589	0.299	6.83	9.85	17.74	32.49	10.17	30.56	9.04	G
1	5	89	5	14.3	6.85	10.5	140.1	294.0	0.699	0.262	8.13	9.85	14.60	49.53	12.18	14.35	9.35	G
1	5	89	5	17.3	7.27	15.7	309.7	301.3	0.842	0.370	10.04	14.22	58.29	29.61	2.69	5.39	4.02	G
1	5	89	5	20.3	7.20	19.5	21.8	308.3	0.735	0.249	10.89	14.22	49.62	32.77	8.81	4.96	3.83	G
1	5	89	5	23.3	6.71	26.3	124.3	293.6	0.805	0.171	10.04	14.22	62.97	19.86	8.18	3.01	5.98	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
1	6	89	6	2.3	6.74	30.3	169.6	303.7	0.749	0.161	9.14	14.22	63.01	14.30	6.59	2.43	13.67	G
1	6	89	6	5.3	7.35	28.2	292.7	307.5	0.717	0.216	8.13	14.22	54.34	16.66	3.54	9.03	16.44	G
1	6	89	6	8.3	7.52	29.3	346.0	290.4	0.613	0.173	8.98	11.64	30.19	46.20	10.75	4.52	8.35	G
1	6	89	6	11.3	6.97	15.1	75.3	285.4	0.715	0.158	7.11	14.22	25.67	22.04	9.03	33.76	9.50	G
1	6	89	6	14.3	6.71	24.0	144.3	291.7	0.737	0.175	7.88	14.22	36.12	21.89	4.75	29.01	8.24	G
1	6	89	6	17.3	7.26	16.4	261.4	295.9	0.748	0.208	6.17	4.74	18.39	24.56	4.76	34.71	17.58	G
1	6	89	6	20.3	7.41	6.4	353.8	283.6	0.848	0.246	6.32	8.53	8.10	26.07	21.55	34.54	9.74	G
1	6	89	6	23.3	7.01	19.5	105.4	288.0	0.721	0.204	7.64	7.53	15.39	30.87	28.05	18.56	7.14	G
1	7	89	7	2.3	6.92	34.1	164.4	323.9	0.610	0.165	5.51	8.53	20.73	29.33	19.48	10.52	19.94	G
1	7	89	7	5.3	7.51	25.3	251.8	322.2	0.638	0.263	4.88	3.66	7.35	22.47	14.02	19.39	36.77	G
1	7	89	7	8.3	7.83	28.5	339.3	300.2	0.551	0.288	5.82	6.10	5.94	22.64	27.41	25.12	18.89	G
1	7	89	7	11.3	7.39	27.1	36.1	188.7	0.577	0.306	5.39	8.53	10.82	32.27	7.68	28.52	20.71	G
1	7	89	7	14.3	6.89	32.0	139.4	166.5	0.592	0.297	5.45	9.85	6.02	34.16	10.61	16.74	32.47	G
1	7	89	7	17.3	7.29	9.2	249.8	299.0	0.627	0.306	5.95	8.53	2.49	53.15	17.42	6.54	20.40	G
1	7	89	7	20.3	7.61	13.2	315.3	287.6	0.766	0.296	7.53	9.85	2.54	64.64	17.99	11.02	3.81	G
1	7	89	7	23.3	7.21	18.4	66.8	288.3	0.737	0.257	8.13	8.53	2.73	66.08	20.62	5.79	4.78	G
1	8	89	8	2.3	6.84	22.5	139.6	298.5	0.762	0.166	8.39	8.53	4.77	69.47	14.17	7.26	4.34	G
1	8	89	8	5.3	7.32	14.8	262.7	287.5	0.721	0.253	6.83	7.53	3.83	32.37	36.76	22.92	4.11	G
1	8	89	8	8.3	7.78	31.2	332.0	313.7	0.564	0.287	7.42	8.53	1.60	44.62	18.24	26.91	8.63	G
1	8	89	8	11.3	7.43	40.4	12.8	310.0	0.703	0.224	7.88	9.85	6.18	49.20	27.04	12.96	4.62	G
1	8	89	8	14.3	6.72	35.0	129.8	294.2	0.762	0.147	8.68	11.64	8.68	67.99	11.83	7.29	4.21	G
1	8	89	8	17.3	7.03	21.9	189.9	291.1	0.818	0.192	7.88	9.85	2.71	67.97	15.98	9.97	3.38	G
1	8	89	8	20.3	7.50	11.7	255.0	291.7	0.774	0.258	6.10	8.53	5.08	28.30	21.78	36.54	8.30	G
1	8	89	8	23.3	7.23	18.2	108.7	286.6	0.784	0.233	6.24	11.64	5.03	36.11	20.69	28.45	9.72	G
1	9	89	9	2.3	6.72	41.1	146.9	326.1	0.575	0.074	6.24	11.64	5.40	25.08	27.26	30.91	11.35	G
1	9	89	9	5.3	6.96	27.7	194.7	298.3	0.697	0.123	7.11	9.85	6.97	40.14	26.00	21.93	4.96	G
1	9	89	9	8.3	7.62	15.9	299.2	301.0	0.803	0.281	5.82	6.10	2.84	16.36	35.72	33.23	11.84	G
1	9	89	9															M
1	9	89	9	13.4	7.43	24.3	95.2	265.5	0.709	0.117	6.02	9.85	8.74	32.64	25.50	24.19	8.92	G
1	9	89	9	16.4	6.72	26.2	153.4	131.6	0.718	0.096	3.24	8.53	12.54	11.82	10.13	5.75	59.77	G
1	9	89	9	19.4	7.24	15.1	245.5	264.9	0.785	0.156	5.95	6.10	4.63	26.02	33.77	23.32	12.27	G
1	9	89	9	22.4	7.42	9.3	339.7	281.9	0.796	0.184	5.57	11.64	7.83	31.09	12.96	32.03	16.09	G
1	10	89	10	1.4	6.89	27.0	101.2	272.4	0.720	0.119	6.92	5.57	7.71	28.70	18.43	35.28	9.88	G
1	10	89	10	4.4	6.62	36.1	155.5	204.0	0.570	0.043	6.10	9.85	27.18	28.27	13.23	15.98	15.34	G
1	10	89	10	7.4	7.25	21.8	245.4	312.2	0.769	0.126	6.40	6.10	8.33	22.48	36.71	19.81	12.67	G
1	10	89	10	10.4	7.60	18.5	327.7	278.3	0.701	0.169	4.23	3.66	4.99	8.92	16.50	17.88	51.72	G
1	10	89	10	13.4	7.10	19.4	52.4	263.8	0.776	0.269	4.65	4.74	4.54	10.20	14.63	45.95	24.68	G
1	10	89	10	16.4	6.58	27.0	131.0	293.2	0.696	0.115	4.70	6.10	3.53	3.70	37.82	28.91	26.05	G
1	10	89	10	19.4	7.02	11.9	225.3	255.2	0.711	0.232	5.69	5.12	8.58	5.49	13.86	60.53	11.54	G
1	10	89	10	22.4	7.40	13.7	321.2	286.2	0.802	0.225	5.33	4.41	7.13	12.29	25.85	42.34	12.39	G

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1	11	89	11	1.4	7.07	19.3	53.6	255.9	0.764	0.192	6.32	7.53	5.50	30.72	25.44	30.88	7.45	G
1	11	89	11	4.4	6.59	27.8	133.9	301.0	0.784	0.070	5.89	5.12	14.52	23.35	16.30	32.80	13.03	G
1	11	89	11	7.4	7.02	21.1	223.3	251.5	0.757	0.180	7.01	6.74	2.17	18.39	61.56	12.37	5.52	G
1	11	89	11	10.4	7.56	18.8	310.7	295.0	0.652	0.219	6.32	7.53	3.78	8.42	44.24	35.27	8.29	G
1	11	89	11	13.4	7.23	15.0	40.6	296.3	0.717	0.179	7.11	7.53	8.13	33.85	28.46	17.46	12.10	G
1	11	89	11	16.4	6.63	24.9	125.9	305.0	0.668	0.101	7.31	9.85	3.96	43.94	22.78	18.48	10.83	G
1	11	89	11	19.4	6.89	12.8	189.6	290.6	0.703	0.126	7.11	7.53	4.74	30.27	37.42	19.61	7.96	G
1	11	89	11	22.4	7.46	12.2	295.4	282.6	0.729	0.240	5.82	6.10	3.86	15.70	43.09	25.18	12.17	G
1	12	89	12	1.4	7.31	18.1	23.4	272.7	0.685	0.299	5.45	5.12	3.26	16.75	18.34	49.25	12.40	G
1	12	89	12	4.4	6.77	18.9	92.0	270.3	0.804	0.242	5.51	5.57	2.53	18.49	21.24	36.80	20.93	G
1	12	89	12	7.4	6.85	8.9	183.8	284.4	0.766	0.247	5.17	5.57	2.18	12.81	31.90	38.63	14.48	G
1	12	89	12	10.4	7.45	23.2	304.5	268.0	0.810	0.439	5.33	5.57	2.65	23.81	19.22	39.48	14.84	G
1	12	89	12	13.4	7.35	25.8	13.5	275.4	0.743	0.318	6.32	6.74	6.26	26.39	30.79	25.43	11.12	G
1	12	89	12	16.4	6.70	25.3	105.9	284.6	0.815	0.229	8.13	11.64	3.14	67.86	18.71	6.84	3.45	G
1	12	89	12	19.4	6.68	22.4	166.1	290.6	0.720	0.253	7.76	8.53	2.93	45.50	34.65	10.84	6.08	G
1	12	89	12	22.4	7.25	21.8	283.5	279.9	0.792	0.417	6.65	8.53	1.52	31.68	33.21	27.01	6.58	G
1	13	89	13	1.4	7.32	28.3	359.3	279.6	0.746	0.295	6.83	7.53	3.63	25.84	29.16	29.62	11.75	G
1	13	89	13	4.4	6.77	24.1	91.4	283.5	0.749	0.177	7.21	9.85	2.73	58.20	22.28	12.89	3.89	G
1	13	89	13	7.4	6.69	33.2	160.4	285.7	0.678	0.138	7.21	9.85	3.28	47.70	27.47	15.48	6.07	G
1	13	89	13	10.4	7.28	23.6	224.1	186.9	0.694	0.291	4.16	3.88	2.83	12.67	11.08	18.30	55.11	G
1	13	89	13	13.4	7.48	5.2	260.3	186.9	0.767	0.384	4.57	4.13	2.88	13.57	6.91	60.11	16.53	G
1	13	89	13	16.4	7.05	29.7	126.0	189.1	0.828	0.591	4.53	5.12	2.26	4.10	3.44	70.31	19.89	G
1	13	89	13	19.4	6.84	37.5	159.5	189.3	0.812	0.423	4.03	4.74	1.71	1.48	2.43	65.33	29.05	G
1	13	89	13	22.4	7.28	19.8	236.8	185.3	0.814	0.418	4.27	4.13	1.41	4.93	2.58	62.54	28.55	G
1	14	89	14	1.4	7.53	23.9	337.5	170.9	0.677	0.311	4.70	4.74	12.03	12.66	7.53	53.77	14.01	G
1	14	89	14	4.4	7.12	24.4	41.2	190.2	0.565	0.299	4.92	4.74	6.55	17.13	10.23	42.88	23.21	G
1	14	89	14	7.4	6.67	26.0	119.2	199.7	0.609	0.180	4.13	4.13	4.70	9.94	19.06	31.53	34.77	G
1	14	89	14	10.4	6.95	10.3	220.7	340.6	0.575	0.187	4.61	3.66	4.12	19.25	13.33	23.86	39.45	G
1	14	89	14	13.4	7.30	24.5	310.0	286.1	0.680	0.166	6.02	8.53	10.53	29.82	15.47	26.91	17.26	G
1	14	89	14	16.4	6.97	19.4	42.8	256.5	0.717	0.187	5.57	11.64	6.54	25.63	15.40	23.46	28.98	G
1	14	89	14	19.4	6.62	20.5	113.7	292.9	0.621	0.141	6.24	11.64	5.76	28.75	16.56	33.10	15.82	G
1	14	89	14	22.4	6.86	9.5	235.2	292.0	0.857	0.232	5.63	9.85	2.37	42.45	6.22	35.55	13.41	G
1	15	89	15	1.4	7.34	26.9	316.5	278.4	0.831	0.296	5.07	4.41	2.98	23.87	10.90	46.74	15.50	G
1	15	89	15	4.4	7.18	27.6	13.1	288.7	0.718	0.248	5.57	4.41	7.17	25.23	10.06	37.88	19.66	G
1	15	89	15	7.4	6.74	21.3	102.4	283.2	0.872	0.186	6.83	6.10	4.39	25.18	33.49	30.40	6.54	G
1	15	89	15	10.4	6.72	19.5	158.7	285.4	0.789	0.200	5.89	9.85	4.15	31.44	24.78	35.93	3.69	G
1	15	89	15	13.4	7.15	13.2	283.2	283.7	0.780	0.288	5.95	8.53	2.91	29.32	20.22	39.79	7.76	G
1	15	89	15	16.4	7.09	13.7	24.0	278.2	0.756	0.267	6.65	6.74	6.34	25.90	35.88	25.19	6.69	G
1	15	89	15	19.4	6.66	27.0	114.0	284.0	0.678	0.179	7.11	7.53	7.10	32.18	34.28	20.15	6.29	G
1	15	89	15	22.4	6.67	28.6	170.6	301.6	0.721	0.156	6.92	7.53	5.59	25.59	36.53	25.66	6.63	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
1	16	89	16	1.4	7.25	20.6	281.1	283.7	0.809	0.292	5.82	6.74	1.40	6.95	42.62	38.71	10.32	G
1	16	89	16	4.4	7.34	32.5	357.6	285.9	0.771	0.237	6.48	7.53	3.46	24.41	29.15	34.80	8.18	G
1	16	89	16	7.4	6.94	18.6	45.0	274.4	0.739	0.186	7.21	11.64	8.39	41.89	25.80	13.80	10.12	G
1	16	89	16	10.4	6.81	31.7	141.8	176.1	0.733	0.245	3.68	3.46	3.52	9.90	8.64	20.36	57.57	G
1	16	89	16	13.4	7.07	17.0	218.3	186.5	0.637	0.249	4.38	3.46	1.87	17.73	13.16	21.52	45.72	G
1	16	89	16	16.4	7.25	12.5	324.6	270.4	0.653	0.215	5.33	6.74	5.73	17.42	37.77	15.38	23.71	G
1	16	89	16	19.4	6.90	20.3	90.6	290.6	0.747	0.167	7.31	9.85	5.61	53.38	21.38	9.87	9.76	G
1	16	89	16	22.4	6.71	21.7	136.7	287.4	0.650	0.099	6.83	9.85	7.79	41.59	23.29	16.53	10.81	G
1	17	89	17	1.4	7.18	17.5	261.5	276.7	0.709	0.138	6.40	8.53	5.32	28.99	22.40	35.10	8.19	G
1	17	89	17	4.4	7.45	35.2	331.5	318.6	0.705	0.115	6.32	7.53	7.89	35.39	31.10	15.05	10.56	G
1	17	89	17	7.4	7.15	30.3	22.5	324.7	0.654	0.138	7.88	9.85	27.05	39.08	15.50	7.44	10.93	G
1	17	89	17	10.4	6.75	22.9	108.1	281.5	0.690	0.133	8.00	8.53	5.36	60.18	14.99	10.22	9.25	G
1	17	89	17	13.4	6.84	7.8	174.4	296.1	0.758	0.150	8.39	8.53	3.22	59.60	24.62	4.63	7.93	G
1	17	89	17	16.4	7.15	12.8	299.6	283.6	0.685	0.155	7.53	8.53	3.92	62.05	17.97	8.40	7.65	G
1	17	89	17	19.4	6.95	13.3	90.8	286.0	0.794	0.134	7.88	8.53	13.62	47.22	25.14	9.39	4.63	G
1	17	89	17	22.4	6.56	30.5	132.8	309.0	0.748	0.106	7.11	6.10	4.24	21.04	56.85	13.08	4.79	G
1	18	89	18	1.4	6.81	34.4	186.3	350.3	0.633	0.097	7.31	9.85	7.43	40.24	27.66	17.53	7.15	G
1	18	89	18	4.4	7.33	15.7	294.3	281.6	0.550	0.145	6.74	6.74	4.66	35.36	31.82	18.07	10.09	G
1	18	89	18	7.4	7.19	20.1	20.9	290.1	0.577	0.143	7.64	9.85	4.52	62.77	8.50	13.38	10.83	G
1	18	89	18	10.4	6.69	27.6	98.4	290.2	0.703	0.106	8.39	9.85	12.07	46.52	28.08	2.51	10.82	G
1	18	89	18	13.4	6.63	21.0	155.5	283.7	0.689	0.132	7.31	7.53	2.85	42.87	46.40	3.13	4.75	G
1	18	89	18	16.4	7.05	18.1	288.4	277.0	0.600	0.145	7.01	9.85	9.75	37.48	33.42	11.98	7.38	G
1	18	89	18	19.4	7.03	22.1	7.7	299.9	0.678	0.142	7.42	9.85	3.08	43.67	28.75	10.94	13.56	G
1	18	89	18	22.4	6.54	27.3	88.5	261.7	0.636	0.115	8.00	8.53	5.80	64.83	14.25	3.65	11.46	G
1	19	89	19	1.4	6.63	16.7	173.2	304.1	0.727	0.106	7.21	8.53	3.86	58.37	18.61	5.99	13.17	G
1	19	89	19	4.4	7.22	21.3	289.8	264.2	0.565	0.115	7.21	8.53	4.31	56.69	17.95	6.64	14.42	G
1	19	89	19	7.4	7.36	33.4	353.4	328.8	0.542	0.102	6.48	8.53	7.71	46.54	13.73	10.29	21.72	G
1	19	89	19	10.4	6.93	24.0	60.9	302.1	0.622	0.087	7.21	9.85	14.51	45.22	19.03	7.82	13.42	G
1	19	89	19	13.4	6.66	26.4	126.4	295.3	0.668	0.539	7.11	8.53	8.42	5.39	5.25	8.31	72.63	G
1	19	89	19	16.4	7.09	14.4	257.1	297.0	0.741	0.116	7.53	8.53	7.73	51.09	23.96	10.72	6.51	G
1	19	89	19	19.4	7.28	13.5	351.3	285.1	0.733	0.098	7.88	9.85	8.63	40.39	16.35	27.16	7.48	G
1	19	89	19	22.4	6.82	22.9	96.3	272.4	0.670	0.102	7.01	9.85	18.07	31.01	18.09	19.72	13.12	G
1	20	89	20	1.4	6.61	29.1	145.2	314.9	0.592	0.067	8.13	9.85	10.01	44.67	12.21	21.11	11.99	G
1	20	89	20	4.4	7.13	23.2	258.3	283.8	0.695	0.123	6.56	7.53	6.82	21.75	40.02	22.38	9.03	G
1	20	89	20	7.4	7.39	25.8	331.1	283.1	0.678	0.116	5.39	4.13	19.59	16.24	19.54	28.50	16.14	G
1	20	89	20	10.4	7.01	22.1	30.1	269.9	0.637	0.114	6.83	9.85	10.67	44.02	19.73	13.23	12.36	G
1	20	89	20	13.4	6.58	33.0	128.6	291.4	0.705	0.118	6.32	6.74	9.06	15.92	34.36	30.79	9.87	G
1	20	89	20	16.4	6.95	23.3	205.3	118.7	0.602	0.132	3.97	8.53	11.47	27.21	13.90	5.95	41.48	G
1	20	89	20	19.4	7.40	12.6	253.4	166.5	0.849	0.251	4.00	3.88	2.17	5.76	3.22	32.80	56.05	G
1	20	89	20	22.4	6.98	21.5	114.0	178.6	0.825	0.237	4.20	4.13	3.71	4.46	3.61	52.62	35.61	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
1	21	89	21	1.4	6.73	38.7	150.5	165.9	0.762	0.247	3.61	3.88	1.45	0.48	1.80	23.82	72.45	G
1	21	89	21	4.4	7.03	33.4	190.6	176.1	0.854	0.594	4.13	4.74	1.05	0.73	1.80	77.02	19.40	G
1	21	89	21	7.4	7.50	6.3	241.5	177.9	0.879	0.922	5.28	5.57	2.18	0.73	24.38	59.62	13.09	G
1	21	89	21	10.4	7.38	9.9	32.7	179.9	0.839	0.666	5.07	5.57	1.79	1.97	7.15	75.87	13.22	G
1	21	89	21	13.4	6.71	37.0	116.5	178.7	0.784	0.389	4.38	5.57	1.44	2.02	5.66	62.71	28.17	G
1	21	89	21	16.4	6.81	16.3	204.4	180.7	0.770	0.322	4.03	4.41	3.29	8.10	2.43	59.51	26.67	G
1	21	89	21	19.4	7.24	27.0	311.8	178.4	0.676	0.226	4.41	4.13	6.38	17.34	5.78	33.13	37.37	G
1	21	89	21	22.4	7.10	23.0	16.1	358.1	0.688	0.234	4.97	14.22	36.94	18.96	2.58	12.97	28.55	G
1	22	89	22	1.4	6.56	23.8	94.2	304.4	0.785	0.193	4.70	9.85	16.17	29.33	9.05	16.22	29.24	G
1	22	89	22	4.4	6.73	5.1	221.8	287.2	0.652	0.148	5.89	11.64	3.76	40.43	17.52	20.33	17.97	G
1	22	89	22	7.4	7.24	26.5	309.5	287.3	0.704	0.149	6.48	14.22	17.44	18.96	18.72	31.84	13.04	G
1	22	89	22	10.4	7.23	21.8	3.1	333.7	0.651	0.134	6.48	11.64	12.08	39.97	12.98	20.35	14.62	G
1	22	89	22	13.4	6.64	27.8	83.7	292.4	0.682	0.119	6.83	11.64	14.02	33.05	18.00	24.42	10.51	G
1	22	89	22	16.4	6.58	26.2	163.8	288.1	0.620	0.106	6.56	9.85	13.81	36.73	18.96	17.08	13.41	G
1	22	89	22	19.4	7.13	21.1	265.9	280.0	0.762	0.186	5.45	6.10	3.40	29.13	25.27	29.80	12.40	G
1	22	89	22	22.4	7.18	17.1	3.3	294.9	0.784	0.240	5.07	5.12	8.55	19.16	13.14	38.20	20.94	G
1	23	89	23	1.4	6.69	24.2	100.9	283.8	0.724	0.222	4.23	6.10	6.33	16.38	14.13	26.05	37.11	G
1	23	89	23	4.4	6.70	26.8	165.1	154.8	0.686	0.235	4.00	3.12	2.78	20.02	6.82	27.51	42.87	G
1	23	89	23	7.4	7.27	18.9	273.6	160.4	0.588	0.382	4.27	4.13	2.55	13.29	19.62	32.60	31.93	G
1	23	89	23	10.4	7.42	21.6	0.4	163.6	0.585	0.617	5.33	4.41	2.76	11.89	24.49	48.49	12.37	G
1	23	89	23	13.4	6.87	27.3	81.9	151.8	0.552	0.748	5.69	9.85	3.30	32.75	16.85	29.90	17.20	G
1	23	89	23	16.4	6.65	20.1	148.6	333.2	0.546	0.579	5.33	8.53	2.88	45.18	14.12	19.79	18.03	G
1	23	89	23	19.4	7.16	17.0	272.6	289.1	0.770	0.692	8.83	9.85	2.56	70.08	9.75	10.93	6.68	G
1	23	89	23	22.4	7.36	25.5	337.3	280.0	0.812	0.637	7.88	9.85	11.27	41.49	20.85	18.07	8.32	G
1	24	89	24	1.4	6.90	19.2	58.8	285.7	0.814	0.619	10.45	11.64	8.32	73.17	10.02	3.57	4.92	G
1	24	89	24	4.4	6.66	16.9	126.8	293.1	0.799	0.400	9.14	9.85	7.94	60.44	20.39	5.54	5.70	G
1	24	89	24	7.4	7.22	14.3	320.6	293.1	0.837	0.591	7.88	9.85	9.81	59.47	11.97	15.36	3.39	G
1	24	89	24	10.4	7.47	24.2	339.0	286.0	0.842	0.587	8.26	11.64	10.71	47.04	20.32	17.65	4.28	G
1	24	89	24	13.4	6.99	17.0	52.2	293.1	0.851	0.443	9.85	9.85	5.52	72.12	13.19	6.54	2.63	G
1	24	89	24	16.4	6.69	22.3	137.8	288.0	0.843	0.310	10.24	11.64	13.06	77.55	4.51	3.66	1.22	G
1	24	89	24	19.4	7.11	8.1	270.7	293.5	0.823	0.354	8.68	8.53	6.33	66.48	13.68	11.18	2.33	G
1	24	89	24	22.4	7.47	20.3	327.2	279.6	0.810	0.390	7.88	9.85	17.76	39.04	21.32	16.98	4.89	G
1	25	89	25	1.4	7.10	16.5	49.8	283.6	0.790	0.268	8.98	9.85	12.85	68.09	13.15	4.33	1.58	G
1	25	89	25	4.4	6.77	28.2	141.6	291.2	0.790	0.199	8.98	9.85	3.19	80.10	11.17	3.84	1.70	G
1	25	89	25	7.4	7.15	15.3	207.3	284.5	0.747	0.233	8.00	9.85	3.37	61.80	12.44	15.63	6.76	G
1	25	89	25	10.4	7.55	12.7	334.0	293.7	0.770	0.279	8.26	9.85	6.57	62.58	11.11	15.10	4.65	G
1	25	89	25	13.4	7.21	13.1	56.1	264.0	0.711	0.237	6.32	11.64	8.87	48.40	9.79	5.91	27.02	G
1	25	89	25	16.4	6.86	24.0	131.4	205.5	0.561	0.236	4.70	9.85	12.90	29.80	4.60	5.18	47.52	G
1	25	89	25	19.4	7.17	21.0	210.2	260.0	0.571	0.226	5.82	8.53	8.17	29.65	16.32	14.47	31.38	G
1	25	89	25	22.4	7.56	14.2	286.2	275.2	0.744	0.288	6.32	8.53	8.85	36.47	16.81	28.98	8.89	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
1	26	89	26	1.4	7.35	21.6	18.8	275.6	0.675	0.219	6.24	9.85	6.12	30.25	19.46	33.52	10.65	G
1	26	89	26	4.4	6.92	19.2	106.7	285.2	0.751	0.182	7.11	9.85	5.09	36.25	27.55	22.57	8.53	G
1	26	89	26	7.4	7.10	3.1	217.9	287.6	0.816	0.228	6.10	6.74	7.12	15.63	37.24	29.94	10.08	G
1	26	89	26	10.4	7.51	16.5	311.0	279.0	0.778	0.274	6.17	7.53	7.38	15.86	43.12	23.67	9.98	G
1	26	89	26	13.4	7.28	19.0	36.0	278.9	0.748	0.244	7.53	9.85	7.44	42.66	26.27	14.98	8.65	G
1	26	89	26	16.4	6.77	22.4	111.4	286.2	0.713	0.181	7.64	9.85	4.91	45.61	37.29	9.11	3.08	G
1	26	89	26	19.4	6.88	11.8	180.5	292.5	0.785	0.171	7.01	8.53	9.03	30.37	34.59	17.83	8.18	G
1	26	89	26	22.4	7.30	9.6	289.4	287.1	0.772	0.256	7.01	9.85	7.57	45.83	20.18	20.14	6.28	G
1	27	89	27	1.4	7.20	10.6	8.6	279.3	0.786	0.232	7.53	9.85	4.30	45.31	30.02	7.82	12.55	G
1	27	89	27	4.4	6.76	16.4	116.6	279.3	0.696	0.151	6.83	5.57	8.02	26.53	25.07	34.76	5.61	G
1	27	89	27	7.4	6.88	33.6	166.8	300.8	0.687	0.156	6.48	5.57	7.13	22.26	32.45	33.67	4.49	G
1	27	89	27	10.4	7.27	21.7	180.5	292.7	0.739	0.252	6.02	5.12	4.93	12.57	27.88	46.78	7.83	G
1	27	89	27	13.4	7.11	20.4	122.0	286.7	0.716	0.192	6.56	5.57	11.39	14.72	23.42	40.34	10.13	G
1	27	89	27	16.4	6.69	29.6	124.6	301.0	0.714	0.118	5.89	5.57	14.06	14.99	20.62	41.25	9.08	G
1	27	89	27	19.4	6.76	26.5	159.9	300.2	0.683	0.112	6.40	5.12	12.09	17.64	12.54	44.84	12.89	G
1	27	89	27	22.4	7.17	10.5	253.5	294.8	0.826	0.158	6.24	11.64	9.25	27.31	13.88	40.85	8.71	G
1	28	89	28	1.4	7.30	15.2	354.4	284.7	0.765	0.165	6.17	8.53	13.88	37.08	9.61	25.58	13.85	G
1	28	89	28	4.4	6.90	18.7	73.6	302.1	0.575	0.177	5.17	9.85	9.68	35.89	4.02	19.10	31.30	G
1	28	89	28	7.4	6.84	10.2	125.0	303.0	0.627	0.157	5.57	5.57	13.23	21.66	9.83	25.55	29.73	G
1	28	89	28	10.4	7.19	10.1	310.1	280.1	0.620	0.172	5.89	9.85	12.67	29.01	18.11	23.87	16.34	G
1	28	89	28	13.4	7.23	22.3	3.7	298.3	0.673	0.166	6.10	6.74	17.74	19.49	28.16	24.50	10.11	G
1	28	89	28	16.4	6.81	21.3	48.0	263.5	0.730	0.151	6.40	6.74	10.91	24.58	35.68	16.83	12.00	G
1	28	89	28	19.4	6.74	14.2	128.3	284.0	0.728	0.136	7.21	11.64	14.85	33.02	11.01	27.80	13.32	G
1	28	89	28	22.4	7.06	8.4	246.9	288.2	0.734	0.120	6.56	11.64	15.51	29.71	24.68	16.59	13.50	G
1	29	89	29	1.4	7.25	21.8	342.1	278.7	0.705	0.152	7.21	9.85	7.62	43.60	19.83	16.99	11.96	G
1	29	89	29	4.4	6.96	17.4	49.7	259.3	0.737	0.149	7.11	11.64	10.47	45.62	13.37	20.43	10.11	G
1	29	89	29	7.4	6.77	18.6	144.9	282.6	0.721	0.114	8.68	9.85	7.90	69.77	14.04	3.75	4.55	G
1	29	89	29	10.4	6.98	19.4	190.4	301.0	0.760	0.132	7.42	11.64	3.83	62.87	16.22	11.56	5.53	G
1	29	89	29	13.4	7.14	7.5	153.7	290.4	0.774	0.147	7.53	9.85	18.30	48.93	8.66	12.42	11.69	G
1	29	89	29	16.4	6.86	19.0	115.1	297.2	0.583	0.103	7.64	9.85	18.75	46.87	11.80	14.39	8.19	G
1	29	89	29	19.4	6.66	25.8	145.2	303.3	0.619	0.102	6.65	9.85	6.64	50.26	10.24	17.90	14.95	G
1	29	89	29	22.4	6.89	19.4	185.0	300.6	0.712	0.117	7.53	11.64	10.05	56.62	15.29	10.71	7.33	G
1	30	89	30	1.4	7.18	13.1	333.3	275.0	0.735	0.124	7.88	8.53	9.04	54.82	12.22	10.06	13.86	G
1	30	89	30	4.4	6.95	19.9	37.7	264.6	0.718	0.121	8.98	9.85	18.89	58.87	7.32	8.04	6.88	G
1	30	89	30	7.4	6.65	21.7	72.1	290.9	0.653	0.128	5.33	8.53	9.05	40.25	6.19	10.58	33.93	G
1	30	89	30	10.4	6.72	10.7	166.0	6.6	0.591	0.168	5.51	9.85	9.37	41.54	6.63	15.05	27.41	G
1	30	89	30	13.4	6.93	11.2	249.3	286.1	0.649	0.123	4.92	11.64	8.17	34.31	11.01	21.97	24.54	G
1	30	89	30	16.4	6.83	4.4	258.7	276.0	0.785	0.124	6.83	9.85	10.01	35.87	15.19	24.07	14.86	G
1	30	89	30	19.4	6.64	13.8	133.4	293.3	0.802	0.112	7.64	9.85	11.69	60.80	8.11	8.93	10.45	G
1	30	89	30	22.4	6.83	13.1	189.3	287.1	0.666	0.126	7.11	11.64	7.21	32.99	29.54	18.09	12.17	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
1	31	89	31	1.4	7.25	11.8	302.1	287.3	0.677	0.182	5.75	7.53	8.29	20.75	28.91	20.95	21.10	G
1	31	89	31	4.4	7.31	19.7	16.3	179.6	0.682	0.209	4.92	8.53	5.74	30.51	18.23	25.61	19.90	G
1	31	89	31	7.4	6.89	18.2	75.5	212.5	0.553	0.185	5.28	8.53	9.71	24.21	12.05	25.19	28.84	G
1	31	89	31	10.4	6.93	8.2	125.3	320.1	0.552	0.150	5.33	11.64	6.58	47.01	8.57	7.36	30.49	G
1	31	89	31	13.4	7.12	10.3	343.5	290.9	0.661	0.136	6.92	9.85	3.94	44.08	16.00	19.04	16.95	G
1	31	89	31	16.4	7.09	25.6	20.4	331.1	0.605	0.120	6.65	9.85	11.63	38.57	21.49	17.92	10.39	G
1	31	89	31	19.4	6.81	38.6	78.0	289.8	0.772	0.107	7.01	9.85	7.10	48.69	15.66	10.00	18.55	G
1	31	89	31	22.4	6.78	28.2	131.3	291.3	0.788	0.101	6.83	11.64	13.97	41.41	16.60	12.87	15.16	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
2	1	89	32	1.4	7.09	18.2	242.5	290.3	0.764	0.143	5.39	8.53	5.14	29.20	22.70	16.83	26.13	G
2	1	89	32	4.4	7.27	19.3	301.7	278.4	0.701	0.138	6.02	8.53	9.46	29.79	15.00	28.65	17.10	G
2	1	89	32	7.4	6.93	13.2	107.6	273.9	0.681	0.117	6.02	8.53	7.35	50.77	11.43	15.10	15.35	G
2	1	89	32	10.4	6.72	13.2	166.3	296.6	0.703	0.085	6.10	8.53	12.52	33.67	14.56	25.52	13.73	G
2	1	89	32	13.4	6.90	18.7	156.6	291.6	0.736	0.125	6.24	9.85	13.84	38.79	18.64	15.21	13.52	G
2	1	89	32	16.4	7.07	6.5	136.3	305.3	0.813	0.200	6.48	6.10	14.12	14.44	29.85	28.15	13.44	G
2	1	89	32	19.4	6.86	35.2	103.0	279.4	0.694	0.133	6.40	7.53	7.21	21.47	36.19	20.66	14.46	G
2	1	89	32	22.4	6.64	28.0	144.1	278.0	0.797	0.116	5.51	6.10	4.76	22.90	30.99	33.62	7.73	G
2	2	89	33	1.4	6.96	11.2	226.7	289.1	0.754	0.160	5.75	6.74	6.93	11.18	27.15	45.93	8.81	G
2	2	89	33	4.4	7.31	14.8	340.7	275.5	0.864	0.193	5.02	4.13	3.01	10.53	16.68	54.33	15.45	G
2	2	89	33	7.4	7.10	13.1	53.6	265.7	0.742	0.155	5.82	7.53	3.36	18.74	32.59	33.53	11.78	G
2	2	89	33	10.4	6.70	14.9	95.2	287.6	0.799	0.129	6.10	6.74	6.87	20.99	32.42	26.36	13.37	G
2	2	89	33	13.4	6.81	24.5	153.0	287.0	0.799	0.122	6.10	8.53	12.08	24.80	30.70	23.76	8.66	G
2	2	89	33	16.4	7.13	5.3	250.5	284.6	0.849	0.161	5.63	4.74	8.31	16.25	19.01	45.28	11.16	G
2	2	89	33	19.4	7.06	18.6	91.2	282.2	0.789	0.151	6.24	4.74	9.55	21.78	20.43	33.72	14.51	G
2	2	89	33	22.4	6.75	31.6	124.1	298.7	0.709	0.109	6.40	5.57	9.73	32.19	15.05	31.34	11.68	G
2	3	89	34	1.4	7.01	17.8	216.3	277.3	0.753	0.129	6.24	6.74	6.98	19.57	40.23	21.09	12.14	G
2	3	89	34	4.4	7.46	18.0	311.8	284.9	0.770	0.151	6.65	6.10	4.94	24.34	33.09	24.87	12.76	G
2	3	89	34	7.4	7.43	34.0	9.0	313.5	0.586	0.099	6.48	9.85	7.30	40.34	17.68	23.96	10.71	G
2	3	89	34	10.4	7.00	16.1	40.4	274.9	0.784	0.137	7.53	8.53	7.05	55.17	20.73	9.92	7.14	G
2	3	89	34	13.4	6.90	10.2	89.2	294.6	0.856	0.183	8.00	7.53	12.62	14.09	67.56	1.93	3.81	G
2	3	89	34	16.4	7.41	12.4	331.3	164.8	0.672	0.243	4.16	7.53	7.46	10.66	30.35	15.96	35.56	G
2	3	89	34	19.4	7.55	3.2	159.1	182.1	0.873	0.907	4.70	4.74	1.33	1.47	2.97	89.03	5.20	G
2	3	89	34	22.4	7.12	31.5	134.3	188.1	0.852	0.710	4.38	5.12	1.28	1.35	3.41	80.09	13.87	G
2	4	89	35	1.4	7.16	35.7	168.3	191.4	0.850	0.909	4.53	5.57	2.46	1.08	4.31	80.00	12.16	G
2	4	89	35	4.4	7.67	22.5	239.3	182.4	0.829	0.642	4.57	4.74	2.30	1.98	5.23	75.31	15.18	G
2	4	89	35	7.4	7.87	15.6	335.5	182.0	0.824	0.756	4.88	5.12	2.08	1.94	10.47	77.24	8.26	G
2	4	89	35	10.4	7.32	25.7	85.3	181.2	0.776	0.567	4.65	5.12	2.35	3.03	9.43	62.66	22.53	G
2	4	89	35	13.4	6.93	29.1	135.1	177.1	0.698	0.295	4.20	4.74	2.60	1.84	17.35	57.81	20.40	G
2	4	89	35	16.4	7.28	11.8	270.9	276.4	0.633	0.264	5.22	7.53	5.17	6.10	30.57	34.16	23.99	G
2	4	89	35	19.4	7.53	21.2	355.4	281.2	0.587	0.258	5.57	7.53	3.06	21.20	28.82	26.03	20.88	G
2	4	89	35	22.4	7.06	20.0	54.0	264.8	0.766	0.203	5.17	3.46	4.78	29.57	12.17	25.85	27.63	G
2	5	89	36	1.4	6.77	29.0	131.7	318.0	0.650	0.177	4.92	8.53	4.55	23.59	24.97	11.68	35.20	G
2	5	89	36	4.4	7.30	16.6	274.7	287.8	0.732	0.189	5.75	7.53	4.67	26.13	36.60	21.16	11.44	G
2	5	89	36	7.4	7.73	21.7	329.5	319.0	0.623	0.187	5.02	8.53	4.14	30.44	19.59	22.65	23.20	G
2	5	89	36	10.4	7.39	16.8	44.2	190.3	0.671	0.333	4.65	4.13	4.41	20.31	8.66	51.83	14.79	G
2	5	89	36	13.4	6.82	31.8	114.1	196.7	0.793	0.280	4.06	4.13	1.27	10.76	2.29	48.20	37.48	G
2	5	89	36	16.4	7.14	22.6	213.8	204.0	0.627	0.192	4.65	7.53	3.63	15.01	30.04	11.88	39.43	G
2	5	89	36	19.4	7.59	19.5	306.6	277.0	0.588	0.224	5.28	7.53	4.69	19.51	28.02	26.37	21.40	G
2	5	89	36	22.4	7.26	13.0	29.3	275.6	0.635	0.242	6.02	8.53	5.56	26.61	16.44	34.40	16.99	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
2	6	89	37	1.4	6.72	30.1	119.5	330.8	0.583	0.125	4.83	9.85	4.05	31.39	23.13	14.33	27.10	G
2	6	89	37	4.4	7.05	20.2	214.1	261.5	0.724	0.190	6.40	8.53	4.70	26.05	33.82	26.68	8.76	G
2	6	89	37	7.4	7.66	29.9	308.7	296.3	0.619	0.162	5.82	5.57	2.61	17.66	35.76	35.28	8.70	G
2	6	89	37	10.4	7.46	25.8	14.1	1.3	0.726	0.152	6.83	9.85	5.64	30.91	38.09	15.23	10.13	G
2	6	89	37	13.4	6.71	31.8	115.1	275.6	0.590	0.084	7.11	8.53	8.21	52.83	19.36	11.23	8.37	G
2	6	89	37	16.4	6.85	21.7	176.5	326.1	0.699	0.084	7.76	8.53	11.01	41.26	33.68	7.09	6.97	G
2	6	89	37	19.4	7.52	23.9	287.5	270.8	0.769	0.153	6.74	6.10	8.75	18.83	46.01	20.76	5.64	G
2	6	89	37	22.4	7.37	15.4	20.4	336.0	0.637	0.132	7.76	8.53	7.40	49.67	27.62	10.32	4.98	G
2	7	89	38	1.4	6.73	29.5	117.7	264.7	0.543	0.072	7.31	8.53	18.18	38.27	20.67	12.32	10.55	G
2	7	89	38	4.4	6.82	22.2	181.3	351.9	0.709	0.065	6.40	7.53	13.06	17.71	41.96	11.15	16.12	G
2	7	89	38	7.4	7.57	14.0	265.0	269.8	0.667	0.144	6.17	6.10	8.16	20.79	32.36	30.05	8.64	G
2	7	89	38	10.4	7.72	11.1	18.5	155.5	0.801	0.484	4.53	4.41	5.14	3.78	5.22	70.69	15.17	G
2	7	89	38	13.4	6.93	36.0	109.2	153.4	0.792	0.535	4.53	4.41	2.33	2.55	4.70	67.79	22.63	G
2	7	89	38	16.4	6.83	28.6	167.0	166.9	0.752	0.373	4.10	4.41	2.83	1.34	1.22	71.07	23.55	G
2	7	89	38	19.4	7.45	21.6	279.1	311.0	0.573	0.222	4.74	6.10	5.96	12.51	28.50	27.64	25.39	G
2	7	89	38	22.4	7.57	16.1	13.9	147.2	0.862	0.158	5.63	6.10	6.67	8.93	43.81	28.76	11.83	G
2	8	89	39	1.4	6.95	32.2	88.7	263.6	0.647	0.153	5.33	9.85	20.23	21.23	16.50	15.47	26.57	G
2	8	89	39	4.4	6.77	17.4	157.2	186.1	0.747	0.090	3.37	3.12	3.94	2.26	7.23	9.06	77.51	G
2	8	89	39	7.4	7.42	22.1	255.5	179.0	0.620	0.207	4.30	3.88	6.11	9.07	17.10	27.46	40.27	G
2	8	89	39	10.4	7.68	17.7	347.2	322.0	0.560	0.143	4.49	4.74	13.06	10.54	11.06	36.10	29.24	G
2	8	89	39	13.4	7.00	17.6	67.2	267.9	0.596	0.175	5.12	8.53	5.34	28.79	15.55	26.91	23.41	G
2	8	89	39	16.4	6.60	29.4	137.9	147.8	0.580	0.059	3.79	3.12	9.12	18.57	8.81	9.55	53.95	G
2	8	89	39	19.4	7.19	20.8	262.1	286.8	0.768	0.163	6.24	6.74	5.73	13.45	44.01	27.64	9.16	G
2	8	89	39	22.4	7.53	15.1	349.5	142.1	0.654	0.101	4.06	6.10	13.15	11.90	20.32	12.60	42.03	G
2	9	89	40	1.4	6.99	29.2	89.1	162.7	0.692	0.154	3.79	3.66	7.30	10.87	3.35	24.82	53.66	G
2	9	89	40	4.4	6.65	21.0	156.8	166.7	0.789	0.150	3.22	3.12	1.87	1.16	0.70	6.26	90.01	G
2	9	89	40	7.4	7.04	27.7	192.3	173.0	0.860	0.442	4.10	3.88	1.47	0.70	0.80	49.41	47.63	G
2	9	89	40	10.4	7.55	10.2	270.8	171.8	0.851	0.365	4.38	4.13	3.32	1.16	3.39	75.74	16.39	G
2	9	89	40	13.4	7.08	26.6	95.9	177.2	0.795	0.262	4.10	4.41	6.97	7.76	4.81	42.23	38.23	G
2	9	89	40	16.4	6.51	25.6	139.0	149.5	0.811	0.218	4.13	3.88	1.46	5.86	13.90	30.87	47.92	G
2	9	89	40	19.4	6.84	20.0	208.9	195.2	0.752	0.168	3.97	4.41	4.50	4.30	6.02	44.55	40.63	G
2	9	89	40	22.4	7.34	32.9	317.0	137.2	0.603	0.071	4.38	4.13	15.54	9.67	15.09	31.64	28.06	G
