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Chesapeake Bay Wave Climate : Wolf Trap Wave Station, Report and Summary of Wave Observations November 6, 1989 through August 2, 1990

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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. NA89AA-D-CZ134).**