2	10	89	41	1.4	7.08	31.6	21.3	3.1	0.701	0.089	5.75	11.64	17.86	23.34	12.74	24.02	22.05	G
2	10	89	41	4.4	6.43	29.1	100.1	272.2	0.678	0.052	6.10	9.85	11.57	43.27	15.04	9.00	21.12	G
2	10	89	41	7.4	6.53	12.3	163.1	33.2	0.658	0.089	3.88	8.53	18.99	24.95	6.42	5.25	44.38	G
2	10	89	41	10.4	7.10	21.0	310.1	50.8	0.790	0.145	3.63	3.46	6.29	6.30	2.90	20.81	63.71	G
2	10	89	41	13.4	6.99	11.6	38.5	160.7	0.581	0.142	3.79	3.66	15.25	7.82	4.78	15.01	57.14	G
2	10	89	41	16.4	6.50	29.7	122.3	169.3	0.674	0.111	3.68	3.66	4.48	3.98	2.13	32.65	56.75	G
2	10	89	41	19.4	6.63	8.6	166.6	309.3	0.734	0.106	3.97	3.28	4.95	14.15	3.41	30.76	46.73	G
2	10	89	41	22.4	7.26	27.6	298.4	5.0	0.637	0.070	5.51	11.64	15.46	23.32	7.10	32.25	21.87	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
2	11	89	42	1.4	7.25	22.3	1.4	12.3	0.712	0.047	5.63	9.85	23.52	39.14	7.57	7.04	22.73	G
2	11	89	42	4.4	6.62	14.4	60.2	243.9	0.703	0.086	6.74	9.85	30.51	44.92	7.73	2.40	14.45	G
2	11	89	42	7.4	6.49	16.6	143.2	335.5	0.574	0.107	4.61	9.85	13.05	43.04	6.20	2.81	34.90	G
2	11	89	42	10.4	6.94	13.4	284.0	69.8	0.688	0.139	3.76	4.41	7.86	13.70	4.64	24.99	48.81	G
2	11	89	42	13.4	7.01	16.1	2.2	80.3	0.677	0.122	4.27	3.46	14.20	19.57	6.55	13.11	46.57	G
2	11	89	42	16.4	6.52	25.4	115.6	335.3	0.529	0.097	6.24	9.85	9.39	31.32	11.35	30.81	17.14	G
2	11	89	42	19.4	6.46	24.1	150.8	290.1	0.622	0.067	5.51	5.12	15.03	17.27	6.77	48.16	12.77	G
2	11	89	42	22.4	7.03	22.1	263.7	288.0	0.763	0.124	5.33	8.53	4.38	39.01	5.55	32.45	18.61	G
2	12	89	43	1.4	7.26	24.8	346.9	284.6	0.664	0.099	4.53	3.66	18.81	14.62	5.05	25.01	36.51	G
2	12	89	43	4.4	6.85	15.7	42.2	236.7	0.772	0.084	7.42	9.85	13.92	47.79	12.63	15.54	10.12	G
2	12	89	43	7.4	6.52	22.8	133.9	294.6	0.696	0.052	8.00	9.85	28.41	53.87	3.19	8.12	6.41	G
2	12	89	43	10.4	6.88	10.3	230.2	266.5	0.699	0.108	7.11	8.53	10.57	40.39	20.87	18.70	9.47	G
2	12	89	43	13.4	7.25	12.5	299.2	294.6	0.582	0.097	6.02	14.22	18.91	26.75	11.48	22.45	20.41	G
2	12	89	43	16.4	6.93	17.0	84.0	194.0	0.810	0.321	3.94	4.13	4.27	10.01	1.58	45.92	38.23	G
2	12	89	43	19.4	6.67	29.2	133.8	187.1	0.802	0.224	4.00	4.41	3.68	3.10	2.02	56.99	34.20	G
2	12	89	43	22.4	7.05	18.1	232.0	210.2	0.676	0.112	3.85	3.88	6.44	22.64	3.19	11.42	56.31	G
2	13	89	44	1.4	7.54	26.1	316.8	167.9	0.763	0.188	3.94	4.13	4.40	8.28	4.28	42.00	41.04	G
2	13	89	44	4.4	7.34	25.0	21.1	186.4	0.674	0.312	4.45	4.74	2.86	6.26	4.40	66.88	19.60	G
2	13	89	44	7.4	6.86	24.2	91.0	215.0	0.542	0.235	4.00	3.88	2.78	8.88	3.18	44.19	40.97	G
2	13	89	44	10.4	6.97	3.0	110.8	280.5	0.619	0.201	3.94	3.66	3.34	18.21	6.05	22.95	49.45	G
2	13	89	44															M
2	13	89	44	15.9	7.09	16.0	10.5	272.9	0.659	0.160	6.32	11.64	7.40	35.15	15.75	22.64	19.05	G
2	13	89	44	18.9	6.75	12.4	91.3	196.5	0.682	0.153	6.17	9.85	10.03	31.69	13.06	25.96	19.26	S
2	13	89	44	21.9	6.70	16.4	155.4	285.2	0.711	0.170	4.27	9.85	9.75	26.20	4.90	29.59	29.56	G
2	14	89	45	0.9	7.22	16.6	284.9	290.4	0.672	0.236	4.45	4.13	1.98	24.40	9.38	28.54	35.70	G
2	14	89	45	3.9	7.26	30.3	357.8	278.7	0.676	0.206	4.57	4.74	8.76	16.90	8.02	46.71	19.61	G
2	14	89	45	6.9	6.92	26.4	37.5	6.4	0.942	0.179	5.12	6.10	6.97	8.46	26.42	35.48	22.67	S
2	14	89	45	9.9	6.72	26.9	146.4	13.0	0.640	0.166	5.12	6.10	6.00	17.07	27.14	28.03	21.77	G
2	14	89	45	12.9	6.98	20.9	221.2	283.8	0.647	0.246	6.02	6.74	2.43	8.23	47.10	29.32	12.92	G
2	14	89	45	15.9	7.09	11.8	277.0	277.2	0.776	0.261	5.75	6.10	1.68	11.63	37.54	37.80	11.35	G
2	14	89	45	18.9	6.84	4.7	111.7	283.7	0.869	0.227	6.32	7.53	2.42	10.95	45.52	29.81	11.30	G
2	14	89	45	21.9	6.64	22.6	144.2	292.1	0.689	0.160	5.69	4.74	2.35	12.83	21.45	56.82	6.55	G
2	15	89	46	0.9	7.02	17.4	209.5	284.5	0.723	0.274	5.51	5.57	1.80	6.69	29.85	52.48	9.18	G
2	15	89	46	3.9	7.28	14.8	321.8	275.7	0.809	0.280	5.51	6.10	2.97	13.94	25.19	46.07	11.82	G
2	15	89	46	6.9	7.07	30.8	19.2	265.0	0.628	0.227	6.24	4.41	6.20	21.50	33.16	28.14	11.00	G
2	15	89	46	9.9	6.64	16.1	96.2	286.1	0.631	0.151	5.63	8.53	4.21	25.66	27.91	23.25	18.98	G
2	15	89	46	12.9	6.73	12.9	190.4	258.5	0.514	0.176	6.17	9.85	3.13	27.64	16.73	32.90	19.60	G
2	15	89	46	15.9	7.03	14.9	302.8	281.7	0.740	0.197	5.02	5.57	5.85	16.25	24.58	38.52	14.80	G
2	15	89	46	18.9	6.89	21.2	26.9	266.1	0.746	0.186	5.89	9.85	7.40	21.48	22.05	36.41	12.66	G
2	15	89	46	21.9	6.50	20.7	125.1	292.7	0.589	0.125	5.51	9.85	4.26	29.97	22.89	28.97	13.91	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
2	16	89	47	0.9	6.79	28.8	184.7	20.1	0.853	0.183	5.12	6.10	7.19	11.31	25.75	37.49	18.26	S
2	16	89	47	3.9	7.23	16.0	263.0	310.1	0.604	0.332	5.45	5.57	1.46	6.72	13.96	64.94	12.92	G
2	16	89	47	6.9	7.24	19.7	30.1	275.5	0.785	0.238	5.89	5.57	2.97	10.70	22.85	53.14	10.34	G
2	16	89	47	9.9	6.83	17.3	88.1	196.9	0.753	0.204	4.30	3.12	3.51	20.89	14.57	19.53	41.49	G
2	16	89	47	12.9	6.83	18.8	165.8	189.6	0.837	0.248	3.76	3.66	3.35	11.41	4.82	22.83	57.58	G
2	16	89	47	15.9	7.26	16.4	257.4	190.5	0.821	0.421	4.20	4.13	2.99	2.90	3.93	68.18	21.99	G
2	16	89	47	18.9	7.25	13.5	12.1	192.8	0.813	0.265	4.41	4.41	5.06	9.38	7.03	53.48	25.05	G
2	16	89	47	21.9	6.76	25.1	93.4	197.8	0.834	0.176	5.12	6.74	4.36	24.43	20.56	23.38	27.27	G
2	17	89	48	0.9	6.81	22.6	181.3	196.3	0.756	0.223	4.23	8.53	1.65	30.88	27.49	10.31	29.67	G
2	17	89	48	3.9	7.35	21.4	260.9	196.5	0.870	0.472	4.49	4.41	1.85	6.22	4.95	69.29	17.70	G
2	17	89	48	6.9	7.52	26.8	355.6	187.2	0.607	0.349	4.61	4.74	4.55	14.06	11.71	44.81	24.87	G
2	17	89	48	9.9	7.19	23.2	29.3	198.6	0.774	0.656	4.92	4.41	2.30	5.33	22.97	50.96	18.43	G
2	17	89	48	12.9	6.88	14.8	103.3	193.6	0.740	0.490	4.88	4.41	2.02	14.89	14.40	38.89	29.81	G
2	17	89	48	15.9	7.18	12.9	322.8	180.7	0.540	0.416	5.12	6.74	3.32	18.68	30.93	28.33	18.74	G
2	17	89	48	18.9	7.35	25.4	347.3	12.5	0.763	0.295	5.69	9.85	2.70	49.80	11.10	19.82	16.57	G
2	17	89	48	21.9	6.96	24.2	47.2	267.4	0.585	0.236	5.12	11.64	7.12	29.47	8.73	18.67	36.01	G
2	18	89	49	0.9	6.75	18.9	143.0	194.8	0.634	0.226	4.30	3.12	6.88	21.62	12.17	16.70	42.64	G
2	18	89	49	3.9	7.19	18.7	249.1	196.4	0.662	0.314	5.12	9.85	3.22	30.54	10.95	31.29	24.01	G
2	18	89	49	6.9	7.54	28.0	338.3	192.3	0.694	0.442	4.74	11.64	4.84	22.05	9.96	31.38	31.78	G
2	18	89	49	9.9	7.27	23.6	30.4	185.8	0.689	0.642	5.02	4.41	3.36	10.78	12.68	61.38	11.79	G
2	18	89	49	12.9	6.88	23.6	123.5	187.4	0.750	0.694	5.17	4.74	3.48	11.62	17.78	46.12	21.00	G
2	18	89	49	15.9	7.16	19.1	213.5	183.7	0.652	0.823	5.12	7.53	3.97	16.60	27.15	39.58	12.70	G
2	18	89	49	18.9	7.52	16.7	314.6	160.5	0.571	0.846	5.69	7.53	4.68	18.09	33.08	32.85	11.29	G
2	18	89	49	21.9	7.24	24.7	26.8	303.4	0.669	0.821	6.48	9.85	2.52	40.42	16.33	24.94	15.79	G
2	19	89	50	0.9	6.81	22.0	111.8	183.2	0.717	0.797	5.51	9.85	3.28	25.89	16.49	32.61	21.73	G
2	19	89	50	3.9	7.10	16.0	220.4	180.6	0.605	1.061	5.63	4.74	2.10	23.26	24.38	37.42	12.85	G
2	19	89	50	6.9	7.55	24.7	319.1	273.7	0.669	0.790	6.83	8.53	2.63	34.47	32.60	21.89	8.41	G
2	19	89	50	9.9	7.38	33.0	8.3	269.1	0.509	0.578	7.01	11.64	5.59	35.61	16.64	27.67	14.49	G
2	19	89	50	12.9	6.76	21.1	102.4	315.0	0.527	0.523	7.64	11.64	5.13	63.55	8.94	9.18	13.20	G
2	19	89	50	15.9	6.88	7.4	127.6	314.8	0.573	0.391	8.13	9.85	2.01	71.16	8.84	7.30	10.70	G
2	19	89	50	18.9	7.37	17.7	328.0	304.1	0.509	0.418	7.31	9.85	5.70	49.62	20.39	18.73	5.56	G
2	19	89	50	21.9	7.22	15.6	29.2	1.0	0.676	0.359	9.66	11.64	8.23	55.76	25.19	7.33	3.49	S
2	20	89	51	0.9	6.67	20.6	111.5	280.6	0.612	0.217	9.31	11.64	9.53	68.71	14.03	5.08	2.66	G
2	20	89	51	3.9	6.83	11.8	182.9	305.5	0.718	0.247	8.13	9.85	2.78	61.05	22.05	12.80	1.32	G
2	20	89	51	6.9	7.38	18.3	274.7	299.0	0.641	0.323	7.21	9.85	2.08	47.74	17.04	26.08	7.06	G
2	20	89	51	9.9	7.33	22.8	15.2	271.9	0.721	0.247	7.76	11.64	2.43	56.14	16.31	19.52	5.60	G
2	20	89	51	12.9	6.71	21.8	97.7	290.4	0.679	0.166	8.98	11.64	4.66	63.60	17.65	10.76	3.33	G
2	20	89	51	15.9	6.69	20.2	168.1	12.0	0.893	0.145	7.42	8.53	2.77	50.00	35.22	7.41	4.60	S
2	20	89	51	18.9	7.25	14.2	286.9	335.3	0.549	0.213	7.11	9.85	3.79	46.75	24.24	18.33	6.90	G
2	20	89	51	21.9	7.25	20.2	359.7	8.2	0.785	0.224	7.01	11.64	5.80	51.31	14.58	20.27	8.04	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
2	21	89	52	0.9	6.74	20.7	80.0	266.9	0.552	0.164	7.64	11.64	2.72	58.51	18.64	14.94	5.18	G
2	21	89	52	3.9	6.67	18.7	164.9	307.5	0.707	0.159	6.10	9.85	2.36	43.07	24.68	16.43	13.46	G
2	21	89	52	6.9	7.16	19.5	282.3	14.5	0.822	0.263	5.45	8.53	2.90	29.39	15.75	32.61	19.34	S
2	21	89	52	9.9	7.22	30.0	3.8	4.0	0.885	0.311	4.65	9.85	3.08	21.78	19.37	25.19	30.58	S
2	21	89	52	12.9	6.66	22.8	53.0	4.7	0.908	0.412	4.30	3.66	3.01	17.18	18.77	15.62	45.41	S
2	21	89	52	15.9	6.49	20.3	157.8	14.2	0.881	0.230	6.83	6.10	1.59	35.45	25.62	27.28	10.07	S
2	21	89	52	18.9	6.94	16.9	197.7	18.6	0.631	0.393	5.75	5.57	2.61	21.78	25.84	41.46	8.31	G
2	21	89	52	21.9	7.26	10.3	6.6	230.6	0.556	0.312	6.32	9.85	4.35	25.21	26.52	25.73	18.19	G
2	22	89	53	0.9	6.70	14.5	103.0	205.2	0.529	0.196	6.92	9.85	4.92	50.96	14.11	20.60	9.40	S
2	22	89	53	3.9	6.50	33.8	158.8	8.8	0.618	0.134	8.39	8.53	7.15	45.62	16.78	25.53	4.92	S
2	22	89	53	6.9	7.02	19.3	230.0	3.0	0.575	0.288	6.17	8.53	2.39	27.75	30.47	29.53	9.86	G
2	22	89	53	9.9	7.24	10.8	5.4	276.4	0.647	0.344	6.83	9.85	3.16	27.77	20.23	37.59	11.25	G
2	22	89	53	12.9	6.89	17.5	80.3	194.2	0.904	0.293	4.20	9.85	4.48	34.97	7.12	12.85	40.58	S
2	22	89	53	15.9	6.59	12.4	150.3	184.7	0.826	0.294	3.74	3.66	2.11	6.27	1.97	27.27	62.38	G
2	22	89	53	18.9	7.01	12.7	244.0	201.2	0.671	0.253	5.22	8.53	3.62	46.22	13.38	7.90	28.89	G
2	22	89	53	21.9	7.35	19.7	332.5	178.5	0.715	0.330	5.45	9.85	2.95	36.28	16.42	11.77	32.57	G
2	23	89	54	0.9	7.00	19.2	41.4	193.3	0.926	0.390	4.88	4.41	3.32	26.66	5.47	47.44	17.11	S
2	23	89	54	3.9	6.68	20.4	124.6	188.7	0.822	0.366	4.10	4.13	1.77	14.25	8.37	39.65	35.96	G
2	23	89	54	6.9	7.13	16.7	235.1	186.7	0.802	0.603	4.65	4.13	1.79	17.75	9.89	55.08	15.49	G
2	23	89	54	9.9	7.55	16.9	316.1	184.3	0.767	0.666	5.22	5.57	1.78	17.77	16.12	51.86	12.46	G
2	23	89	54	12.9	7.24	16.3	45.9	186.4	0.849	0.768	5.17	5.57	1.92	15.08	15.28	50.31	17.40	S
2	23	89	54	15.9	6.86	25.7	135.2	193.0	0.806	0.920	4.88	5.12	2.39	11.26	7.72	67.82	10.80	G
2	23	89	54	18.9	7.32	22.5	222.5	194.4	0.846	1.149	5.02	5.12	1.54	7.49	15.15	63.69	12.12	G
2	23	89	54	21.9	7.82	22.1	311.5	183.9	0.722	1.295	5.45	5.57	1.11	19.07	23.83	45.74	10.24	G
2	24	89	55	0.9	7.72	11.3	19.7	190.5	0.812	1.719	6.17	6.74	1.70	13.06	55.13	24.47	5.63	G
2	24	89	55	3.9	7.44	35.8	142.0	185.1	0.812	1.752	5.82	6.74	1.75	9.09	54.91	25.97	8.29	G
2	24	89	55	6.9	7.72	34.0	184.1	185.2	0.804	1.932	6.24	6.74	2.01	10.14	52.67	26.94	8.24	G
2	24	89	55	9.9	8.26	20.4	228.1	186.5	0.790	1.895	6.48	6.74	3.06	21.05	37.88	33.44	4.57	G
2	24	89	55	12.9	8.06	25.1	121.2	181.3	0.722	1.742	6.56	11.64	9.66	26.06	29.56	28.51	6.21	G
2	24	89	55	15.9	7.43	43.3	115.0	173.9	0.737	1.382	6.40	14.22	16.22	17.93	20.25	36.96	8.63	G
2	24	89	55	18.9	7.49	27.4	144.4	168.9	0.721	1.382	6.17	4.74	15.22	22.91	11.58	37.63	12.65	G
2	24	89	55	21.9	7.84	29.3	342.9	315.5	0.619	1.095	8.68	11.64	30.81	37.96	8.93	18.29	4.01	G
2	25	89	56	0.9	7.80	37.9	10.7	312.3	0.560	1.096	7.53	14.22	39.50	31.74	7.26	17.71	3.79	G
2	25	89	56	3.9	7.26	29.5	41.5	162.7	0.679	0.736	7.31	14.22	29.93	19.76	9.00	29.38	11.92	G
2	25	89	56	6.9	7.34	10.7	119.1	324.6	0.692	0.853	8.13	11.64	20.43	36.75	6.33	22.23	14.26	G
2	25	89	56	9.9	7.73	16.5	335.8	327.0	0.626	0.833	7.42	11.64	5.75	57.79	5.89	21.82	8.75	G
2	25	89	56	12.9	7.63	28.3	7.6	304.2	0.613	0.667	8.26	14.22	45.83	25.58	8.60	16.06	3.92	G
2	25	89	56	15.9	7.12	16.8	48.6	337.2	0.624	0.386	7.76	14.22	27.89	22.97	11.60	27.85	9.69	G
2	25	89	56	18.9	7.18	1.4	107.1	314.1	0.668	0.306	8.98	9.85	10.67	47.67	16.79	16.52	8.34	G
2	25	89	56	21.9	7.61	22.3	333.8	270.3	0.694	0.311	9.48	11.64	5.56	74.13	10.77	5.20	4.34	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
2	26	89	57	0.9	7.59	28.7	355.4	321.6	0.653	0.251	9.85	11.64	9.47	80.57	5.57	1.94	2.45	G
2	26	89	57	3.9	7.15	8.1	38.8	293.1	0.650	0.180	8.98	11.64	10.04	78.54	3.07	1.24	7.11	G
2	26	89	57	6.9	7.06	3.8	177.9	290.7	0.669	0.171	8.68	11.64	5.68	75.44	7.62	5.65	5.61	G
2	26	89	57	9.9	7.34	15.8	261.1	316.9	0.619	0.177	6.74	11.64	7.02	55.57	8.20	18.34	10.88	G
2	26	89	57	12.9	7.41	7.9	22.2	321.6	0.599	0.198	8.13	11.64	10.54	63.15	5.28	8.63	12.40	G
2	26	89	57	15.9	6.93	15.8	175.6	269.8	0.601	0.188	5.89	11.64	7.72	56.79	2.19	7.36	25.93	G
2	26	89	57	18.9	6.92	24.1	165.8	300.6	0.752	0.154	6.83	9.85	7.60	46.33	15.01	25.41	5.65	G
2	26	89	57	21.9	7.35	6.1	296.9	283.5	0.747	0.189	6.24	9.85	4.68	35.10	7.76	43.65	8.81	G
2	27	89	58	0.9	7.51	15.5	33.9	300.3	0.675	0.189	6.92	11.64	6.35	45.21	8.85	24.57	15.03	G
2	27	89	58	3.9	7.09	17.4	94.8	290.8	0.656	0.142	7.76	11.64	7.54	70.21	3.71	12.19	6.34	G
2	27	89	58	6.9	6.91	22.9	135.4	294.6	0.722	0.127	8.39	11.64	4.44	55.22	17.82	14.24	8.28	G
2	27	89	58	9.9	7.20	10.8	164.2	285.2	0.700	0.149	7.11	4.74	9.57	27.38	18.37	36.64	8.04	G
2	27	89	58	12.9	7.28	6.8	5.0	291.9	0.774	0.169	8.39	11.64	3.36	71.18	6.82	14.92	3.72	G
2	27	89	58	15.9	6.95	12.0	91.7	293.3	0.754	0.138	9.48	11.64	23.92	50.44	11.27	10.19	4.18	G
2	27	89	58	18.9	6.83	20.0	164.0	313.5	0.716	0.109	7.76	11.64	13.56	55.48	10.30	11.88	8.78	G
2	27	89	58	21.9	7.15	7.7	274.0	278.0	0.698	0.118	7.64	8.53	16.35	42.90	11.63	20.00	9.12	G
2	28	89	59	0.9	7.49	21.1	345.6	285.0	0.701	0.150	8.53	9.85	9.48	64.00	12.30	7.04	7.18	G
2	28	89	59	3.9	7.28	26.6	17.0	265.3	0.687	0.197	7.21	11.64	7.40	55.70	13.39	6.05	17.46	G
2	28	89	59	6.9	7.01	10.9	56.6	241.9	0.582	0.262	4.23	11.64	5.24	26.04	6.59	19.69	42.44	G
2	28	89	59	9.9	7.23	5.8	326.6	172.4	0.607	0.351	4.34	5.12	2.79	15.69	3.11	43.01	35.40	G
2	28	89	59	12.9	7.50	14.6	323.9	176.6	0.557	0.457	4.65	4.13	1.81	9.12	16.32	48.01	24.74	G
2	28	89	59	15.9	7.32	13.5	57.3	186.4	0.751	0.632	4.79	4.74	2.52	5.67	17.94	63.55	10.31	G
2	28	89	59	18.9	7.10	19.2	129.4	191.1	0.769	0.428	4.61	4.41	2.38	5.51	14.60	64.01	13.50	G
2	28	89	59	21.9	7.27	11.5	184.7	193.7	0.630	0.337	4.92	6.10	1.35	10.18	32.68	38.20	17.59	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
3	1	89	60	0.9	7.66	22.9	334.6	266.0	0.680	0.300	6.17	6.10	3.42	23.17	32.08	29.03	12.30	G
3	1	89	60	3.9	7.55	26.9	4.8	274.9	0.684	0.261	6.40	7.53	4.02	19.20	42.02	25.26	9.50	G
3	1	89	60	6.9	7.22	13.5	37.3	291.6	0.686	0.223	7.53	8.53	3.84	47.77	30.97	12.15	5.28	G
3	1	89	60	9.9	7.12	10.3	127.5	283.6	0.682	0.166	7.64	7.53	4.35	39.80	39.60	9.03	7.23	G
3	1	89	60	12.9	7.38	9.1	258.5	289.0	0.642	0.185	7.31	7.53	2.70	40.12	40.62	8.86	7.69	G
3	1	89	60	15.9	7.31	10.5	81.3	285.7	0.761	0.164	7.76	8.53	5.44	54.13	15.09	18.23	7.10	G
3	1	89	60	18.9	7.05	15.1	124.2	296.8	0.764	0.149	8.83	11.64	4.58	72.49	17.05	2.51	3.37	G
3	1	89	60	21.9	7.04	27.5	177.9	324.3	0.655	0.123	8.13	8.53	3.91	71.49	12.90	5.28	6.41	G
3	2	89	61	0.9	7.44	18.3	234.9	225.6	0.518	0.150	7.42	7.53	4.00	47.67	26.47	16.14	5.73	G
3	2	89	61	3.9	7.55	7.7	332.0	324.4	0.582	0.215	6.56	11.64	4.65	47.82	17.23	9.74	20.55	G
3	2	89	61	6.9	7.18	11.7	80.8	194.9	0.717	0.234	4.38	11.64	8.35	32.16	7.49	11.56	40.45	G
3	2	89	61	9.9	7.02	14.2	124.1	306.8	0.551	0.215	4.45	11.64	3.81	25.69	5.99	21.30	43.20	G
3	2	89	61	12.9	7.23	9.2	249.8	275.6	0.644	0.196	5.07	11.64	3.62	29.98	17.38	17.96	31.06	G
3	2	89	61	15.9	7.32	13.2	343.6	280.1	0.711	0.196	6.32	11.64	5.55	49.48	11.73	17.48	15.77	G
3	2	89	61	18.9	7.07	19.0	41.0	277.6	0.702	0.165	6.17	11.64	3.87	44.73	14.22	19.03	18.15	G
3	2	89	61	21.9	6.86	13.8	112.2	281.9	0.802	0.164	5.69	11.64	5.19	37.24	16.62	19.34	21.60	G
3	3	89	62	0.9	7.22	13.7	264.5	277.8	0.775	0.249	5.89	9.85	1.38	44.25	6.55	36.26	11.56	G
3	3	89	62	3.9	7.51	29.2	336.6	273.1	0.748	0.232	5.12	5.12	3.33	26.47	9.89	43.78	16.54	G
3	3	89	62	6.9	7.33	20.0	13.0	36.4	0.823	0.448	4.49	4.41	1.96	9.88	10.75	59.43	17.98	S
3	3	89	62	9.9	6.97	12.6	75.6	194.0	0.563	0.283	4.41	3.88	2.59	7.20	17.68	32.18	40.36	G
3	3	89	62	12.9	7.09	5.6	168.2	284.3	0.546	0.343	4.53	6.10	2.68	9.29	41.77	19.13	27.12	G
3	3	89	62	15.9	7.40	8.5	296.4	221.7	0.606	0.402	5.02	6.74	2.28	10.10	40.69	29.39	17.54	G
3	3	89	62	18.9	7.38	16.9	8.3	226.8	0.698	0.561	5.07	3.88	3.28	22.20	17.53	31.73	25.26	G
3	3	89	62	21.9	7.08	13.6	47.8	208.0	0.690	0.699	4.97	4.41	1.20	23.74	8.53	54.64	11.89	G
3	4	89	63	0.9	7.30	6.6	235.2	216.7	0.605	0.973	5.28	4.41	1.88	16.73	18.25	55.38	7.76	G
3	4	89	63	3.9	7.73	24.8	321.3	285.5	0.557	0.848	6.17	9.85	1.35	42.28	22.56	23.19	10.61	G
3	4	89	63	6.9	7.70	34.6	1.5	211.4	0.703	0.571	6.83	9.85	2.53	36.72	34.95	18.91	6.89	S
3	4	89	63	9.9	7.25	16.5	42.4	298.5	0.642	0.628	7.64	8.53	5.34	60.32	11.64	15.54	7.17	G
3	4	89	63	12.9	7.21	4.6	106.8	294.0	0.774	0.574	8.13	9.85	6.46	61.03	16.69	5.79	10.02	G
3	4	89	63	15.9	7.61	9.1	265.2	308.0	0.743	0.662	8.26	9.85	6.24	71.05	13.14	4.87	4.72	G
3	4	89	63	18.9	7.69	11.2	337.2	315.9	0.540	0.694	7.76	9.85	9.21	34.77	13.86	32.48	9.68	G
3	4	89	63	21.9	7.25	16.9	64.5	322.4	0.588	0.488	7.53	11.64	12.09	46.03	10.14	19.25	12.49	G
3	5	89	64	0.9	7.16	21.5	165.0	309.9	0.725	0.392	8.26	11.64	7.52	65.90	10.85	4.55	11.17	G
3	5	89	64	3.9	7.65	15.7	269.7	290.1	0.610	0.477	8.98	11.64	20.40	50.92	14.46	10.41	3.81	G
3	5	89	64	6.9	7.85	30.3	352.6	289.8	0.698	0.406	9.31	11.64	21.65	59.01	7.36	9.20	2.79	G
3	5	89	64	9.9	7.30	25.4	38.6	290.9	0.737	0.299	10.24	11.64	14.43	60.25	12.43	9.80	3.09	G
3	5	89	64	12.9	6.98	19.1	133.7	288.6	0.812	0.262	10.04	11.64	25.90	59.72	6.84	5.11	2.43	G
3	5	89	64	15.9	7.34	5.8	293.3	295.8	0.722	0.276	8.13	11.64	9.00	58.82	15.87	13.60	2.71	G
3	5	89	64	18.9	7.60	20.3	345.2	292.2	0.726	0.288	9.48	11.64	16.85	55.06	17.11	6.76	4.22	G
3	5	89	64	21.9	7.14	15.6	70.3	288.2	0.705	0.170	8.83	11.64	30.85	41.77	14.38	7.68	5.32	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
3	6	89	65	0.9	6.82	33.0	149.4	298.0	0.596	0.098	8.83	8.53	15.55	64.82	9.91	3.22	6.50	G
3	6	89	65	3.9	7.33	25.0	218.0	305.6	0.641	0.161	7.53	11.64	6.66	53.44	19.82	15.79	4.29	G
3	6	89	65	6.9	7.78	10.0	341.9	287.1	0.656	0.252	7.88	9.85	4.85	55.29	17.97	13.18	8.70	G
3	6	89	65	9.9	7.41	16.7	54.9	216.2	0.806	0.401	4.45	4.13	3.87	8.70	8.62	53.90	24.92	G
3	6	89	65	12.9	6.91	30.5	144.9	198.4	0.798	0.278	3.94	3.88	2.21	9.95	4.31	35.07	48.46	G
3	6	89	65	15.9	7.33	25.3	213.5	189.2	0.815	0.540	4.13	4.13	2.07	5.05	4.04	62.04	26.80	G
3	6	89	65	18.9	7.93	23.7	310.9	199.4	0.693	0.661	4.74	4.74	1.84	4.00	15.85	58.10	20.21	G
3	6	89	65	21.9	7.73	24.2	21.3	192.4	0.628	0.840	5.51	5.12	2.71	20.10	18.96	47.33	10.90	G
3	7	89	66	0.9	7.16	26.0	103.3	191.9	0.763	1.070	5.12	5.12	2.09	15.58	7.96	61.08	13.28	G
3	7	89	66	3.9	7.52	21.8	200.2	180.0	0.777	1.194	5.33	5.12	1.42	18.73	8.57	59.87	11.41	G
3	7	89	66	6.9	8.20	22.2	301.1	188.5	0.700	1.273	6.10	6.10	1.95	21.72	30.45	37.69	8.19	G
3	7	89	66	9.9	8.14	23.6	9.8	189.0	0.676	1.420	6.32	6.10	1.77	31.60	33.91	27.67	5.06	G
3	7	89	66	12.9	7.53	39.5	123.7	179.8	0.773	1.478	5.69	5.57	2.88	21.18	20.13	46.91	8.90	G
3	7	89	66	15.9	7.64	17.7	191.4	189.1	0.719	1.263	6.10	5.12	3.16	23.79	11.61	51.31	10.14	G
3	7	89	66	18.9	8.36	31.5	320.7	177.6	0.602	1.203	6.24	5.57	8.32	31.51	18.22	34.34	7.61	G
3	7	89	66	21.9	8.32	38.6	1.0	172.6	0.543	1.626	7.31	6.10	11.76	29.99	32.82	21.37	4.06	G
3	8	89	67	0.9	7.63	31.6	92.7	189.0	0.739	1.450	5.89	5.57	5.33	9.99	30.67	45.90	8.11	G
3	8	89	67	3.9	7.62	27.1	170.5	180.1	0.764	1.167	5.17	9.85	3.96	26.38	12.70	38.30	18.65	G
3	8	89	67	6.9	8.29	21.2	266.8	189.9	0.680	1.463	6.17	6.10	7.20	23.56	31.57	27.56	10.11	G
3	8	89	67	9.9	8.44	17.6	357.2	197.9	0.709	1.436	6.48	6.10	5.75	20.88	33.79	33.70	5.88	G
3	8	89	67	12.9	7.73	38.3	120.0	178.4	0.748	1.557	6.17	6.10	3.46	19.69	31.25	37.63	7.98	G
3	8	89	67	15.9	7.58	37.1	169.3	187.9	0.833	1.528	5.45	5.57	1.94	6.50	10.74	70.93	9.88	G
3	8	89	67	18.9	8.26	21.2	266.4	188.9	0.620	1.425	6.40	9.85	3.11	38.37	12.62	39.37	6.53	G
3	8	89	67	21.9	8.50	32.3	345.5	192.2	0.613	1.330	6.65	5.12	13.07	20.68	22.83	37.41	6.01	G
3	9	89	68	0.9	7.85	31.5	66.1	177.2	0.671	1.276	6.32	5.12	12.85	25.56	19.08	35.57	6.93	G
3	9	89	68	3.9	7.48	32.9	149.9	179.9	0.757	1.136	5.63	5.57	2.59	18.12	10.01	60.33	8.95	G
3	9	89	68	6.9	8.09	19.4	242.7	181.6	0.631	1.291	6.02	5.12	6.05	28.79	15.26	40.67	9.23	G
3	9	89	68	9.9	8.44	23.6	338.7	188.6	0.625	1.313	7.01	6.10	11.82	28.81	23.59	29.41	6.38	G
3	9	89	68	12.9	7.83	21.8	65.7	181.9	0.634	1.283	6.48	5.12	16.42	23.04	9.95	42.20	8.39	G
3	9	89	68	15.9	7.33	33.9	148.4	181.9	0.771	1.136	5.45	5.57	13.29	15.98	10.57	47.28	12.88	G
3	9	89	68	18.9	7.90	15.7	249.7	326.0	0.623	1.045	7.01	11.64	17.67	31.77	11.90	23.80	14.87	G
3	9	89	68	21.9	8.36	30.7	336.5	176.1	0.641	0.953	6.92	5.12	14.19	30.47	18.28	30.51	6.54	G
3	10	89	69	0.9	7.86	24.8	28.4	171.5	0.695	0.922	6.24	5.57	15.02	20.31	12.24	44.49	7.95	G
3	10	89	69	3.9	7.24	30.5	122.5	174.0	0.664	0.757	6.48	14.22	29.66	13.25	6.07	36.16	14.85	G
3	10	89	69	6.9	7.67	22.4	210.9	180.5	0.671	0.814	5.89	11.64	11.19	30.81	9.01	25.05	23.94	G
3	10	89	69	9.9	8.26	17.8	309.3	175.5	0.647	0.909	6.32	14.22	21.31	19.79	11.81	36.56	10.53	G
3	10	89	69	12.9	7.84	25.0	38.6	162.7	0.632	0.812	7.21	14.22	21.65	32.55	6.80	29.37	9.63	G
3	10	89	69	15.9	7.23	31.4	131.3	155.8	0.644	0.739	7.21	11.64	14.56	46.39	5.03	23.76	10.27	G
3	10	89	69	18.9	7.67	17.2	231.9	289.3	0.738	0.779	8.13	9.85	3.87	54.74	22.07	7.08	12.24	G
3	10	89	69	21.9	8.24	31.0	329.9	285.1	0.658	0.789	7.11	11.64	9.24	41.69	18.28	16.65	14.14	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
3	11	89	70	0.9	7.99	35.4	8.6	255.4	0.684	0.720	7.88	14.22	24.30	38.30	13.63	18.58	5.18	G
3	11	89	70	3.9	7.25	21.5	96.9	270.6	0.539	0.476	7.31	11.64	22.10	41.42	9.76	8.03	18.70	G
3	11	89	70	6.9	7.36	22.5	170.4	294.3	0.679	0.423	7.31	9.85	8.84	52.74	24.36	5.04	9.02	G
3	11	89	70	9.9	7.96	14.5	286.3	299.3	0.587	0.521	7.76	11.64	9.83	48.90	23.19	9.97	8.10	G
3	11	89	70	12.9	7.74	17.4	27.2	296.0	0.695	0.441	9.31	11.64	25.89	42.12	15.28	13.43	3.28	G
3	11	89	70	15.9	7.08	23.8	118.0	288.0	0.832	0.354	10.67	11.64	35.08	52.59	7.96	3.15	1.22	G
3	11	89	70	18.9	7.25	27.3	190.9	290.3	0.697	0.313	9.48	9.85	14.10	52.45	15.30	15.52	2.63	G
3	11	89	70	21.9	7.88	15.2	259.6	288.9	0.668	0.506	8.13	11.64	7.25	61.73	13.16	12.48	5.38	G
3	12	89	71	0.9	7.83	30.4	3.5	290.1	0.657	0.364	9.66	11.64	25.65	49.67	13.20	8.55	2.94	G
3	12	89	71	3.9	7.15	19.9	79.3	292.9	0.693	0.267	9.85	11.64	22.52	62.60	8.48	4.81	1.59	G
3	12	89	71	6.9	6.99	25.3	154.6	301.9	0.797	0.297	10.24	11.64	10.60	74.96	4.49	5.45	4.49	G
3	12	89	71	9.9	7.52	14.5	255.9	294.2	0.717	0.320	8.26	9.85	9.92	62.93	12.16	9.44	5.55	G
3	12	89	71	12.9	7.63	5.0	38.6	290.1	0.785	0.313	8.13	11.64	18.65	44.56	9.90	18.85	8.05	G
3	12	89	71	15.9	7.21	23.8	131.8	164.6	0.692	0.359	5.07	11.64	12.17	38.69	6.24	9.10	33.80	G
3	12	89	71	18.9	7.18	32.6	173.0	188.8	0.732	0.285	4.06	4.41	5.00	11.34	2.63	42.41	38.63	G
3	12	89	71	21.9	7.72	17.6	264.7	184.9	0.673	0.419	5.39	4.41	2.66	26.33	9.93	38.11	22.97	G
3	13	89	72	0.9	7.92	29.8	346.6	294.9	0.571	0.279	5.63	4.74	6.33	22.92	19.62	41.70	9.43	G
3	13	89	72	3.9	7.49	23.0	22.3	269.8	0.564	0.257	6.74	11.64	9.54	48.00	9.95	22.92	9.59	G
3	13	89	72	6.9	7.17	15.7	118.6	286.6	0.701	0.266	7.53	9.85	4.92	61.65	10.87	6.98	15.58	G
3	13	89	72	9.9	7.42	7.4	213.5	302.0	0.533	0.278	5.51	9.85	3.03	39.60	15.93	10.99	30.45	G
3	13	89	72															M
3	13	89	72	15.7	7.10	22.0	49.6	271.4	0.965	0.226	8.26	11.64	4.38	56.07	16.46	12.94	10.15	S
3	13	89	72	18.7	6.82	16.5	116.7	279.6	0.836	0.236	5.63	11.64	7.18	46.76	14.37	6.62	25.08	G
3	13	89	72	21.7	7.15	8.8	195.8	282.5	0.812	0.297	4.70	8.53	4.51	23.75	8.48	36.12	27.14	G
3	14	89	73	0.7	7.59	27.4	332.0	276.4	0.880	0.399	5.17	4.74	3.19	17.26	12.69	48.96	17.91	G
3	14	89	73	3.7	7.41	21.8	26.3	234.1	0.579	0.369	4.65	3.88	4.95	15.55	5.61	41.23	32.66	G
3	14	89	73	6.7	7.00	17.4	93.8	190.6	0.671	0.379	4.27	4.13	5.81	7.83	4.82	58.79	22.75	G
3	14	89	73	9.7	7.02	24.5	156.0	218.6	0.521	0.266	4.70	3.88	6.08	15.32	10.66	33.89	34.04	G
3	14	89	73	12.7	7.39	9.8	267.7	283.6	0.754	0.312	6.10	5.57	3.86	17.27	29.60	37.24	12.03	G
3	14	89	73	15.7	7.26	10.7	11.4	281.3	0.842	0.319	6.56	7.53	2.38	13.37	57.66	15.91	10.69	G
3	14	89	73	18.7	6.89	24.8	113.7	285.7	0.887	0.245	7.31	8.53	3.62	44.84	25.94	21.28	4.33	G
3	14	89	73	21.7	6.91	18.4	153.4	293.6	0.839	0.245	6.92	6.74	1.43	23.81	55.52	16.63	2.62	G
3	15	89	74	0.7	7.36	17.0	277.5	281.0	0.695	0.255	6.02	6.74	3.24	19.90	38.69	28.85	9.31	G
3	15	89	74	3.7	7.38	16.4	340.0	277.4	0.816	0.248	6.48	7.53	2.18	18.63	49.07	23.58	6.55	G
3	15	89	74	6.7	6.96	20.9	70.5	291.0	0.778	0.218	6.74	7.53	2.26	22.28	51.99	17.32	6.14	G
3	15	89	74	9.7	6.72	21.4	127.1	288.4	0.800	0.170	7.88	9.85	6.13	41.40	28.72	16.10	7.66	G
3	15	89	74	12.7	7.00	11.0	210.9	287.6	0.775	0.242	6.65	7.53	2.80	20.15	48.90	13.71	14.44	G
3	15	89	74	15.7	7.14	5.2	283.1	286.0	0.791	0.230	6.40	6.10	4.70	16.22	36.12	32.19	10.77	G
3	15	89	74	18.7	6.86	10.0	91.2	282.3	0.855	0.193	6.83	8.53	6.35	41.38	20.57	20.08	11.62	G
3	15	89	74	21.7	6.64	23.0	155.6	287.9	0.786	0.151	6.83	5.57	3.04	14.14	31.71	43.19	7.92	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
3	16	89	75	0.7	6.99	20.0	198.5	279.9	0.724	0.190	5.95	5.57	2.00	12.89	14.48	65.33	5.30	G
3	16	89	75	3.7	7.42	11.7	287.4	283.1	0.791	0.220	5.69	6.10	4.64	19.24	32.83	36.43	6.86	G
3	16	89	75	6.7	7.15	13.6	90.3	181.4	0.600	0.245	4.65	3.66	6.70	17.20	22.38	9.00	44.72	G
3	16	89	75	9.7	6.88	32.6	138.8	175.1	0.787	0.238	3.71	3.46	2.69	9.99	8.74	11.42	67.17	G
3	16	89	75	12.7	7.04	18.8	194.4	197.0	0.742	0.325	4.27	3.88	6.02	5.42	14.83	30.77	42.96	G
3	16	89	75	15.7	7.24	16.5	295.5	274.2	0.708	0.216	5.22	7.53	7.00	13.88	35.86	27.54	15.72	G
3	16	89	75	18.7	7.09	11.4	20.9	280.5	0.746	0.164	6.02	5.57	6.70	10.58	27.94	41.52	13.26	G
3	16	89	75	21.7	6.73	22.3	107.8	283.2	0.725	0.127	6.10	9.85	11.35	42.81	11.69	20.72	13.43	G
3	17	89	76	0.7	6.92	8.9	232.2	290.7	0.765	0.120	7.01	7.53	13.14	20.07	32.80	25.35	8.63	G
3	17	89	76	3.7	7.27	22.1	288.0	288.8	0.706	0.161	6.92	7.53	7.77	27.33	32.94	24.80	7.16	G
3	17	89	76	6.7	7.24	19.7	12.8	286.4	0.692	0.162	6.65	9.85	8.96	36.92	22.53	24.76	6.83	G
3	17	89	76	9.7	6.82	18.4	95.3	281.9	0.673	0.153	6.83	8.53	4.01	47.09	21.34	14.94	12.62	G
3	17	89	76	12.7	6.77	16.7	132.8	290.0	0.780	0.110	7.76	8.53	4.08	46.63	23.55	14.07	11.67	G
3	17	89	76	15.7	7.12	14.6	255.4	294.3	0.818	0.201	5.28	8.53	8.58	27.89	17.02	24.66	21.85	G
3	17	89	76	18.7	7.15	9.5	16.9	269.1	0.919	0.206	6.10	8.53	6.94	35.00	28.30	17.24	12.52	S
3	17	89	76	21.7	6.73	15.2	125.6	272.5	0.818	0.127	6.65	8.53	4.82	37.90	18.49	25.07	13.71	G
3	18	89	77	0.7	6.66	14.0	173.0	294.3	0.774	0.112	7.11	8.53	11.04	36.16	18.73	21.99	12.08	G
3	18	89	77	3.7	7.07	18.4	271.5	286.1	0.577	0.148	5.89	6.74	2.77	13.84	37.39	30.18	15.82	G
3	18	89	77	6.7	7.20	15.4	351.4	284.4	0.755	0.178	5.57	7.53	7.65	19.07	20.43	36.68	16.17	G
3	18	89	77	9.7	6.75	18.5	55.0	268.8	0.878	0.152	6.02	8.53	5.72	28.58	21.72	33.36	10.63	S
3	18	89	77	12.7	6.50	19.0	154.6	292.2	0.707	0.124	5.95	5.57	6.77	24.17	19.52	37.62	11.93	G
3	18	89	77	15.7	6.81	17.3	247.0	285.5	0.693	0.189	5.07	5.12	5.24	8.45	17.64	49.14	19.53	G
3	18	89	77	18.7	7.10	11.1	305.7	272.0	0.755	0.188	5.02	4.74	2.62	17.46	15.41	46.14	18.38	G
3	18	89	77	21.7	6.76	14.5	120.9	282.4	0.863	0.149	6.02	5.57	4.89	18.49	21.09	47.43	8.10	G
3	19	89	78	0.7	6.58	30.5	163.1	298.7	0.676	0.118	7.31	5.12	28.84	13.83	13.00	31.77	12.55	G
3	19	89	78	3.7	7.06	28.6	199.3	208.1	0.690	0.652	4.20	4.13	1.56	1.41	2.50	66.04	28.49	G
3	19	89	78	6.7	7.40	4.6	225.1	196.0	0.831	0.643	4.70	5.12	1.48	1.65	9.05	74.24	13.59	G
3	19	89	78	9.7	7.17	16.9	91.7	193.5	0.756	0.547	4.57	6.10	2.60	1.59	24.10	52.89	18.82	G
3	19	89	78	12.7	6.74	26.2	129.4	215.7	0.652	0.445	4.23	4.74	1.92	0.92	1.84	68.55	26.77	G
3	19	89	78	15.7	6.96	11.9	245.2	206.2	0.662	0.348	4.03	4.41	2.86	6.67	8.85	39.20	42.41	G
3	19	89	78	18.7	7.34	29.7	338.0	216.9	0.677	0.260	4.49	4.74	2.58	6.42	16.94	43.47	30.59	G
3	19	89	78	21.7	7.10	35.4	22.8	267.0	0.887	0.245	4.41	4.41	2.90	13.89	13.94	35.22	34.06	S
3	20	89	79	0.7	6.71	15.6	62.8	265.8	0.782	0.197	4.38	3.88	4.44	11.47	21.67	24.67	37.74	G
3	20	89	79	3.7	6.99	10.0	308.5	271.8	0.905	0.182	5.12	6.74	4.51	14.72	39.76	14.53	26.48	G
3	20	89	79	6.7	7.40	27.8	356.0	271.8	0.959	0.154	5.12	6.74	6.14	6.80	36.45	30.64	19.97	S
3	20	89	79	9.7	7.21	31.6	9.8	277.8	0.808	0.163	5.57	7.53	4.14	11.70	41.81	24.25	18.09	S
3	20	89	79	12.7	6.73	20.8	111.3	275.8	0.882	0.123	6.10	8.53	3.31	37.94	27.21	21.70	9.83	G
3	20	89	79	15.7	6.89	13.9	149.1	292.9	0.843	0.180	4.45	8.53	5.29	25.01	21.93	17.95	29.83	G
3	20	89	79	18.7	7.39	23.1	313.7	266.6	0.788	0.194	4.65	7.53	3.42	19.41	20.81	20.76	35.59	S
3	20	89	79	21.7	7.23	23.2	29.1	267.3	0.912	0.151	5.69	7.53	4.16	27.41	27.48	20.61	20.34	S

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3	21	89	80	0.7	6.73	16.5	88.8	281.6	0.783	0.190	4.97	8.53	4.16	31.45	9.26	25.84	29.29	G
3	21	89	80	3.7	6.85	19.5	204.3	294.1	0.811	0.243	4.61	4.74	3.00	16.24	10.60	52.30	17.87	G
3	21	89	80	6.7	7.27	14.0	273.8	291.3	0.702	0.345	4.70	4.74	2.25	12.59	10.97	54.59	19.60	G
3	21	89	80	9.7	7.10	5.3	28.7	275.5	0.848	0.288	6.17	7.53	2.10	12.13	50.29	29.19	6.29	G
3	21	89	80	12.7	6.65	24.8	132.7	285.9	0.710	0.189	4.88	9.85	2.41	36.11	25.78	13.40	22.30	G
3	21	89	80	15.7	6.81	41.7	181.0	209.2	0.672	0.178	3.48	3.28	2.73	9.44	11.07	8.15	68.62	G
3	21	89	80	18.7	7.35	15.4	253.5	266.6	0.798	0.345	5.12	6.74	3.18	13.48	35.97	21.93	25.44	S
3	21	89	80	21.7	7.36	15.2	30.9	266.7	0.848	0.300	6.02	7.53	3.14	28.51	33.12	15.25	19.98	S
3	22	89	81	0.7	6.89	28.8	103.7	174.3	0.621	0.248	4.16	3.66	2.61	26.84	7.55	6.37	56.62	G
3	22	89	81	3.7	6.91	21.6	185.9	194.5	0.751	0.495	4.30	4.41	2.28	6.44	3.12	66.58	21.58	G
3	22	89	81	6.7	7.39	18.9	270.5	208.0	0.551	0.399	4.27	4.13	2.44	9.15	7.27	53.35	27.79	G
3	22	89	81	9.7	7.46	20.0	13.8	260.6	0.748	0.356	5.02	5.12	3.90	14.17	11.59	53.45	16.89	G
3	22	89	81	12.7	6.94	29.5	89.7	211.4	0.687	0.509	4.49	4.74	2.16	10.03	18.18	39.98	29.66	G
3	22	89	81	15.7	6.83	18.9	161.4	200.1	0.660	0.429	4.30	4.41	1.38	2.90	10.96	54.65	30.12	G
3	22	89	81	18.7	7.39	21.9	281.0	270.8	0.613	0.356	5.12	5.57	1.78	8.92	29.56	36.78	22.96	G
3	22	89	81	21.7	7.54	29.3	1.1	250.2	0.748	0.347	4.57	4.13	2.05	17.37	11.71	36.98	31.89	G
3	23	89	82	0.7	7.03	26.4	56.4	254.0	0.705	0.407	4.61	3.66	2.39	10.88	13.30	45.58	27.85	G
3	23	89	82	3.7	6.87	20.5	134.6	249.7	0.533	0.362	4.06	3.66	1.88	4.85	18.23	22.58	52.46	G
3	23	89	82	6.7	7.37	20.2	261.0	257.9	0.658	0.433	4.45	3.66	2.80	9.17	20.82	35.30	31.90	G
3	23	89	82	9.7	7.61	22.0	354.2	247.6	0.589	0.491	4.88	5.57	2.71	5.76	23.80	47.43	20.29	G
3	23	89	82	12.7	7.16	21.8	76.5	207.6	0.665	0.796	4.65	4.41	1.06	6.25	19.64	62.18	10.87	G
3	23	89	82	15.7	7.00	19.1	146.5	214.6	0.685	0.779	4.61	5.12	2.04	6.33	18.95	57.07	15.61	G
3	23	89	82	18.7	7.47	20.1	261.8	238.4	0.641	1.079	5.22	4.13	1.88	14.54	32.52	41.58	9.48	G
3	23	89	82	21.7	7.85	31.6	334.1	242.2	0.728	1.296	5.39	5.12	2.44	10.45	21.37	57.11	8.63	G
3	24	89	83	0.7	7.37	25.0	58.7	284.9	0.666	0.848	6.32	9.85	1.63	34.87	15.37	39.70	8.43	G
3	24	89	83	3.7	6.96	25.1	128.3	288.0	0.810	0.687	5.57	9.85	2.14	38.64	8.06	40.92	10.24	S
3	24	89	83	6.7	7.35	3.6	270.0	285.5	0.668	0.686	6.56	9.85	2.24	47.85	12.62	28.42	8.85	G
3	24	89	83	9.7	7.65	22.2	325.7	272.5	0.700	0.796	8.00	9.85	2.89	36.80	28.60	24.71	7.00	G
3	24	89	83	12.7	7.28	20.5	58.6	286.8	0.845	0.647	8.13	11.64	4.13	63.47	20.96	6.92	4.52	G
3	24	89	83	15.7	6.91	27.3	134.9	293.7	0.821	0.419	8.39	8.53	3.85	63.33	17.43	5.07	10.32	G
3	24	89	83	18.7	7.30	19.9	222.8	298.3	0.716	0.452	6.74	9.85	1.96	62.02	13.70	7.55	14.77	G
3	24	89	83	21.7	7.71	5.8	287.9	312.4	0.708	0.511	8.13	9.85	4.50	59.47	13.24	14.25	8.54	G
3	25	89	84	0.7	7.35	13.8	82.8	307.5	0.615	0.400	6.56	9.85	5.36	57.10	7.34	14.97	15.23	G
3	25	89	84	3.7	6.90	27.4	135.6	287.7	0.545	0.215	5.33	9.85	5.07	45.49	7.76	17.21	24.48	G
3	25	89	84	6.7	7.15	25.0	190.4	286.1	0.570	0.248	7.21	9.85	2.79	61.59	13.48	3.20	18.94	G
3	25	89	84	9.7	7.53	9.9	269.4	293.4	0.716	0.257	8.39	9.85	2.26	65.29	14.67	13.99	3.79	G
3	25	89	84	12.7	7.23	8.6	67.2	287.4	0.759	0.221	8.26	11.64	9.74	66.60	11.65	5.77	6.24	G
3	25	89	84	15.7	6.80	16.0	133.6	286.1	0.823	0.187	9.14	9.85	8.48	73.21	8.73	3.72	5.86	G
3	25	89	84	18.7	7.12	8.0	238.7	303.0	0.811	0.176	8.83	9.85	5.95	66.66	13.46	6.35	7.57	G
3	25	89	84	21.7	7.54	21.4	326.5	288.1	0.773	0.162	8.26	11.64	9.40	53.18	22.02	6.03	9.37	G

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3	26	89	85	0.7	7.33	23.0	22.4	286.6	0.705	0.214	7.76	5.12	2.07	32.32	23.00	40.06	2.54	G
3	26	89	85	3.7	6.84	20.9	127.0	281.8	0.740	0.130	8.13	9.85	3.69	75.82	4.87	11.42	4.20	G
3	26	89	85	6.7	6.93	20.5	146.8	298.7	0.745	0.128	8.13	8.53	3.28	67.03	20.55	3.83	5.30	G
3	26	89	85	9.7	7.34	13.2	215.9	293.1	0.754	0.161	7.21	6.74	4.83	33.04	47.04	9.55	5.53	G
3	26	89	85	12.7	7.19	15.9	112.8	288.9	0.772	0.130	7.11	9.85	6.37	41.56	25.72	21.32	5.03	G
3	26	89	85	15.7	6.80	26.7	131.9	266.1	0.713	0.114	3.88	3.12	2.24	28.57	7.38	7.63	54.19	G
3	26	89	85	18.7	6.96	24.8	191.8	268.4	0.632	0.108	5.02	7.53	4.76	18.80	37.57	10.54	28.33	G
3	26	89	85	21.7	7.38	16.8	289.6	288.9	0.720	0.193	7.31	9.85	4.62	45.95	27.05	13.91	8.46	G
3	27	89	86	0.7	7.34	25.0	5.3	304.0	0.670	0.155	6.56	11.64	8.16	48.18	17.06	15.08	11.52	G
3	27	89	86	3.7	6.86	27.1	82.1	276.0	0.736	0.135	8.68	9.85	12.27	68.78	4.29	6.47	8.20	G
3	27	89	86	6.7	6.83	12.1	154.0	293.7	0.820	0.147	8.39	8.53	3.09	66.37	18.94	7.00	4.60	G
3	27	89	86	9.7	7.20	5.3	269.8	288.4	0.785	0.191	6.65	9.85	4.00	44.69	29.95	10.23	11.13	G
3	27	89	86	12.7	7.17	5.4	39.3	286.4	0.776	0.167	7.64	8.53	5.03	52.83	22.76	11.07	8.31	G
3	27	89	86	15.7	6.75	19.4	107.5	279.6	0.685	0.119	7.31	8.53	9.15	52.40	16.41	14.84	7.20	G
3	27	89	86	18.7	6.77	17.8	166.5	294.4	0.796	0.161	5.69	8.53	5.37	33.96	25.29	13.33	22.05	G
3	27	89	86	21.7	7.19	18.6	269.7	282.8	0.643	0.165	5.22	9.85	4.98	34.56	16.33	20.98	23.14	G
3	28	89	87	0.7	7.27	19.2	355.3	283.9	0.751	0.169	6.48	9.85	6.45	42.66	22.76	11.12	17.02	G
3	28	89	87	3.7	6.87	15.4	82.5	274.2	0.741	0.134	7.88	9.85	8.32	46.15	27.83	10.07	7.63	G
3	28	89	87	6.7	6.70	17.0	133.4	253.9	0.646	0.114	7.53	8.53	5.25	47.96	30.57	6.04	10.19	G
3	28	89	87	9.7	6.97	16.5	223.3	275.0	0.632	0.136	6.02	8.53	10.16	31.96	31.34	10.17	16.37	G
3	28	89	87	12.7	7.10	6.6	275.7	268.3	0.681	0.127	5.82	9.85	7.20	34.00	22.16	17.06	19.58	G
3	28	89	87	15.7	6.75	5.8	133.0	286.4	0.830	0.151	6.40	9.85	8.46	34.57	10.54	33.00	13.43	G
3	28	89	87	18.7	6.60	17.0	168.4	295.8	0.739	0.138	5.95	8.53	5.00	26.07	13.39	47.97	7.57	G
3	28	89	87	21.7	6.91	13.1	223.7	290.2	0.798	0.164	5.51	9.85	5.18	25.42	16.51	33.60	19.30	G
3	29	89	88	0.7	7.13	12.9	303.5	272.4	0.830	0.251	4.74	4.13	6.06	20.06	9.34	50.18	14.37	G
3	29	89	88	3.7	6.80	7.5	48.1	260.5	0.757	0.154	5.07	14.22	16.51	28.33	10.17	21.25	23.75	G
3	29	89	88	6.7	6.48	22.7	156.7	258.3	0.648	0.116	7.01	8.53	6.24	39.23	10.52	34.04	9.97	G
3	29	89	88	9.7	6.65	13.3	215.3	289.8	0.575	0.140	5.75	5.12	8.68	19.72	20.67	40.21	10.72	G
3	29	89	88	12.7	6.91	9.3	317.1	286.2	0.778	0.201	5.22	4.74	4.81	25.30	12.91	41.13	15.85	G
3	29	89	88	15.7	6.70	3.1	143.0	282.6	0.781	0.164	6.17	9.85	6.11	40.44	20.51	23.32	9.62	G
3	29	89	88	18.7	6.48	17.2	153.1	286.9	0.668	0.143	6.32	5.57	3.69	34.61	20.35	33.84	7.51	G
3	29	89	88	21.7	6.68	15.8	178.4	282.3	0.736	0.173	5.89	5.57	3.91	12.98	25.61	47.54	9.96	G
3	30	89	89	0.7	7.10	19.0	304.8	273.0	0.738	0.188	5.69	8.53	4.39	36.07	12.10	27.86	19.57	G
3	30	89	89	3.7	6.95	14.3	345.4	259.5	0.711	0.186	5.69	9.85	5.23	30.52	21.50	24.18	18.58	G
3	30	89	89	6.7	6.56	5.0	123.1	235.6	0.708	0.122	7.76	8.53	6.95	52.21	21.24	12.48	7.12	G
3	30	89	89	9.7	6.64	7.6	235.5	294.3	0.582	0.141	5.33	9.85	15.68	30.96	15.80	18.14	19.42	G
3	30	89	89	12.7	6.98	20.6	293.1	254.6	0.676	0.147	6.74	7.53	15.94	19.60	31.85	19.56	13.04	G
3	30	89	89	15.7	6.98	17.3	3.4	297.4	0.669	0.149	6.24	9.85	10.07	42.61	17.66	18.04	11.62	G
3	30	89	89	18.7	6.78	1.1	53.0	274.4	0.710	0.171	5.95	9.85	11.93	44.45	17.66	13.51	12.44	G
3	30	89	89	21.7	6.82	16.2	240.7	302.5	0.602	0.172	4.16	2.98	6.75	12.61	15.17	18.89	46.58	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
3	31	89	90	0.7	7.16	25.0	297.1	274.4	0.816	0.255	5.95	6.74	4.21	17.57	38.33	29.82	10.06	G
3	31	89	90	3.7	7.28	26.8	355.0	293.1	0.814	0.211	5.95	7.53	3.82	15.38	35.61	37.47	7.73	S
3	31	89	90	6.7	6.99	17.3	14.4	282.5	0.884	0.205	7.11	6.10	5.39	17.35	52.12	17.86	7.27	G
3	31	89	90	9.7	6.85	13.1	113.1	286.9	0.740	0.205	6.65	6.74	4.83	32.79	35.86	22.29	4.22	G
3	31	89	90	12.7	7.13	10.9	334.8	280.2	0.828	0.276	6.32	7.53	2.74	21.59	44.65	23.85	7.16	G
3	31	89	90	15.7	7.23	2.8	141.6	279.0	0.609	0.448	4.57	8.53	3.48	18.82	19.70	22.76	35.24	S
3	31	89	90	18.7	6.96	12.3	117.0	281.2	0.865	0.273	6.83	8.53	2.44	37.20	29.76	24.66	5.94	G
3	31	89	90	21.7	6.96	26.9	144.7	288.0	0.757	0.320	3.63	3.28	1.54	8.66	7.22	12.54	70.04	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
4	1	89	91	0.7	7.23	30.7	179.3	189.4	0.705	0.458	4.45	4.74	2.96	9.20	8.48	53.50	25.85	G
4	1	89	91	3.7	7.44	9.1	296.7	186.7	0.711	0.368	4.79	8.53	2.05	30.43	14.74	21.01	31.76	G
4	1	89	91	6.7	7.22	12.2	59.6	178.3	0.696	0.265	4.74	8.53	4.12	23.71	19.14	13.47	39.57	G
4	1	89	91	9.7	6.86	24.2	87.3	181.1	0.672	0.192	4.03	11.64	7.81	21.55	9.00	19.37	42.27	G
4	1	89	91	12.7	7.04	12.5	188.2	179.5	0.780	0.205	4.03	3.46	2.58	17.61	6.82	28.71	44.28	G
4	1	89	91	15.7	7.30	32.8	305.7	187.4	0.727	0.272	4.61	4.74	4.09	24.05	12.80	37.38	21.68	G
4	1	89	91	18.7	7.14	8.8	31.7	180.9	0.788	0.288	4.41	4.41	3.74	23.58	4.20	41.97	26.51	G
4	1	89	91	21.7	6.69	18.5	105.0	192.2	0.721	0.151	4.53	9.85	7.00	31.75	5.23	25.93	30.09	G
4	2	89	92	0.7	6.94	24.1	196.4	184.8	0.602	0.171	3.91	3.66	2.24	12.22	11.17	8.70	65.67	G
4	2	89	92	3.7	7.36	19.0	281.8	182.4	0.774	0.246	4.92	4.74	5.87	15.44	9.16	50.26	19.29	G
4	2	89	92	6.7	7.28	20.1	27.0	200.4	0.708	0.214	4.79	4.41	3.08	19.32	7.51	54.62	15.47	G
4	2	89	92	9.7	6.75	24.4	94.6	193.9	0.718	0.165	4.70	4.41	5.80	16.23	8.89	38.94	30.14	G
4	2	89	92	12.7	6.75	19.3	154.8	325.9	0.597	0.109	4.83	4.74	9.01	9.89	22.38	28.44	30.28	G
4	2	89	92	15.7	7.24	27.3	290.5	274.3	0.677	0.141	4.03	8.53	7.55	29.29	17.11	3.87	42.17	G
4	2	89	92	18.7	7.25	38.0	3.2	290.6	0.775	0.190	4.00	3.88	6.23	11.53	5.10	18.97	58.17	G
4	2	89	92	21.7	6.73	25.9	58.0	277.4	0.684	0.161	4.79	4.13	9.20	20.56	9.52	44.45	16.27	G
4	3	89	93	0.7	6.65	15.7	147.9	289.0	0.776	0.136	5.22	7.53	9.64	15.35	25.06	25.32	24.63	G
4	3	89	93	3.7	7.20	16.0	272.3	299.4	0.602	0.154	4.79	7.53	7.49	25.46	19.11	15.12	32.81	G
4	3	89	93	6.7	7.37	23.2	334.1	302.2	0.674	0.229	5.12	5.12	5.90	8.26	6.83	66.60	12.41	G
4	3	89	93	9.7	6.78	21.9	94.9	275.8	0.587	0.125	5.22	6.10	16.94	22.76	18.84	16.99	24.48	G
4	3	89	93	12.7	6.55	29.7	157.3	10.6	0.591	0.098	5.57	4.13	8.93	13.65	13.55	49.17	14.70	G
4	3	89	93	15.7	7.08	23.8	255.1	283.5	0.686	0.177	5.17	4.74	7.66	11.20	17.99	38.18	24.97	G
4	3	89	93	18.7	7.40	18.6	331.3	276.3	0.827	0.243	4.97	5.57	5.89	13.03	14.13	49.19	17.76	G
4	3	89	93	21.7	6.88	29.7	79.6	276.5	0.722	0.236	5.33	6.74	3.43	10.80	46.96	23.09	15.72	G
4	4	89	94	0.7	6.51	35.6	149.9	333.4	0.676	0.103	5.69	8.53	5.41	31.08	19.76	19.20	24.55	G
4	4	89	94	3.7	7.01	24.3	223.1	283.2	0.813	0.314	5.45	6.10	3.54	19.71	29.72	31.23	15.79	G
4	4	89	94	6.7	7.40	24.8	333.3	271.9	0.731	0.372	5.22	5.12	2.16	18.14	25.36	39.96	14.38	G
4	4	89	94	9.7	6.91	30.7	52.6	247.3	0.657	0.327	4.53	5.12	3.01	19.35	18.36	27.02	32.26	G
4	4	89	94	12.7	6.37	29.9	145.7	7.2	0.654	0.149	3.88	3.46	4.18	14.26	5.05	19.53	56.98	G
4	4	89	94	15.7	6.85	26.0	233.2	285.9	0.725	0.249	5.39	6.10	2.24	16.63	44.96	18.96	17.20	G
4	4	89	94	18.7	7.39	28.0	324.5	278.5	0.713	0.377	4.92	8.53	1.94	17.08	23.59	37.18	20.20	G
4	4	89	94	21.7	7.07	30.9	41.2	263.8	0.673	0.319	5.63	6.74	2.38	24.53	27.88	25.09	20.12	G
4	5	89	95	0.7	6.39	38.1	132.8	306.0	0.613	0.110	4.34	9.85	2.63	28.15	16.11	14.93	38.19	G
4	5	89	95	3.7	6.67	33.5	197.5	266.1	0.705	0.159	5.57	7.53	2.91	9.09	25.73	43.77	18.50	G
4	5	89	95	6.7	7.32	20.7	286.5	281.7	0.776	0.411	5.28	4.74	2.50	9.90	32.27	46.96	8.37	G
4	5	89	95	9.7	7.12	15.0	52.5	275.5	0.815	0.258	6.83	7.53	2.46	21.00	34.43	33.99	8.13	G
4	5	89	95	12.7	6.41	38.9	137.4	288.4	0.671	0.121	6.56	6.74	1.94	33.47	31.58	22.70	10.32	G
4	5	89	95	15.7	6.62	30.1	194.8	258.5	0.627	0.173	6.48	5.12	4.95	17.30	31.71	37.58	8.46	G
4	5	89	95	18.7	7.42	31.5	294.7	276.7	0.807	0.294	5.95	6.10	1.73	15.54	47.13	27.25	8.35	G
4	5	89	95	21.7	7.36	26.1	14.0	278.0	0.803	0.297	6.48	7.53	1.66	16.02	42.80	33.59	5.94	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
4	6	89	96	0.7	6.70	46.1	118.6	178.4	0.786	0.446	3.88	3.88	3.47	5.98	3.14	44.42	43.00	G
4	6	89	96	3.7	6.56	28.9	174.2	201.4	0.707	0.322	3.79	4.41	2.13	1.87	3.45	54.91	37.64	G
4	6	89	96	6.7	7.36	27.9	280.3	180.0	0.655	0.557	4.61	4.41	2.80	7.89	12.89	62.81	13.62	G
4	6	89	96	9.7	7.32	23.8	13.2	272.3	0.577	0.333	6.02	9.85	3.53	32.96	22.46	26.51	14.55	G
4	6	89	96	12.7	6.66	23.5	91.7	274.6	0.942	0.235	6.83	9.85	3.15	49.51	9.99	17.13	20.22	S
4	6	89	96	15.7	6.52	29.9	163.4	281.3	0.646	0.117	5.63	8.53	9.88	43.62	15.70	5.16	25.64	G
4	6	89	96	18.7	7.30	29.7	286.5	256.9	0.545	0.241	7.53	8.53	1.67	57.41	24.47	8.80	7.65	G
4	6	89	96	21.7	7.52	35.1	357.4	214.8	0.664	0.168	7.88	9.85	4.89	52.54	23.45	8.25	10.87	G
4	7	89	97	0.7	6.74	33.9	73.5	211.2	0.592	0.154	7.53	11.64	7.22	66.20	10.54	2.54	13.50	G
4	7	89	97	3.7	6.38	39.5	155.1	288.6	0.681	0.055	6.65	9.85	6.35	61.74	8.38	2.35	21.19	G
4	7	89	97	6.7	7.06	21.8	254.8	285.4	0.727	0.206	7.53	8.53	2.33	66.02	20.88	4.97	5.80	G
4	7	89	97	9.7	7.36	24.5	347.3	297.2	0.739	0.188	6.92	9.85	4.31	60.61	12.03	6.39	16.66	G
4	7	89	97	12.7	6.79	27.4	84.9	266.3	0.550	0.176	5.95	8.53	8.00	43.33	7.71	5.15	35.81	G
4	7	89	97	15.7	6.57	33.1	176.3	219.0	0.786	0.537	3.88	3.88	2.58	1.50	1.08	34.71	60.14	G
4	7	89	97	18.7	7.55	36.1	264.6	189.1	0.722	0.967	4.74	4.13	4.80	3.75	6.24	70.51	14.70	G
4	7	89	97	21.7	7.72	17.2	9.0	248.0	0.514	1.161	5.75	6.74	0.71	8.81	46.66	36.41	7.41	S
4	8	89	98	0.7	7.05	29.8	81.2	113.8	0.678	0.575	5.45	5.57	1.67	13.18	17.05	57.73	10.38	S
4	8	89	98	3.7	6.52	33.4	128.1	268.4	0.695	0.319	4.65	4.41	1.36	7.19	5.72	74.47	11.26	G
4	8	89	98	6.7	6.90	18.5	226.1	256.1	0.685	0.263	7.01	8.53	3.05	38.67	37.36	6.01	14.91	G
4	8	89	98	9.7	7.43	35.1	326.5	233.7	0.669	0.223	7.11	7.53	2.43	30.89	46.36	14.10	6.22	G
4	8	89	98	12.7	7.02	23.7	38.1	274.7	0.963	0.194	8.53	9.85	5.71	60.12	24.19	5.13	4.86	S
4	8	89	98	15.7	6.48	31.8	114.8	274.2	0.811	0.161	4.13	9.85	3.67	28.54	19.34	1.90	46.55	G
4	8	89	98	18.7	6.87	15.6	253.1	286.4	0.768	0.211	6.56	9.85	3.03	33.12	31.50	9.92	22.42	G
4	8	89	98	21.7	7.54	38.7	337.8	213.9	0.661	0.171	6.40	8.53	2.04	40.46	28.65	15.42	13.43	G
4	9	89	99	0.7	7.28	34.4	11.6	105.7	0.920	0.131	5.75	9.85	8.31	39.46	23.00	12.55	16.69	S
4	9	89	99	3.7	6.54	42.1	117.3	292.7	0.773	0.086	5.95	9.85	6.01	51.83	12.55	11.99	17.62	G
4	9	89	99	6.7	6.63	30.0	172.4	128.0	0.637	0.077	3.53	2.84	11.06	18.02	10.21	4.25	56.47	G
4	9	89	99	9.7	7.26	20.4	265.5	307.5	0.563	0.140	5.33	6.10	6.49	16.80	25.43	17.74	33.54	G
4	9	89	99	12.7	7.16	4.5	267.5	281.8	0.947	0.166	5.82	9.85	9.11	34.28	19.20	10.85	26.57	S
4	9	89	99	15.7	6.62	30.0	143.7	285.8	0.777	0.068	5.33	9.85	11.84	31.92	22.10	6.76	27.38	G
4	9	89	99	18.7	6.78	29.8	190.8	261.1	0.593	0.085	7.64	8.53	6.42	35.26	26.63	11.75	19.94	G
4	9	89	99	21.7	7.41	23.3	283.7	280.9	0.837	0.252	6.56	8.53	1.49	41.08	27.50	21.40	8.53	G
4	10	89	100	0.7	7.39	23.3	6.6	279.7	0.912	0.160	7.01	9.85	7.12	44.38	23.56	11.43	13.50	G
4	10	89	100	3.7	6.76	30.8	88.7	256.3	0.645	0.135	8.26	9.85	12.75	59.39	7.21	13.04	7.61	G
4	10	89	100	6.7	6.62	31.3	154.1	308.9	0.631	0.089	6.32	5.12	8.78	25.27	13.20	40.66	12.09	G
4	10	89	100	9.7	7.12	20.7	252.9	284.9	0.878	0.171	7.31	8.53	5.21	39.25	38.05	9.74	7.75	G
4	10	89	100	12.7	7.22	10.4	357.8	282.9	0.905	0.180	7.53	8.53	5.78	54.34	25.68	6.26	7.94	G
4	10	89	100	15.7	6.75	21.1	104.5	283.5	0.836	0.169	6.17	9.85	14.90	47.29	11.55	6.67	19.59	G
4	10	89	100	18.7	6.72	38.5	176.3	284.2	0.590	0.136	3.39	3.12	3.56	14.07	2.60	2.56	77.22	G
4	10	89	100	21.7	7.30	20.1	253.7	191.1	0.796	0.502	4.57	5.12	2.70	6.84	5.63	63.33	21.49	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
4	11	89	101	0.7	7.55	23.6	344.5	182.6	0.789	0.435	4.88	5.12	3.60	6.42	4.59	68.53	16.85	G
4	11	89	101	3.7	7.15	24.6	51.1	266.6	0.678	0.516	4.61	4.74	2.78	9.00	3.30	63.09	21.83	S
4	11	89	101	6.7	6.86	16.4	106.7	213.9	0.603	0.418	4.45	4.41	2.75	24.67	5.65	44.85	22.08	G
4	11	89	101	9.7	7.12	8.0	275.5	206.6	0.582	0.362	4.57	4.13	4.24	10.77	7.80	51.23	25.96	G
4	11	89	101	12.7	7.40	24.0	342.6	262.8	0.599	0.304	4.57	5.57	2.71	8.02	16.85	46.34	26.08	G
4	11	89	101	15.7	7.03	19.2	49.9	241.0	0.552	0.263	4.74	6.74	3.81	9.59	30.80	31.98	23.82	G
4	11	89	101	18.7	6.74	27.4	130.4	289.0	0.706	0.182	5.95	6.74	4.05	23.18	43.15	15.42	14.20	G
4	11	89	101	21.7	7.02	9.7	226.2	288.5	0.851	0.265	6.56	8.53	1.79	44.26	19.09	27.70	7.15	G
4	12	89	102	0.7	7.43	25.0	323.4	276.2	0.769	0.265	6.32	9.85	4.25	32.24	17.01	37.73	8.76	G
4	12	89	102	3.7	7.22	20.0	38.7	278.0	0.780	0.232	7.11	9.85	2.01	61.78	11.92	17.91	6.39	G
4	12	89	102	6.7	6.84	17.3	111.0	286.1	0.797	0.203	8.26	9.85	1.57	71.74	15.80	7.72	3.17	G
4	12	89	102	9.7	6.97	26.1	169.5	291.0	0.709	0.213	7.64	9.85	2.03	57.62	20.05	14.55	5.75	G
4	12	89	102	12.7	7.35	11.7	277.5	290.8	0.755	0.282	6.10	9.85	2.04	39.89	18.58	29.14	10.35	G
4	12	89	102	15.7	7.18	11.9	30.1	283.7	0.778	0.273	6.83	9.85	2.90	49.19	18.21	17.56	12.12	G
4	12	89	102	18.7	6.81	15.1	99.2	286.0	0.818	0.236	5.89	6.10	2.19	27.72	27.02	23.12	19.95	G
4	12	89	102	21.7	6.88	11.2	150.3	282.4	0.859	0.290	4.97	6.74	1.69	17.65	24.40	30.67	25.59	G
4	13	89	103	0.7	7.34	25.2	304.7	280.0	0.862	0.374	5.75	8.53	1.86	32.92	23.13	28.31	13.78	G
4	13	89	103	3.7	7.32	30.5	3.5	266.1	0.693	0.378	6.02	8.53	1.89	26.05	26.35	34.21	11.50	G
4	13	89	103	6.7	6.96	15.1	83.6	279.3	0.833	0.305	6.17	6.74	1.59	28.40	34.87	27.12	8.03	G
4	13	89	103	9.7	6.85	14.7	133.9	277.6	0.798	0.308	6.65	7.53	1.72	29.70	39.80	25.32	3.46	G
4	13	89	103	12.7	7.21	6.9	299.1	287.9	0.869	0.482	6.92	8.53	2.01	40.02	23.38	21.85	12.73	G
4	13	89	103	15.7	7.27	13.3	343.5	278.0	0.807	0.408	6.17	8.53	5.74	29.84	26.46	22.13	15.83	G
4	13	89	103	18.7	6.97	12.1	61.2	289.7	0.843	0.338	7.42	11.64	2.61	66.53	10.26	9.46	11.14	G
4	13	89	103	21.7	6.86	21.1	150.6	292.7	0.798	0.251	7.31	8.53	2.97	60.63	17.22	14.30	4.88	G
4	14	89	104	0.7	7.26	14.2	237.7	289.3	0.800	0.291	7.11	8.53	2.05	47.39	26.47	17.69	6.40	G
4	14	89	104	3.7	7.45	11.3	0.7	302.2	0.704	0.318	7.21	9.85	6.38	39.42	24.57	25.12	4.51	G
4	14	89	104	6.7	7.14	18.5	76.5	284.2	0.625	0.260	6.02	9.85	5.05	54.39	9.06	13.41	18.08	G
4	14	89	104	9.7	6.91	16.0	135.4	298.4	0.682	0.297	5.22	11.64	4.89	26.47	12.18	24.09	32.38	G
4	14	89	104	12.7	7.12	14.2	194.3	294.8	0.708	0.280	6.24	11.64	2.58	33.79	24.44	19.80	19.38	G
4	14	89	104	15.7	7.36	14.1	323.0	279.0	0.776	0.311	6.65	5.57	5.11	26.30	24.44	31.00	13.16	G
4	14	89	104	18.7	7.14	23.2	26.4	273.9	0.788	0.267	5.82	9.85	3.89	46.32	13.90	13.51	22.39	G
4	14	89	104	21.7	6.80	15.0	104.4	287.5	0.768	0.205	6.02	9.85	6.84	39.81	19.15	17.64	16.57	G
4	15	89	105	0.7	7.03	5.6	304.8	285.2	0.829	0.194	6.92	9.85	2.99	51.08	13.79	16.58	15.56	G
4	15	89	105	3.7	7.34	13.2	318.6	268.6	0.639	0.205	6.92	9.85	6.87	45.75	23.99	13.19	10.21	G
4	15	89	105	6.7	7.22	15.1	41.3	279.2	0.787	0.235	8.13	11.64	2.42	71.71	11.32	9.08	5.47	G
4	15	89	105	9.7	6.86	15.9	99.9	285.6	0.727	0.157	7.21	9.85	5.40	50.65	21.18	14.29	8.48	G
4	15	89	105	12.7	6.99	8.5	149.7	300.2	0.722	0.221	5.82	8.53	4.60	39.31	13.69	15.62	26.78	G
4	15	89	105	15.7	7.31	5.9	30.9	278.7	0.748	0.392	5.69	7.53	3.28	14.80	45.06	21.56	15.30	G
4	15	89	105	18.7	7.30	19.0	11.9	276.4	0.729	0.646	7.11	8.53	2.99	42.25	32.88	14.99	6.89	G
4	15	89	105	21.7	6.93	21.6	111.1	298.2	0.738	0.436	7.31	9.85	3.08	71.31	8.47	4.95	12.19	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
4	16	89	106	0.7	6.99	26.1	171.0	291.9	0.617	0.453	7.53	11.64	5.15	60.60	3.16	14.40	16.69	G
4	16	89	106	3.7	7.39	11.0	288.0	305.1	0.728	0.531	8.13	11.64	13.46	62.89	9.45	8.46	5.74	G
4	16	89	106	6.7	7.43	18.0	15.5	292.9	0.729	0.532	8.98	11.64	7.52	70.40	5.58	8.50	8.00	G
4	16	89	106	9.7	7.02	19.3	53.4	303.7	0.746	0.366	8.13	11.64	3.49	76.92	3.90	5.79	9.90	G
4	16	89	106	12.7	6.96	16.0	85.4	298.2	0.748	0.314	8.98	11.64	10.60	69.56	5.36	3.67	10.81	G
4	16	89	106	15.7	7.41	13.1	304.6	269.2	0.662	0.305	8.26	9.85	5.88	69.01	14.27	6.86	3.98	G
4	16	89	106	18.7	7.52	25.3	355.6	294.1	0.569	0.240	8.00	9.85	7.63	63.66	15.70	9.20	3.81	G
4	16	89	106	21.7	7.11	17.6	63.5	294.2	0.766	0.210	9.31	9.85	3.31	84.55	5.97	3.17	2.99	G
4	17	89	107	0.7	6.96	17.3	137.6	284.6	0.747	0.190	8.98	9.85	17.94	57.15	17.25	3.34	4.34	G
4	17	89	107	3.7	7.35	6.5	274.3	290.3	0.798	0.255	8.98	9.85	2.91	70.38	19.55	5.38	1.78	G
4	17	89	107	6.7	7.50	7.3	319.0	282.3	0.798	0.259	8.53	7.53	7.49	54.07	29.84	6.08	2.52	G
4	17	89	107	9.7	7.08	14.2	78.7	305.0	0.769	0.182	9.85	9.85	24.39	60.71	8.18	4.26	2.45	G
4	17	89	107	12.7	6.83	30.8	153.5	295.2	0.762	0.139	8.53	9.85	9.06	67.01	13.59	3.31	7.03	G
4	17	89	107	15.7	7.17	20.6	183.5	285.5	0.745	0.285	6.40	9.85	4.38	43.38	20.62	12.05	19.58	G
4	17	89	107	18.7	7.41	2.2	217.6	283.1	0.823	0.340	7.01	11.64	8.40	44.57	18.98	16.57	11.49	G
4	17	89	107	21.7	6.98	15.0	123.1	275.4	0.612	0.195	7.31	11.64	7.69	50.70	17.51	8.70	15.39	G
4	18	89	108	0.7	6.64	27.2	155.3	299.1	0.728	0.150	6.92	9.85	7.87	52.54	15.11	8.46	16.01	G
4	18	89	108	3.7	6.97	17.3	221.1	293.5	0.662	0.177	7.01	9.85	6.10	43.89	15.99	18.05	15.96	G
4	18	89	108	6.7	7.31	13.2	340.9	278.5	0.729	0.190	6.74	9.85	5.06	49.00	17.47	12.91	15.55	G
4	18	89	108	9.7	7.07	6.8	165.2	289.9	0.754	0.160	8.26	11.64	9.59	57.98	13.19	14.68	4.55	G
4	18	89	108	12.7	6.69	18.0	128.1	278.3	0.666	0.146	8.83	9.85	18.84	51.35	7.39	15.78	6.64	G
4	18	89	108	15.7	7.03	9.0	187.7	291.4	0.773	0.163	6.40	9.85	4.10	44.67	25.53	11.67	14.02	G
4	18	89	108	18.7	7.44	18.4	343.9	281.1	0.860	0.224	5.22	9.85	4.48	34.29	16.36	10.62	34.25	G
4	18	89	108	21.7	7.21	21.0	32.1	263.7	0.712	0.168	8.39	11.64	8.78	62.26	13.85	8.00	7.10	G
4	19	89	109	0.7	6.70	19.4	121.7	279.8	0.652	0.137	9.31	11.64	7.63	73.13	6.43	7.09	5.73	G
4	19	89	109	3.7	6.91	18.8	188.1	308.9	0.583	0.195	6.17	9.85	5.38	40.33	13.46	26.14	14.69	G
4	19	89	109	6.7	7.38	4.3	263.5	280.7	0.775	0.224	6.24	11.64	9.40	26.43	17.47	31.87	14.82	G
4	19	89	109	9.7	7.31	10.6	87.7	172.0	0.665	0.326	4.34	3.88	3.71	15.77	12.45	20.73	47.33	G
4	19	89	109	12.7	6.94	37.7	148.9	199.3	0.751	0.457	4.34	4.13	3.71	7.51	3.80	57.98	27.00	G
4	19	89	109	15.7	7.14	16.0	214.2	192.2	0.758	0.420	4.34	4.13	2.35	7.56	8.08	61.30	20.70	G
4	19	89	109	18.7	7.61	25.8	310.4	272.3	0.743	0.307	5.39	5.12	5.90	17.93	16.14	44.63	15.41	G
4	19	89	109	21.7	7.46	35.4	3.5	294.7	0.717	0.265	6.32	14.22	17.46	21.12	17.97	24.81	18.65	G
4	20	89	110	0.7	6.87	28.4	90.3	271.9	0.662	0.183	7.76	9.85	17.75	40.54	9.93	19.51	12.27	G
4	20	89	110	3.7	6.92	14.3	135.9	284.1	0.813	0.159	8.68	9.85	12.03	60.18	9.21	12.69	5.88	G
4	20	89	110	6.7	7.40	16.6	262.8	292.5	0.632	0.187	7.11	11.64	16.24	31.65	11.84	29.40	10.87	G
4	20	89	110	9.7	7.37	11.6	50.0	323.8	0.582	0.243	6.74	11.64	16.14	47.68	4.91	7.46	23.81	G
4	20	89	110	13.4	6.33	24.8	128.7	207.0	0.804	0.151	6.40	11.64	22.32	41.22	6.87	4.83	24.77	G
4	20	89	110	16.4	6.60	20.4	213.5	281.8	0.606	0.183	7.31	11.64	11.40	53.20	14.54	7.86	13.00	G
4	20	89	110	19.4	7.08	26.2	312.6	296.3	0.714	0.204	7.53	8.53	11.64	52.19	11.03	15.06	10.08	G
4	20	89	110	22.4	6.86	31.4	25.7	288.5	0.681	0.237	7.42	14.22	36.90	29.81	14.76	12.55	5.99	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
4	21	89	111	1.4	6.30	23.1	97.2	288.6	0.768	0.156	8.13	11.64	18.76	31.23	32.71	12.15	5.16	G
4	21	89	111	4.4	6.38	13.4	140.9	285.9	0.781	0.190	8.13	9.85	16.24	37.04	20.91	20.67	5.14	G
4	21	89	111	7.4	6.87	16.2	300.8	298.1	0.721	0.237	6.32	11.64	8.76	24.65	18.99	39.47	8.14	G
4	21	89	111	10.4	6.75	14.7	21.5	281.7	0.773	0.242	6.92	11.64	17.68	27.12	20.23	25.41	9.56	G
4	21	89	111	13.4	6.25	19.1	113.2	28.2	0.566	0.208	7.31	14.22	16.60	21.39	20.74	33.70	7.57	G
4	21	89	111	16.4	6.39	11.5	180.1	291.4	0.825	0.220	7.01	5.57	11.81	27.13	18.64	37.18	5.24	G
4	21	89	111	19.4	6.93	25.6	297.6	265.2	0.533	0.294	6.65	11.64	12.58	26.35	12.35	36.23	12.50	G
4	21	89	111	22.4	6.90	33.9	10.2	292.0	0.740	0.282	6.83	14.22	25.16	18.47	21.76	26.87	7.74	G
4	22	89	112	1.4	6.34	25.1	79.8	283.0	0.791	0.191	8.53	14.22	27.87	23.00	31.06	15.05	3.02	G
4	22	89	112	4.4	6.29	19.7	155.1	283.3	0.702	0.164	7.01	11.64	10.83	36.44	32.45	10.04	10.24	G
4	22	89	112	7.4	6.79	21.9	250.4	335.8	0.587	0.241	5.69	14.22	23.84	20.68	14.24	22.22	19.03	G
4	22	89	112	10.4	6.84	5.9	312.3	208.4	0.714	0.327	5.82	14.22	21.17	15.10	20.34	24.19	19.20	G
4	22	89	112	13.4	6.35	17.7	108.0	218.0	0.574	0.165	5.82	6.74	7.20	20.52	36.32	17.66	18.30	G
4	22	89	112	16.4	6.34	16.3	170.1	23.3	0.868	0.181	5.17	11.64	3.15	27.61	23.89	16.01	29.34	S
4	22	89	112	19.4	6.87	24.5	294.8	17.3	0.643	0.221	6.48	11.64	5.98	45.00	11.41	24.02	13.58	G
4	22	89	112	22.4	6.98	34.8	3.8	17.7	0.903	0.176	7.42	11.64	9.80	35.14	26.66	16.63	11.78	S
4	23	89	113	1.4	6.50	20.8	55.2	25.1	0.926	0.180	9.14	11.64	10.68	44.84	32.23	6.89	5.36	S
4	23	89	113	4.4	6.38	33.4	163.1	21.5	0.916	0.182	5.02	11.64	8.04	45.47	14.39	7.26	24.84	S
4	23	89	113	7.4	6.78	16.0	245.7	199.7	0.832	0.339	4.61	4.13	2.19	16.98	13.64	35.72	31.47	S
4	23	89	113	10.4	6.97	17.3	346.6	201.7	0.852	0.316	5.45	4.74	6.76	19.85	22.87	29.12	21.40	S
4	23	89	113	13.4	6.51	19.2	72.0	204.7	0.906	0.281	5.51	3.88	4.51	32.67	14.10	17.99	30.74	S
4	23	89	113	16.4	6.34	14.3	130.8	209.4	0.704	0.180	6.24	8.53	5.83	43.14	15.72	17.39	17.93	G
4	23	89	113	19.4	6.77	13.6	252.2	14.0	0.824	0.209	6.02	8.53	9.38	32.02	22.45	16.59	19.56	S
4	23	89	113	22.4	6.97	26.6	337.9	271.0	0.658	0.181	6.48	8.53	6.52	35.25	22.03	22.97	13.24	G
4	24	89	114	1.4	6.51	21.8	50.2	22.0	0.957	0.138	7.42	11.64	10.19	52.05	12.88	12.55	12.32	S
4	24	89	114	4.4	6.18	28.6	139.4	308.0	0.693	0.113	7.01	5.12	4.60	37.71	18.45	32.71	6.53	G
4	24	89	114	7.4	6.51	22.8	196.5	178.4	0.637	0.192	6.24	4.74	3.04	20.89	16.68	52.31	7.08	G
4	24	89	114	10.4	6.88	6.5	239.9	295.9	0.708	0.148	6.83	9.85	5.44	47.59	25.13	10.57	11.27	G
4	24	89	114	13.4	6.54	20.4	106.3	205.1	0.669	0.165	4.38	3.12	10.41	31.27	9.74	6.66	41.93	G
4	24	89	114	16.4	6.25	26.1	145.7	198.0	0.644	0.109	4.61	14.22	21.22	17.51	14.22	12.07	34.97	G
4	24	89	114	19.4	6.60	17.0	253.9	297.7	0.703	0.142	7.11	8.53	7.15	36.32	21.76	22.89	11.88	G
4	24	89	114	22.4	6.94	30.2	330.2	313.6	0.562	0.116	6.56	11.64	9.39	25.08	23.48	28.08	13.97	G
4	25	89	115	1.4	6.63	31.3	26.4	280.4	0.608	0.143	6.56	4.74	6.43	37.93	8.59	39.92	7.14	G
4	25	89	115	4.4	6.17	17.2	117.5	275.3	0.635	0.121	8.26	11.64	5.44	63.60	15.79	9.94	5.22	G
4	25	89	115	7.4	6.33	19.9	177.9	290.2	0.659	0.133	6.48	8.53	4.88	40.80	17.35	14.92	22.04	G
4	25	89	115	10.4	6.73	20.0	277.2	30.2	0.808	0.144	6.10	9.85	8.64	26.72	25.04	26.46	13.15	S
4	25	89	115	13.4	6.55	12.1	51.4	278.4	0.794	0.176	7.64	9.85	9.52	45.67	11.74	24.62	8.45	G
4	25	89	115	16.4	6.20	16.1	116.3	268.7	0.567	0.130	7.31	8.53	10.22	39.19	19.39	21.33	9.88	G
4	25	89	115	19.4	6.45	11.3	222.9	285.7	0.713	0.136	5.89	11.64	9.12	22.62	25.59	26.48	16.19	G
4	25	89	115	22.4	6.86	23.2	319.7	211.4	0.793	0.160	5.95	7.53	7.32	21.04	27.44	24.53	19.67	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
4	26	89	116	1.4	6.73	32.1	16.9	10.0	0.594	0.109	7.53	9.85	14.26	31.27	30.14	18.33	6.00	G
4	26	89	116	4.4	6.28	22.4	72.5	232.2	0.586	0.102	8.26	11.64	15.31	39.59	27.79	11.72	5.60	G
4	26	89	116	7.4	6.28	24.7	145.1	273.0	0.564	0.126	7.31	11.64	13.16	43.27	20.48	10.87	12.22	G
4	26	89	116	10.4	6.69	16.4	269.0	285.7	0.732	0.164	6.65	8.53	6.74	33.72	20.41	33.36	5.76	G
4	26	89	116	13.4	6.69	8.9	34.9	286.1	0.749	0.160	6.92	11.64	8.53	38.03	18.83	26.65	7.96	G
4	26	89	116	16.4	6.31	16.3	113.0	281.3	0.665	0.129	7.01	7.53	8.84	21.61	30.12	24.94	14.50	G
4	26	89	116	19.4	6.37	13.9	179.6	298.9	0.726	0.116	6.74	11.64	18.71	38.57	10.38	17.16	15.19	G
4	26	89	116	22.4	6.84	14.4	292.3	293.0	0.687	0.195	5.33	5.12	4.50	15.19	17.11	46.95	16.24	G
4	27	89	117	1.4	6.89	20.3	352.0	274.8	0.822	0.162	6.02	11.64	6.36	26.39	21.55	36.94	8.76	G
4	27	89	117	4.4	6.45	21.0	52.6	273.0	0.633	0.149	6.65	6.10	4.53	26.82	31.59	31.08	6.00	G
4	27	89	117	7.4	6.30	18.8	136.9	290.4	0.730	0.128	6.92	11.64	6.08	32.57	31.83	19.23	10.28	G
4	27	89	117	10.4	6.63	16.1	212.6	292.8	0.693	0.143	6.48	6.10	6.00	29.03	32.25	22.13	10.59	G
4	27	89	117	13.4	6.74	3.5	92.8	277.5	0.805	0.167	6.48	5.57	8.34	17.94	26.08	39.53	8.10	G
4	27	89	117	16.4	6.39	14.9	102.8	18.9	0.931	0.179	5.45	5.12	7.48	27.71	15.93	26.55	22.33	S
4	27	89	117	19.4	6.27	16.8	149.0	21.1	0.857	0.161	5.12	6.10	6.88	18.35	27.72	17.81	29.25	S
4	27	89	117	22.4	6.68	12.5	256.4	292.7	0.837	0.173	5.95	6.10	11.42	15.70	18.85	28.61	25.42	G
4	28	89	118	1.4	6.92	20.8	325.3	267.7	0.716	0.153	6.17	6.10	5.36	16.92	32.58	32.21	12.93	G
4	28	89	118	4.4	6.59	18.8	27.4	22.2	0.899	0.144	6.92	9.85	11.44	41.42	17.68	19.26	10.21	S
4	28	89	118	7.4	6.49	22.3	111.3	212.9	0.764	0.642	4.41	4.74	2.63	1.61	2.90	73.15	19.72	G
4	28	89	118	10.4	6.73	23.2	201.0	243.4	0.829	0.445	4.61	5.12	3.24	2.25	18.99	54.78	20.74	S
4	28	89	118	13.4	6.97	17.0	355.9	240.2	0.779	0.298	4.70	5.57	4.01	9.61	25.29	33.64	27.44	S
4	28	89	118	16.4	6.72	25.4	16.7	244.0	0.885	0.261	5.69	7.53	2.13	8.31	42.02	35.37	12.18	G
4	28	89	118	19.4	6.35	16.4	113.0	238.7	0.751	0.176	5.28	7.53	3.69	11.27	33.97	24.66	26.41	S
4	28	89	118	22.4	6.49	10.5	194.5	258.2	0.722	0.204	4.70	6.10	6.34	10.11	30.70	23.45	29.40	S
4	29	89	119	1.4	6.92	22.0	314.1	239.2	0.850	0.225	4.79	6.74	2.41	9.86	37.16	31.05	19.51	S
4	29	89	119	4.4	6.77	26.7	26.4	273.0	0.740	0.187	5.51	6.74	4.23	6.67	44.26	29.02	15.83	G
4	29	89	119	7.4	6.33	19.4	108.2	45.9	0.880	0.146	6.56	6.74	6.40	18.48	40.46	20.14	14.53	S
4	29	89	119	10.4	6.43	44.3	190.1	62.3	0.922	0.144	4.92	3.88	9.41	12.93	17.47	25.23	34.96	S
4	29	89	119	13.4	6.85	12.9	190.8	242.4	0.839	0.222	4.34	3.88	8.50	7.77	4.86	32.31	46.56	S
4	29	89	119	16.4	6.79	12.1	140.4	245.4	0.715	0.254	5.33	6.74	30.14	3.85	16.91	23.92	25.18	S
4	29	89	119	19.4	6.39	23.7	122.2	276.1	0.784	0.242	4.88	4.74	3.45	5.08	10.12	68.82	12.53	G
4	29	89	119	22.4	6.33	30.9	170.2	291.3	0.675	0.161	5.28	5.12	3.63	9.57	15.64	58.84	12.33	G
4	30	89	120	1.4	6.85	16.1	243.5	287.3	0.781	0.218	5.17	5.12	6.88	7.54	21.56	52.21	11.82	G
4	30	89	120	4.4	6.90	8.5	21.5	264.1	0.799	0.332	5.45	6.10	1.47	1.57	51.47	38.42	7.07	G
4	30	89	120	7.4	6.38	22.3	114.0	276.4	0.786	0.189	5.95	7.53	2.74	12.82	50.04	24.07	10.34	G
4	30	89	120	10.4	6.28	31.4	144.5	239.1	0.657	0.149	6.02	6.74	5.53	4.84	47.99	34.47	7.17	G
4	30	89	120	13.4	6.69	22.3	198.1	273.8	0.694	0.245	5.51	5.57	2.02	4.23	26.36	57.24	10.15	G
4	30	89	120	16.4	6.88	12.3	337.4	266.0	0.825	0.298	5.51	5.57	2.56	3.18	21.77	64.28	8.21	G
4	30	89	120	19.4	6.50	22.7	58.5	275.4	0.820	0.235	6.02	5.57	2.02	7.29	35.03	49.19	6.48	G
4	30	89	120	22.4	6.24	21.7	138.5	280.2	0.687	0.126	6.10	6.74	4.99	9.96	55.54	21.49	8.03	G

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5	1	89	121	1.4	6.62	14.5	217.3	283.5	0.793	0.210	5.28	5.57	3.25	11.57	16.65	51.07	17.46	G
5	1	89	121	4.4	6.91	26.2	335.8	273.2	0.786	0.196	5.22	4.74	6.02	15.13	19.37	44.42	15.06	G
5	1	89	121	7.4	6.56	19.5	26.6	268.6	0.720	0.155	6.17	4.74	4.24	30.81	24.08	30.57	10.29	G
5	1	89	121	10.4	6.15	24.3	128.6	229.1	0.607	0.101	6.65	11.64	17.05	36.50	17.66	14.67	14.12	G
5	1	89	121	13.4	6.49	17.5	216.2	267.4	0.673	0.165	5.02	5.57	9.06	13.99	20.99	33.77	22.19	G
5	1	89	121	16.4	6.94	27.6	321.5	248.8	0.739	0.187	5.28	5.57	6.54	18.11	20.87	30.83	23.65	G
5	1	89	121	19.4	6.69	35.9	7.0	60.7	0.899	0.137	5.82	6.74	14.39	17.86	22.35	27.43	17.97	S
5	1	89	121	22.4	6.14	22.8	114.2	275.6	0.743	0.117	7.11	7.53	13.31	21.01	43.83	14.87	6.99	G
5	2	89	122	1.4	6.38	27.8	197.5	314.7	0.600	0.210	5.22	6.10	4.99	14.30	22.83	25.97	31.91	G
5	2	89	122	4.4	6.83	19.9	279.1	275.3	0.726	0.303	4.41	5.12	4.31	7.93	7.03	53.39	27.34	G
5	2	89	122	7.4	6.69	19.7	354.2	270.9	0.802	0.228	5.75	5.57	4.80	10.03	34.18	38.55	12.44	G
5	2	89	122	10.4	6.20	49.0	143.1	55.0	0.844	0.172	5.63	6.74	5.27	18.48	29.29	16.07	30.89	S
5	2	89	122	13.4	6.32	41.0	190.9	48.2	0.787	0.259	5.63	4.41	17.13	12.63	13.85	29.31	27.07	S
5	2	89	122	16.4	7.00	11.7	319.8	281.9	0.771	0.333	5.89	8.53	3.00	25.21	20.08	38.74	12.98	G
5	2	89	122	19.4	6.96	20.2	19.7	276.7	0.802	0.287	5.69	5.57	3.89	16.17	30.20	40.25	9.49	G
5	2	89	122	22.4	6.39	26.4	110.9	283.9	0.734	0.175	6.65	9.85	5.53	38.53	28.91	18.98	8.05	G
5	3	89	123	1.4	6.20	41.0	170.4	53.2	0.897	0.171	4.06	3.46	5.23	10.18	17.37	18.48	48.73	S
5	3	89	123	4.4	6.86	22.2	260.5	269.5	0.651	0.263	5.75	6.10	6.36	8.46	44.73	26.93	13.52	G
5	3	89	123	7.4	6.86	18.1	4.3	285.5	0.675	0.198	6.02	5.57	7.13	23.62	22.93	32.18	14.13	G
5	3	89	123	10.4	6.26	30.7	105.4	324.5	0.715	0.322	5.57	6.10	3.62	14.41	63.97	4.14	13.86	W
5	3	89	123	13.4	6.15	38.9	171.7	227.8	0.646	0.082	4.16	14.22	16.84	17.22	13.74	6.04	46.16	G
5	3	89	123	16.4	6.85	25.5	265.3	276.3	0.694	0.151	6.48	7.53	14.12	11.52	53.65	12.20	8.52	G
5	3	89	123	19.4	7.08	38.8	355.4	276.1	0.624	0.166	6.24	6.10	15.31	5.37	37.89	34.04	7.40	G
5	3	89	123	22.4	6.45	32.1	64.3	306.8	0.572	0.116	7.64	14.22	40.21	27.21	16.51	8.60	7.48	G
5	4	89	124	1.4	6.08	39.5	147.7	46.5	0.786	0.068	5.12	14.22	20.75	22.42	10.12	10.85	35.85	S
5	4	89	124	4.4	6.57	30.0	218.4	57.9	0.916	0.180	5.33	6.74	14.87	6.35	52.55	5.49	20.74	S
5	4	89	124	7.4	6.93	20.8	317.9	289.6	0.763	0.183	6.56	14.22	25.44	16.04	31.65	14.87	11.99	G
5	4	89	124	10.4	6.41	26.4	85.5	281.2	0.638	0.135	7.21	7.53	22.40	30.76	33.48	5.02	8.35	G
5	4	89	124	13.4	6.03	38.7	149.3	339.4	0.587	0.057	4.97	4.41	16.94	16.93	11.50	30.02	24.61	G
5	4	89	124	16.4	6.64	27.4	253.1	295.3	0.737	0.192	4.57	11.64	8.83	20.25	24.15	16.68	30.09	G
5	4	89	124	19.4	7.11	39.9	341.5	306.5	0.722	0.200	4.49	8.53	10.84	19.88	17.48	15.44	36.35	G
5	4	89	124	22.4	6.64	34.9	24.9	278.5	0.713	0.200	4.70	4.13	19.00	10.96	7.31	29.74	32.99	G
5	5	89	125	1.4	5.96	28.0	124.2	268.2	0.614	0.139	4.57	4.74	11.49	12.63	8.08	45.17	22.63	G
5	5	89	125	4.4	6.23	19.4	206.1	290.1	0.718	0.175	4.92	11.64	7.56	28.53	12.62	24.19	27.09	G
5	5	89	125	7.4	6.86	30.0	311.6	261.0	0.720	0.216	4.65	3.46	13.63	15.58	18.49	15.42	36.88	G
5	5	89	125	10.4	6.57	32.7	22.4	300.3	0.665	0.234	4.23	14.22	14.49	20.20	11.33	11.21	42.77	G
5	5	89	125	13.4	5.92	21.5	119.9	303.7	0.646	0.295	3.94	3.66	7.49	6.22	4.53	30.86	50.90	G
5	5	89	125	16.4	6.31	20.0	219.4	280.9	0.803	0.301	4.65	5.12	1.42	11.80	12.58	57.37	16.83	G
5	5	89	125	19.4	7.02	35.7	323.8	275.9	0.766	0.373	4.74	5.12	5.44	10.31	13.18	55.93	15.14	G
5	5	89	125	22.4	6.77	50.1	6.2	245.5	0.553	0.410	4.03	3.28	5.04	4.36	15.73	26.00	48.87	G

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5	6	89	126	1.4	5.90	35.5	53.0	340.0	0.601	0.606	4.13	3.88	1.61	4.68	16.53	30.72	46.46	G
5	6	89	126	4.4	6.04	38.2	176.1	329.7	0.833	0.210	5.82	6.74	3.32	20.86	39.99	20.78	15.05	S
5	6	89	126	7.4	6.70	26.1	233.9	325.0	0.773	0.371	6.32	8.53	1.85	23.53	37.19	27.45	9.98	S
5	6	89	126	10.4	6.77	3.1	21.2	297.5	0.746	0.307	6.10	7.53	6.50	28.77	27.01	29.65	8.07	G
5	6	89	126	13.4	6.15	31.8	142.7	292.1	0.664	0.170	6.65	8.53	4.37	35.83	27.96	15.46	16.38	G
5	6	89	126	16.4	6.14	35.1	183.1	342.5	0.651	0.307	4.61	6.10	2.66	10.12	27.83	29.37	30.02	S
5	6	89	126	19.4	6.89	24.3	292.8	312.6	0.627	0.265	6.10	6.74	2.21	17.17	53.56	18.82	8.25	S
5	6	89	126	22.4	7.07	25.8	344.3	275.6	0.684	0.276	6.32	6.10	1.89	21.95	53.17	17.94	5.06	G
5	7	89	127	1.4	6.39	25.2	80.0	249.2	0.792	0.182	8.00	9.85	17.12	51.50	10.73	8.58	12.07	S
5	7	89	127	4.4	6.07	44.2	159.5	38.5	0.921	0.068	4.34	7.53	11.18	24.76	21.63	5.97	36.46	G
5	7	89	127	7.4	6.61	29.1	228.0	10.5	0.529	0.173	5.45	7.53	3.52	21.39	43.69	12.79	18.62	S
5	7	89	127	10.4	6.83	11.8	317.2	289.2	0.533	0.216	6.40	8.53	3.46	32.59	34.03	7.39	22.53	S
5	7	89	127	13.4	6.29	17.5	112.6	294.1	0.573	0.171	8.26	11.64	11.35	56.76	13.45	4.02	14.41	S
5	7	89	127	16.4	6.05	40.5	160.4	36.5	0.868	0.079	3.74	2.72	24.96	10.95	10.24	2.64	51.21	S
5	7	89	127	19.4	6.69	27.2	251.4	33.6	0.863	0.167	5.33	7.53	8.12	20.09	38.89	9.77	23.13	S
5	7	89	127	22.4	7.08	32.3	334.7	40.0	0.892	0.147	7.21	6.74	6.64	29.34	45.31	9.33	9.39	S
5	8	89	128	1.4	6.56	17.3	36.7	313.9	0.778	0.154	8.13	9.85	6.66	63.66	8.52	5.48	15.68	S
5	8	89	128	4.4	6.03	29.5	134.6	244.8	0.541	0.139	5.89	6.10	4.06	26.54	20.75	32.16	16.49	G
5	8	89	128	7.4	6.35	17.8	212.2	279.6	0.571	0.162	5.12	7.53	4.11	24.55	42.68	6.53	22.12	G
5	8	89	128	10.4	6.76	19.5	307.8	311.1	0.703	0.134	7.11	7.53	5.57	45.93	26.43	6.93	15.14	G
5	8	89	128	13.4	6.43	2.6	93.1	47.7	0.887	0.122	8.26	8.53	10.50	58.47	13.62	7.23	10.18	S
5	8	89	128	16.4	6.03	31.3	166.2	315.0	0.628	0.073	7.88	9.85	8.56	69.82	8.69	4.40	8.53	G
5	8	89	128	19.4	6.49	19.9	221.8	264.0	0.634	0.158	6.32	7.53	3.57	23.49	49.04	9.11	14.78	G
5	8	89	128	22.4	6.99	31.1	297.6	41.0	0.896	0.142	7.11	9.85	3.63	55.22	16.97	5.09	19.09	S
5	9	89	129	1.4	6.74	21.7	23.1	316.9	0.846	0.131	8.53	8.53	7.83	69.54	15.72	1.60	5.31	S
5	9	89	129	4.4	6.17	20.7	140.2	231.2	0.780	0.131	8.26	9.85	17.65	56.81	8.12	7.99	9.43	S
5	9	89	129	7.4	6.30	21.1	189.6	319.1	0.779	0.123	6.83	8.53	4.23	45.07	29.03	6.21	15.45	G
5	9	89	129	10.4	6.82	19.1	275.7	299.3	0.737	0.190	6.74	8.53	2.97	36.73	37.54	12.78	9.99	G
5	9	89	129	13.4	6.68	12.3	25.1	236.8	0.709	0.196	5.75	8.53	10.35	37.55	17.39	5.64	29.08	S
5	9	89	129	16.4	6.19	17.6	138.4	44.4	0.581	0.202	5.28	9.85	5.68	30.32	11.58	13.49	38.93	S
5	9	89	129	19.4	6.32	10.9	193.4	319.6	0.863	0.237	4.38	3.66	4.03	10.46	17.82	24.34	43.36	S
5	9	89	129	22.4	6.91	21.1	290.1	290.8	0.693	0.219	5.82	6.74	3.47	23.84	45.56	12.93	14.20	G
5	10	89	130	1.4	6.85	20.6	23.7	321.6	0.576	0.199	6.24	7.53	5.01	21.54	38.71	9.91	24.83	S
5	10	89	130	4.4	6.38	24.0	26.1	274.2	0.665	0.214	5.17	4.41	7.49	24.51	12.70	25.53	29.77	G
5	10	89	130	7.4	6.25	18.8	165.2	280.2	0.695	0.167	6.32	7.53	3.61	28.05	33.60	21.57	13.17	G
5	10	89	130	10.4	6.73	13.6	285.4	284.4	0.733	0.218	5.82	7.53	3.87	14.95	31.92	37.50	11.75	G
5	10	89	130	13.4	6.80	11.5	0.7	241.3	0.736	0.301	7.11	7.53	5.51	26.12	44.62	15.23	8.52	G
5	10	89	130	16.4	6.41	9.0	133.8	239.3	0.764	0.199	7.76	8.53	4.42	49.09	16.58	22.87	7.05	G
5	10	89	130	19.4	6.40	25.2	187.1	330.6	0.600	0.206	8.00	9.85	1.96	62.72	21.59	10.10	3.63	G
5	10	89	130	22.4	6.88	18.0	251.9	243.0	0.837	0.268	5.39	7.53	2.97	17.22	40.88	22.84	16.09	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
5	11	89	131	1.4	7.03	20.0	330.3	227.8	0.580	0.340	5.45	3.66	1.69	28.17	27.12	17.72	25.30	G
5	11	89	131	4.4	6.65	15.7	42.0	269.4	0.559	0.244	6.40	8.53	4.56	36.81	20.36	19.37	18.90	G
5	11	89	131	7.4	6.38	12.2	131.6	335.0	0.579	0.190	6.10	8.53	4.88	53.67	12.02	7.50	21.93	G
5	11	89	131	10.4	6.71	12.9	320.9	310.4	0.598	0.246	6.48	8.53	1.40	58.65	18.61	5.05	16.28	G
5	11	89	131	13.4	6.95	14.5	317.2	297.4	0.737	0.251	7.01	9.85	3.58	57.76	20.15	10.81	7.70	G
5	11	89	131	16.4	6.69	18.5	10.8	299.1	0.754	0.220	7.64	8.53	2.53	52.09	35.33	4.57	5.48	G
5	11	89	131	19.4	6.42	17.7	154.2	322.4	0.569	0.196	7.31	9.85	2.23	68.11	14.21	5.05	10.40	G
5	11	89	131	22.4	6.70	13.0	218.7	304.4	0.757	0.190	7.53	11.64	3.92	36.85	28.98	17.77	12.49	G
5	12	89	132	1.4	7.02	15.8	290.3	281.3	0.693	0.211	6.92	9.85	3.64	43.16	25.37	21.36	6.47	G
5	12	89	132	4.4	6.78	11.3	38.0	293.6	0.702	0.164	7.31	8.53	5.11	44.78	24.41	10.93	14.77	G
5	12	89	132	7.4	6.41	20.5	141.6	325.9	0.830	0.171	6.83	8.53	7.24	48.39	22.14	7.85	14.37	S
5	12	89	132	10.4	6.55	25.8	198.2	331.0	0.659	0.154	5.63	6.74	5.46	31.23	34.42	3.33	25.56	G
5	12	89	132	13.4	6.91	14.8	307.1	285.3	0.661	0.174	7.42	6.10	5.05	26.51	47.47	10.76	10.20	G
5	12	89	132	16.4	6.80	12.7	6.1	301.3	0.733	0.214	7.01	9.85	3.18	32.27	34.73	25.09	4.74	S
5	12	89	132	19.4	6.43	10.5	133.3	317.2	0.700	0.166	5.89	11.64	3.40	28.76	33.05	16.92	17.86	S
5	12	89	132	22.4	6.53	14.6	222.8	276.2	0.708	0.173	6.10	8.53	10.81	27.93	20.05	15.30	25.91	G
5	13	89	133	1.4	6.89	16.1	281.3	279.9	0.793	0.206	6.24	9.85	8.64	32.50	24.43	17.73	16.70	G
5	13	89	133	4.4	6.84	9.9	16.9	281.1	0.769	0.177	7.21	9.85	6.17	54.14	12.67	16.92	10.10	G
5	13	89	133	7.4	6.48	14.5	106.5	250.9	0.718	0.148	8.39	11.64	7.47	53.27	19.08	12.80	7.38	S
5	13	89	133	10.4	6.46	20.7	187.2	295.4	0.641	0.148	8.68	9.85	6.55	77.31	7.53	1.87	6.75	G
5	13	89	133	13.4	6.83	9.8	229.3	228.5	0.788	0.173	6.92	9.85	3.92	44.09	30.68	11.20	10.11	S
5	13	89	133	16.4	6.90	5.5	352.8	305.0	0.800	0.236	6.24	9.85	5.42	48.07	10.84	10.79	24.88	S
5	13	89	133	19.4	6.54	10.5	133.5	265.2	0.596	0.286	4.27	11.64	5.04	37.74	3.93	15.78	37.51	S
5	13	89	133	22.4	6.41	19.5	174.3	302.7	0.596	0.244	4.88	11.64	1.97	30.22	6.51	41.66	19.64	S
5	14	89	134	1.4	6.77	14.2	230.3	274.1	0.701	0.213	5.22	9.85	3.38	25.53	19.45	22.82	28.82	G
5	14	89	134	4.4	6.86	4.6	309.7	284.6	0.733	0.194	6.56	11.64	4.21	61.29	11.02	7.44	16.03	G
5	14	89	134	7.4	6.52	7.1	107.5	312.0	0.636	0.170	7.21	8.53	2.88	53.35	12.42	14.48	16.87	S
5	14	89	134	10.4	6.37	19.9	182.1	320.3	0.715	0.128	7.88	8.53	4.24	54.16	15.17	14.37	12.07	G
5	14	89	134	13.4	6.72	17.1	218.8	278.1	0.691	0.175	7.21	6.74	2.55	32.99	47.92	10.27	6.28	G
5	14	89	134	16.4	6.94	10.7	310.9	285.8	0.804	0.208	5.69	11.64	1.89	36.41	7.44	36.05	18.22	G
5	14	89	134	19.4	6.65	11.2	86.6	278.9	0.834	0.186	6.40	9.85	2.26	48.44	15.53	19.41	14.36	G
5	14	89	134	22.4	6.35	15.8	176.0	303.9	0.643	0.120	7.01	9.85	18.76	35.63	20.09	15.91	9.61	G
5	15	89	135	1.4	6.60	12.1	233.4	284.3	0.691	0.157	6.92	8.53	7.01	31.97	22.09	26.09	12.84	G
5	15	89	135	4.4	6.88	16.7	313.5	289.6	0.758	0.184	6.74	9.85	2.88	39.37	25.31	22.09	10.36	G
5	15	89	135	7.4	6.67	15.1	45.3	267.1	0.677	0.141	6.65	5.57	4.10	37.15	25.11	24.51	9.13	G
5	15	89	135	10.4	6.33	11.5	113.3	267.7	0.651	0.133	7.11	6.74	5.13	23.15	44.23	19.25	8.25	G
5	15	89	135	13.4	6.59	9.6	195.0	287.3	0.651	0.166	6.17	8.53	5.93	27.09	22.59	34.85	9.53	G
5	15	89	135	16.4	6.97	13.8	349.5	268.8	0.741	0.226	5.57	4.74	4.32	18.88	15.25	41.34	20.22	G
5	15	89	135	19.4	6.79	15.3	32.6	301.1	0.741	0.190	7.01	9.85	2.91	54.47	15.22	19.34	8.07	S
5	15	89	135	22.4	6.36	14.6	146.7	254.6	0.625	0.132	7.11	9.85	7.56	39.14	30.74	15.06	7.51	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
5	16	89	136	1.4	6.47	15.1	198.7	315.5	0.750	0.136	6.92	7.53	8.47	26.12	40.63	19.37	5.40	G
5	16	89	136	4.4	6.82	13.4	264.6	314.0	0.821	0.208	5.51	4.41	6.27	17.29	15.17	45.53	15.74	S
5	16	89	136	7.4	6.71	7.9	18.4	274.3	0.730	0.211	5.57	6.10	5.66	12.47	39.24	36.39	6.23	G
5	16	89	136	10.4	6.33	10.2	124.6	299.2	0.706	0.115	6.48	6.74	16.31	20.41	29.03	25.79	8.46	G
5	16	89	136	13.4	6.48	26.2	195.4	354.8	0.644	0.164	5.28	5.12	10.57	12.99	19.02	42.50	14.91	G
5	16	89	136	16.4	6.91	16.9	300.4	234.8	0.650	0.205	4.34	3.66	12.74	5.13	10.42	39.30	32.41	G
5	16	89	136	19.4	6.80	18.3	11.9	171.5	0.694	0.237	5.57	8.53	10.06	29.69	17.92	17.30	25.03	G
5	16	89	136	22.4	6.36	23.2	99.4	288.3	0.621	0.106	4.38	6.74	14.87	13.35	22.55	12.62	36.61	G
5	17	89	137	1.4	6.35	22.6	183.7	38.7	0.707	0.113	3.56	3.28	12.34	9.07	6.54	3.59	68.47	S
5	17	89	137	4.4	6.83	17.9	264.2	160.6	0.636	0.181	3.91	3.66	12.39	8.27	9.92	11.89	57.52	S
5	17	89	137	7.4	6.91	10.0	347.2	189.0	0.710	0.263	4.16	3.88	7.75	5.07	4.94	43.19	39.05	G
5	17	89	137	10.4	6.54	23.4	105.5	233.2	0.785	0.505	4.27	4.74	6.16	1.97	2.89	65.49	23.49	S
5	17	89	137	13.4	6.55	21.6	192.9	206.6	0.755	0.639	4.49	4.74	4.40	2.07	1.77	72.82	18.94	S
5	17	89	137	16.4	7.07	19.6	286.0	51.9	0.880	0.271	4.34	4.13	17.14	7.58	4.46	46.78	24.04	S
5	17	89	137	19.4	7.23	25.6	360.0	193.3	0.791	0.510	4.79	4.74	2.97	1.90	3.26	82.15	9.72	G
5	17	89	137	22.4	6.72	25.7	28.3	229.2	0.748	0.239	5.07	4.13	5.85	7.54	23.01	50.69	12.91	S
5	18	89	138	1.4	6.47	12.5	130.0	254.6	0.641	0.153	6.32	11.64	8.00	29.30	25.83	10.53	26.33	G
5	18	89	138	4.4	6.81	8.4	241.1	57.9	0.781	0.152	6.48	9.85	18.91	36.03	15.86	10.69	18.52	S
5	18	89	138	7.4	7.00	8.4	332.7	239.3	0.617	0.213	5.82	7.53	15.98	26.80	24.11	12.44	20.67	S
5	18	89	138	11.9	6.44	31.6	148.5	169.7	0.811	0.229	4.45	3.46	6.88	20.65	13.25	10.59	48.63	S
5	18	89	138	14.9	6.66	18.8	202.7	337.9	0.746	0.201	5.51	8.53	7.94	36.23	29.17	6.57	20.10	G
5	18	89	138	17.9	7.17	30.3	302.2	273.6	0.814	0.375	6.83	8.53	4.16	45.78	35.11	8.46	6.49	G
5	18	89	138	20.9	7.06	28.9	3.1	346.2	0.541	0.334	7.42	8.53	4.06	51.71	29.13	9.50	5.59	S
5	18	89	138	23.9	6.51	12.8	95.5	271.6	0.942	0.286	7.88	8.53	7.32	58.59	18.79	12.21	3.08	S
5	19	89	139	2.9	6.47	23.4	164.0	283.3	0.712	0.261	8.53	9.85	7.21	61.22	20.15	8.79	2.63	G
5	19	89	139	5.9	6.95	18.2	254.6	266.3	0.876	0.304	7.21	11.64	10.51	47.33	13.56	20.75	7.86	S
5	19	89	139	8.9	6.93	6.8	345.3	306.8	0.708	0.447	7.31	9.85	3.60	51.57	11.85	28.39	4.60	G
5	19	89	139	11.9	6.48	20.9	124.3	1.2	0.673	0.289	8.68	11.64	7.80	53.72	21.48	7.60	9.41	S
5	19	89	139	14.9	6.49	21.9	171.7	324.1	0.718	0.253	7.42	9.85	4.15	47.10	35.31	6.98	6.46	G
5	19	89	139	17.9	7.03	23.6	275.3	270.6	0.815	0.289	6.74	9.85	4.42	27.71	33.25	26.41	8.21	G
5	19	89	139	20.9	7.08	27.6	359.5	268.9	0.839	0.287	7.42	9.85	8.63	47.35	23.98	15.73	4.31	G
5	19	89	139	23.9	6.54	16.9	66.0	271.1	0.925	0.240	8.39	9.85	8.96	56.95	18.53	10.01	5.55	S
5	20	89	140	2.9	6.38	11.8	130.4	281.6	0.812	0.320	8.83	8.53	4.37	73.61	12.94	5.00	4.08	G
5	20	89	140	5.9	6.83	11.7	266.9	281.6	0.807	0.370	7.21	9.85	4.76	54.52	17.32	19.81	3.59	G
5	20	89	140	8.9	6.96	12.5	346.7	277.9	0.823	0.402	7.53	11.64	8.04	56.46	12.54	19.44	3.52	G
5	20	89	140	11.9	6.47	11.7	87.8	270.5	0.909	0.268	7.88	11.64	6.80	63.25	14.49	11.45	4.01	S
5	20	89	140	14.9	6.35	21.0	156.4	274.6	0.737	0.236	7.31	11.64	1.82	63.31	11.82	16.09	6.96	S
5	20	89	140	17.9	6.89	15.8	267.5	280.8	0.623	0.333	7.21	9.85	3.26	46.94	20.32	19.65	9.84	G
5	20	89	140	20.9	7.13	24.4	335.9	176.9	0.690	0.337	7.64	9.85	8.15	34.19	25.24	20.49	11.93	S
5	20	89	140	23.9	6.62	21.8	43.3	282.7	0.682	0.263	8.83	11.64	23.88	50.78	16.44	6.48	2.42	G

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5	21	89	141	2.9	6.29	26.4	146.9	307.5	0.568	0.190	8.26	8.53	7.61	55.84	26.02	7.42	3.11	S
5	21	89	141	5.9	6.65	20.1	216.4	271.6	0.818	0.205	6.92	9.85	8.21	27.47	33.79	24.75	5.78	S
5	21	89	141	8.9	6.91	5.8	231.9	288.4	0.773	0.270	7.11	11.64	4.09	43.05	24.06	21.47	7.32	G
5	21	89	141	11.9	6.54	12.8	136.0	270.5	0.766	0.204	7.42	11.64	7.32	44.05	13.65	29.04	5.95	S
5	21	89	141	14.9	6.27	26.8	153.1	284.3	0.551	0.119	7.31	9.85	7.16	41.72	22.40	15.25	13.46	S
5	21	89	141	17.9	6.72	13.8	235.6	280.4	0.690	0.179	6.56	9.85	5.71	45.04	25.63	9.65	13.97	G
5	21	89	141	20.9	7.12	23.8	320.2	342.7	0.671	0.208	7.01	7.53	9.42	32.53	29.80	19.07	9.19	G
5	21	89	141	23.9	6.73	23.1	50.6	356.4	0.672	0.183	8.39	9.85	6.18	60.48	19.62	6.75	6.97	S
5	22	89	142	2.9	6.26	25.9	131.8	269.4	0.930	0.119	7.76	9.85	13.53	50.20	19.22	10.67	6.38	S
5	22	89	142	5.9	6.50	22.6	188.8	314.4	0.622	0.181	6.92	8.53	6.65	30.29	10.55	40.42	12.09	G
5	22	89	142	8.9	6.91	15.7	292.3	333.1	0.703	0.201	7.21	9.85	13.02	46.40	17.15	16.57	6.85	G
5	22	89	142	11.9	6.65	15.4	52.5	293.4	0.635	0.183	7.88	18.29	33.57	34.97	9.83	11.23	10.39	G
5	22	89	142	14.9	6.29	19.5	129.4	272.1	0.742	0.136	8.39	9.85	21.74	46.89	14.65	10.55	6.17	S
5	22	89	142	17.9	6.62	10.9	209.6	355.9	0.941	0.188	7.42	7.53	15.48	21.13	33.12	12.64	17.63	S
5	22	89	142	20.9	7.09	26.7	316.2	350.4	0.673	0.158	7.53	18.29	23.35	21.04	24.98	17.86	12.76	S
5	22	89	142	23.9	6.88	41.1	0.9	257.4	0.558	0.148	8.13	8.53	30.94	38.37	14.10	12.47	4.12	S
5	23	89	143	2.9	6.31	22.8	93.2	270.6	0.817	0.162	8.26	9.85	29.09	46.71	9.09	12.02	3.09	G
5	23	89	143	5.9	6.41	21.1	163.0	295.6	0.726	0.180	8.53	8.53	23.49	44.97	11.43	13.76	6.35	G
5	23	89	143	8.9	6.86	19.6	270.9	286.6	0.736	0.186	8.68	8.53	17.86	46.62	17.25	8.88	9.38	G
5	23	89	143	11.9	6.71	14.6	26.1	268.0	0.869	0.180	7.11	8.53	15.32	28.45	37.77	6.29	12.17	S
5	23	89	143	14.9	6.26	21.2	128.9	358.9	0.665	0.274	4.27	3.88	12.29	9.07	3.95	40.00	34.69	S
5	23	89	143	17.9	6.33	14.8	181.6	354.1	0.720	0.302	5.22	4.74	8.10	11.93	4.46	59.69	15.82	S
5	23	89	143	20.9	6.91	21.3	277.3	332.1	0.573	0.225	8.26	18.29	26.74	13.20	19.28	27.22	13.56	G
5	23	89	143	23.9	6.97	26.8	343.0	268.7	0.666	0.200	6.48	18.29	45.74	14.75	16.76	16.20	6.56	S
5	24	89	144	2.9	6.37	33.3	87.4	331.1	0.680	0.163	7.64	18.29	44.62	33.74	6.98	5.70	8.96	G
5	24	89	144	5.9	6.38	24.7	166.8	170.4	0.721	0.171	9.31	14.22	43.26	32.16	13.21	4.81	6.55	S
5	24	89	144	8.9	6.81	23.7	199.5	295.5	0.644	0.188	7.42	7.53	16.27	24.05	36.52	14.67	8.48	G
5	24	89	144	11.9	6.88	12.1	127.8	268.3	0.944	0.193	7.88	7.53	26.92	20.42	23.69	19.01	9.96	S
5	24	89	144	14.9	6.48	25.2	110.5	269.6	0.893	0.163	7.76	14.22	37.60	17.41	15.81	11.78	17.39	S
5	24	89	144	17.9	6.38	25.4	151.3	290.3	0.613	0.130	6.92	14.22	51.53	11.89	17.32	11.32	7.94	G
5	24	89	144	20.9	6.93	17.4	244.3	265.5	0.874	0.229	8.13	14.22	35.23	8.37	30.87	17.96	7.57	G
5	24	89	144	23.9	7.07	21.3	340.7	268.1	0.846	0.208	6.40	5.57	14.96	15.89	14.57	41.49	13.09	G
5	25	89	145	2.9	6.59	26.8	34.5	263.3	0.901	0.174	8.53	18.29	58.90	11.46	14.83	10.22	4.59	S
5	25	89	145	5.9	6.36	22.4	136.6	267.1	0.975	0.145	8.26	14.22	57.86	21.32	7.73	8.30	4.79	S
5	25	89	145	8.9	6.73	11.7	204.6	305.5	0.669	0.189	7.64	14.22	42.69	18.81	15.56	15.36	7.57	G
5	25	89	145	11.9	6.99	18.6	337.2	281.2	0.728	0.248	7.42	6.74	16.60	15.38	37.58	19.58	10.86	G
5	25	89	145	14.9	6.59	20.0	44.8	265.4	0.716	0.187	6.17	7.53	16.59	28.38	21.86	7.52	25.64	G
5	25	89	145	17.9	6.33	15.6	152.1	336.7	0.770	0.172	5.57	14.22	21.51	12.42	14.78	13.52	37.77	G
5	25	89	145	20.9	6.72	10.6	233.7	282.3	0.822	0.225	6.17	4.13	16.72	14.07	10.95	39.46	18.81	G
5	25	89	145	23.9	7.04	15.7	296.3	295.2	0.677	0.172	7.31	14.22	27.82	33.45	13.80	9.60	15.33	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
5	26	89	146	2.9	6.70	24.1	32.5	262.5	0.695	0.131	7.88	14.22	34.63	35.08	9.41	7.90	12.99	G
5	26	89	146	5.9	6.32	38.5	151.8	347.5	0.820	0.140	6.24	14.22	38.60	24.20	9.94	11.54	15.72	S
5	26	89	146	8.9	6.50	19.7	188.5	286.3	0.635	0.137	6.17	11.64	13.82	28.38	17.49	24.24	16.07	G
5	26	89	146	11.9	6.92	6.0	257.9	288.1	0.781	0.195	6.83	14.22	22.23	32.89	11.84	19.75	13.29	G
5	26	89	146	14.9	6.70	18.1	114.1	272.6	0.842	0.214	5.63	14.22	22.80	15.71	13.71	33.33	14.45	G
5	26	89	146	17.9	6.31	35.9	158.4	290.5	0.686	0.150	6.40	14.22	19.03	18.21	16.86	36.39	9.51	S
5	26	89	146	20.9	6.50	23.9	175.9	298.0	0.643	0.162	6.32	14.22	19.44	19.74	23.76	27.63	9.43	S
5	26	89	146	23.9	6.98	10.4	317.1	283.8	0.830	0.308	5.33	4.74	3.79	9.56	7.69	68.70	10.25	G
5	27	89	147	2.9	6.83	12.8	38.3	266.9	0.928	0.246	6.74	14.22	26.49	12.08	24.26	25.43	11.74	S
5	27	89	147	5.9	6.31	22.3	118.0	270.6	0.845	0.174	6.40	6.10	12.73	24.58	25.01	31.18	6.50	S
5	27	89	147	8.9	6.34	30.7	167.5	314.7	0.614	0.141	6.32	14.22	15.37	17.63	33.95	23.36	9.69	G
5	27	89	147	11.9	6.87	14.8	294.2	276.6	0.759	0.202	5.75	5.12	11.39	11.27	20.83	45.33	11.18	G
5	27	89	147	14.9	7.03	1.9	46.3	175.4	0.819	0.582	4.57	4.74	3.54	0.97	7.29	76.54	11.66	S
5	27	89	147	17.9	6.42	29.3	115.8	156.0	0.553	0.283	4.34	5.12	9.60	7.67	6.46	44.58	31.69	S
5	27	89	147	20.9	6.44	13.7	159.2	167.0	0.697	0.197	4.88	3.88	13.35	16.52	13.52	18.10	38.50	G
5	27	89	147	23.9	6.98	10.4	282.4	285.1	0.833	0.211	5.82	6.74	10.10	13.99	33.18	31.94	10.80	G
5	28	89	148	2.9	7.12	4.6	226.6	184.3	0.766	0.940	4.97	5.57	1.79	1.47	10.21	76.40	10.13	S
5	28	89	148	5.9	6.65	32.1	125.5	172.9	0.785	0.855	4.97	5.12	0.94	1.14	9.19	74.14	14.59	S
5	28	89	148	8.9	6.51	32.7	161.8	169.4	0.597	0.672	4.49	4.41	2.44	2.76	2.64	63.35	28.81	S
5	28	89	148	11.9	6.94	21.8	263.6	267.7	0.808	0.299	4.30	4.74	4.57	6.29	12.32	48.26	28.56	S
5	28	89	148	14.9	7.08	26.6	344.6	264.5	0.878	0.228	4.88	4.41	8.71	10.23	10.81	57.00	13.26	S
5	28	89	148	17.9	6.65	22.0	36.0	259.4	0.712	0.152	5.95	6.74	14.28	18.15	26.96	20.24	20.37	G
5	28	89	148	20.9	6.33	16.7	124.9	162.3	0.612	0.177	4.57	14.22	22.12	20.80	8.64	10.73	37.71	G
5	28	89	148	23.9	6.67	2.9	272.7	295.7	0.730	0.156	6.74	7.53	13.38	18.97	36.97	15.04	15.63	G
5	29	89	149	2.9	6.98	20.3	329.5	261.7	0.965	0.141	6.65	5.57	16.95	13.14	20.36	38.84	10.71	S
5	29	89	149	5.9	6.63	13.9	41.5	240.9	0.552	0.215	6.02	6.10	9.27	22.92	26.56	29.58	11.66	G
5	29	89	149	8.9	6.25	26.2	138.7	267.9	0.799	0.116	6.17	11.64	12.54	29.73	19.77	15.47	22.50	S
5	29	89	149	11.9	6.62	22.1	204.8	323.8	0.647	0.162	6.48	11.64	7.41	27.20	30.70	19.41	15.28	G
5	29	89	149	14.9	7.09	15.5	328.6	272.1	0.778	0.174	4.92	5.12	10.02	17.97	15.98	22.95	33.08	G
5	29	89	149	17.9	6.83	28.5	351.8	266.3	0.718	0.184	4.45	3.66	10.69	15.89	16.71	22.36	34.35	G
5	29	89	149	20.9	6.28	23.9	112.8	265.3	0.959	0.169	5.22	4.74	13.39	21.09	10.51	33.14	21.87	S
5	29	89	149	23.9	6.43	11.9	173.9	309.2	0.687	0.219	5.12	14.22	20.86	15.20	9.45	29.13	25.36	G
5	30	89	150	2.9	6.89	22.1	308.0	275.2	0.798	0.169	6.02	11.64	15.91	28.30	11.15	27.95	16.69	G
5	30	89	150	5.9	6.76	18.8	26.3	265.3	0.789	0.147	6.74	9.85	11.07	30.28	16.40	24.90	17.35	G
5	30	89	150	8.9	6.21	31.1	109.1	5.8	0.675	0.124	4.92	14.22	18.95	19.28	14.92	19.68	27.18	S
5	30	89	150	11.9	6.36	26.9	168.9	335.5	0.681	0.134	5.75	8.53	14.54	31.02	18.23	19.66	16.56	G
5	30	89	150	14.9	6.97	17.4	283.3	276.5	0.795	0.206	5.89	7.53	5.96	18.74	20.70	37.56	17.05	G
5	30	89	150	17.9	6.96	15.5	344.2	268.9	0.826	0.246	4.88	4.74	9.51	8.79	17.27	40.21	24.22	G
5	30	89	150	20.9	6.34	17.5	107.7	272.9	0.823	0.179	5.82	5.57	5.71	14.91	12.37	56.97	10.05	G
5	30	89	150	23.9	6.19	42.8	158.1	149.3	0.767	0.128	4.97	8.53	5.31	21.05	16.23	31.39	26.02	S

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5	31	89	151	2.9	6.66	18.5	228.0	281.7	0.746	0.232	5.17	7.53	4.97	8.09	34.90	37.16	14.88	G
5	31	89	151	5.9	6.77	10.7	0.4	272.0	0.762	0.204	5.82	6.74	4.05	19.59	32.60	24.30	19.46	G
5	31	89	151	8.9	6.23	29.0	126.1	248.7	0.609	0.155	6.02	8.53	4.97	22.61	25.42	32.06	14.94	S
5	31	89	151	11.9	6.12	42.6	163.6	166.5	0.897	0.105	5.51	5.12	9.98	23.36	21.29	26.98	18.39	S
5	31	89	151	14.9	6.78	18.1	242.2	273.0	0.804	0.221	5.63	6.10	5.52	15.07	32.81	33.67	12.94	G
5	31	89	151	17.9	7.03	27.4	345.3	266.3	0.854	0.230	4.97	6.74	3.47	5.42	37.68	38.75	14.68	S
5	31	89	151	20.9	6.55	27.5	31.9	264.0	0.914	0.143	6.40	7.53	19.94	16.88	27.41	22.63	13.15	S
5	31	89	151	23.9	6.12	30.5	141.5	172.8	0.816	0.095	7.76	11.64	14.45	49.32	17.00	12.91	6.31	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
6	1	89	152	2.9	6.50	16.5	222.8	289.8	0.684	0.176	5.95	8.53	15.05	19.15	22.71	33.43	9.66	G
6	1	89	152	5.9	6.90	16.9	314.1	271.2	0.758	0.246	5.75	6.74	5.08	9.87	36.17	37.38	11.50	G
6	1	89	152	8.9	6.49	16.2	57.3	277.4	0.743	0.177	6.02	7.53	5.49	15.60	40.56	30.37	7.99	G
6	1	89	152	11.9	6.15	31.3	141.1	263.0	0.814	0.116	5.89	9.85	9.78	20.73	18.42	42.22	8.85	S
6	1	89	152	14.9	6.68	17.2	216.3	292.3	0.660	0.211	5.82	5.12	4.82	21.65	18.19	45.23	10.11	G
6	1	89	152	17.9	7.19	37.4	336.0	261.9	0.792	0.211	5.17	6.74	3.99	13.00	28.73	38.12	16.17	G
6	1	89	152	20.9	6.87	47.7	359.9	357.4	0.598	0.120	6.83	7.53	8.82	26.09	35.31	21.52	8.25	G
6	1	89	152	23.9	6.22	23.8	132.0	267.7	0.765	0.095	7.88	8.53	14.05	41.73	25.98	11.37	6.87	G
6	2	89	153	2.9	6.41	20.1	163.0	294.5	0.703	0.124	8.39	7.53	21.75	25.54	36.47	11.40	4.85	G
6	2	89	153	5.9	6.97	15.1	296.3	282.3	0.755	0.159	5.89	7.53	10.97	23.89	24.33	29.28	11.53	G
6	2	89	153	8.9	6.73	17.3	46.8	235.3	0.556	0.143	6.83	9.85	18.48	27.11	25.38	15.03	14.01	G
6	2	89	153	11.9	6.21	32.9	133.1	275.5	0.719	0.122	6.74	9.85	9.28	45.77	14.50	15.76	14.69	G
6	2	89	153	14.9	6.47	19.9	179.6	301.2	0.723	0.140	6.74	5.12	4.86	24.98	22.72	38.83	8.61	G
6	2	89	153	17.9	7.14	25.6	294.8	271.6	0.796	0.172	5.57	5.57	8.96	9.70	31.91	36.61	12.81	G
6	2	89	153	20.9	7.07	30.6	6.3	183.6	0.602	0.155	4.97	4.74	7.93	9.39	16.44	47.50	18.74	G
6	2	89	153	23.9	6.28	27.9	106.7	268.9	0.655	0.095	7.76	9.85	11.90	42.76	13.64	11.39	20.31	G
6	3	89	154	2.9	6.40	28.4	153.3	316.2	0.564	0.098	7.11	7.53	15.09	33.58	23.94	17.79	9.61	G
6	3	89	154	5.9	6.83	14.6	212.6	314.0	0.615	0.139	8.00	6.74	28.98	14.70	30.30	18.43	7.58	G
6	3	89	154	8.9	6.92	12.6	45.8	263.3	0.623	0.150	6.83	7.53	8.36	27.12	36.60	20.12	7.80	G
6	3	89	154	11.9	6.30	26.7	109.7	283.4	0.664	0.104	7.01	9.85	10.16	47.25	13.04	18.21	11.34	G
6	3	89	154	14.9	6.33	27.6	156.2	306.6	0.685	0.110	6.65	8.53	4.62	32.32	27.88	19.44	15.74	G
6	3	89	154	17.9	7.00	15.2	290.0	272.8	0.826	0.174	5.33	6.74	4.85	21.74	31.97	22.34	19.10	G
6	3	89	154	20.9	7.11	42.7	356.2	175.0	0.752	0.104	5.57	14.22	20.39	26.60	13.27	14.93	24.81	G
6	3	89	154	23.9	6.49	31.1	46.5	359.8	0.722	0.129	5.57	8.53	17.30	35.70	15.10	8.20	23.70	S
6	4	89	155	2.9	6.16	30.8	142.3	357.3	0.873	0.077	5.51	8.53	15.46	33.00	19.32	6.37	25.86	S
6	4	89	155	5.9	6.63	13.6	233.2	266.7	0.678	0.141	5.95	8.53	8.18	36.65	23.54	14.82	16.81	G
6	4	89	155	8.9	6.89	9.8	308.4	262.3	0.823	0.193	5.57	5.57	3.26	16.26	19.17	38.01	23.30	G
6	4	89	155	11.9	6.44	14.5	51.9	246.3	0.642	0.141	5.89	5.57	9.75	15.91	24.53	37.90	11.92	G
6	4	89	155	14.9	6.13	39.4	150.8	267.4	0.638	0.078	5.39	5.57	7.97	16.50	26.30	34.79	14.44	S
6	4	89	155	17.9	6.78	14.0	226.0	278.1	0.713	0.210	5.39	5.12	2.61	11.90	29.24	46.65	9.61	G
6	4	89	155	20.9	7.18	20.3	358.3	276.2	0.820	0.247	5.33	5.12	4.79	5.26	14.25	61.45	14.25	G
6	4	89	155	23.9	6.74	24.0	36.8	258.5	0.665	0.170	5.95	9.85	4.98	31.68	24.20	25.37	13.77	G
6	5	89	156	2.9	6.19	34.8	131.1	285.1	0.625	0.090	7.31	8.53	7.36	55.55	16.94	11.13	9.03	G
6	5	89	156	5.9	6.54	26.4	184.2	318.5	0.688	0.174	6.10	6.10	5.42	7.80	66.33	13.27	7.17	G
6	5	89	156	8.9	7.01	5.8	319.6	275.4	0.800	0.191	6.02	6.74	3.35	18.44	30.75	38.51	8.95	G
6	5	89	156	11.9	6.70	16.3	58.4	279.1	0.672	0.201	6.17	6.74	2.32	14.88	37.57	37.00	8.23	G
6	5	89	156	14.9	6.19	26.1	126.1	279.5	0.719	0.118	6.10	5.57	4.90	17.79	35.97	30.73	10.62	G
6	5	89	156	17.9	6.56	8.9	203.7	291.6	0.776	0.199	5.69	5.57	2.70	5.57	28.94	52.82	9.98	G
6	5	89	156	20.9	7.12	19.5	307.8	269.4	0.754	0.212	5.02	6.74	4.46	8.13	34.39	34.24	18.78	G
6	5	89	156	23.9	6.88	25.5	14.6	288.0	0.656	0.165	6.32	5.57	8.20	15.11	35.25	30.76	10.69	G

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6	6	89	157	2.9	6.26	31.8	110.4	277.1	0.550	0.150	7.01	9.85	3.51	47.95	26.14	8.74	13.66	G
6	6	89	157	5.9	6.35	31.0	155.9	310.7	0.583	0.182	5.75	7.53	6.31	16.75	32.16	24.18	20.61	G
6	6	89	157	8.9	6.84	19.8	269.3	265.1	0.774	0.218	5.22	6.10	2.76	8.44	57.38	16.66	14.75	G
6	6	89	157	11.9	6.76	8.6	345.4	267.8	0.735	0.196	5.63	6.74	3.22	12.55	47.59	22.67	13.96	G
6	6	89	157	14.9	6.29	12.2	115.1	348.9	0.726	0.162	7.01	9.85	3.49	39.37	26.49	18.59	12.06	S
6	6	89	157	17.9	6.40	28.3	156.3	289.7	0.745	0.144	6.32	6.74	1.86	23.12	38.15	29.69	7.17	G
6	6	89	157	20.9	7.05	7.8	292.3	284.0	0.775	0.330	4.88	4.41	2.56	4.39	18.51	58.20	16.35	G
6	6	89	157	23.9	7.03	12.1	359.6	271.1	0.751	0.199	5.33	4.74	4.61	9.96	27.39	41.29	16.75	G
6	7	89	158	2.9	6.41	13.1	91.6	280.9	0.691	0.134	6.65	9.85	7.07	28.78	31.32	17.86	14.97	G
6	7	89	158	5.9	6.30	30.2	156.3	288.0	0.640	0.119	6.92	8.53	4.37	40.17	33.54	14.05	7.87	G
6	7	89	158	8.9	6.79	10.3	234.3	279.9	0.754	0.193	5.57	5.12	5.08	21.37	21.60	41.26	10.69	G
6	7	89	158	11.9	6.96	13.9	34.0	277.3	0.798	0.286	5.63	6.10	1.73	12.84	38.13	35.33	11.97	G
6	7	89	158	14.9	6.45	16.0	108.4	3.1	0.603	0.257	6.24	6.74	1.86	13.94	34.99	35.72	13.50	G
6	7	89	158	17.9	6.29	26.4	160.0	283.1	0.788	0.185	6.24	6.74	2.68	15.20	36.85	38.60	6.68	G
6	7	89	158	20.9	6.89	11.9	273.0	275.6	0.836	0.233	5.63	6.10	1.99	8.35	43.64	34.29	11.72	G
6	7	89	158	23.9	7.14	12.0	341.3	276.1	0.815	0.296	5.63	6.10	1.79	14.53	46.97	26.45	10.26	G
6	8	89	159	2.9	6.63	17.3	39.8	269.7	0.628	0.208	6.83	6.74	2.39	25.93	37.70	26.30	7.67	G
6	8	89	159	5.9	6.31	22.7	141.2	286.6	0.676	0.149	7.01	9.85	2.54	34.76	34.47	21.94	6.29	G
6	8	89	159	8.9	6.66	18.0	178.2	332.8	0.672	0.208	6.02	6.10	2.03	13.92	34.21	40.48	9.36	G
6	8	89	159	11.9	7.01	9.8	7.6	283.0	0.776	0.279	5.69	6.10	2.27	12.04	34.64	39.04	12.01	G
6	8	89	159	14.9	6.68	15.2	76.5	282.7	0.807	0.249	6.02	6.74	6.71	22.02	30.02	32.26	8.98	G
6	8	89	159	17.9	6.34	19.9	130.2	310.0	0.653	0.180	6.10	9.85	13.02	25.09	25.79	25.28	10.83	G
6	8	89	159	20.9	6.63	13.7	175.8	330.2	0.681	0.215	5.39	6.10	2.03	7.87	40.01	40.22	9.87	G
6	8	89	159	23.9	7.02	9.6	323.9	284.8	0.780	0.252	5.95	6.74	2.47	13.94	46.07	25.10	12.42	G
6	9	89	160	2.9	6.73	9.4	27.3	277.1	0.659	0.213	6.92	5.57	2.02	26.35	36.64	28.29	6.71	G
6	9	89	160	5.9	6.32	12.4	124.4	294.9	0.529	0.145	6.83	8.53	8.70	32.88	30.96	17.66	9.80	G
6	9	89	160	8.9	6.45	16.3	171.8	302.7	0.725	0.165	5.95	8.53	2.56	29.80	32.26	27.39	7.99	G
6	9	89	160	11.9	6.86	6.6	308.4	273.0	0.707	0.209	5.75	9.85	2.79	25.15	29.49	25.18	17.38	G
6	9	89	160	14.9	6.76	7.2	333.6	279.6	0.751	0.206	5.75	6.74	4.18	16.33	47.47	20.11	11.92	G
6	9	89	160	17.9	6.32	8.2	103.7	292.7	0.614	0.167	7.01	8.53	4.88	40.86	26.10	22.85	5.31	G
6	9	89	160	20.9	6.43	13.5	191.9	342.0	0.706	0.199	6.02	8.53	3.73	30.23	24.80	25.39	15.84	G
6	9	89	160	23.9	6.89	9.8	295.7	279.2	0.759	0.223	5.95	7.53	3.29	25.29	35.60	24.36	11.46	G
6	10	89	161	2.9	6.80	8.0	16.4	272.5	0.722	0.197	6.56	6.10	17.19	25.30	35.76	12.90	8.85	G
6	10	89	161	5.9	6.39	16.9	137.9	311.3	0.760	0.179	7.42	8.53	8.77	39.68	24.34	23.41	3.80	G
6	10	89	161	8.9	6.41	27.3	150.5	346.7	0.697	0.152	6.92	9.85	4.71	47.53	16.46	26.87	4.44	G
6	10	89	161	11.9	6.88	8.4	184.7	302.6	0.705	0.252	6.17	8.53	2.07	27.74	30.12	33.80	6.27	G
6	10	89	161	14.9	6.93	5.7	26.3	281.3	0.572	0.262	6.40	8.53	3.33	28.45	38.03	22.34	7.85	G
6	10	89	161	17.9	6.55	15.2	81.8	272.5	0.608	0.186	6.65	9.85	4.16	37.51	23.01	27.44	7.87	G
6	10	89	161	20.9	6.49	17.2	142.3	329.9	0.700	0.157	7.53	9.85	5.05	45.57	13.94	27.69	7.76	G
6	10	89	161	23.9	6.92	3.3	318.8	335.8	0.720	0.201	4.97	8.53	5.63	21.98	28.84	12.03	31.52	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
6	11	89	162	2.9	7.06	7.0	171.9	169.1	0.865	0.698	4.41	4.74	2.00	6.85	3.08	76.17	11.90	S
6	11	89	162	5.9	6.65	19.3	123.4	166.9	0.832	0.608	4.27	4.74	2.28	4.35	4.38	60.82	28.17	S
6	11	89	162	8.9	6.55	21.8	159.0	163.3	0.879	0.540	4.34	4.13	2.37	1.78	2.41	71.53	21.90	G
6	11	89	162	11.9	6.83	6.7	292.2	169.4	0.698	0.336	4.83	4.74	5.35	5.71	13.29	55.14	20.52	G
6	11	89	162	14.9	7.02	14.2	347.1	138.0	0.750	0.202	5.28	4.41	3.16	16.11	14.28	53.74	12.70	G
6	11	89	162	17.9	6.68	14.2	24.2	325.3	0.542	0.171	6.02	9.85	4.29	40.19	18.79	20.82	15.90	G
6	11	89	162	20.9	6.45	8.2	103.9	340.7	0.596	0.135	6.83	9.85	11.52	51.76	10.69	9.95	16.08	G
6	11	89	162	23.9	6.67	0.4	0.6	286.5	0.676	0.132	7.64	8.53	17.28	41.01	17.57	8.47	15.67	G
6	12	89	163	2.9	6.85	11.6	343.8	306.9	0.751	0.134	7.31	9.85	21.11	35.23	27.92	8.59	7.14	G
6	12	89	163	5.9	6.58	11.1	26.1	298.4	0.714	0.177	6.83	9.85	4.78	47.69	19.49	17.84	10.20	G
6	12	89	163	8.9	6.34	24.2	134.4	220.1	0.517	0.152	7.11	9.85	11.14	45.53	25.26	8.69	9.37	G
6	12	89	163	11.9	6.64	8.4	204.0	305.0	0.804	0.148	7.76	8.53	18.47	45.85	21.63	7.68	6.37	G
6	12	89	163															M
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Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
6	16	89	167															M
6	16	89	167															M
6	16	89	167															M
6	16	89	167	10.0	6.81	6.2	92.6	282.1	0.788	0.210	6.65	5.57	13.38	24.09	19.64	31.80	11.08	G
6	16	89	167	13.0	6.70	21.5	171.8	291.6	0.800	0.200	6.40	6.74	7.00	15.97	40.00	26.90	10.13	G
6	16	89	167	16.0	7.16	5.8	296.7	295.7	0.802	0.227	5.57	8.53	5.96	22.21	18.77	38.72	14.34	G
6	16	89	167	19.0	7.42	16.7	314.5	71.1	0.742	0.264	4.70	8.53	4.53	28.03	6.33	18.82	42.29	G
6	16	89	167	22.0	6.88	18.4	91.9	309.8	0.797	0.175	5.39	8.53	10.04	35.47	15.94	16.89	21.66	S
6	17	89	168	1.0	6.52	28.6	142.4	307.9	0.672	0.160	5.22	8.53	6.76	40.37	11.21	17.28	24.38	G
6	17	89	168	4.0	6.82	18.1	255.6	275.1	0.683	0.202	6.17	6.10	9.84	22.41	26.82	24.42	16.51	G
6	17	89	168	7.0	7.12	11.9	326.6	275.7	0.762	0.250	6.32	6.10	5.35	16.89	49.99	14.35	13.42	G
6	17	89	168	10.0	6.85	7.5	47.4	287.1	0.686	0.228	5.89	9.85	9.33	31.94	17.87	26.15	14.71	G
6	17	89	168	13.0	6.56	29.3	154.9	291.4	0.750	0.165	6.65	6.10	8.66	34.93	27.92	18.32	10.17	G
6	17	89	168	16.0	7.00	10.9	237.9	284.5	0.834	0.234	6.17	8.53	6.10	31.56	19.40	33.99	8.96	G
6	17	89	168	19.0	7.35	17.1	335.7	274.4	0.778	0.250	5.82	5.12	4.96	25.20	19.42	36.94	13.49	G
6	17	89	168	22.0	7.03	23.2	63.0	269.6	0.818	0.182	7.21	11.64	10.30	46.86	23.48	12.24	7.12	G
6	18	89	169	1.0	6.56	28.0	127.1	282.9	0.700	0.136	8.98	11.64	9.60	60.88	19.69	5.93	3.90	G
6	18	89	169	4.0	6.75	18.0	179.4	287.9	0.818	0.163	6.83	7.53	8.83	31.60	31.82	22.43	5.31	G
6	18	89	169	7.0	7.16	13.4	347.5	276.8	0.771	0.207	5.75	5.12	3.38	29.61	18.58	35.74	12.69	G
6	18	89	169	10.0	6.98	26.3	76.0	287.5	0.771	0.176	6.56	9.85	8.04	41.78	10.24	30.62	9.32	G
6	18	89	169	13.0	6.58	37.2	134.2	273.4	0.583	0.161	6.92	9.85	6.90	49.90	12.27	24.35	6.58	G
6	18	89	169	16.0	6.89	16.3	169.2	285.1	0.820	0.197	5.63	4.74	6.37	14.80	28.64	42.50	7.68	G
6	18	89	169	19.0	7.38	22.0	317.6	274.4	0.722	0.233	5.82	8.53	3.55	30.19	16.76	37.90	11.60	G
6	18	89	169	22.0	7.23	19.6	16.3	283.0	0.668	0.145	8.00	9.85	10.48	46.68	14.01	21.95	6.87	G
6	19	89	170	1.0	6.65	18.7	97.7	277.0	0.674	0.132	7.88	9.85	12.42	53.46	16.74	12.32	5.06	G
6	19	89	170	4.0	6.73	13.4	146.6	289.3	0.680	0.172	7.01	9.85	4.18	47.11	23.42	16.98	8.31	G
6	19	89	170	7.0	7.17	13.7	277.4	289.3	0.741	0.170	7.21	9.85	12.35	38.39	21.13	14.60	13.53	G
6	19	89	170	10.0	7.12	20.6	32.2	287.2	0.718	0.171	7.21	8.53	9.84	49.84	21.48	10.09	8.75	G
6	19	89	170	13.0	6.64	27.1	120.0	287.6	0.787	0.145	7.11	8.53	7.45	47.00	28.24	6.26	11.05	G
6	19	89	170	16.0	6.75	26.6	169.0	301.6	0.786	0.161	6.65	8.53	7.46	45.70	26.11	8.33	12.40	G
6	19	89	170	19.0	7.33	21.2	265.5	287.0	0.759	0.190	6.32	9.85	4.34	34.43	19.22	29.00	13.02	G
6	19	89	170	22.0	7.37	33.1	348.7	313.9	0.737	0.154	7.11	8.53	8.27	39.02	31.90	11.81	9.00	G
6	20	89	171	1.0	6.78	19.6	63.6	274.8	0.788	0.144	8.98	9.85	7.39	73.68	10.66	4.75	3.52	G
6	20	89	171	4.0	6.66	30.9	149.4	299.1	0.722	0.140	7.42	8.53	7.39	63.13	8.90	8.94	11.65	G
6	20	89	171	7.0	7.16	15.7	235.8	273.1	0.732	0.193	6.56	8.53	8.85	27.24	29.84	25.17	8.90	G
6	20	89	171	10.0	7.27	10.2	358.7	278.2	0.806	0.172	6.92	8.53	4.05	40.54	29.07	16.99	9.35	G
6	20	89	171	13.0	6.78	17.9	101.9	281.1	0.805	0.167	7.42	8.53	10.02	50.85	8.50	13.71	16.92	G
6	20	89	171	16.0	6.69	21.2	159.4	294.3	0.787	0.186	5.33	8.53	7.14	34.56	10.24	14.52	33.54	G
6	20	89	171	19.0	7.25	22.0	262.5	284.4	0.761	0.187	6.24	7.53	5.01	33.16	23.37	21.91	16.55	G
6	20	89	171	22.0	7.49	26.2	340.3	270.9	0.769	0.173	5.51	8.53	6.56	41.36	19.16	15.28	17.64	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
6	21	89	172	1.0	7.00	16.1	53.4	273.9	0.755	0.157	9.31	8.53	22.48	58.82	8.88	5.79	4.03	G
6	21	89	172	4.0	6.66	35.0	136.1	230.1	0.566	0.096	8.39	9.85	17.74	45.17	22.91	6.24	7.94	G
6	21	89	172	7.0	7.10	12.9	212.5	300.8	0.720	0.190	7.11	8.53	9.19	33.03	27.21	24.26	6.32	G
6	21	89	172	10.0	7.38	7.3	339.0	283.8	0.729	0.182	7.11	7.53	8.36	28.74	35.88	19.37	7.65	G
6	21	89	172	13.0	6.95	25.9	109.6	282.7	0.821	0.178	6.40	7.53	6.98	26.80	31.06	24.79	10.37	G
6	21	89	172	16.0	6.64	28.6	145.8	298.4	0.691	0.103	7.01	7.53	16.10	31.94	22.85	19.48	9.63	G
6	21	89	172	19.0	7.09	16.9	226.4	285.2	0.800	0.188	6.74	6.74	7.81	24.17	31.73	23.94	12.35	G
6	21	89	172	22.0	7.54	16.0	326.8	272.7	0.778	0.182	5.63	5.57	8.08	18.19	26.62	28.00	19.11	G
6	22	89	173	1.0	7.13	17.9	36.1	286.6	0.751	0.165	7.53	7.53	12.09	32.02	42.97	6.90	6.02	G
6	22	89	173	4.0	6.66	34.3	127.8	271.2	0.672	0.127	7.31	8.53	6.92	58.91	15.60	14.43	4.14	G
6	22	89	173	7.0	6.93	34.1	178.4	309.7	0.656	0.146	7.01	8.53	3.98	30.41	35.23	18.28	12.10	G
6	22	89	173	10.0	7.38	10.4	297.4	283.6	0.734	0.165	5.95	9.85	9.45	29.48	23.49	21.00	16.57	G
6	22	89	173	13.0	7.10	21.9	78.6	279.3	0.800	0.181	7.11	8.53	11.89	46.30	20.84	9.86	11.12	G
6	22	89	173	16.0	6.63	22.5	139.5	281.3	0.605	0.135	7.53	9.85	9.06	62.38	6.47	16.89	5.20	G
6	22	89	173	19.0	6.92	18.9	194.3	298.5	0.777	0.159	6.02	8.53	5.77	26.70	23.46	28.54	15.53	G
6	22	89	173	22.0	7.44	23.2	310.8	265.2	0.642	0.184	5.45	14.22	25.82	12.44	16.63	19.38	25.72	G
6	23	89	174	1.0	7.24	22.6	10.4	279.5	0.706	0.159	7.76	9.85	19.02	44.41	18.42	8.55	9.61	G
6	23	89	174	4.0	6.69	23.2	120.0	288.6	0.821	0.132	9.48	8.53	24.13	48.47	15.82	6.64	4.96	G
6	23	89	174	7.0	6.78	32.6	155.1	341.0	0.588	0.195	7.42	11.64	19.04	42.17	11.39	21.68	5.72	G
6	23	89	174	10.0	7.36	10.4	258.2	282.2	0.751	0.181	7.21	8.53	7.48	42.71	21.53	18.92	9.36	G
6	23	89	174	13.0	7.27	18.7	63.8	288.9	0.795	0.294	10.45	14.22	44.24	41.06	6.58	4.57	3.55	G
6	23	89	174	16.0	6.73	26.4	120.1	289.4	0.808	0.162	10.04	14.22	33.86	37.86	12.68	6.77	8.83	G
6	23	89	174	19.0	6.81	18.0	157.8	297.9	0.797	0.178	9.14	11.64	7.90	69.78	14.35	4.99	2.97	G
6	23	89	174	22.0	7.36	23.3	284.8	292.6	0.766	0.209	8.53	11.64	4.33	49.13	26.28	15.06	5.20	G
6	24	89	175	1.0	7.40	25.2	1.8	292.2	0.725	0.171	8.83	11.64	6.54	73.82	11.84	5.11	2.70	G
6	24	89	175	4.0	6.82	24.8	88.1	291.6	0.721	0.128	9.31	11.64	12.96	62.97	12.32	7.28	4.46	G
6	24	89	175	7.0	6.73	30.3	153.7	302.6	0.685	0.133	9.31	11.64	8.27	69.94	6.85	3.76	11.18	G
6	24	89	175	10.0	7.28	12.9	239.5	307.0	0.564	0.194	8.83	9.85	20.02	46.38	22.78	8.01	2.81	G
6	24	89	175	13.0	7.46	15.6	351.7	276.0	0.790	0.180	7.76	9.85	8.42	57.09	13.71	15.03	5.75	G
6	24	89	175	16.0	6.97	24.5	81.7	286.3	0.682	0.143	7.11	9.85	7.61	64.90	7.00	7.79	12.70	G
6	24	89	175	19.0	6.77	22.2	137.3	307.9	0.770	0.154	7.31	9.85	3.78	55.31	9.47	8.01	23.43	G
6	24	89	175	22.0	7.26	19.6	231.9	283.7	0.695	0.139	7.21	8.53	4.99	60.32	12.22	11.66	10.81	G
6	25	89	176	1.0	7.48	14.9	326.8	279.0	0.774	0.184	7.88	11.64	7.36	45.42	18.58	17.39	11.25	G
6	25	89	176	4.0	7.01	22.0	68.0	279.3	0.749	0.183	7.31	11.64	11.03	55.41	9.31	19.90	4.35	G
6	25	89	176	7.0	6.74	32.5	140.9	303.9	0.659	0.145	7.76	9.85	7.46	48.03	20.89	18.29	5.32	G
6	25	89	176	10.0	7.17	22.2	217.4	294.3	0.779	0.202	6.40	5.12	5.67	25.80	19.07	43.87	5.58	G
6	25	89	176	13.0	7.51	12.7	332.3	274.6	0.779	0.221	5.89	4.41	5.33	28.81	18.13	32.45	15.28	G
6	25	89	176	16.0	7.17	23.0	60.2	277.1	0.755	0.213	6.74	5.57	4.89	24.14	18.93	41.73	10.30	G
6	25	89	176	19.0	6.75	25.2	130.6	271.1	0.614	0.134	7.31	9.85	7.62	46.71	19.63	19.21	6.84	G
6	25	89	176	22.0	6.99	15.5	191.4	298.4	0.800	0.186	7.88	9.85	5.92	59.02	9.47	15.32	10.26	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
6	26	89	177	1.0	7.40	11.6	297.7	283.5	0.729	0.219	7.11	9.85	5.54	55.47	12.65	17.93	8.41	G
6	26	89	177	4.0	7.13	15.0	43.6	285.2	0.769	0.207	7.42	9.85	6.61	48.02	23.10	17.30	4.98	G
6	26	89	177	7.0	6.69	30.1	116.4	292.6	0.768	0.169	7.64	8.53	3.89	64.96	11.39	12.48	7.28	G
6	26	89	177	10.0	6.93	21.5	187.4	305.6	0.786	0.203	7.64	9.85	2.17	55.70	29.09	9.94	3.09	G
6	26	89	177	13.0	7.49	15.0	295.1	281.4	0.787	0.266	7.21	7.53	2.57	31.98	42.94	14.88	7.63	G
6	26	89	177	16.0	7.38	20.8	16.0	284.7	0.776	0.218	7.11	9.85	1.91	38.75	43.16	11.74	4.44	G
6	26	89	177	19.0	6.83	21.8	109.6	287.9	0.799	0.187	7.88	8.53	4.60	55.78	28.95	6.42	4.26	G
6	26	89	177	22.0	6.82	25.9	152.8	296.4	0.772	0.209	8.13	8.53	1.42	65.00	23.95	6.84	2.79	G
6	27	89	178	1.0	7.30	10.2	260.9	288.1	0.792	0.223	7.01	7.53	4.24	20.94	45.98	23.01	5.83	G
6	27	89	178	4.0	7.27	11.4	21.2	277.6	0.774	0.197	7.31	8.53	3.66	52.69	18.87	19.94	4.85	G
6	27	89	178	7.0	6.74	26.5	129.3	267.9	0.645	0.157	8.13	8.53	3.05	60.81	18.77	11.68	5.68	G
6	27	89	178	10.0	6.75	29.3	159.0	304.1	0.679	0.148	6.65	8.53	5.21	41.17	26.95	20.55	6.12	G
6	27	89	178	13.0	7.37	12.1	252.9	285.3	0.759	0.217	6.40	7.53	2.87	23.78	28.73	33.07	11.55	G
6	27	89	178	16.0	7.48	14.5	7.0	278.0	0.827	0.243	6.40	8.53	2.32	30.16	22.40	35.10	10.02	G
6	27	89	178	19.0	6.95	17.1	79.6	294.6	0.757	0.198	7.11	8.53	3.95	65.07	14.17	8.07	8.75	G
6	27	89	178	22.0	6.66	29.0	138.3	257.3	0.578	0.119	8.13	8.53	5.83	41.52	35.30	12.28	5.07	G
6	28	89	179	1.0	7.11	14.8	237.2	286.3	0.755	0.191	7.42	7.53	4.20	41.17	44.13	6.28	4.21	G
6	28	89	179	4.0	7.29	10.7	323.7	280.4	0.780	0.198	7.76	9.85	3.31	52.12	23.67	9.28	11.62	G
6	28	89	179	7.0	6.86	19.2	113.9	292.6	0.724	0.155	7.53	8.53	5.51	55.04	18.07	14.15	7.23	G
6	28	89	179	10.0	6.59	42.1	147.8	321.2	0.668	0.099	7.42	8.53	31.37	33.65	12.77	10.52	11.68	G
6	28	89	179	13.0	7.13	20.2	221.1	305.1	0.722	0.140	6.83	8.53	5.87	41.16	22.48	21.66	8.83	G
6	28	89	179	16.0	7.49	26.3	342.7	153.3	0.743	0.212	5.51	3.88	8.89	16.98	13.05	34.57	26.51	G
6	28	89	179	19.0	7.12	24.6	33.6	329.5	0.688	0.129	6.83	9.85	29.19	32.44	9.46	11.63	17.28	G
6	28	89	179	22.0	6.69	24.9	121.0	312.1	0.741	0.095	7.88	8.53	14.34	53.15	13.70	10.59	8.22	G
6	29	89	180	1.0	6.87	20.5	177.1	325.1	0.803	0.098	7.11	8.53	12.12	43.75	19.92	18.06	6.15	G
6	29	89	180	4.0	7.25	15.7	327.6	296.0	0.747	0.156	6.48	8.53	7.03	39.96	19.45	27.10	6.46	G
6	29	89	180	7.0	7.14	18.4	72.8	322.4	0.764	0.148	4.79	9.85	16.34	25.71	6.82	23.08	28.05	G
6	29	89	180	10.0	6.74	36.4	151.1	184.3	0.892	0.495	4.16	4.41	2.02	1.02	1.74	72.98	22.24	G
6	29	89	180	13.0	7.03	16.4	219.3	182.8	0.677	0.179	4.06	7.53	5.12	5.77	20.53	23.54	45.05	G
6	29	89	180	16.0	7.66	24.2	295.0	208.9	0.577	0.224	4.23	4.41	5.83	11.66	5.57	42.79	34.15	G
6	29	89	180	19.0	7.56	40.1	348.2	156.3	0.579	0.219	4.92	5.57	4.70	4.68	14.70	55.00	20.92	G
6	29	89	180	22.0	6.90	24.1	76.0	185.6	0.595	0.259	4.49	4.74	7.71	6.72	12.86	52.29	20.41	G
6	30	89	181	1.0	6.84	21.8	155.9	180.3	0.620	0.179	4.41	4.13	5.38	11.14	13.49	37.55	32.44	G
6	30	89	181	4.0	7.35	12.4	287.7	195.7	0.531	0.174	4.49	5.57	7.97	13.24	15.84	35.69	27.26	G
6	30	89	181	7.0	7.35	11.5	4.7	161.8	0.524	0.150	4.92	8.53	7.98	19.60	23.39	28.30	20.73	G
6	30	89	181	10.0	6.81	24.9	102.5	190.4	0.650	0.197	4.20	3.88	2.54	7.84	15.31	26.91	47.41	G
6	30	89	181	13.0	6.81	21.8	166.1	341.7	0.554	0.142	4.83	42.67	28.65	10.07	11.00	22.20	28.08	G
6	30	89	181	16.0	7.47	26.9	289.7	272.4	0.693	0.175	4.57	6.74	12.42	8.02	22.19	34.98	22.39	G
6	30	89	181	19.0	7.60	31.8	9.4	271.8	0.737	0.192	5.28	4.13	4.17	16.69	20.00	46.17	12.98	G
6	30	89	181	22.0	6.99	27.3	35.7	298.3	0.531	0.152	6.24	6.10	4.66	14.82	42.89	30.44	7.17	G

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7	1	89	182	1.0	6.70	33.0	146.0	326.8	0.696	0.086	6.74	7.53	11.26	24.51	37.90	20.07	6.25	G
7	1	89	182	4.0	7.14	17.9	237.1	278.9	0.781	0.142	6.10	5.12	7.77	10.94	29.98	40.36	10.95	G
7	1	89	182	7.0	7.38	14.9	8.4	278.9	0.804	0.190	5.33	6.74	5.76	12.29	28.75	44.29	8.91	G
7	1	89	182	10.0	6.91	23.8	89.0	294.3	0.757	0.181	5.63	7.53	6.58	14.11	41.25	29.21	8.85	G
7	1	89	182	13.0	6.67	32.3	145.4	318.8	0.603	0.121	5.33	5.57	4.89	10.58	30.77	41.22	12.55	G
7	1	89	182	16.0	7.24	15.6	261.2	286.8	0.745	0.179	5.22	5.57	4.99	6.15	25.83	51.89	11.14	G
7	1	89	182	19.0	7.62	20.5	332.6	267.3	0.788	0.168	5.22	5.57	5.75	8.16	17.82	49.60	18.68	G
7	1	89	182	22.0	7.21	39.9	14.1	273.5	0.520	0.143	5.51	6.10	13.62	11.21	34.76	31.52	8.89	G
7	2	89	183	1.0	6.65	27.7	125.6	274.5	0.709	0.132	6.32	6.74	6.60	5.10	62.93	18.06	7.31	G
7	2	89	183	4.0	6.97	19.3	203.7	298.1	0.789	0.192	6.17	5.57	3.08	11.46	35.32	46.64	3.50	G
7	2	89	183	7.0	7.41	13.0	318.8	283.4	0.792	0.246	5.39	5.12	4.22	11.01	27.35	46.93	10.49	G
7	2	89	183	10.0	7.10	18.1	58.5	274.5	0.798	0.217	6.32	7.53	2.33	7.27	62.18	20.89	7.33	G
7	2	89	183	13.0	6.63	31.8	134.2	280.3	0.579	0.139	7.11	7.53	4.36	14.57	68.23	7.35	5.49	G
7	2	89	183	16.0	6.99	18.5	190.9	306.9	0.772	0.208	5.75	6.74	1.60	8.24	57.30	19.09	13.76	G
7	2	89	183	19.0	7.54	14.4	311.3	272.6	0.811	0.283	5.95	5.57	2.18	6.13	39.33	43.04	9.33	G
7	2	89	183	22.0	7.34	39.7	6.6	283.9	0.622	0.181	6.02	6.74	3.89	14.14	48.04	25.80	8.13	G
7	3	89	184	1.0	6.65	28.7	104.0	285.9	0.833	0.189	7.11	8.53	1.93	39.96	47.18	5.31	5.62	G
7	3	89	184	4.0	6.72	26.2	170.6	290.1	0.786	0.161	6.65	6.74	2.01	10.65	71.49	11.05	4.80	G
7	3	89	184	7.0	7.30	14.5	267.7	286.7	0.807	0.216	5.82	7.53	2.89	11.30	43.11	33.78	8.92	G
7	3	89	184	10.0	7.20	14.4	74.8	273.6	0.845	0.191	6.02	6.74	3.54	23.84	29.54	35.21	7.87	G
7	3	89	184	13.0	6.64	29.3	132.1	244.9	0.584	0.160	6.40	7.53	12.41	18.90	24.62	18.37	25.71	G
7	3	89	184	16.0	6.75	28.8	167.8	297.6	0.749	0.184	4.57	6.10	2.64	8.82	35.85	23.47	29.22	G
7	3	89	184	19.0	7.41	15.4	276.4	281.9	0.847	0.256	5.07	6.10	3.62	6.13	36.27	35.31	18.66	G
7	3	89	184	22.0	7.42	23.8	358.2	268.2	0.805	0.162	6.32	8.53	4.77	32.33	31.54	20.23	11.13	G
7	4	89	185	1.0	6.81	26.9	53.8	261.7	0.726	0.150	7.64	7.53	5.96	27.84	50.20	10.95	5.05	G
7	4	89	185	4.0	6.66	26.3	151.0	305.0	0.660	0.123	6.02	7.53	3.99	20.00	35.06	28.51	12.44	G
7	4	89	185	7.0	7.26	21.4	264.9	280.5	0.838	0.208	5.82	6.74	4.09	13.12	49.11	15.71	17.96	G
7	4	89	185	10.0	7.41	17.5	5.1	277.0	0.831	0.166	6.24	6.74	5.05	21.12	37.80	20.98	15.05	G
7	4	89	185	13.0	6.87	17.6	70.2	275.0	0.792	0.165	6.24	8.53	8.25	39.10	28.26	8.82	15.57	G
7	4	89	185	16.0	6.73	25.1	144.8	292.8	0.797	0.207	4.83	6.10	4.22	16.14	35.10	11.90	32.63	G
7	4	89	185	19.0	7.36	18.2	264.5	278.1	0.855	0.269	5.22	8.53	2.51	28.83	18.26	16.23	34.16	G
7	4	89	185	22.0	7.65	33.3	341.9	269.5	0.744	0.276	5.51	8.53	4.67	24.91	20.31	29.75	20.35	G
7	5	89	186	1.0	7.12	17.9	23.6	273.8	0.784	0.242	6.56	9.85	2.94	36.38	26.46	26.05	8.16	G
7	5	89	186	4.0	6.73	29.7	138.3	271.3	0.702	0.236	6.92	7.53	8.19	24.17	34.25	26.06	7.32	G
7	5	89	186	7.0	7.11	21.9	220.1	278.1	0.768	0.269	6.32	6.74	5.09	22.90	37.04	25.60	9.37	G
7	5	89	186	10.0	7.46	13.4	294.7	275.8	0.844	0.336	5.82	7.53	2.41	9.33	36.10	40.88	11.29	G
7	5	89	186	13.0	7.05	13.5	106.1	277.1	0.861	0.217	6.02	9.85	5.03	28.02	32.55	26.29	8.10	G
7	5	89	186	16.0	6.67	30.2	155.0	288.3	0.737	0.195	4.88	8.53	6.65	27.72	18.38	26.11	21.14	G
7	5	89	186	19.0	7.14	18.7	204.3	282.2	0.818	0.305	6.02	6.10	1.70	19.12	41.39	29.96	7.82	G
7	5	89	186	22.0	7.53	11.9	291.2	278.6	0.863	0.415	6.10	6.10	1.26	10.23	54.09	30.31	4.10	G

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7	6	89	187	1.0	7.17	11.5	90.7	274.5	0.843	0.248	6.40	8.53	2.78	28.87	32.60	30.08	5.69	G
7	6	89	187	4.0	6.66	28.8	143.7	294.7	0.670	0.158	7.42	7.53	13.66	27.59	39.49	14.94	4.33	G
7	6	89	187	7.0	6.92	25.7	191.7	297.4	0.679	0.195	6.48	6.10	2.38	19.68	51.81	21.26	4.86	G
7	6	89	187	10.0	7.39	11.7	312.2	282.9	0.777	0.252	6.48	6.10	5.17	19.88	30.31	33.33	11.30	G
7	6	89	187	13.0	7.18	9.8	52.3	292.1	0.741	0.227	5.95	7.53	11.83	21.72	26.51	30.76	9.18	G
7	6	89	187	16.0	6.72	15.3	136.7	282.3	0.694	0.161	7.64	6.74	16.04	31.20	30.64	17.72	4.40	G
7	6	89	187	19.0	6.93	10.1	185.9	287.0	0.845	0.227	6.02	6.74	2.48	26.79	24.38	39.28	7.07	G
7	6	89	187	22.0	7.39	14.4	317.6	280.8	0.836	0.286	5.75	5.12	3.72	15.54	23.83	46.97	9.94	G
7	7	89	188	1.0	7.19	19.0	21.4	284.6	0.756	0.222	6.24	11.64	4.55	29.57	8.83	42.03	15.03	G
7	7	89	188	4.0	6.66	27.4	86.8	279.3	0.700	0.150	8.53	11.64	11.17	40.16	21.13	12.90	14.64	G
7	7	89	188	7.0	6.80	20.3	179.7	291.1	0.759	0.152	7.01	6.10	9.68	29.59	37.14	15.62	7.97	G
7	7	89	188	10.0	7.33	11.7	295.7	289.4	0.779	0.187	6.74	6.74	2.88	24.20	36.66	26.02	10.25	G
7	7	89	188	13.0	7.27	13.5	26.2	280.4	0.744	0.179	6.56	6.74	6.48	20.77	42.66	18.95	11.14	G
7	7	89	188	16.0	6.76	17.6	66.0	278.5	0.816	0.162	6.74	6.74	5.38	27.23	27.12	32.30	7.97	G
7	7	89	188	19.0	6.79	15.1	164.9	288.9	0.771	0.121	7.21	6.10	10.25	35.43	31.59	15.37	7.36	G
7	7	89	188	22.0	7.24	17.5	284.9	280.4	0.801	0.176	6.74	5.57	6.21	23.52	31.41	31.74	7.11	G
7	8	89	189	1.0	7.26	22.0	347.2	276.5	0.773	0.141	6.92	6.74	9.41	31.67	31.50	19.75	7.67	G
7	8	89	189	4.0	6.76	18.9	87.7	287.9	0.689	0.113	7.42	11.64	17.17	37.30	25.62	12.22	7.69	G
7	8	89	189	7.0	6.72	27.6	161.4	308.0	0.729	0.086	7.31	9.85	6.19	42.85	27.61	17.72	5.63	G
7	8	89	189	10.0	7.21	9.3	261.3	289.1	0.752	0.147	6.40	5.57	9.01	16.83	22.93	38.48	12.75	G
7	8	89	189	13.0	7.33	12.9	22.9	285.1	0.719	0.140	6.02	6.74	11.30	19.71	26.72	31.01	11.25	G
7	8	89	189	16.0	6.99	20.0	65.7	179.8	0.557	0.185	4.88	3.88	17.20	15.12	11.73	7.99	47.96	G
7	8	89	189	19.0	6.88	17.0	144.3	181.6	0.793	0.253	3.88	3.88	12.15	8.60	4.29	25.64	49.32	G
7	8	89	189	22.0	7.35	18.2	224.0	147.8	0.610	0.180	4.30	3.88	7.67	4.67	8.97	28.89	49.79	G
7	9	89	190	1.0	7.35	20.6	330.3	312.2	0.654	0.153	5.33	5.57	9.64	17.40	15.21	40.57	17.18	G
7	9	89	190	4.0	6.95	17.8	36.3	273.6	0.609	0.126	6.83	8.53	11.55	45.97	15.31	9.20	17.97	G
7	9	89	190	7.0	6.75	19.1	125.5	284.7	0.686	0.122	6.74	7.53	4.62	31.10	32.93	25.30	6.05	G
7	9	89	190	10.0	7.14	9.9	256.8	282.7	0.747	0.109	6.17	6.10	17.86	11.04	29.27	32.12	9.72	G
7	9	89	190	13.0	7.42	19.8	335.0	275.8	0.735	0.142	6.32	9.85	12.60	28.82	24.42	26.29	7.87	G
7	9	89	190	16.0	7.10	16.7	22.3	231.5	0.511	0.115	7.64	14.22	34.82	18.65	18.35	15.81	12.37	G
7	9	89	190	19.0	6.79	24.8	123.6	288.6	0.693	0.122	6.65	7.53	12.32	19.80	23.31	30.78	13.79	G
7	9	89	190	22.0	7.01	13.3	185.6	292.7	0.755	0.130	7.01	7.53	13.12	24.02	35.15	17.48	10.23	G
7	10	89	191	1.0	7.24	11.7	301.5	275.9	0.719	0.137	6.92	8.53	18.96	34.45	21.17	12.42	13.01	G
7	10	89	191	4.0	6.96	15.6	79.5	277.8	0.740	0.131	7.21	9.85	11.37	41.61	22.61	11.73	12.68	G
7	10	89	191	7.0	6.65	25.3	147.8	299.1	0.613	0.089	5.57	9.85	14.89	33.24	14.32	10.90	26.65	G
7	10	89	191	10.0	6.92	20.5	200.3	303.6	0.647	0.110	7.76	9.85	27.41	35.67	15.75	9.83	11.33	G
7	10	89	191	13.0	7.30	9.8	203.2	287.0	0.760	0.170	6.40	8.53	7.01	42.08	14.60	21.74	14.57	G
7	10	89	191	16.0	7.11	15.6	28.6	275.4	0.757	0.184	5.89	3.88	14.79	25.29	18.75	18.42	22.75	G
7	10	89	191	19.0	6.71	10.2	126.1	281.7	0.693	0.128	7.21	8.53	13.24	44.94	12.42	22.02	7.39	G
7	10	89	191	22.0	6.80	10.7	155.8	281.4	0.784	0.177	9.85	8.53	37.94	35.67	10.22	9.60	6.58	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
7	11	89	192	1.0	7.09	16.3	319.5	287.5	0.741	0.160	6.48	8.53	9.63	32.14	17.14	32.31	8.78	G
7	11	89	192	4.0	7.00	11.6	37.1	281.1	0.751	0.141	7.76	8.53	15.42	43.32	21.46	10.07	9.73	G
7	11	89	192	7.0	6.67	15.9	123.9	294.9	0.736	0.124	8.26	9.85	15.93	52.08	12.61	11.12	8.25	G
7	11	89	192	10.0	6.83	21.2	173.9	288.6	0.601	0.095	6.56	8.53	15.84	42.85	23.26	11.92	6.12	G
7	11	89	192	13.0	7.20	10.1	278.5	280.1	0.779	0.160	6.56	8.53	9.14	32.03	24.77	21.50	12.56	G
7	11	89	192	16.0	7.21	16.8	12.3	283.1	0.769	0.164	7.42	8.53	3.98	54.96	28.46	5.61	6.99	G
7	11	89	192	19.0	6.82	11.7	71.0	287.9	0.809	0.148	8.53	9.85	15.88	58.66	11.37	9.12	4.96	G
7	11	89	192	22.0	6.82	9.6	167.8	296.1	0.765	0.113	8.26	8.53	13.95	54.14	21.06	6.07	4.78	G
7	12	89	193	1.0	7.11	12.7	325.5	290.3	0.812	0.129	8.83	8.53	14.22	60.47	9.96	10.75	4.59	G
7	12	89	193	4.0	7.12	19.5	8.9	179.4	0.703	0.236	5.07	4.13	8.40	25.02	4.79	33.94	27.86	G
7	12	89	193	7.0	6.87	21.1	78.6	289.9	0.721	0.169	8.13	9.85	13.11	52.70	11.48	8.00	14.72	G
7	12	89	193	10.0	6.85	19.9	111.9	291.2	0.765	0.170	6.56	9.85	13.51	52.72	12.65	4.42	16.69	G
7	12	89	193	13.0	7.31	9.9	313.0	294.1	0.671	0.224	5.51	9.85	9.34	35.80	14.23	7.25	33.38	G
7	12	89	193	16.0	7.47	30.4	343.7	280.9	0.633	0.185	6.02	11.64	16.11	35.03	7.73	9.91	31.21	G
7	12	89	193	19.0	7.15	29.7	14.2	269.4	0.535	0.182	5.22	9.85	8.42	29.66	7.54	24.64	29.74	G
7	12	89	193	22.0	6.89	8.9	98.4	284.2	0.573	0.201	5.33	8.53	10.55	29.37	8.84	11.87	39.37	G
7	13	89	194	1.0	7.05	4.8	256.3	292.9	0.562	0.191	6.10	8.53	10.36	39.94	14.83	14.33	20.54	G
7	13	89	194	4.0	7.22	9.2	353.9	283.5	0.749	0.176	7.11	8.53	17.91	40.06	13.19	15.41	13.43	G
7	13	89	194	7.0	6.95	31.5	96.6	287.7	0.786	0.183	7.21	9.85	12.76	43.37	13.14	21.76	8.97	G
7	13	89	194	10.0	6.78	15.5	138.7	288.8	0.577	0.133	8.53	9.85	12.10	55.35	15.42	10.37	6.76	G
7	13	89	194	13.0	7.08	15.9	206.1	305.8	0.747	0.158	7.53	8.53	11.04	46.28	19.06	18.74	4.88	G
7	13	89	194	16.0	7.42	13.8	299.4	304.3	0.806	0.192	6.48	8.53	13.87	36.68	13.77	24.10	11.58	G
7	13	89	194	19.0	7.21	19.5	65.9	277.0	0.833	0.224	5.95	5.12	15.01	17.44	8.49	38.61	20.45	G
7	13	89	194	22.0	6.86	22.6	118.2	292.3	0.707	0.136	8.53	9.85	25.01	43.41	11.73	9.16	10.69	G
7	14	89	195	1.0	7.01	14.7	147.9	316.1	0.661	0.193	5.51	3.46	19.15	24.04	10.68	11.96	34.17	G
7	14	89	195	4.0	7.38	25.6	350.1	311.4	0.755	0.219	5.22	7.53	11.59	19.13	26.22	9.30	33.76	G
7	14	89	195	7.0	7.23	11.0	71.7	171.9	0.710	0.355	4.38	4.13	5.21	8.79	8.36	48.86	28.78	G
7	14	89	195	10.0	6.88	21.3	114.6	183.6	0.671	0.376	4.41	4.41	5.31	3.34	5.37	58.82	27.15	G
7	14	89	195	13.0	7.09	17.6	190.1	173.1	0.575	0.207	4.83	14.22	24.15	14.53	9.68	25.39	26.25	G
7	14	89	195	16.0	7.49	21.0	329.4	289.0	0.717	0.251	7.64	14.22	37.34	7.52	12.61	31.64	10.89	G
7	14	89	195	19.0	7.42	22.4	18.5	276.1	0.721	0.283	9.48	14.22	61.34	12.23	10.12	11.37	4.93	G
7	14	89	195	22.0	6.96	21.2	81.3	290.7	0.790	0.236	10.89	14.22	36.85	25.95	16.13	15.60	5.46	G
7	15	89	196	1.0	6.94	13.0	143.4	302.5	0.722	0.188	8.83	14.22	34.94	39.61	6.46	12.45	6.54	G
7	15	89	196	4.0	7.29	9.9	16.8	298.2	0.766	0.212	8.83	11.64	19.69	56.28	8.04	11.06	4.93	G
7	15	89	196	7.0	7.26	25.0	60.0	276.4	0.801	0.224	8.53	11.64	19.95	59.04	3.44	14.77	2.81	G
7	15	89	196	10.0	6.90	18.9	101.9	295.3	0.808	0.225	10.04	11.64	18.54	68.58	4.87	6.25	1.76	G
7	15	89	196	13.0	6.94	19.5	161.3	289.7	0.666	0.181	7.76	9.85	16.15	48.38	10.60	16.05	8.80	G
7	15	89	196	16.0	7.42	9.6	261.5	286.7	0.706	0.254	9.14	9.85	5.06	57.32	22.08	10.66	4.87	G
7	15	89	196	19.0	7.50	15.4	18.4	285.7	0.730	0.277	8.98	11.64	9.46	54.84	13.76	16.04	5.90	G
7	15	89	196	22.0	7.05	18.8	30.6	307.8	0.850	0.232	8.00	11.64	4.28	62.42	21.67	4.04	7.59	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
7	16	89	197	1.0	6.83	12.3	148.9	304.7	0.854	0.231	7.11	9.85	7.74	58.25	9.91	8.30	15.80	G
7	16	89	197	4.0	7.15	6.9	258.5	302.9	0.892	0.333	7.01	9.85	2.04	56.49	7.11	11.56	22.80	G
7	16	89	197	7.0	7.24	16.4	340.7	306.6	0.895	0.363	6.74	9.85	7.70	33.04	9.60	32.18	17.48	S
7	16	89	197	10.0	6.88	13.7	29.5	304.2	0.844	0.284	5.57	11.64	4.58	41.33	6.18	25.36	22.55	G
7	16	89	197	13.0	6.70	16.5	166.5	304.2	0.806	0.281	5.28	9.85	6.61	36.18	7.78	25.08	24.35	G
7	16	89	197	16.0	7.19	16.9	242.5	297.0	0.805	0.369	5.69	9.85	5.64	30.10	16.11	31.89	16.25	G
7	16	89	197	19.0	7.63	5.3	285.7	281.6	0.838	0.385	5.89	9.85	5.29	34.26	22.22	28.79	9.45	G
7	16	89	197	22.0	7.23	9.4	78.5	148.4	0.749	0.397	4.57	3.88	4.27	18.33	16.73	30.24	30.42	G
7	17	89	198	1.0	6.79	43.4	131.1	166.4	0.702	0.269	4.16	9.85	2.30	23.24	15.09	11.30	48.07	G
7	17	89	198	4.0	7.15	56.7	181.3	336.7	0.586	0.312	5.22	6.10	2.87	13.81	35.95	24.88	22.49	G
7	17	89	198	7.0	7.41	16.9	161.7	201.7	0.530	0.296	6.24	8.53	4.05	23.61	27.04	27.82	17.49	G
7	17	89	198	10.0	7.19	15.8	56.1	267.8	0.604	0.250	5.95	9.85	5.66	43.16	17.09	17.12	16.98	G
7	17	89	198	13.0	6.86	21.1	101.1	156.4	0.556	0.209	5.02	9.85	4.43	39.96	17.69	11.02	26.91	G
7	17	89	198	16.0	7.17	8.5	19.6	288.2	0.650	0.187	5.75	5.12	4.53	19.72	28.41	31.24	16.12	G
7	17	89	198	19.0	7.67	36.3	332.3	301.9	0.691	0.281	6.02	5.12	3.92	19.92	25.66	39.86	10.65	G
7	17	89	198	22.0	7.45	46.7	1.2	310.1	0.760	0.231	5.28	6.74	5.61	23.76	26.17	13.91	30.56	G
7	18	89	199	1.0	6.92	18.0	60.5	261.2	0.716	0.277	4.83	9.85	5.28	25.25	6.47	27.73	35.26	G
7	18	89	199	4.0	7.07	12.4	170.3	285.6	0.695	0.261	5.17	7.53	6.38	16.98	23.99	31.14	21.50	G
7	18	89	199	7.0	7.55	11.8	296.5	302.3	0.871	0.289	4.41	6.74	6.69	14.83	28.88	19.22	30.38	G
7	18	89	199	10.0	7.35	11.6	29.5	309.1	0.721	0.340	5.02	8.53	3.14	39.62	18.97	22.23	16.04	S
7	18	89	199	13.0	6.85	24.1	121.3	162.4	0.576	0.230	4.06	3.88	2.12	13.15	17.37	19.08	48.28	G
7	18	89	199	16.0	7.05	25.3	189.0	303.2	0.629	0.224	4.97	5.57	8.85	14.28	24.61	28.54	23.72	G
7	18	89	199	19.0	7.66	17.3	278.6	280.1	0.772	0.310	5.39	5.57	7.17	11.26	30.16	41.66	9.74	G
7	18	89	199	22.0	7.55	25.9	16.2	291.0	0.732	0.234	5.89	6.10	6.91	12.15	44.23	26.05	10.67	G
7	19	89	200	1.0	6.92	19.1	81.2	277.2	0.726	0.186	6.83	7.53	2.85	29.04	39.06	22.06	6.99	G
7	19	89	200	4.0	6.90	23.3	158.1	291.6	0.738	0.155	6.40	5.57	9.05	16.06	29.46	40.42	5.01	G
7	19	89	200	7.0	7.44	19.6	282.7	291.1	0.758	0.259	6.02	5.12	6.59	9.65	31.83	43.47	8.47	G
7	19	89	200	10.0	7.45	16.8	16.0	284.8	0.724	0.255	6.40	5.57	8.67	18.37	22.35	42.89	7.72	G
7	19	89	200	13.0	6.85	18.8	94.9	286.5	0.793	0.189	5.95	8.53	5.75	29.16	32.83	16.71	15.55	G
7	19	89	200	16.0	6.81	22.4	167.6	293.4	0.781	0.232	4.34	4.13	6.59	8.09	20.54	33.11	31.68	G
7	19	89	200	19.0	7.44	25.0	276.7	303.3	0.850	0.292	4.70	6.10	4.89	13.25	23.19	27.39	31.28	G
7	19	89	200	22.0	7.52	33.9	355.9	298.3	0.686	0.221	5.57	7.53	12.86	14.79	29.20	17.30	25.85	G
7	20	89	201	1.0	6.89	23.5	46.3	289.8	0.691	0.168	6.65	7.53	10.68	20.36	35.96	24.54	8.46	G
7	20	89	201	4.0	6.66	24.5	151.2	299.8	0.721	0.126	6.40	8.53	16.63	29.36	16.75	22.77	14.49	G
7	20	89	201	7.0	7.18	19.6	249.6	302.6	0.799	0.230	5.75	7.53	7.01	14.28	30.42	31.61	16.68	G
7	20	89	201	10.0	7.47	13.3	336.5	301.0	0.865	0.256	5.63	5.12	11.94	11.29	21.45	41.17	14.16	G
7	20	89	201	13.0	6.95	15.7	87.7	296.6	0.848	0.183	7.11	9.85	10.47	30.85	30.01	23.06	5.61	G
7	20	89	201	16.0	6.69	30.8	152.3	311.2	0.844	0.216	9.48	8.53	44.41	33.10	13.82	6.48	2.19	G
7	20	89	201	19.0	7.26	14.9	233.6	292.0	0.786	0.274	6.10	6.10	8.74	6.34	33.79	43.25	7.88	G
7	20	89	201	22.0	7.61	14.0	331.2	278.9	0.838	0.327	6.24	5.57	3.94	5.26	26.84	55.60	8.36	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
7	21	89	202	1.0	7.11	14.6	38.2	283.1	0.733	0.226	6.40	8.53	8.49	28.62	23.50	34.42	4.96	G
7	21	89	202	4.0	6.66	27.0	156.6	305.0	0.735	0.117	7.11	9.85	14.56	17.71	25.69	31.95	10.09	G
7	21	89	202	7.0	7.10	22.0	202.0	305.1	0.812	0.231	6.24	8.53	5.67	30.77	19.75	33.81	10.00	G
7	21	89	202	10.0	7.55	17.3	315.4	284.0	0.645	0.342	5.69	6.10	5.31	15.16	37.19	30.46	11.88	G
7	21	89	202	13.0	7.18	12.2	34.9	284.0	0.658	0.216	6.10	5.57	12.46	13.82	22.81	43.53	7.37	G
7	21	89	202	16.0	6.70	17.1	130.1	300.5	0.764	0.136	6.24	8.53	12.62	23.98	23.16	30.35	9.89	G
7	21	89	202	19.0	7.06	19.2	189.6	299.6	0.851	0.246	5.02	6.74	6.03	6.14	43.39	26.06	18.38	G
7	21	89	202	22.0	7.64	17.8	300.9	288.1	0.758	0.245	5.12	5.57	8.70	9.95	32.95	32.01	16.39	G
7	22	89	203	1.0	7.34	25.9	25.1	317.6	0.774	0.167	7.88	9.85	21.72	45.85	15.63	9.01	7.79	G
7	22	89	203	4.0	6.76	24.0	124.0	299.7	0.699	0.124	8.53	8.53	21.82	41.22	12.44	20.38	4.13	G
7	22	89	203	7.0	6.99	24.6	179.7	321.5	0.696	0.156	7.31	7.53	14.64	28.05	41.55	9.09	6.67	G
7	22	89	203	10.0	7.62	17.4	285.2	298.4	0.818	0.228	6.48	6.74	13.46	11.62	45.84	20.26	8.82	G
7	22	89	203	13.0	7.41	12.3	32.5	295.9	0.796	0.249	6.74	8.53	21.97	19.27	24.33	27.12	7.31	G
7	22	89	203	16.0	6.78	16.5	125.0	310.8	0.849	0.154	6.74	18.29	21.84	22.51	18.94	23.49	13.22	G
7	22	89	203	19.0	6.89	22.4	169.0	306.7	0.826	0.186	6.92	7.53	15.50	9.59	32.57	29.13	13.20	G
7	22	89	203	22.0	7.48	22.2	277.8	305.0	0.799	0.226	7.42	18.29	28.91	20.03	11.24	25.77	14.05	G
7	23	89	204	1.0	7.41	12.4	341.9	313.9	0.893	0.199	7.01	8.53	23.82	35.22	20.15	5.91	14.90	G
7	23	89	204	4.0	6.77	18.0	121.6	306.5	0.819	0.116	9.31	18.29	46.48	25.20	16.18	7.15	4.99	G
7	23	89	204	7.0	6.82	31.2	170.8	303.6	0.620	0.128	10.04	18.29	64.96	8.08	19.87	3.59	3.50	G
7	23	89	204	10.0	7.45	17.8	264.2	310.6	0.848	0.222	7.31	14.22	36.73	11.94	18.81	25.35	7.17	G
7	23	89	204	13.0	7.51	15.3	4.9	314.9	0.932	0.241	8.98	18.29	69.21	3.61	8.86	12.26	6.07	S
7	23	89	204	16.0	6.90	18.8	82.5	301.7	0.794	0.187	10.24	18.29	54.89	27.88	5.62	7.25	4.35	G
7	23	89	204	19.0	6.77	25.0	141.3	318.9	0.713	0.121	8.98	14.22	41.14	24.48	8.19	18.13	8.06	G
7	23	89	204	22.0	7.29	23.0	236.8	312.5	0.903	0.217	10.24	14.22	59.83	10.79	22.20	4.56	2.61	S
7	24	89	205	1.0	7.48	16.3	354.0	305.3	0.819	0.214	10.24	14.22	63.45	14.51	12.43	7.04	2.57	G
7	24	89	205	4.0	6.93	21.3	74.8	302.4	0.810	0.195	11.91	14.22	71.03	14.52	7.70	3.03	3.71	G
7	24	89	205	7.0	6.74	27.5	150.2	309.3	0.739	0.135	10.24	14.22	42.77	26.68	7.34	17.16	6.05	G
7	24	89	205															M
7	24	89	205	14.1	7.40	46.8	353.1	253.7	0.808	0.189	11.91	14.22	64.37	6.89	13.42	5.07	10.24	G
7	24	89	205	17.1	6.84	17.6	40.7	264.6	0.734	0.177	10.04	18.29	42.19	34.04	10.30	8.13	5.33	G
7	24	89	205	20.1	6.72	21.8	148.9	269.6	0.727	0.181	8.83	14.22	50.04	19.90	16.91	2.70	10.45	G
7	24	89	205	23.1	7.26	14.4	283.2	289.9	0.795	0.216	8.98	14.22	43.34	17.10	14.83	8.55	16.18	G
7	25	89	206	2.1	7.30	18.3	346.8	275.1	0.742	0.207	9.14	14.22	46.70	13.75	15.58	8.26	15.71	G
7	25	89	206	5.1	6.82	21.4	92.9	280.5	0.800	0.183	7.21	14.22	31.71	14.72	9.63	28.28	15.65	G
7	25	89	206	8.1	6.69	35.2	156.2	254.0	0.736	0.116	7.64	14.22	33.76	18.85	14.97	25.56	6.86	G
7	25	89	206	11.1	7.27	12.1	232.0	252.8	0.732	0.215	6.48	14.22	33.50	15.56	12.82	29.04	9.08	G
7	25	89	206	14.1	7.51	17.2	344.0	267.5	0.764	0.219	8.53	14.22	47.19	10.74	19.09	17.33	5.65	G
7	25	89	206	17.1	7.06	22.8	41.4	269.7	0.615	0.172	8.26	14.22	24.86	23.47	29.98	16.54	5.15	G
7	25	89	206	20.1	6.67	23.3	128.8	273.6	0.745	0.184	8.26	14.22	32.33	19.45	33.11	9.05	6.06	G
7	25	89	206	23.1	6.99	16.7	220.8	291.3	0.749	0.207	6.92	11.64	11.75	36.02	22.19	24.32	5.72	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
7	26	89	207	2.1	7.28	11.4	321.9	276.0	0.736	0.263	6.74	7.53	14.24	18.65	31.30	29.66	6.14	G
7	26	89	207	5.1	6.94	19.5	51.3	275.0	0.753	0.221	7.42	7.53	14.37	26.39	38.11	16.20	4.94	G
7	26	89	207	8.1	6.59	31.6	152.6	288.1	0.760	0.167	8.13	7.53	16.33	33.06	37.94	7.49	5.17	G
7	26	89	207	11.1	6.99	22.9	202.6	289.8	0.689	0.247	6.83	6.74	5.06	27.37	50.05	12.96	4.56	G
7	26	89	207	14.1	7.43	17.3	327.4	272.8	0.753	0.288	6.32	6.74	4.71	22.46	42.54	19.79	10.50	G
7	26	89	207	17.1	7.20	23.7	18.6	280.8	0.777	0.246	7.01	9.85	15.17	24.87	31.44	22.06	6.46	G
7	26	89	207	20.1	6.66	25.1	90.0	271.0	0.755	0.213	7.88	8.53	22.84	42.82	14.66	14.83	4.86	G
7	26	89	207	23.1	6.79	25.0	174.0	262.8	0.755	0.209	7.76	7.53	12.81	19.91	49.29	14.44	3.55	G
7	27	89	208	2.1	7.18	15.6	190.2	272.6	0.753	0.273	7.11	7.53	7.86	22.80	55.32	9.36	4.66	G
7	27	89	208	5.1	7.02	10.8	94.5	280.9	0.808	0.190	7.76	8.53	20.86	42.88	20.54	10.26	5.47	G
7	27	89	208	8.1	6.59	19.4	130.0	253.6	0.730	0.133	7.88	9.85	12.63	48.05	25.33	8.16	5.84	G
7	27	89	208	11.1	6.73	22.5	179.1	269.7	0.716	0.152	7.01	6.74	10.42	30.08	34.44	21.86	3.20	G
7	27	89	208	14.1	7.29	22.0	302.2	285.6	0.777	0.249	6.65	7.53	10.00	13.94	38.01	29.34	8.71	G
7	27	89	208	17.1	7.27	38.4	3.5	272.8	0.711	0.235	6.83	7.53	16.46	27.80	25.72	12.84	17.18	G
7	27	89	208	20.1	6.72	30.5	42.1	276.9	0.572	0.151	9.14	14.22	30.90	46.87	12.53	5.35	4.36	G
7	27	89	208	23.1	6.53	24.1	136.8	254.8	0.821	0.158	9.14	14.22	37.87	32.17	23.83	1.45	4.68	G
7	28	89	209	2.1	6.94	13.1	246.6	274.9	0.742	0.165	7.76	11.64	15.24	42.74	28.08	6.38	7.57	G
7	28	89	209	5.1	7.15	8.6	308.3	284.1	0.753	0.191	8.83	14.22	23.66	28.91	22.17	18.16	7.10	G
7	28	89	209	8.1	6.67	17.5	100.1	258.2	0.821	0.139	8.39	9.85	21.19	48.15	16.02	10.12	4.53	G
7	28	89	209	11.1	6.57	37.2	151.3	304.7	0.650	0.169	6.48	14.22	19.38	34.11	11.22	19.10	16.19	G
7	28	89	209	14.1	7.09	16.1	207.4	291.5	0.668	0.207	7.53	8.53	8.79	35.83	16.72	25.26	13.40	G
7	28	89	209	17.1	7.36	18.7	330.6	258.1	0.767	0.203	6.48	7.53	14.40	15.60	36.70	20.05	13.25	G
7	28	89	209	20.1	6.99	27.9	36.8	244.9	0.774	0.176	8.13	8.53	9.40	53.96	20.56	6.51	9.56	G
7	28	89	209	23.1	6.62	25.5	121.7	276.6	0.770	0.149	8.13	8.53	17.27	58.03	10.80	6.22	7.68	G
7	29	89	210	2.1	6.94	22.1	208.4	260.1	0.789	0.205	5.63	7.53	15.98	27.75	30.40	5.44	20.44	G
7	29	89	210	5.1	7.41	18.8	208.5	242.9	0.667	0.403	4.49	4.74	4.32	7.86	5.87	53.96	28.00	S
7	29	89	210	8.1	7.16	13.8	90.9	234.0	0.666	0.432	4.79	5.12	3.37	8.61	4.56	69.54	13.92	S
7	29	89	210	11.1	6.75	24.1	132.6	260.8	0.747	0.270	4.53	4.41	3.47	6.84	15.66	47.39	26.64	S
7	29	89	210	14.1	7.08	17.6	241.0	258.9	0.863	0.221	4.57	5.57	6.27	7.01	15.94	34.49	36.30	S
7	29	89	210	17.1	7.56	26.9	322.9	259.0	0.680	0.214	5.63	11.64	6.44	22.99	23.34	25.83	21.40	G
7	29	89	210	20.1	7.35	45.1	6.0	258.1	0.602	0.161	6.10	7.53	15.85	14.20	35.23	22.80	11.92	G
7	29	89	210	23.1	6.79	22.8	61.9	264.7	0.768	0.154	7.42	8.53	15.36	31.78	23.10	19.69	10.07	G
7	30	89	211	2.1	6.84	17.8	153.8	274.5	0.692	0.136	7.21	8.53	10.18	36.99	26.58	16.77	9.48	G
7	30	89	211	5.1	7.32	13.2	284.2	288.6	0.735	0.179	6.83	14.22	22.89	26.64	19.03	19.29	12.15	G
7	30	89	211	8.1	7.24	14.5	49.3	277.2	0.667	0.159	7.01	11.64	12.06	29.72	24.72	21.62	11.88	G
7	30	89	211	11.1	6.73	24.8	121.9	279.5	0.719	0.136	7.53	7.53	16.49	31.63	32.31	6.94	12.62	G
7	30	89	211	14.1	6.84	18.1	170.8	252.4	0.735	0.152	5.39	11.64	11.35	27.98	17.32	20.83	22.51	G
7	30	89	211	17.1	7.40	16.9	262.2	253.4	0.885	0.212	4.06	7.53	5.91	12.98	28.47	13.42	39.22	S
7	30	89	211	20.1	7.42	41.6	353.7	266.2	0.645	0.173	6.10	7.53	15.98	16.47	37.01	11.44	19.11	G
7	30	89	211	23.1	6.84	26.9	46.7	258.7	0.717	0.190	6.32	7.53	12.24	13.99	38.52	12.85	22.39	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
7	31	89	212	2.1	6.64	20.8	151.6	271.5	0.703	0.189	4.97	7.53	8.77	20.45	26.90	21.63	22.26	G
7	31	89	212	5.1	7.08	23.9	248.2	259.4	0.784	0.236	4.92	6.10	6.46	11.65	27.12	36.97	17.80	G
7	31	89	212	8.1	7.32	14.2	301.9	277.5	0.802	0.228	6.10	7.53	3.78	21.73	31.87	29.79	12.83	G
7	31	89	212	11.1	6.88	19.0	126.5	269.1	0.712	0.132	7.53	8.53	18.39	36.06	21.39	17.75	6.41	G
7	31	89	212	14.1	6.77	36.9	142.0	37.3	0.602	0.113	5.28	11.64	11.54	23.85	16.59	24.35	23.68	G
7	31	89	212	17.1	7.38	28.4	193.0	198.6	0.677	0.283	4.23	3.66	4.52	12.93	13.73	24.55	44.27	G
7	31	89	212	20.1	7.60	13.4	303.6	265.2	0.655	0.238	5.39	7.53	4.86	15.92	27.07	34.82	17.33	S
7	31	89	212	23.1	7.15	26.6	42.9	254.9	0.725	0.241	5.17	7.53	5.87	14.80	25.25	27.00	27.08	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	1	89	213	2.1	6.77	20.7	117.5	235.1	0.592	0.206	4.34	3.46	7.99	15.95	18.03	19.38	38.65	G
8	1	89	213	5.1	7.16	18.6	218.4	242.8	0.700	0.249	4.92	8.53	5.38	19.83	20.63	29.75	24.40	G
8	1	89	213	8.1	7.51	17.8	339.2	274.1	0.630	0.272	5.51	6.10	5.62	13.93	30.19	27.18	23.07	G
8	1	89	213	11.1	7.12	23.4	39.3	279.1	0.661	0.241	5.95	6.10	3.20	22.82	32.73	27.23	14.02	G
8	1	89	213	14.1	6.73	21.6	120.0	285.1	0.590	0.181	5.12	7.53	3.94	24.97	28.97	13.02	29.10	G
8	1	89	213	17.1	7.19	20.0	233.7	271.9	0.765	0.234	5.89	9.85	3.56	36.66	20.04	26.71	13.03	G
8	1	89	213	20.1	7.65	24.8	318.6	261.2	0.712	0.256	6.56	7.53	6.46	22.58	38.53	21.67	10.75	G
8	1	89	213	23.1	7.32	39.8	10.4	262.3	0.685	0.247	7.42	7.53	5.30	37.41	35.71	14.14	7.44	G
8	2	89	214	2.1	6.79	26.4	111.0	285.1	0.793	0.188	7.64	7.53	2.79	34.49	49.96	7.74	5.01	G
8	2	89	214	5.1	7.02	22.3	187.9	298.4	0.769	0.238	7.31	7.53	3.35	31.26	46.87	13.07	5.45	G
8	2	89	214	8.1	7.53	12.3	275.6	279.9	0.745	0.271	6.48	7.53	4.44	25.78	39.84	21.78	8.16	G
8	2	89	214	11.1	7.28	18.7	42.1	292.1	0.670	0.193	7.53	8.53	14.09	41.54	21.63	16.12	6.63	G
8	2	89	214	14.1	6.74	30.0	116.3	287.6	0.781	0.192	7.53	9.85	5.29	56.94	23.61	9.09	5.08	G
8	2	89	214	17.1	6.99	22.8	199.0	279.6	0.688	0.206	7.53	8.53	3.25	44.23	40.56	6.68	5.28	G
8	2	89	214	20.1	7.54	13.6	287.9	277.3	0.773	0.285	8.00	9.85	5.99	58.43	20.69	10.88	4.01	G
8	2	89	214	23.1	7.37	19.5	15.1	281.8	0.722	0.222	7.76	11.64	2.72	60.47	22.10	9.50	5.21	G
8	3	89	215	2.1	6.73	28.7	96.4	288.8	0.753	0.189	8.68	9.85	2.48	74.03	11.92	8.45	3.13	G
8	3	89	215	5.1	6.81	24.8	170.8	292.8	0.631	0.139	7.21	9.85	5.51	45.99	29.61	13.36	5.52	G
8	3	89	215	8.1	7.35	17.4	247.4	302.9	0.662	0.213	7.76	9.85	2.89	56.94	24.73	9.95	5.49	G
8	3	89	215	11.1	7.27	11.0	24.7	285.4	0.731	0.182	7.21	9.85	7.62	56.95	11.47	18.81	5.16	G
8	3	89	215	14.1	6.73	26.5	107.6	289.9	0.703	0.151	8.00	9.85	3.83	69.81	14.43	6.15	5.77	G
8	3	89	215	17.1	6.78	27.0	184.2	318.2	0.593	0.132	7.53	8.53	15.20	43.27	22.01	11.83	7.69	G
8	3	89	215	20.1	7.33	17.6	277.1	258.9	0.708	0.163	7.21	8.53	5.55	52.85	18.53	13.65	9.42	G
8	3	89	215	23.1	7.35	21.8	12.1	266.5	0.693	0.133	7.76	8.53	5.97	52.37	24.18	11.73	5.75	G
8	4	89	216	2.1	6.78	22.8	64.2	262.2	0.719	0.127	9.66	9.85	6.80	77.34	10.51	1.71	3.64	G
8	4	89	216	5.1	6.73	16.6	140.4	291.6	0.648	0.120	8.13	8.53	6.81	62.47	20.91	5.59	4.23	G
8	4	89	216	8.1	7.28	21.2	288.3	286.0	0.767	0.179	8.00	8.53	11.19	47.47	27.04	8.52	5.78	G
8	4	89	216	11.1	7.37	31.9	350.6	266.8	0.766	0.154	7.53	8.53	6.98	49.15	27.43	10.43	6.00	G
8	4	89	216	14.1	6.86	19.3	58.8	272.3	0.732	0.163	7.64	9.85	12.65	56.28	11.05	9.01	11.00	G
8	4	89	216	17.1	6.71	18.2	141.7	276.4	0.663	0.167	6.92	9.85	18.75	43.48	15.29	4.33	18.15	G
8	4	89	216	20.1	7.20	12.6	283.2	295.4	0.706	0.186	7.42	8.53	11.81	47.96	11.13	24.67	4.44	G
8	4	89	216	23.1	7.37	22.8	352.1	273.8	0.709	0.160	9.31	9.85	10.73	66.22	13.67	3.50	5.88	G
8	5	89	217	2.1	6.86	15.2	56.0	280.5	0.748	0.173	9.85	9.85	29.15	52.01	7.70	4.56	6.58	G
8	5	89	217	5.1	6.69	27.3	159.1	276.0	0.758	0.137	8.83	9.85	12.07	53.63	22.18	4.53	7.59	G
8	5	89	217	8.1	7.12	19.0	189.7	309.6	0.748	0.184	8.83	14.22	30.28	29.99	27.34	7.38	5.01	G
8	5	89	217	11.1	7.40	4.1	49.0	281.0	0.722	0.201	7.53	14.22	31.91	47.69	6.63	7.71	6.07	G
8	5	89	217	14.1	6.97	24.2	84.5	291.1	0.737	0.229	9.31	14.22	59.47	18.69	7.49	8.42	5.93	G
8	5	89	217	17.1	6.68	21.0	124.6	292.3	0.759	0.181	8.68	11.64	4.89	67.02	9.95	12.13	6.01	G
8	5	89	217	20.1	7.05	13.4	201.8	297.1	0.644	0.185	7.76	9.85	6.34	54.07	18.66	14.29	6.65	G
8	5	89	217	23.1	7.33	9.8	333.3	273.7	0.687	0.199	8.26	11.64	19.08	59.33	8.73	6.69	6.17	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	6	89	218	2.1	6.96	14.1	57.5	271.4	0.725	0.198	9.48	11.64	12.33	71.18	5.21	9.12	2.17	G
8	6	89	218	5.1	6.66	16.9	118.9	295.8	0.828	0.229	10.04	11.64	5.80	82.80	6.45	3.13	1.82	G
8	6	89	218	8.1	6.99	12.1	183.0	298.5	0.782	0.245	9.48	9.85	10.93	61.41	21.11	4.31	2.23	G
8	6	89	218	11.1	7.37	18.7	329.9	268.0	0.714	0.258	8.00	8.53	5.73	54.08	25.96	10.62	3.60	G
8	6	89	218	14.1	7.12	22.3	35.9	267.5	0.698	0.216	8.26	11.64	16.60	50.42	14.91	14.79	3.29	G
8	6	89	218	17.1	6.72	16.3	123.1	287.3	0.746	0.198	10.04	14.22	37.22	50.12	5.11	5.73	1.81	G
8	6	89	218	20.1	6.92	8.1	170.4	290.2	0.831	0.273	10.45	11.64	20.84	65.72	8.45	3.31	1.68	G
8	6	89	218	23.1	7.29	14.7	316.1	278.5	0.744	0.353	10.45	14.22	35.02	47.65	10.81	4.89	1.62	G
8	7	89	219	2.1	7.05	16.5	52.1	275.8	0.691	0.297	10.04	11.64	36.01	33.25	22.12	6.05	2.57	G
8	7	89	219	5.1	6.70	21.1	134.2	297.2	0.726	0.305	11.64	18.29	60.89	28.68	5.49	2.78	2.15	G
8	7	89	219	8.1	6.90	21.8	174.4	298.9	0.759	0.420	11.38	14.22	48.26	37.90	8.65	3.95	1.24	G
8	7	89	219	11.1	7.39	9.5	335.4	292.8	0.814	0.629	11.38	14.22	64.51	16.08	10.08	7.45	1.88	G
8	7	89	219	14.1	7.39	17.8	45.1	270.3	0.649	0.498	10.45	14.22	62.91	13.87	4.78	5.54	12.90	G
8	7	89	219	17.1	6.88	26.7	99.6	242.2	0.660	0.812	6.32	14.22	33.45	16.69	3.05	31.17	15.64	S
8	7	89	219	20.1	7.03	45.9	175.3	185.3	0.784	0.788	5.22	14.22	21.27	10.20	3.27	52.73	12.52	G
8	7	89	219	23.1	7.37	9.4	227.7	193.2	0.806	0.864	5.45	5.12	6.26	10.83	1.77	70.27	10.86	G
8	8	89	220	2.1	7.34	8.0	37.2	189.4	0.786	0.702	5.45	5.12	13.20	14.89	3.19	54.72	14.01	G
8	8	89	220	5.1	7.04	17.7	115.1	189.2	0.772	0.774	5.17	5.12	8.16	9.82	3.36	61.80	16.87	G
8	8	89	220	8.1	7.07	8.2	177.4	190.9	0.642	0.571	4.92	11.64	5.09	27.70	9.21	36.35	21.65	G
8	8	89	220	11.1	7.45	21.7	310.7	219.6	0.532	0.390	5.95	4.41	6.59	27.20	14.99	29.86	21.35	G
8	8	89	220	14.1	7.46	41.5	7.6	255.6	0.671	0.353	7.01	9.85	10.47	31.21	18.87	28.89	10.56	G
8	8	89	220	17.1	7.04	26.8	30.5	271.5	0.554	0.276	6.83	11.64	8.71	35.06	24.06	19.18	12.99	G
8	8	89	220	20.1	6.95	5.7	77.3	280.4	0.603	0.246	7.01	8.53	9.09	42.24	18.43	10.24	20.00	G
8	8	89	220	23.1	7.28	4.0	331.4	330.3	0.598	0.246	5.51	9.85	4.67	43.84	13.71	7.19	30.59	G
8	9	89	221	2.1	7.39	14.5	37.6	271.1	0.610	0.270	6.40	9.85	5.78	49.22	15.36	7.38	22.26	G
8	9	89	221	5.1	7.06	24.2	122.3	181.7	0.649	0.293	4.79	9.85	5.92	29.20	10.42	18.85	35.61	G
8	9	89	221	8.1	7.00	22.8	163.0	180.8	0.597	0.231	4.88	8.53	4.93	33.62	19.04	9.68	32.73	G
8	9	89	221	11.1	7.34	3.7	264.7	302.7	0.634	0.200	5.95	7.53	5.40	27.13	34.07	13.03	20.36	G
8	9	89	221	14.1	7.51	21.0	6.9	279.8	0.768	0.222	6.83	8.53	3.67	42.32	24.22	18.30	11.50	G
8	9	89	221	17.1	7.23	17.9	62.8	266.0	0.759	0.198	6.74	9.85	5.98	43.37	25.64	8.09	16.92	G
8	9	89	221	20.1	6.98	12.0	93.0	270.9	0.840	0.242	4.57	8.53	9.68	31.87	13.73	14.32	30.40	G
8	9	89	221	23.1	7.26	9.4	255.9	271.4	0.742	0.278	4.49	8.53	4.83	23.48	16.17	26.97	28.54	G
8	10	89	222	2.1	7.42	13.2	328.6	260.9	0.668	0.420	4.45	5.12	4.37	3.90	15.87	41.75	34.12	G
8	10	89	222	5.1	7.22	12.8	24.7	248.2	0.686	0.495	4.70	5.12	2.39	3.63	29.92	42.36	21.70	G
8	10	89	222	8.1	7.09	20.1	162.0	196.8	0.769	0.776	4.41	4.41	1.74	5.17	19.19	53.91	19.99	G
8	10	89	222	11.1	7.38	24.6	202.8	191.6	0.649	0.900	4.83	4.74	1.73	2.04	21.42	63.08	11.73	G
8	10	89	222	14.1	7.69	11.1	307.7	183.7	0.692	0.711	4.97	5.12	2.52	5.51	19.72	55.66	16.59	G
8	10	89	222	17.1	7.50	15.5	29.7	214.5	0.662	0.697	5.17	4.41	4.94	7.51	24.66	50.08	12.81	G
8	10	89	222	20.1	7.14	24.1	95.3	200.9	0.689	0.703	4.83	5.12	2.76	7.60	22.06	52.24	15.34	G
8	10	89	222	23.1	7.17	16.6	179.3	181.8	0.729	0.499	4.79	4.41	2.59	7.85	25.47	46.22	17.87	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	11	89	223	2.1	7.39	11.3	280.8	199.2	0.535	0.420	5.17	4.74	4.59	3.39	23.78	53.08	15.17	G
8	11	89	223	5.1	7.21	8.1	33.9	253.1	0.642	0.276	5.69	7.53	2.94	17.33	41.90	24.06	13.77	G
8	11	89	223	8.1	6.90	18.0	94.6	285.5	0.678	0.206	6.24	8.53	9.65	28.08	28.30	21.21	12.76	G
8	11	89	223	11.1	7.04	12.3	230.0	287.8	0.691	0.197	6.02	6.74	6.57	13.44	47.73	21.96	10.30	G
8	11	89	223	14.1	7.42	15.6	306.0	295.1	0.759	0.283	5.75	6.10	4.14	9.23	48.52	24.34	13.76	G
8	11	89	223	17.1	7.40	20.6	3.3	285.6	0.581	0.331	5.89	6.74	5.57	8.39	55.71	16.32	14.01	G
8	11	89	223	20.1	7.01	15.5	74.0	250.8	0.657	0.279	5.22	6.74	4.76	10.39	28.08	22.47	34.30	G
8	11	89	223	23.1	6.94	19.3	143.7	290.9	0.581	0.230	5.69	6.74	4.40	9.89	50.46	7.31	27.94	G
8	12	89	224	2.1	7.26	8.1	275.7	284.2	0.693	0.246	5.45	7.53	6.54	5.68	38.99	27.48	21.30	G
8	12	89	224	5.1	7.30	9.9	323.0	330.2	0.559	0.239	4.88	6.74	6.93	6.78	40.36	17.09	28.84	G
8	12	89	224	8.1	6.96	14.1	71.1	253.2	0.796	0.212	5.12	7.53	4.87	6.71	33.27	18.25	36.90	G
8	12	89	224	11.1	6.95	8.0	143.7	286.8	0.709	0.147	5.89	6.10	9.47	16.31	38.85	20.55	14.83	G
8	12	89	224	14.1	7.33	11.3	311.2	275.2	0.820	0.305	5.12	5.12	3.13	3.61	16.64	69.38	7.24	G
8	12	89	224	17.1	7.43	18.1	349.5	271.7	0.861	0.335	5.28	6.74	3.91	4.61	43.21	36.12	12.15	G
8	12	89	224	20.1	7.06	14.8	41.2	253.1	0.962	0.270	6.02	6.10	4.26	15.80	38.21	34.39	7.33	S
8	12	89	224	23.1	6.82	14.3	133.5	274.9	0.772	0.181	6.83	7.53	4.60	6.14	60.14	19.60	9.52	G
8	13	89	225	2.1	7.08	10.4	221.2	270.6	0.747	0.212	5.69	6.74	3.78	4.52	49.81	34.20	7.69	G
8	13	89	225	5.1	7.29	9.8	348.2	270.8	0.847	0.299	6.02	6.74	5.16	7.19	59.51	22.15	5.99	G
8	13	89	225	8.1	7.01	9.1	64.4	268.1	0.883	0.221	6.32	6.74	7.89	6.85	43.24	31.62	10.40	G
8	13	89	225	11.1	6.79	11.9	141.8	277.2	0.743	0.150	6.10	6.10	2.38	17.08	46.12	24.78	9.64	G
8	13	89	225	14.1	7.14	10.8	242.9	266.9	0.843	0.225	6.40	6.10	3.03	10.65	49.97	26.60	9.74	G
8	13	89	225	17.1	7.48	15.8	326.0	265.0	0.859	0.275	5.75	5.12	4.46	14.07	27.59	39.71	14.18	G
8	13	89	225	20.1	7.23	18.3	31.6	258.1	0.830	0.220	6.48	6.74	5.90	30.13	44.22	13.99	5.76	G
8	13	89	225	23.1	6.79	12.7	72.1	256.1	0.904	0.163	6.92	7.53	5.27	22.04	51.51	16.54	4.64	G
8	14	89	226	2.1	6.97	9.5	188.3	279.9	0.801	0.188	6.02	6.10	5.10	15.49	36.25	35.81	7.35	G
8	14	89	226	5.1	7.32	9.4	306.0	278.5	0.835	0.243	5.95	6.74	3.94	10.04	52.79	26.34	6.89	G
8	14	89	226	8.1	7.17	13.0	33.1	255.7	0.785	0.208	6.56	6.74	6.41	13.89	50.04	22.87	6.78	G
8	14	89	226	11.1	6.74	17.4	124.1	267.9	0.830	0.140	6.65	7.53	3.15	28.16	40.96	18.87	8.86	G
8	14	89	226	14.1	6.96	12.8	198.5	268.4	0.839	0.187	6.56	6.74	2.52	24.23	47.03	19.70	6.53	G
8	14	89	226	17.1	7.48	15.1	285.7	267.2	0.891	0.231	6.40	6.74	3.55	21.58	41.91	20.96	12.01	G
8	14	89	226	20.1	7.39	20.2	14.9	257.2	0.945	0.232	6.48	8.53	3.95	34.99	31.99	24.31	4.76	S
8	14	89	226	23.1	6.84	15.5	68.2	266.2	0.849	0.166	7.76	7.53	4.88	33.28	41.58	16.38	3.89	G
8	15	89	227	2.1	6.84	15.8	176.5	279.7	0.663	0.144	7.31	9.85	5.12	52.63	22.33	15.96	3.97	G
8	15	89	227	5.1	7.34	9.2	265.6	266.7	0.887	0.250	6.65	7.53	2.79	13.12	49.99	27.97	6.13	G
8	15	89	227	8.1	7.33	8.5	19.7	263.6	0.803	0.218	6.48	7.53	4.26	23.09	32.89	34.20	5.56	G
8	15	89	227	11.1	6.81	16.8	87.5	259.8	0.947	0.184	6.74	7.53	5.66	32.38	40.24	15.57	6.16	S
8	15	89	227	14.1	6.80	12.7	169.6	281.6	0.593	0.200	8.00	6.74	36.22	16.86	32.90	9.60	4.42	G
8	15	89	227	17.1	7.42	8.6	282.5	262.5	0.967	0.305	5.57	5.57	4.14	8.69	31.98	50.32	4.87	S
8	15	89	227	20.1	7.52	22.0	348.5	268.8	0.795	0.297	6.24	7.53	3.95	18.27	41.29	28.88	7.61	G
8	15	89	227	23.1	6.93	17.6	59.5	256.9	0.960	0.230	7.11	8.53	7.09	36.73	29.16	21.54	5.48	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	16	89	228	2.1	6.72	21.7	152.1	289.1	0.658	0.151	7.01	7.53	11.43	19.50	54.40	11.03	3.64	G
8	16	89	228	5.1	7.24	21.2	198.5	14.8	0.597	0.264	6.56	6.10	2.84	9.08	62.65	19.95	5.47	G
8	16	89	228	8.1	7.46	10.5	355.8	277.2	0.779	0.223	6.56	6.74	10.78	7.93	44.42	31.94	4.93	G
8	16	89	228	11.1	6.94	19.1	60.9	261.4	0.836	0.188	7.53	7.53	7.09	22.58	58.82	8.03	3.48	G
8	16	89	228	14.1	6.67	19.7	146.9	311.8	0.685	0.130	6.56	6.74	5.71	17.12	56.96	10.33	9.88	G
8	16	89	228	17.1	7.28	9.7	219.7	275.6	0.643	0.237	5.63	5.57	11.61	5.93	29.22	46.31	6.93	G
8	16	89	228	20.1	7.60	18.3	350.7	276.6	0.666	0.224	6.65	6.74	14.83	6.42	53.94	17.45	7.36	G
8	16	89	228	23.1	7.11	20.2	49.2	257.4	0.720	0.201	8.13	8.53	10.64	39.32	38.21	9.20	2.63	G
8	17	89	229	2.1	6.62	24.2	128.7	248.9	0.520	0.120	8.00	8.53	8.83	51.53	33.38	2.38	3.88	G
8	17	89	229	5.1	7.11	20.5	194.3	303.8	0.623	0.235	6.65	6.74	3.54	5.24	83.40	5.97	1.84	G
8	17	89	229	8.1	7.57	7.7	349.6	292.2	0.749	0.296	6.74	7.53	4.34	5.57	69.08	17.33	3.69	G
8	17	89	229	11.1	7.15	14.7	62.0	247.8	0.764	0.226	7.31	8.53	8.67	37.90	34.00	14.01	5.42	G
8	17	89	229	14.1	6.64	22.1	138.8	287.4	0.623	0.162	7.64	8.53	8.21	42.12	39.29	7.13	3.26	G
8	17	89	229	17.1	7.09	14.1	207.6	286.2	0.628	0.251	7.21	6.74	14.20	6.85	57.21	17.43	4.31	G
8	17	89	229	20.1	7.65	12.0	335.9	273.9	0.645	0.258	5.89	7.53	4.93	18.17	49.29	16.19	11.43	G
8	17	89	229	23.1	7.37	19.4	29.7	270.2	0.584	0.209	8.39	9.85	10.37	34.50	36.58	13.72	4.83	G
8	18	89	230	2.1	6.70	17.5	101.6	258.6	0.730	0.198	5.33	8.53	16.19	28.95	12.58	3.21	39.06	G
8	18	89	230	5.1	7.06	18.7	198.4	239.0	0.624	0.248	6.74	14.22	19.89	12.12	34.96	15.69	17.34	G
8	18	89	230	8.1	7.74	21.0	301.9	283.2	0.826	0.371	4.79	6.74	6.74	15.78	26.15	17.78	33.55	G
8	18	89	230	11.1	7.59	24.4	3.0	269.0	0.767	0.395	5.39	4.74	14.93	9.20	12.87	50.55	12.46	G
8	18	89	230	14.1	6.85	22.6	108.9	275.5	0.663	0.255	5.45	5.12	8.11	16.16	10.33	56.66	8.74	G
8	18	89	230	17.1	7.02	18.9	194.3	188.9	0.873	0.897	4.88	4.74	1.22	3.07	5.26	80.96	9.50	G
8	18	89	230	20.1	7.72	13.9	286.0	316.4	0.596	0.354	5.07	7.53	9.68	9.79	26.24	31.68	22.61	G
8	18	89	230	23.1	7.63	12.3	22.2	251.8	0.592	0.305	6.10	14.22	15.00	22.61	21.54	31.85	9.00	G
8	19	89	231	2.1	6.89	19.9	84.8	262.1	0.617	0.201	5.63	14.22	16.27	23.45	11.54	29.94	18.81	G
8	19	89	231	5.1	6.90	12.9	172.3	209.2	0.581	0.198	5.33	11.64	5.75	24.66	24.35	12.03	33.21	G
8	19	89	231	8.1	7.62	19.5	280.2	274.6	0.768	0.275	6.65	6.10	14.34	10.09	43.23	22.23	10.11	M
8	19	89	231	11.1	7.65	20.0	6.7	272.8	0.617	0.242	6.32	6.10	11.34	9.92	41.59	32.27	4.87	G
8	19	89	231	14.1	6.92	17.2	65.6	250.3	0.740	0.221	6.92	7.53	5.51	27.17	52.09	11.52	3.71	G
8	19	89	231	17.1	6.79	11.5	150.3	296.2	0.706	0.161	6.74	7.53	10.79	24.61	44.67	12.27	7.65	G
8	19	89	231	20.1	7.46	12.9	271.2	271.5	0.758	0.248	6.10	5.57	6.92	6.55	36.51	42.07	7.95	G
8	19	89	231	23.1	7.61	19.3	353.4	293.4	0.541	0.215	7.21	7.53	14.16	23.76	37.69	19.86	4.53	G
8	20	89	232	2.1	6.94	16.5	77.8	264.6	0.762	0.181	7.76	6.74	15.70	32.78	37.74	10.34	3.45	G
8	20	89	232	5.1	6.73	17.4	157.8	286.8	0.702	0.097	7.42	11.64	13.49	48.60	16.09	9.86	11.95	G
8	20	89	232	8.1	7.35	12.3	262.3	277.9	0.666	0.122	6.10	5.57	7.33	29.12	10.83	41.35	11.37	G
8	20	89	232	11.1	7.64	11.3	337.5	310.7	0.564	0.147	7.11	11.64	7.31	41.30	17.71	20.92	12.76	G
8	20	89	232	14.1	7.10	10.9	57.1	272.1	0.570	0.147	9.31	9.85	29.76	35.19	15.39	14.87	4.80	G
8	20	89	232	17.1	6.69	15.2	148.6	304.7	0.611	0.083	9.31	11.64	17.15	62.22	9.75	4.34	6.55	G
8	20	89	232	20.1	7.13	10.1	206.2	290.8	0.620	0.143	8.68	9.85	4.85	59.00	16.58	15.12	4.44	G
8	20	89	232	23.1	7.51	3.5	359.5	287.3	0.681	0.205	8.13	9.85	6.15	65.17	10.61	9.79	8.28	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	21	89	233	2.1	7.04	10.4	68.5	253.5	0.749	0.163	8.39	9.85	13.82	55.01	8.13	11.72	11.32	G
8	21	89	233	5.1	6.53	17.3	149.6	266.9	0.773	0.113	5.82	9.85	10.48	49.53	5.99	3.88	30.12	G
8	21	89	233	8.1	6.92	13.2	198.5	282.5	0.564	0.151	6.83	8.53	17.08	39.69	24.18	5.78	13.27	G
8	21	89	233	11.1	7.58	7.6	298.0	284.1	0.777	0.186	7.11	9.85	2.95	36.61	29.09	20.42	10.93	G
8	21	89	233	14.1	7.19	7.7	31.1	258.6	0.679	0.149	8.39	11.64	27.20	27.70	27.56	9.46	8.09	G
8	21	89	233	17.1	6.62	16.3	108.7	272.5	0.630	0.126	5.45	9.85	7.76	45.95	11.02	14.67	20.60	G
8	21	89	233	20.1	6.62	12.3	175.3	261.1	0.720	0.110	6.92	9.85	21.05	42.62	16.52	6.12	13.68	G
8	21	89	233	23.1	7.34	8.5	295.9	296.0	0.727	0.146	7.11	8.53	12.63	50.71	14.89	15.57	6.19	G
8	22	89	234	2.1	7.15	5.0	47.8	264.6	0.685	0.128	7.31	9.85	6.12	43.31	22.98	19.48	8.11	G
8	22	89	234	5.1	6.56	12.2	134.2	73.5	0.906	0.081	7.11	9.85	5.93	55.41	12.99	18.60	7.07	G
8	22	89	234	8.1	6.79	10.6	163.6	296.1	0.615	0.128	6.92	7.53	5.40	29.42	40.57	13.26	11.35	G
8	22	89	234	11.1	7.47	8.2	297.3	293.6	0.742	0.151	6.56	7.53	12.79	21.22	32.26	25.92	7.81	G
8	22	89	234	14.1	7.55	15.7	21.7	250.5	0.610	0.151	8.00	7.53	12.76	26.68	42.64	13.90	4.02	G
8	22	89	234	17.1	7.00	9.0	64.8	255.4	0.773	0.108	8.13	9.85	17.91	44.40	17.36	11.53	8.80	G
8	22	89	234	20.1	6.48	6.5	146.2	273.8	0.669	0.185	17.66	8.53	84.88	7.36	5.24	1.47	1.05	G
8	22	89	234	23.1	7.34	3.0	310.3	284.1	0.621	0.125	9.85	8.53	50.47	18.03	19.17	8.85	3.49	G
8	23	89	235	2.1	7.19	6.6	14.4	254.9	0.688	0.096	8.26	14.22	22.27	33.30	22.70	15.03	6.70	G
8	23	89	235	5.1	6.86	11.9	87.9	283.0	0.578	0.090	9.31	9.85	20.55	58.37	10.83	3.79	6.46	G
8	23	89	235	8.1	6.83	11.0	162.0	74.8	0.906	0.095	6.74	7.53	9.12	31.85	41.93	9.07	8.04	S
8	23	89	235	11.1	7.20	6.2	262.9	255.4	0.672	0.099	7.64	6.74	21.48	21.81	31.22	17.37	8.11	G
8	23	89	235	14.1	7.54	8.2	5.4	308.5	0.532	0.158	8.13	9.85	33.75	28.51	18.04	13.53	6.18	G
8	23	89	235	17.1	7.14	7.8	53.9	243.3	0.671	0.121	8.83	11.64	26.18	40.29	15.73	13.11	4.69	G
8	23	89	235	20.1	7.00	7.8	106.7	257.7	0.639	0.087	9.48	9.85	20.51	59.65	10.19	3.71	5.93	G
8	23	89	235	23.1	7.37	2.3	111.3	271.9	0.683	0.143	11.64	8.53	42.90	31.05	18.53	5.15	2.37	G
8	24	89	236	2.1	7.28	4.1	36.6	285.2	0.602	0.124	11.91	8.53	47.57	29.60	11.16	8.00	3.68	G
8	24	89	236	5.1	7.20	5.7	83.7	277.2	0.625	0.118	9.14	9.85	12.05	70.35	9.05	3.04	5.51	G
8	24	89	236	8.1	7.14	9.1	138.4	253.4	0.719	0.132	4.61	9.85	22.37	22.95	2.50	7.17	45.01	G
8	24	89	236	11.1	7.37	3.5	204.3	305.0	0.577	0.175	5.33	9.85	9.08	29.52	11.26	13.18	36.97	G
8	24	89	236	14.1	8.23	4.9	342.5	297.0	0.633	0.258	13.84	4.13	75.36	7.23	2.06	10.42	4.93	G
8	24	89	236	17.1	7.20	13.2	18.2	281.1	0.570	0.172	6.74	9.85	28.49	22.88	14.41	22.88	11.33	G
8	24	89	236	20.1	7.30	7.7	86.1	248.5	0.763	0.161	5.82	14.22	19.19	22.48	6.83	25.02	26.48	G
8	24	89	236	23.1	7.09	4.7	133.0	75.5	0.874	0.146	6.83	11.64	23.76	33.39	5.47	10.21	27.18	G
8	25	89	237	2.1	7.19	1.2	71.6	270.3	0.751	0.165	7.64	9.85	28.30	27.90	15.63	15.36	12.81	G
8	25	89	237	5.1	7.12	5.1	71.3	251.2	0.831	0.213	9.31	9.85	52.77	17.93	4.16	9.35	15.77	G
8	25	89	237	8.1	6.95	8.3	119.1	232.4	0.639	0.128	5.95	9.85	15.83	37.93	8.43	21.13	16.68	G
8	25	89	237	11.1	7.78	7.5	154.6	262.1	0.712	0.133	7.11	14.22	35.03	26.30	5.63	19.33	13.71	G
8	25	89	237	14.1	7.88	1.0	48.7	273.7	0.691	0.178	7.11	14.22	37.55	17.58	8.21	21.73	14.93	G
8	25	89	237	17.1	7.60	3.2	48.6	311.2	0.627	0.197	7.01	5.57	18.35	12.42	7.79	53.72	7.73	G
8	25	89	237	20.1	6.79	11.1	76.9	250.8	0.731	0.174	8.98	9.85	50.93	20.39	3.55	21.34	3.79	G
8	25	89	237	23.1	6.53	5.6	106.7	259.4	0.760	0.122	6.92	11.64	30.42	27.42	3.85	33.27	5.03	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	26	89	238	2.1	7.25	3.4	93.7	270.5	0.688	0.167	7.21	11.64	23.31	45.02	5.62	16.75	9.30	G
8	26	89	238	5.1	7.36	4.7	61.9	250.2	0.876	0.166	7.88	6.10	17.88	30.63	19.23	23.24	9.03	G
8	26	89	238	8.1	6.62	6.9	89.4	236.0	0.758	0.132	7.88	14.22	32.08	34.07	12.64	14.25	6.96	G
8	26	89	238	11.1	7.40	6.5	142.9	240.0	0.579	0.108	8.68	14.22	34.10	36.80	12.11	9.82	7.17	G
8	26	89	238	14.1	7.45	2.6	143.4	283.8	0.653	0.124	7.21	11.64	17.09	35.62	16.46	22.79	8.05	G
8	26	89	238	17.1	7.54	3.0	62.9	260.6	0.642	0.154	7.76	11.64	19.06	40.94	8.97	18.98	12.06	G
8	26	89	238	20.1	6.90	7.4	53.9	248.1	0.679	0.135	8.83	14.22	32.71	29.72	22.12	8.78	6.68	G
8	26	89	238	23.1	6.51	5.9	115.1	235.0	0.713	0.101	8.98	9.85	17.45	48.97	18.16	9.93	5.49	G
8	27	89	239	2.1	7.30	2.9	132.3	284.6	0.628	0.122	7.21	11.64	6.32	39.63	23.78	20.67	9.60	G
8	27	89	239	5.1	7.47	2.0	81.9	265.4	0.653	0.148	7.42	11.64	19.28	49.01	14.53	9.58	7.59	G
8	27	89	239	8.1	6.89	5.3	80.2	280.7	0.658	0.151	10.67	11.64	65.63	16.98	7.23	5.93	4.23	G
8	27	89	239	11.1	6.85	6.3	135.5	246.5	0.652	0.112	8.68	11.64	26.53	29.27	28.07	10.83	5.29	G
8	27	89	239	14.1	7.53	5.0	147.8	285.0	0.574	0.131	7.31	9.85	21.05	47.05	8.58	12.13	11.18	G
8	27	89	239	17.1	7.56	2.8	55.2	286.8	0.627	0.140	7.01	11.64	27.49	25.94	11.35	21.50	13.72	G
8	27	89	239	20.1	7.10	8.3	24.1	237.2	0.614	0.136	9.31	9.85	42.28	30.78	17.29	6.49	3.15	G
8	27	89	239	23.1	6.85	7.4	86.7	255.9	0.649	0.111	9.66	11.64	24.71	42.53	21.59	7.13	4.04	G
8	28	89	240	2.1	6.62	3.4	119.7	253.8	0.699	0.113	9.66	11.64	18.68	49.81	16.68	8.38	6.45	G
8	28	89	240	5.1	7.56	1.1	65.7	284.7	0.610	0.148	6.56	9.85	9.32	37.90	22.47	23.74	6.56	G
8	28	89	240	8.1	7.26	4.5	48.3	280.7	0.525	0.144	6.83	4.74	11.44	21.45	21.27	36.04	9.79	G
8	28	89	240	11.1	7.05	8.6	99.6	302.5	0.637	0.096	7.42	11.64	15.58	45.43	15.31	15.84	7.83	G
8	28	89	240	14.1	7.04	2.9	114.5	79.0	0.874	0.117	5.95	8.53	12.84	35.93	14.85	15.17	21.21	G
8	28	89	240	17.1	7.27	1.5	88.5	265.5	0.649	0.169	6.17	8.53	5.86	33.82	11.28	32.16	16.89	G
8	28	89	240	20.1	7.47	3.7	67.4	246.2	0.688	0.131	6.74	7.53	13.43	23.15	27.10	20.57	15.74	G
8	28	89	240	23.1	8.14	8.4	81.3	244.4	0.680	0.110	8.00	11.64	27.83	42.98	12.31	10.12	6.76	G
8	29	89	241	2.1	6.09	4.3	141.7	242.4	0.716	0.099	9.31	8.53	24.51	46.27	15.15	7.87	6.20	G
8	29	89	241	5.1	6.31	0.4	327.2	273.0	0.617	0.140	6.48	11.64	4.17	37.18	15.92	30.77	11.96	G
8	29	89	241	8.1	6.56	3.5	46.3	250.2	0.580	0.146	6.40	5.57	12.57	26.65	10.91	44.10	5.76	G
8	29	89	241															M
8	29	89	241															M
8	29	89	241	15.5	6.93	17.0	181.3	329.4	0.759	0.171	7.21	9.85	14.50	30.92	17.90	32.69	3.99	G
8	29	89	241	18.5	7.43	20.7	327.0	295.9	0.765	0.239	6.92	11.64	7.88	38.72	13.15	29.17	11.09	G
8	29	89	241	21.5	7.22	12.7	17.9	293.0	0.724	0.185	6.74	11.64	15.52	35.96	18.98	16.05	13.49	G
8	30	89	242	0.5	6.60	29.6	140.8	151.1	0.909	0.150	7.53	11.64	20.71	36.81	14.07	16.15	12.26	S
8	30	89	242	3.5	6.68	28.1	174.3	151.1	0.844	0.175	5.89	11.64	13.02	23.34	22.39	22.15	19.10	S
8	30	89	242	6.5	7.21	17.9	277.3	311.9	0.700	0.232	5.57	5.57	5.68	22.48	14.83	34.68	22.33	G
8	30	89	242	9.5	7.12	13.5	326.4	329.3	0.798	0.196	6.92	11.64	7.02	26.54	30.92	17.75	17.77	G
8	30	89	242	12.5	6.62	27.5	144.6	145.4	0.892	0.146	8.00	11.64	18.28	37.38	25.62	11.67	7.06	S
8	30	89	242	15.5	6.72	27.2	158.1	325.3	0.693	0.140	8.39	9.85	23.10	43.77	6.60	21.04	5.48	G
8	30	89	242	18.5	7.32	10.7	284.0	292.8	0.807	0.263	6.02	14.22	27.14	20.33	8.63	31.31	12.59	G
8	30	89	242	21.5	7.29	21.3	17.2	283.9	0.751	0.199	6.40	5.57	17.86	19.13	9.28	43.22	10.50	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo (m)	Tz (sec)	Tp (sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
8	31	89	243	0.5	6.76	18.9	78.1	305.0	0.666	0.163	8.68	11.64	26.04	58.69	4.54	4.64	6.08	G
8	31	89	243	3.5	6.74	31.1	172.8	141.0	0.837	0.234	4.30	11.64	16.56	28.31	5.05	7.39	42.70	S
8	31	89	243	6.5	7.33	22.6	240.0	145.7	0.723	0.442	4.45	4.41	9.37	10.87	2.80	47.26	29.71	S
8	31	89	243	9.5	7.44	18.0	357.9	158.1	0.727	0.316	4.88	4.13	5.80	18.70	2.53	51.78	21.19	G
8	31	89	243	12.5	6.87	22.2	66.6	192.4	0.644	0.244	4.79	3.88	13.39	15.02	3.22	33.85	34.52	G
8	31	89	243	15.5	6.73	23.8	152.2	145.8	0.893	0.208	4.88	3.66	9.88	21.38	3.63	17.74	47.38	S
8	31	89	243	18.5	7.27	22.5	263.7	321.0	0.768	0.204	8.39	9.85	13.05	59.97	4.76	9.36	12.87	G
8	31	89	243	21.5	7.38	33.8	346.4	130.8	0.910	0.161	8.13	11.64	13.02	57.17	6.46	16.65	6.70	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	1	89	244	0.5	6.83	25.5	59.3	330.2	0.743	0.160	8.26	11.64	24.79	46.27	4.97	18.01	5.95	G
9	1	89	244	3.5	6.61	24.5	147.8	133.3	0.939	0.129	9.85	11.64	14.27	72.45	2.54	6.04	4.71	S
9	1	89	244	6.5	7.13	17.9	263.4	318.9	0.755	0.216	7.76	8.53	13.23	60.81	7.19	10.14	8.63	S
9	1	89	244	9.5	7.36	28.6	342.1	140.7	0.905	0.185	7.42	11.64	12.06	52.86	8.00	15.25	11.83	S
9	1	89	244	12.5	6.85	15.3	31.0	321.1	0.818	0.160	8.53	11.64	16.57	57.49	9.72	8.19	8.03	S
9	1	89	244	15.5	6.54	26.6	148.7	148.2	0.890	0.162	7.53	9.85	10.38	49.35	4.34	21.63	14.29	S
9	1	89	244	18.5	6.97	14.2	234.4	317.4	0.786	0.245	6.40	9.85	10.13	33.42	5.92	25.57	24.96	G
9	1	89	244	21.5	7.20	15.6	316.6	304.2	0.891	0.247	7.31	11.64	16.71	44.23	8.79	8.42	21.85	S
9	2	89	245	0.5	6.79	22.2	53.7	328.8	0.871	0.177	6.17	8.53	23.09	37.99	4.87	13.15	20.90	S
9	2	89	245	3.5	6.37	33.3	165.5	326.9	0.785	0.140	5.12	11.64	8.82	48.81	6.84	9.02	26.51	G
9	2	89	245	6.5	6.85	30.5	214.5	316.3	0.751	0.231	6.48	9.85	10.52	42.39	15.69	20.21	11.17	G
9	2	89	245	9.5	7.31	16.2	339.3	311.8	0.803	0.229	7.11	9.85	11.15	60.35	5.03	13.30	10.17	G
9	2	89	245	12.5	7.00	20.4	78.4	332.5	0.720	0.212	6.32	9.85	7.74	60.31	4.07	12.41	15.47	G
9	2	89	245	15.5	6.59	33.2	140.8	156.8	0.933	0.175	4.06	3.28	7.90	16.35	2.21	9.54	63.99	S
9	2	89	245	18.5	6.90	28.2	211.0	149.0	0.863	0.229	5.57	8.53	7.84	41.09	19.37	11.15	20.55	S
9	2	89	245	21.5	7.31	24.9	307.6	306.1	0.896	0.196	7.01	8.53	10.70	32.64	20.67	18.80	17.18	S
9	3	89	246	0.5	7.09	20.8	25.8	303.9	0.738	0.216	8.26	11.64	9.98	56.83	15.86	7.64	9.69	G
9	3	89	246	3.5	6.75	19.9	94.2	133.7	0.868	0.404	4.23	4.74	4.51	9.54	3.70	51.24	31.02	S
9	3	89	246	6.5	7.05	15.5	231.1	139.8	0.722	0.769	4.49	4.74	2.41	1.79	6.22	76.75	12.82	S
9	3	89	246	9.5	7.52	28.4	325.6	141.4	0.834	0.429	4.70	4.74	5.00	7.77	9.49	56.56	21.18	S
9	3	89	246	12.5	7.34	32.4	16.6	141.2	0.772	0.317	4.88	5.12	8.27	9.91	5.67	57.31	18.83	S
9	3	89	246	15.5	6.93	17.1	53.9	148.1	0.746	0.422	4.16	4.13	10.98	9.98	4.82	40.78	33.44	S
9	3	89	246	18.5	7.16	4.9	272.9	314.4	0.685	0.566	4.23	4.13	3.72	8.82	8.56	49.48	29.42	S
9	3	89	246	21.5	7.57	32.5	330.7	315.1	0.826	0.592	4.97	4.13	6.85	3.42	22.33	45.20	22.20	S
9	4	89	247	0.5	7.43	32.4	10.3	139.1	0.805	0.529	4.70	4.13	7.07	10.09	22.38	42.35	18.10	S
9	4	89	247	3.5	7.01	14.9	97.1	149.4	0.821	0.576	4.83	4.74	2.75	8.91	23.85	38.70	25.78	S
9	4	89	247	6.5	7.20	10.2	206.3	315.7	0.846	0.632	4.83	4.41	3.04	4.78	34.56	42.28	15.33	S
9	4	89	247	9.5	7.73	22.5	289.2	306.7	0.775	0.698	5.22	7.53	3.11	7.47	29.89	32.96	26.57	S
9	4	89	247	12.5	7.67	27.2	358.0	310.9	0.760	0.856	5.82	8.53	2.30	30.90	29.10	24.13	13.56	S
9	4	89	247	15.5	7.24	14.8	79.7	312.6	0.764	1.117	5.82	9.85	1.76	22.82	20.58	45.00	9.85	S
9	4	89	247	18.5	7.28	14.6	153.2	348.2	0.763	0.990	5.45	8.53	1.87	28.97	21.73	32.98	14.45	S
9	4	89	247	21.5	7.63	19.0	272.7	155.0	0.837	0.762	5.89	6.10	4.85	23.54	34.24	25.42	11.94	S
9	5	89	248	0.5	7.61	10.2	356.3	323.9	0.802	0.793	6.17	9.85	3.18	29.86	24.38	30.05	12.54	S
9	5	89	248	3.5	7.21	16.4	105.1	335.2	0.781	0.596	6.02	8.53	3.95	23.49	21.37	28.57	22.61	S
9	5	89	248	6.5	7.21	14.0	170.1	344.5	0.835	0.538	5.82	8.53	3.36	42.36	18.09	20.26	15.92	S
9	5	89	248	9.5	7.67	8.9	280.4	331.7	0.834	0.685	6.10	8.53	9.73	21.35	25.60	22.65	20.67	S
9	5	89	248	12.5	7.68	11.6	356.4	328.3	0.818	0.552	6.83	8.53	5.71	32.17	26.19	27.54	8.39	S
9	5	89	248	15.5	7.23	15.3	68.3	336.4	0.849	0.483	7.21	9.85	13.14	43.54	15.61	12.27	15.45	S
9	5	89	248	18.5	7.13	12.2	140.0	165.1	0.893	0.420	7.01	18.29	31.07	19.27	13.15	22.64	13.87	S
9	5	89	248	21.5	7.48	8.0	217.0	336.4	0.854	0.606	7.21	8.53	18.30	30.47	15.37	25.30	10.56	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	6	89	249	0.5	7.57	4.8	5.9	334.4	0.797	0.586	8.13	18.29	33.98	22.29	17.66	14.45	11.62	S
9	6	89	249	3.5	7.20	13.3	88.3	339.6	0.822	0.434	8.26	18.29	28.77	33.99	13.10	9.78	14.36	S
9	6	89	249	6.5	7.07	12.4	141.0	166.4	0.887	0.421	7.88	18.29	32.84	17.43	21.99	13.89	13.86	S
9	6	89	249	9.5	7.45	9.9	239.9	340.8	0.827	0.549	8.53	14.22	30.29	29.90	16.70	10.53	12.58	S
9	6	89	249	12.5	7.63	7.9	286.9	152.2	0.834	0.493	8.68	14.22	45.29	18.65	13.34	16.14	6.57	S
9	6	89	249	15.5	7.29	13.1	58.2	336.4	0.813	0.568	9.66	14.22	38.59	17.85	20.03	15.86	7.67	S
9	6	89	249	18.5	7.07	14.0	109.2	337.2	0.831	0.499	7.01	8.53	26.75	23.11	25.00	8.57	16.57	S
9	6	89	249	21.5	7.31	16.1	195.4	339.5	0.848	0.558	7.42	14.22	45.19	16.87	13.89	18.29	5.77	S
9	7	89	250	0.5	7.49	14.1	313.6	333.0	0.874	0.563	7.64	18.29	28.28	31.48	21.66	10.66	7.92	S
9	7	89	250	3.5	7.23	11.2	67.4	328.9	0.844	0.553	8.83	14.22	52.64	18.39	13.42	7.61	7.94	S
9	7	89	250	6.5	7.01	16.7	142.2	343.3	0.858	0.496	9.66	14.22	53.40	20.52	9.49	6.87	9.72	S
9	7	89	250	9.5	7.31	17.1	222.4	337.9	0.867	0.601	9.85	11.64	38.96	38.76	7.06	7.57	7.64	S
9	7	89	250	12.5	7.60	9.1	300.0	331.6	0.881	0.538	8.83	14.22	32.10	27.08	22.97	13.67	4.18	S
9	7	89	250	15.5	7.38	10.0	356.7	332.3	0.858	0.518	8.98	11.64	30.64	46.04	9.56	9.31	4.45	S
9	7	89	250	18.5	7.03	14.7	121.0	330.4	0.835	0.573	10.04	14.22	38.20	36.40	16.68	4.87	3.85	S
9	7	89	250	21.5	7.11	5.7	165.7	333.3	0.820	0.514	10.04	14.22	45.29	27.42	13.58	11.35	2.36	S
9	8	89	251	0.5	7.40	8.5	342.9	333.4	0.852	0.556	10.04	14.22	43.84	30.01	10.16	12.20	3.79	S
9	8	89	251	3.5	7.24	9.1	9.3	331.1	0.860	0.437	9.66	11.64	34.85	41.78	7.74	13.58	2.04	S
9	8	89	251	6.5	6.97	10.1	105.3	338.6	0.841	0.490	11.64	14.22	43.53	41.42	8.70	4.77	1.59	S
9	8	89	251	9.5	7.12	2.0	232.3	334.9	0.850	0.442	11.38	14.22	49.04	37.92	5.27	5.40	2.37	S
9	8	89	251	12.5	7.49	8.4	342.9	331.7	0.848	0.490	8.83	14.22	44.62	29.70	8.72	13.61	3.34	S
9	8	89	251	15.5	7.41	12.9	25.7	328.0	0.819	0.467	11.91	18.29	57.41	15.78	20.22	4.16	2.43	S
9	8	89	251	18.5	7.04	11.3	63.5	336.6	0.872	0.432	11.13	11.64	42.28	40.46	10.23	4.97	2.07	S
9	8	89	251	21.5	6.98	5.0	166.1	339.6	0.818	0.385	9.48	9.85	23.01	44.01	22.16	8.18	2.64	S
9	9	89	252	0.5	7.28	8.2	326.5	328.8	0.830	0.418	8.83	11.64	30.02	43.02	12.10	10.83	4.02	S
9	9	89	252	3.5	7.25	9.3	9.0	336.2	0.912	0.364	10.45	14.22	50.41	32.64	7.95	6.45	2.55	S
9	9	89	252	6.5	6.96	4.0	111.0	332.5	0.818	0.332	10.04	14.22	50.07	19.21	13.90	14.44	2.37	S
9	9	89	252	9.5	6.94	12.7	159.8	347.0	0.924	0.286	10.24	9.85	33.33	42.34	11.89	10.20	2.24	S
9	9	89	252	12.5	7.33	8.7	297.9	335.6	0.865	0.431	9.66	14.22	40.64	39.49	8.07	9.68	2.12	S
9	9	89	252	15.5	7.43	14.1	352.1	158.1	0.908	0.477	10.45	14.22	54.27	29.42	7.00	7.46	1.84	S
9	9	89	252	18.5	7.10	12.4	55.7	340.7	0.833	0.434	10.04	14.22	35.28	48.15	9.88	4.84	1.84	S
9	9	89	252	21.5	6.87	10.9	126.6	347.2	0.913	0.401	10.67	11.64	37.29	39.18	18.81	3.02	1.70	S
9	10	89	253	0.5	7.11	5.3	275.1	337.9	0.832	0.418	11.64	14.22	39.91	39.59	11.50	7.29	1.71	S
9	10	89	253	3.5	7.27	5.4	329.7	159.3	0.868	0.398	9.31	14.22	54.34	18.59	17.27	8.60	1.20	S
9	10	89	253	6.5	7.04	4.9	69.6	339.7	0.887	0.307	11.91	14.22	36.90	35.96	15.55	9.42	2.17	S
9	10	89	253	9.5	6.86	13.7	149.0	349.1	0.923	0.285	10.04	14.22	56.69	21.47	7.29	12.70	1.84	S
9	10	89	253	12.5	7.16	8.1	198.8	347.3	0.933	0.326	10.04	11.64	33.96	52.83	6.57	4.92	1.73	S
9	10	89	253	15.5	7.48	12.8	350.5	161.4	0.908	0.320	8.00	9.85	17.19	48.53	19.70	10.05	4.54	S
9	10	89	253	18.5	7.25	14.1	27.4	332.2	0.870	0.292	9.66	11.64	16.03	57.78	16.33	7.51	2.35	S
9	10	89	253	21.5	6.85	10.6	113.3	345.1	0.886	0.228	10.24	14.22	49.29	23.14	16.68	8.32	2.57	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	11	89	254	0.5	7.00	8.5	200.7	348.9	0.921	0.233	10.04	11.64	21.06	58.10	12.84	5.86	2.14	S
9	11	89	254	3.5	7.31	12.1	306.5	342.6	0.911	0.242	9.31	11.64	6.39	57.43	12.11	19.10	4.96	S
9	11	89	254	6.5	7.18	8.9	57.9	340.2	0.854	0.216	9.31	11.64	23.35	56.21	8.75	7.97	3.72	S
9	11	89	254	9.5	6.82	25.3	133.9	351.4	0.930	0.219	10.89	11.64	20.66	60.89	10.28	5.49	2.68	S
9	11	89	254	12.5	6.98	20.2	184.5	348.2	0.921	0.197	9.66	11.64	15.33	69.11	6.10	6.05	3.42	S
9	11	89	254	15.5	7.43	6.1	273.1	338.1	0.860	0.248	7.76	7.53	12.57	35.31	25.82	19.74	6.57	S
9	11	89	254	18.5	7.40	10.2	21.3	161.4	0.906	0.199	9.31	11.64	19.87	60.17	7.78	6.86	5.33	S
9	11	89	254	21.5	6.92	9.6	104.8	340.5	0.897	0.149	9.31	11.64	23.53	61.85	8.52	3.48	2.62	S
9	12	89	255	0.5	6.93	11.4	165.0	349.5	0.951	0.166	10.04	9.85	11.24	78.15	6.83	1.56	2.22	S
9	12	89	255	3.5	7.34	8.3	257.2	351.8	0.929	0.154	8.98	9.85	9.96	48.67	29.00	9.17	3.21	S
9	12	89	255	6.5	7.43	11.0	2.4	164.6	0.947	0.191	8.98	11.64	2.97	83.66	6.14	3.47	3.76	S
9	12	89	255	9.5	6.97	19.2	103.6	339.1	0.737	0.169	7.53	14.22	27.40	34.22	6.68	15.22	16.48	S
9	12	89	255	12.5	6.90	22.9	160.8	345.7	0.825	0.184	6.48	8.53	5.44	50.69	15.30	4.07	24.51	S
9	12	89	255	15.5	7.44	9.1	220.4	351.6	0.967	0.189	6.92	8.53	10.19	36.13	27.18	12.82	13.68	S
9	12	89	255	18.5	7.65	13.7	355.9	160.2	0.931	0.204	8.68	9.85	9.06	66.22	11.81	5.16	7.74	S
9	12	89	255	21.5	7.14	18.5	46.8	158.8	0.878	0.179	7.88	9.85	8.12	66.55	3.87	4.01	17.45	S
9	13	89	256	0.5	6.84	12.8	125.4	169.0	0.966	0.136	7.31	9.85	25.80	49.93	4.76	4.25	15.26	S
9	13	89	256	3.5	7.28	12.1	230.1	167.9	0.965	0.156	7.76	6.74	11.56	34.06	36.40	9.72	8.26	S
9	13	89	256	6.5	7.53	8.7	316.0	158.8	0.924	0.169	7.64	8.53	18.07	49.00	19.05	6.93	6.96	S
9	13	89	256	9.5	7.13	15.9	49.5	300.1	0.676	0.143	8.98	9.85	27.50	36.61	26.52	4.10	5.27	G
9	13	89	256	12.5	6.78	21.3	145.0	352.8	0.824	0.140	6.65	11.64	12.44	41.80	12.00	10.90	22.86	G
9	13	89	256	15.5	7.23	11.4	196.8	353.3	0.877	0.241	4.74	6.74	8.88	16.79	26.74	25.27	22.31	G
9	13	89	256	18.5	7.68	12.7	326.4	320.4	0.698	0.182	6.32	8.53	12.01	33.27	29.49	14.21	11.03	G
9	13	89	256	21.5	7.29	22.9	11.7	164.2	0.921	0.182	5.95	11.64	14.66	30.97	16.53	13.55	24.29	S
9	14	89	257	0.5	6.76	21.9	130.7	354.1	0.741	0.141	6.10	11.64	9.87	36.50	15.87	17.22	20.54	G
9	14	89	257	3.5	7.12	17.9	193.1	316.3	0.723	0.322	4.27	3.88	8.86	6.87	10.85	42.40	31.02	G
9	14	89	257	6.5	7.65	6.9	310.3	316.2	0.686	0.298	4.88	6.10	13.16	14.36	24.08	29.81	18.58	G
9	14	89	257	9.5	7.31	16.6	12.8	163.3	0.928	0.233	6.56	6.10	11.28	18.78	33.69	28.75	7.49	S
9	14	89	257	12.5	6.68	24.4	142.5	329.2	0.681	0.144	6.24	9.85	13.80	28.07	17.88	30.27	9.98	G
9	14	89	257	15.5	6.97	28.0	184.9	345.3	0.759	0.253	5.95	6.10	2.71	4.72	41.91	44.79	5.87	G
9	14	89	257	18.5	7.60	6.7	322.2	291.8	0.810	0.347	5.28	5.12	3.62	5.32	27.76	50.16	13.14	G
9	14	89	257	21.5	7.34	9.5	28.9	161.7	0.956	0.219	6.92	8.53	11.77	24.85	44.11	9.97	9.30	S
9	15	89	258	0.5	6.61	17.9	118.9	317.5	0.767	0.119	7.31	8.53	17.04	32.29	29.93	11.93	8.82	G
9	15	89	258	3.5	6.77	22.4	188.6	349.3	0.764	0.177	6.56	6.74	5.99	11.33	46.42	29.51	6.74	G
9	15	89	258	6.5	7.49	11.8	304.6	306.4	0.751	0.304	5.45	5.57	6.63	4.34	26.26	46.68	16.09	G
9	15	89	258	9.5	7.40	17.4	4.0	292.2	0.601	0.222	6.32	7.53	7.19	11.82	47.84	22.28	10.86	G
9	15	89	258	12.5	6.71	13.0	112.0	314.8	0.714	0.183	6.56	7.53	2.68	26.29	41.40	13.12	16.50	G
9	15	89	258	15.5	6.73	32.3	171.7	300.6	0.713	0.144	4.79	6.10	8.14	7.69	38.25	18.79	27.12	G
9	15	89	258	18.5	7.46	6.6	249.7	340.9	0.611	0.282	5.63	5.57	3.84	6.99	38.62	42.38	8.16	G
9	15	89	258	21.5	7.51	9.3	0.5	164.4	0.959	0.227	5.75	5.57	10.43	7.55	31.19	37.71	13.12	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	16	89	259	0.5	6.78	15.4	103.1	293.6	0.824	0.153	7.21	8.53	12.28	38.13	19.18	23.51	6.90	G
9	16	89	259	3.5	6.70	16.9	158.6	309.8	0.724	0.101	6.32	7.53	6.46	33.26	28.67	16.56	15.05	G
9	16	89	259	6.5	7.48	8.9	292.0	315.7	0.701	0.251	4.92	4.41	2.39	11.73	26.04	43.56	16.27	G
9	16	89	259	9.5	7.68	30.7	0.8	339.7	0.834	0.211	5.63	8.53	7.54	19.64	20.45	38.92	13.44	S
9	16	89	259	12.5	6.98	15.5	39.5	343.9	0.923	0.172	7.31	9.85	17.06	38.04	18.71	19.81	6.38	S
9	16	89	259	15.5	6.69	20.4	149.6	319.7	0.617	0.119	7.31	6.74	6.39	32.90	41.44	12.61	6.65	G
9	16	89	259	18.5	7.27	7.4	265.2	343.3	0.864	0.367	4.97	4.74	3.48	7.61	20.13	54.20	14.57	S
9	16	89	259	21.5	7.52	22.5	351.8	162.4	0.931	0.230	5.63	8.53	5.79	29.11	19.11	29.87	16.11	S
9	17	89	260	0.5	7.05	14.7	30.5	165.2	0.952	0.195	7.31	8.53	15.96	30.32	24.93	13.72	15.07	S
9	17	89	260	3.5	6.66	26.5	149.1	325.7	0.680	0.080	7.76	14.22	23.64	29.04	23.96	11.96	11.40	G
9	17	89	260	6.5	7.38	15.3	245.4	337.7	0.593	0.208	6.65	7.53	5.66	14.65	49.45	20.07	10.19	G
9	17	89	260	9.5	7.84	9.6	334.8	343.0	0.907	0.281	6.48	7.53	4.74	17.02	48.96	20.76	8.52	S
9	17	89	260	12.5	7.32	14.3	25.5	166.0	0.973	0.205	8.13	8.53	14.51	32.52	35.20	13.23	4.54	S
9	17	89	260	15.5	6.74	17.9	126.9	312.3	0.681	0.095	7.31	8.53	8.80	41.27	20.45	20.81	8.67	G
9	17	89	260	18.5	7.15	15.7	220.5	355.5	0.925	0.227	6.56	7.53	9.57	11.12	41.50	31.37	6.44	S
9	17	89	260	21.5	7.68	9.5	315.1	345.6	0.950	0.297	7.42	14.22	26.33	8.71	32.03	25.84	7.08	S
9	18	89	261	0.5	7.28	9.2	39.8	345.0	0.876	0.190	7.64	7.53	17.91	20.18	36.48	21.80	3.63	S
9	18	89	261	3.5	6.80	24.8	140.8	338.0	0.710	0.134	5.12	18.29	25.59	8.17	22.36	9.02	34.86	G
9	18	89	261	6.5	7.17	15.0	217.8	177.2	0.859	0.299	4.45	11.64	11.26	21.83	22.55	14.46	29.91	G
9	18	89	261	9.5	7.84	14.0	317.8	166.3	0.942	0.296	5.57	5.57	18.82	15.25	19.91	32.15	13.87	S
9	18	89	261	12.5	7.57	16.3	21.5	167.6	0.929	0.268	6.24	14.22	38.91	7.15	8.16	16.53	29.24	S
9	18	89	261	15.5	6.93	9.7	112.6	307.1	0.575	0.465	4.49	4.13	18.51	4.79	3.50	51.56	21.65	G
9	18	89	261	18.5	7.11	12.5	195.7	169.4	0.614	0.537	4.74	4.13	22.75	4.16	5.81	38.83	28.45	G
9	18	89	261	21.5	7.78	13.8	309.1	320.6	0.651	0.851	5.63	5.57	18.57	5.49	19.01	45.17	11.76	G
9	19	89	262	0.5	7.70	17.0	6.8	171.4	0.634	1.007	5.75	4.74	6.82	4.32	30.04	54.07	4.74	G
9	19	89	262	3.5	7.21	12.8	96.7	160.9	0.719	1.039	5.39	4.74	13.32	8.50	19.34	45.06	13.77	G
9	19	89	262	6.5	7.39	13.8	207.1	181.9	0.658	1.176	5.22	5.57	5.51	4.46	16.26	59.52	14.25	G
9	19	89	262	9.5	8.02	13.8	304.1	151.0	0.697	0.769	5.75	5.57	12.16	14.00	23.15	40.17	10.51	G
9	19	89	262	12.5	7.93	15.7	4.6	163.4	0.623	0.571	6.56	5.57	15.35	11.71	28.34	38.45	6.16	G
9	19	89	262	15.5	7.21	12.4	70.7	304.8	0.674	0.454	6.83	9.85	12.02	33.11	16.92	30.27	7.68	G
9	19	89	262	18.5	7.02	11.5	139.8	297.0	0.814	0.375	7.88	11.64	12.80	34.72	19.43	25.89	7.15	G
9	19	89	262	21.5	7.52	2.9	280.2	299.4	0.842	0.625	6.02	5.12	5.27	24.66	22.05	38.27	9.75	G
9	20	89	263	0.5	7.66	8.7	345.7	303.1	0.781	0.534	6.92	8.53	5.20	50.12	13.49	20.79	10.39	G
9	20	89	263	3.5	7.14	6.8	113.8	307.5	0.848	0.329	7.64	8.53	5.40	45.19	19.73	24.88	4.80	G
9	20	89	263	6.5	6.97	14.7	147.5	290.1	0.861	0.235	6.56	8.53	2.71	36.85	37.57	15.61	7.26	G
9	20	89	263	9.5	7.58	6.0	242.2	307.6	0.759	0.443	6.32	5.12	4.59	21.67	32.27	32.73	8.74	G
9	20	89	263	12.5	7.85	4.8	356.4	299.1	0.791	0.410	6.83	9.85	5.05	37.87	21.82	22.99	12.28	G
9	20	89	263	15.5	7.35	7.6	48.1	313.9	0.717	0.336	7.64	9.85	5.99	56.18	15.00	13.08	9.75	G
9	20	89	263	18.5	6.99	15.0	136.8	305.6	0.849	0.232	6.92	9.85	12.85	30.78	25.79	16.14	14.45	G
9	20	89	263	21.5	7.27	10.2	210.8	314.3	0.767	0.319	6.56	9.85	3.52	48.15	14.31	26.21	7.82	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	21	89	264	0.5	7.62	2.5	203.4	305.7	0.772	0.409	6.74	8.53	2.54	48.96	21.50	20.13	6.86	G
9	21	89	264	3.5	7.24	4.1	103.7	314.4	0.862	0.276	8.13	9.85	9.26	38.61	27.30	20.20	4.63	G
9	21	89	264	6.5	6.94	13.4	137.2	307.8	0.816	0.212	7.21	7.53	11.02	23.20	40.67	19.80	5.31	G
9	21	89	264	9.5	7.27	12.0	221.2	312.2	0.713	0.355	7.53	11.64	18.08	33.61	22.93	20.93	4.45	G
9	21	89	264	12.5	7.71	6.5	310.9	308.8	0.833	0.531	7.88	7.53	20.27	21.94	25.49	24.90	7.40	G
9	21	89	264	15.5	7.43	10.7	35.8	319.5	0.713	0.451	9.14	14.22	51.43	18.86	15.05	7.17	7.50	G
9	21	89	264	18.5	6.98	4.4	97.9	319.8	0.884	0.435	7.01	14.22	26.27	29.88	14.60	16.33	12.92	G
9	21	89	264	21.5	7.07	6.2	179.3	301.9	0.777	0.512	5.51	4.74	9.57	15.48	14.61	39.70	20.64	G
9	22	89	265	0.5	7.49	8.6	304.3	304.2	0.827	0.680	5.39	4.74	11.64	16.77	13.42	42.50	15.67	G
9	22	89	265	3.5	7.36	11.0	10.6	308.3	0.813	0.679	5.57	4.74	16.87	10.82	12.44	49.10	10.78	G
9	22	89	265	6.5	6.94	6.2	67.7	318.6	0.828	0.557	5.07	5.57	13.10	14.84	22.01	33.87	16.19	G
9	22	89	265	9.5	6.99	0.4	258.9	312.3	0.848	0.553	5.33	4.74	6.45	17.46	23.28	34.84	17.97	G
9	22	89	265	12.5	7.40	15.6	320.3	312.7	0.814	0.779	5.95	5.12	3.07	27.76	16.30	41.48	11.40	G
9	22	89	265	15.5	7.35	19.3	13.3	313.8	0.690	0.615	5.45	11.64	7.01	32.12	19.98	23.65	17.24	G
9	22	89	265	18.5	6.99	15.8	38.8	320.5	0.728	0.448	6.65	11.64	11.65	33.38	22.56	16.64	15.76	G
9	22	89	265	21.5	6.77	7.6	136.3	314.9	0.775	0.351	5.22	5.12	5.12	22.45	10.29	27.16	34.98	G
9	23	89	266	0.5	7.07	4.9	224.1	332.1	0.741	0.351	6.65	6.10	2.62	28.31	34.24	21.40	13.43	G
9	23	89	266	3.5	7.18	3.2	229.8	314.2	0.677	0.289	6.65	11.64	7.37	47.31	17.39	16.58	11.35	G
9	23	89	266	6.5	6.87	4.6	177.5	313.1	0.730	0.219	7.21	9.85	6.47	45.01	21.30	10.91	16.31	G
9	23	89	266	9.5	6.75	15.1	163.6	284.2	0.776	0.165	6.83	8.53	10.85	37.12	28.16	10.76	13.11	G
9	23	89	266	12.5	7.07	12.2	210.2	298.5	0.743	0.313	6.83	6.74	2.67	35.25	37.49	13.61	10.97	G
9	23	89	266	15.5	7.31	1.3	298.3	307.4	0.800	0.301	6.92	9.85	3.50	54.02	15.54	20.17	6.78	S
9	23	89	266	18.5	7.52	20.5	176.0	176.3	0.808	1.127	4.74	4.74	1.17	2.90	4.37	84.77	6.79	G
9	23	89	266	21.5	7.01	33.5	154.6	172.4	0.811	0.849	4.97	6.10	1.74	2.22	37.45	42.35	16.24	G
9	24	89	267	0.5	7.26	12.9	207.5	180.0	0.687	0.677	5.17	5.57	2.13	3.30	21.29	59.96	13.32	G
9	24	89	267	3.5	7.63	6.0	317.5	160.3	0.761	0.636	5.28	6.10	2.15	13.72	33.96	37.90	12.28	G
9	24	89	267	6.5	7.44	7.5	22.7	167.5	0.688	0.873	5.17	5.57	2.44	4.36	7.99	76.96	8.25	G
9	24	89	267	9.5	7.09	10.5	120.1	167.9	0.780	1.007	5.33	5.57	1.16	3.05	12.60	75.91	7.28	G
9	24	89	267	12.5	7.20	2.3	215.9	160.8	0.700	0.568	5.17	5.57	1.99	5.72	27.25	50.36	14.67	G
9	24	89	267	15.5	7.53	14.6	326.1	159.7	0.865	0.342	5.57	8.53	3.52	24.88	15.69	47.46	8.45	G
9	24	89	267	18.5	7.42	14.7	21.9	168.4	0.812	0.262	4.92	4.74	4.38	12.21	16.01	45.96	21.43	G
9	24	89	267	21.5	6.99	6.9	56.0	159.8	0.849	0.209	5.22	4.13	6.18	24.70	7.80	35.65	25.66	S
9	25	89	268	0.5	7.05	3.8	158.9	325.0	0.825	0.200	4.79	5.57	7.14	13.38	13.70	27.47	38.31	S
9	25	89	268	3.5	7.43	4.1	302.7	320.0	0.793	0.292	5.02	7.53	4.55	27.41	18.84	31.54	17.66	G
9	25	89	268	6.5	7.43	6.1	32.4	332.2	0.774	0.276	6.17	9.85	5.28	37.62	11.45	21.26	24.40	G
9	25	89	268	9.5	7.03	5.7	106.8	330.3	0.787	0.311	4.83	3.66	2.61	12.38	11.41	32.16	41.45	G
9	25	89	268	12.5	7.03	7.3	160.4	299.6	0.757	0.337	4.79	5.57	6.27	14.52	16.12	35.91	27.18	G
9	25	89	268	15.5	7.48	3.8	289.9	316.0	0.795	0.374	5.63	5.57	3.16	14.16	20.57	38.01	24.09	G
9	25	89	268	18.5	7.58	8.8	359.6	319.8	0.777	0.423	4.92	6.10	3.35	13.71	25.59	31.88	25.47	G
9	25	89	268	21.5	7.19	9.2	48.5	321.3	0.793	0.551	4.97	4.74	2.91	12.13	25.72	47.47	11.77	S

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
9	26	89	269	0.5	7.00	1.2	144.9	317.3	0.824	0.455	5.51	8.53	2.18	15.39	28.03	36.92	17.48	G
9	26	89	269	3.5	7.31	2.3	265.1	313.2	0.828	0.427	6.02	6.10	2.24	9.81	52.40	28.40	7.16	G
9	26	89	269	6.5	7.44	2.6	318.8	315.3	0.837	0.310	6.65	8.53	3.03	27.20	38.36	26.83	4.57	S
9	26	89	269	9.5	7.16	6.9	114.3	314.2	0.891	0.201	6.83	9.85	3.19	40.34	29.15	16.82	10.50	G
9	26	89	269	12.5	6.90	14.6	160.6	289.9	0.662	0.251	4.79	4.41	5.46	18.32	8.71	37.70	29.81	G
9	26	89	269	15.5	7.37	5.9	235.3	315.0	0.837	0.254	5.69	7.53	4.93	23.15	41.81	17.80	12.32	G
9	26	89	269	18.5	7.68	4.6	317.9	324.5	0.853	0.233	6.83	7.53	5.73	26.91	42.20	13.71	11.46	G
9	26	89	269	21.5	7.37	5.4	49.1	142.8	0.825	0.405	5.17	7.53	5.08	9.32	33.34	34.93	17.33	S
9	27	89	270	0.5	7.10	15.8	148.2	163.7	0.791	0.746	4.49	4.74	2.84	2.53	5.07	74.43	15.13	S
9	27	89	270	3.5	7.51	10.5	204.2	176.5	0.728	0.696	4.74	5.12	3.10	2.17	19.10	60.78	14.85	G
9	27	89	270	6.5	7.90	4.3	295.2	163.9	0.827	0.840	5.22	5.57	2.02	3.47	19.11	64.37	11.04	G
9	27	89	270	9.5	7.63	4.7	44.2	157.4	0.801	0.966	5.45	6.10	1.12	3.41	49.30	34.98	11.19	S
9	27	89	270	12.5	7.17	10.0	110.6	137.1	0.799	0.571	5.07	7.53	1.93	13.07	35.14	34.76	15.09	S
9	27	89	270	15.5	7.39	2.1	195.7	326.8	0.846	0.508	5.57	7.53	2.42	12.34	36.05	31.96	17.24	G
9	27	89	270	18.5	7.76	8.7	329.1	326.6	0.822	0.380	5.75	6.10	3.03	18.14	34.79	30.32	13.72	G
9	27	89	270	21.5	7.49	13.9	35.2	323.2	0.727	0.289	5.95	8.53	2.60	32.48	19.14	25.15	20.63	S
9	28	89	271	0.5	7.01	5.6	119.0	321.8	0.927	0.202	5.45	9.85	3.95	27.05	24.61	19.01	25.37	S
9	28	89	271	3.5	7.20	6.1	179.6	321.3	0.822	0.227	5.28	4.41	5.18	16.01	23.92	37.98	16.92	S
9	28	89	271	6.5	7.69	5.3	292.4	324.1	0.887	0.238	6.10	8.53	3.42	24.75	30.05	27.38	14.40	G
9	28	89	271															M
9	28	89	271	13.4	6.78	33.5	147.2	293.7	0.635	0.156	6.24	7.88	4.14	19.14	36.86	28.61	11.25	G
9	28	89	271	16.4	7.15	23.2	226.8	290.2	0.826	0.230	6.10	6.48	3.06	14.06	42.49	32.90	7.48	G
9	28	89	271	19.4	7.43	21.3	318.7	288.8	0.834	0.243	6.08	7.21	3.92	17.34	32.46	34.63	11.65	G
9	28	89	271	22.4	7.05	17.8	44.7	286.2	0.738	0.202	6.48	9.31	4.41	30.88	26.56	30.36	7.80	G
9	29	89	272	1.4	6.66	21.4	142.7	283.8	0.736	0.131	7.31	8.68	4.41	40.20	29.50	21.79	4.10	G
9	29	89	272	4.4	7.05	17.3	240.3	282.8	0.862	0.234	6.59	6.02	2.05	20.34	44.84	29.92	2.87	G
9	29	89	272	7.4	7.44	21.8	313.1	285.0	0.871	0.286	6.06	6.17	4.36	7.49	33.43	49.35	5.37	G
9	29	89	272	10.4	7.08	19.0	41.2	288.1	0.815	0.231	6.36	6.02	2.80	20.66	33.60	38.75	4.19	G
9	29	89	272	13.4	6.58	29.6	135.7	296.8	0.818	0.128	7.24	8.68	5.94	32.76	35.16	20.37	5.77	G
9	29	89	272	16.4	6.82	29.4	195.5	287.5	0.729	0.166	6.67	7.01	5.91	12.24	47.92	30.20	3.73	G
9	29	89	272	19.4	7.26	13.4	294.4	295.3	0.849	0.226	6.06	6.65	5.06	12.49	34.47	39.61	8.36	G
9	29	89	272	22.4	7.00	7.0	18.5	280.2	0.811	0.197	7.11	8.39	7.87	29.94	33.87	24.50	3.82	G
9	30	89	273	1.4	6.50	29.5	149.7	292.4	0.693	0.114	7.47	8.13	6.15	35.48	40.79	14.91	2.67	G
9	30	89	273	4.4	6.78	32.6	201.6	290.4	0.795	0.140	6.78	5.89	3.60	12.92	46.31	35.26	1.91	G
9	30	89	273	7.4	7.34	21.5	267.7	287.5	0.820	0.298	5.74	6.65	3.93	8.89	43.54	34.41	9.23	G
9	30	89	273	10.4	7.17	18.6	33.2	295.6	0.791	0.232	6.52	8.13	6.79	23.95	28.42	27.20	13.65	G
9	30	89	273	13.4	6.60	25.5	119.4	298.1	0.674	0.180	6.04	7.88	12.02	27.94	25.10	14.11	20.83	G
9	30	89	273	16.4	6.78	24.6	187.3	291.1	0.824	0.192	6.40	6.83	2.68	20.82	51.45	13.40	11.65	G
9	30	89	273	19.4	7.29	26.5	297.6	286.6	0.847	0.248	6.36	6.83	4.42	16.24	44.81	22.65	11.88	G
9	30	89	273	22.4	7.22	31.1	15.5	298.3	0.786	0.203	6.52	11.38	5.46	33.01	31.81	19.38	10.34	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	1	89	274	1.4	6.74	16.6	69.8	286.5	0.774	0.197	6.50	6.48	6.03	29.14	27.40	20.29	17.14	G
10	1	89	274	4.4	6.88	8.6	262.9	300.9	0.873	0.191	6.63	10.45	5.62	28.70	25.94	27.97	11.77	G
10	1	89	274	7.4	7.43	28.0	310.6	291.0	0.855	0.215	6.54	10.04	3.34	29.39	32.36	26.24	8.67	G
10	1	89	274	10.4	7.44	42.4	354.6	300.7	0.678	0.188	7.04	7.42	6.15	25.84	33.18	24.91	9.92	G
10	1	89	274	13.4	6.88	10.0	60.4	293.3	0.799	0.173	8.09	8.13	6.05	52.54	24.54	9.67	7.20	G
10	1	89	274	16.4	6.90	20.3	162.4	301.4	0.934	0.214	6.19	10.04	3.03	31.05	32.24	12.47	21.21	S
10	1	89	274	19.4	7.36	21.6	276.3	297.0	0.906	0.317	6.04	6.48	2.30	15.95	36.88	32.79	12.08	S
10	1	89	274	22.4	7.37	8.5	322.1	297.9	0.924	0.311	5.94	6.17	2.98	22.06	35.78	21.41	17.77	S
10	2	89	275	1.4	6.83	17.6	124.0	302.1	0.912	0.232	6.28	7.01	3.39	27.45	29.70	28.42	11.05	G
10	2	89	275	4.4	6.88	21.9	179.1	296.0	0.869	0.225	6.13	8.98	2.72	22.05	32.18	29.89	13.15	G
10	2	89	275	7.4	7.38	15.6	269.7	293.1	0.853	0.305	6.10	6.02	4.65	15.43	30.30	38.92	10.70	G
10	2	89	275	10.4	7.48	13.3	352.7	288.1	0.850	0.300	6.15	8.13	2.76	22.81	34.62	32.26	7.55	G
10	2	89	275	13.4	6.95	13.9	86.0	289.8	0.842	0.244	6.61	7.88	2.85	24.75	34.85	31.45	6.09	G
10	2	89	275	16.4	6.82	22.5	165.9	294.6	0.798	0.221	6.67	7.88	6.17	16.35	44.80	28.00	4.68	G
10	2	89	275	19.4	7.21	16.9	191.5	291.0	0.872	0.315	6.19	6.32	2.30	11.33	39.84	41.94	4.58	G
10	2	89	275	22.4	7.36	2.8	156.3	290.6	0.851	0.319	6.65	6.65	3.75	18.44	40.73	31.03	6.05	G
10	3	89	276	1.4	6.90	19.8	134.7	289.9	0.841	0.217	7.45	7.88	2.54	36.16	41.91	17.31	2.09	G
10	3	89	276	4.4	6.79	27.7	162.6	296.2	0.645	0.188	7.11	8.13	1.38	31.80	44.58	18.50	3.74	G
10	3	89	276	7.4	7.25	22.1	231.2	295.7	0.818	0.269	6.78	7.42	2.29	12.05	65.16	17.28	3.22	G
10	3	89	276	10.4	7.49	10.8	333.8	281.8	0.838	0.289	6.97	7.42	2.25	20.32	55.28	19.41	2.74	G
10	3	89	276	13.4	7.01	18.2	78.0	300.9	0.912	0.240	6.11	7.88	4.03	21.08	34.95	14.59	25.35	S
10	3	89	276	16.4	6.76	23.6	146.2	308.7	0.678	0.215	6.08	8.68	2.81	32.44	24.70	15.65	24.40	G
10	3	89	276	19.4	7.06	22.2	210.1	305.0	0.631	0.210	6.13	8.39	3.18	30.56	30.25	16.96	19.06	G
10	3	89	276	22.4	7.42	12.0	245.5	142.6	0.643	0.533	4.56	4.79	3.22	11.69	8.85	56.61	19.63	S
10	4	89	277	1.4	7.16	22.3	147.2	184.0	0.826	0.915	5.12	5.39	1.21	3.20	9.35	75.83	10.41	G
10	4	89	277	4.4	6.93	32.6	163.1	187.1	0.775	0.737	4.67	4.97	2.33	1.97	7.88	66.89	20.93	G
10	4	89	277	7.4	7.23	16.2	239.9	176.8	0.784	0.652	5.00	5.28	2.07	2.42	21.69	57.97	15.86	G
10	4	89	277	10.4	7.49	25.6	331.2	165.0	0.659	0.419	5.51	5.63	2.85	4.82	24.08	57.97	10.28	G
10	4	89	277	13.4	7.14	28.9	24.4	148.5	0.647	0.349	5.54	5.51	3.43	11.40	13.64	61.88	9.64	G
10	4	89	277	16.4	6.73	26.8	113.4	169.7	0.632	0.275	4.82	4.30	6.53	16.36	8.01	43.26	25.83	G
10	4	89	277	19.4	6.84	9.8	186.4	157.8	0.616	0.232	4.84	4.53	7.24	16.45	10.65	41.32	24.34	G
10	4	89	277	22.4	7.13	18.5	311.3	310.4	0.695	0.191	5.61	4.23	12.39	16.73	21.27	29.98	19.64	G
10	5	89	278	1.4	6.99	5.4	18.2	136.3	0.744	0.205	4.90	7.21	8.87	19.34	15.23	18.23	38.34	G
10	5	89	278	4.4	6.73	33.8	145.0	186.2	0.808	0.666	4.54	5.07	2.62	1.73	3.43	70.54	21.68	S
10	5	89	278	7.4	6.89	16.4	201.1	158.2	0.650	0.303	4.29	4.79	5.39	5.26	3.51	55.50	30.34	G
10	5	89	278	10.4	7.33	24.4	309.1	303.6	0.760	0.165	5.24	15.52	16.50	17.42	9.41	35.07	21.61	G
10	5	89	278	13.4	7.13	24.2	12.6	130.5	0.689	0.178	5.40	4.53	17.27	15.57	11.09	41.22	14.85	G
10	5	89	278	16.4	6.68	5.7	77.8	304.5	0.824	0.151	6.50	4.03	14.17	29.97	10.96	30.68	14.22	G
10	5	89	278	19.4	6.68	8.8	140.7	294.1	0.886	0.111	8.19	14.63	28.35	38.06	11.81	12.64	9.14	G
10	5	89	278	22.4	7.00	17.8	285.8	310.3	0.720	0.088	9.18	15.52	29.42	39.11	16.54	8.11	6.83	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	6	89	279	1.4	6.88	14.7	342.2	303.6	0.868	0.114	6.01	15.52	32.22	23.69	8.41	5.94	29.74	G
10	6	89	279	4.4	6.54	7.7	50.9	121.7	0.891	0.119	5.87	15.52	45.38	18.73	2.52	5.94	27.43	S
10	6	89	279	7.4	6.58	26.1	169.4	271.2	0.709	0.149	5.17	14.63	23.48	18.85	3.64	12.95	41.07	G
10	6	89	279	10.4	7.04	18.9	256.8	296.8	0.867	0.114	6.74	13.84	37.90	20.37	5.49	12.14	24.10	G
10	6	89	279	13.4	7.11	14.2	302.3	304.3	0.890	0.120	7.19	15.52	24.69	13.94	8.15	36.78	16.43	G
10	6	89	279	16.4	6.77	8.3	49.7	299.9	0.870	0.110	8.94	15.52	58.12	11.31	8.97	14.02	7.59	G
10	6	89	279	19.4	6.66	14.5	170.4	297.4	0.821	0.104	8.03	15.52	37.36	25.74	6.64	25.22	5.04	G
10	6	89	279	22.4	6.98	19.9	267.0	300.4	0.872	0.113	9.02	13.84	47.24	23.98	5.99	15.05	7.74	G
10	7	89	280	1.4	7.04	16.4	318.9	300.0	0.872	0.110	9.23	14.63	55.82	15.10	9.49	12.50	7.09	G
10	7	89	280	4.4	6.83	3.9	125.5	294.2	0.807	0.105	9.02	15.52	43.10	19.12	14.78	19.62	3.39	G
10	7	89	280	7.4	6.87	20.8	169.5	177.6	0.654	0.456	4.17	4.23	8.87	1.57	2.31	56.76	30.49	S
10	7	89	280	10.4	7.22	16.3	218.8	178.0	0.763	0.627	4.85	4.79	3.49	1.59	1.97	81.19	11.75	S
10	7	89	280	13.4	7.43	13.2	338.8	126.0	0.884	0.297	5.16	5.51	9.36	4.20	8.64	67.22	10.58	S
10	7	89	280	16.4	7.16	15.4	35.6	130.2	0.821	0.276	4.91	4.97	14.60	5.55	6.42	48.28	25.14	G
10	7	89	280	19.4	6.88	18.0	80.0	184.3	0.792	0.488	4.57	4.79	5.83	2.34	2.71	69.97	19.15	G
10	7	89	280	22.4	7.07	12.1	206.5	181.5	0.780	0.412	4.39	4.38	9.21	5.99	2.40	59.72	22.68	G
10	8	89	281	1.4	7.31	12.4	312.6	142.0	0.655	0.242	4.91	14.63	19.88	8.02	4.76	46.09	21.26	G
10	8	89	281	4.4	7.11	15.9	25.4	155.4	0.613	0.310	4.33	4.70	9.46	4.78	3.94	54.10	27.73	G
10	8	89	281	7.4	6.90	10.1	119.8	159.7	0.585	0.280	4.35	4.10	11.18	5.97	4.41	39.65	38.79	G
10	8	89	281	10.4	7.12	15.4	279.9	310.0	0.732	0.225	4.32	3.63	17.88	8.95	4.00	25.56	43.61	G
10	8	89	281	13.4	7.39	17.5	331.1	311.7	0.709	0.203	4.70	3.74	19.90	12.84	5.15	23.79	38.32	S
10	8	89	281	16.4	7.25	22.2	7.6	142.2	0.646	0.220	4.84	4.23	16.68	12.63	3.78	41.49	25.42	G
10	8	89	281	19.4	6.88	7.9	84.6	304.2	0.727	0.155	5.95	13.13	29.58	23.44	4.08	7.74	35.16	G
10	8	89	281	22.4	7.00	22.5	179.5	297.2	0.728	0.206	4.54	11.91	16.38	32.39	2.78	5.38	43.07	G
10	9	89	282	1.4	7.37	15.3	196.1	162.6	0.644	0.425	4.17	4.30	9.84	5.79	1.63	55.32	27.42	S
10	9	89	282	4.4	7.28	14.9	131.0	172.6	0.731	0.339	4.53	4.16	7.00	7.70	1.77	61.77	21.75	G
10	9	89	282	7.4	7.01	32.2	145.7	143.3	0.632	0.387	4.28	4.53	6.06	6.47	1.86	55.29	30.32	S
10	9	89	282	10.4	7.03	19.9	185.3	159.7	0.617	0.281	4.18	4.23	6.57	6.46	2.72	50.51	33.74	S
10	9	89	282	13.4	7.40	23.8	299.6	303.7	0.825	0.202	5.15	4.70	12.01	16.51	9.99	42.23	19.26	S
10	9	89	282	16.4	7.40	31.6	351.3	304.1	0.732	0.131	6.76	13.84	17.50	22.12	19.10	30.53	10.75	G
10	9	89	282	19.4	7.02	22.1	31.8	308.8	0.742	0.144	7.04	7.42	15.39	18.62	37.42	18.75	9.82	G
10	9	89	282	22.4	6.87	11.3	132.2	297.1	0.864	0.118	7.45	12.49	21.29	27.24	26.71	14.65	10.10	G
10	10	89	283	1.4	7.24	16.8	302.3	299.8	0.862	0.125	7.50	13.13	29.93	25.69	13.04	24.26	7.09	G
10	10	89	283	4.4	7.35	20.9	347.3	296.8	0.727	0.121	8.26	13.13	31.50	24.82	13.67	20.37	9.64	G
10	10	89	283	7.4	6.99	12.8	64.1	293.3	0.779	0.122	7.50	11.91	25.70	31.81	13.53	20.57	8.39	G
10	10	89	283	10.4	6.83	20.3	141.9	291.4	0.904	0.112	6.71	11.38	17.34	29.40	20.28	15.05	17.93	G
10	10	89	283	13.4	7.20	17.9	226.7	302.2	0.818	0.170	5.79	8.68	10.63	20.06	26.18	15.86	27.27	G
10	10	89	283	16.4	7.41	14.2	334.0	303.8	0.884	0.182	5.95	8.39	14.69	31.90	16.48	15.72	21.22	S
10	10	89	283	19.4	7.09	15.2	20.8	297.3	0.826	0.197	5.92	9.66	14.43	31.60	8.55	21.28	24.14	G
10	10	89	283	22.4	6.72	23.6	147.7	287.2	0.827	0.194	5.85	5.51	6.98	14.26	7.37	68.29	3.10	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	11	89	284	1.4	7.09	18.7	242.1	283.9	0.847	0.218	5.70	4.88	6.26	13.22	12.85	63.60	4.08	G
10	11	89	284	4.4	7.44	14.0	296.0	299.4	0.803	0.196	5.92	4.88	8.37	17.19	18.12	47.66	8.67	G
10	11	89	284	7.4	7.15	9.8	71.0	296.8	0.892	0.155	7.39	8.98	12.45	34.57	20.79	25.64	6.55	G
10	11	89	284	10.4	6.74	30.6	142.6	290.0	0.904	0.115	6.40	6.17	9.09	20.54	29.35	31.43	9.59	S
10	11	89	284	13.4	7.02	27.0	215.0	305.5	0.673	0.141	6.28	6.65	5.74	17.11	33.88	37.75	5.52	G
10	11	89	284	16.4	7.47	18.2	297.6	289.9	0.826	0.217	6.28	5.63	4.45	16.57	29.58	45.57	3.83	G
10	11	89	284	19.4	7.25	19.3	33.4	302.2	0.768	0.164	7.21	6.02	8.54	23.37	33.44	29.36	5.29	G
10	11	89	284	22.4	6.66	26.7	123.1	292.1	0.917	0.095	8.13	12.49	16.55	37.77	30.63	9.80	5.24	G
10	12	89	285	1.4	6.88	20.6	195.0	293.0	0.878	0.144	7.29	8.68	6.45	38.20	33.84	18.78	2.72	G
10	12	89	285	4.4	7.45	27.5	307.9	294.7	0.865	0.185	7.37	7.21	6.77	21.13	50.50	19.09	2.51	G
10	12	89	285	7.4	7.33	29.8	11.2	300.4	0.761	0.158	7.45	7.42	11.34	29.12	40.23	15.43	3.88	G
10	12	89	285	10.4	6.69	22.9	127.5	292.5	0.860	0.139	6.94	7.64	11.04	36.30	27.33	18.25	7.08	G
10	12	89	285	13.4	6.69	22.6	180.7	298.1	0.836	0.156	6.76	4.61	4.53	21.48	26.36	36.51	11.13	G
10	12	89	285	16.4	7.32	28.4	280.1	289.9	0.819	0.268	4.96	5.89	4.90	17.01	13.67	41.60	22.82	G
10	12	89	285	19.4	7.32	27.9	3.1	301.3	0.852	0.183	6.78	9.66	10.82	28.69	25.27	18.72	16.50	G
10	12	89	285	22.4	6.65	28.9	104.8	292.4	0.867	0.136	8.83	10.89	22.13	49.72	14.59	9.15	4.41	G
10	13	89	286	1.4	6.63	33.8	178.4	295.7	0.898	0.101	7.14	9.31	7.45	46.02	21.90	11.81	12.82	G
10	13	89	286	4.4	7.36	23.8	269.8	300.7	0.760	0.186	6.97	6.83	5.09	27.39	42.62	20.44	4.46	G
10	13	89	286	7.4	7.45	13.5	356.7	295.1	0.876	0.187	7.47	7.88	6.00	37.07	30.16	20.20	6.57	G
10	13	89	286	10.4	6.78	28.1	95.4	295.5	0.856	0.134	7.85	10.04	13.24	43.39	25.23	11.38	6.76	G
10	13	89	286	13.4	6.51	37.9	159.6	118.5	0.816	0.141	6.22	6.48	4.51	9.86	56.76	18.68	10.19	G
10	13	89	286	16.4	7.13	27.3	252.5	281.7	0.713	0.192	6.56	7.21	4.74	13.83	47.85	28.13	5.45	G
10	13	89	286	19.4	7.39	22.8	340.8	287.1	0.683	0.151	7.09	7.42	8.89	25.14	38.57	21.49	5.90	G
10	13	89	286	22.4	6.79	27.1	74.2	281.1	0.803	0.123	7.85	8.98	13.80	38.62	28.82	16.01	2.75	G
10	14	89	287	1.4	6.53	35.9	160.1	299.3	0.842	0.062	7.85	7.64	15.06	27.69	41.29	9.75	6.21	G
10	14	89	287	4.4	7.24	32.4	272.7	290.2	0.780	0.172	6.83	6.65	3.97	22.90	44.24	26.58	2.31	G
10	14	89	287	7.4	7.62	39.2	339.9	307.4	0.664	0.124	6.74	6.65	7.42	26.11	35.53	22.48	8.46	G
10	14	89	287	10.4	7.08	30.0	28.7	315.5	0.640	0.135	8.64	10.89	15.12	49.59	22.36	8.45	4.48	G
10	14	89	287	13.4	6.52	37.1	139.3	292.9	0.839	0.092	6.06	10.89	6.95	26.56	15.69	36.44	14.37	G
10	14	89	287	16.4	6.95	23.6	231.2	300.6	0.725	0.166	6.59	9.66	4.09	27.92	30.54	28.78	8.67	G
10	14	89	287	19.4	7.47	28.6	323.4	301.9	0.884	0.153	6.99	9.31	6.31	31.83	31.34	21.18	9.33	G
10	14	89	287	22.4	7.00	21.9	47.3	283.8	0.613	0.140	9.02	11.38	10.17	61.06	22.18	5.16	1.42	G
10	15	89	288	1.4	6.46	39.3	147.1	298.7	0.757	0.075	7.82	10.45	9.14	40.85	12.10	30.63	7.28	G
10	15	89	288	4.4	6.98	26.0	240.8	291.8	0.760	0.137	7.45	8.68	6.48	32.89	42.98	16.10	1.55	G
10	15	89	288	7.4	7.65	35.2	319.0	304.6	0.876	0.150	7.21	6.32	11.75	26.54	29.78	26.46	5.47	S
10	15	89	288	10.4	7.31	30.2	31.0	312.7	0.811	0.129	8.06	10.45	11.36	48.53	20.80	15.45	3.86	G
10	15	89	288	13.4	6.56	35.2	130.7	301.9	0.740	0.112	6.26	10.04	12.15	32.60	12.15	14.04	29.05	G
10	15	89	288	16.4	6.74	29.9	192.6	299.1	0.775	0.098	7.04	8.39	4.66	36.43	33.63	16.89	8.39	G
10	15	89	288	19.4	7.43	27.5	296.2	282.6	0.800	0.176	6.24	7.88	12.21	15.04	29.21	28.77	14.77	G
10	15	89	288	22.4	7.22	21.7	28.7	297.0	0.744	0.156	7.59	8.68	8.29	46.35	26.54	12.33	6.49	G

Mon	Day	Yr	Jday	Time (est)	Depth (m)	MC_SPD (cm/s)	MC_DIR (degT)	WavDIR (degT)	Rvar	Hmo	Tz(sec)	Tp(sec)	%E>12s	%E12-8s	%E8-6s	%E6-4s	%E<4s	C
10	16	89	289	1.4	6.55	29.9	124.6	295.9	0.801	0.084	7.70	10.45	6.46	48.10	22.33	17.91	5.19	G
10	16	89	289	4.4	6.77	27.7	196.6	296.8	0.790	0.117	7.19	7.88	9.70	32.82	35.95	13.42	8.10	G
10	16	89	289	7.4	7.60	39.9	304.6	300.0	0.856	0.158	6.59	6.17	14.11	17.96	23.90	35.35	8.69	G
10	16	89	289	10.4	7.54	42.0	6.3	242.3	0.570	0.116	6.83	9.31	10.48	30.32	27.56	21.73	9.90	G
10	16	89	289	13.4	6.74	26.0	91.5	306.9	0.719	0.137	7.09	10.04	7.21	34.22	15.99	38.15	4.43	G
10	16	89	289	16.4	6.60	27.9	167.0	300.0	0.824	0.077	5.90	4.45	8.21	19.70	21.09	31.35	19.65	G
10	16	89	289	19.4	7.25	26.8	274.0	284.0	0.829	0.215	5.26	4.38	4.99	14.41	15.67	40.47	24.46	G
10	16	89	289	22.4	7.31	21.7	358.6	302.2	0.848	0.164	5.79	11.38	13.55	25.52	18.65	15.84	26.43	G
10	17	89	290	1.4	6.62	30.2	110.4	292.9	0.813	0.092	6.83	10.04	9.96	41.28	18.16	18.02	12.58	G
10	17	89	290	4.4	6.53	34.8	172.4	302.2	0.783	0.116	4.55	5.07	11.01	13.65	11.70	32.10	31.53	G
10	17	89	290	7.4	7.30	32.5	281.5	291.2	0.822	0.165	6.40	6.32	5.96	22.66	37.69	20.61	13.08	G
10	17	89	290	10.4	7.51	33.8	344.9	305.7	0.871	0.135	6.15	10.04	14.50	26.51	19.32	18.40	21.27	G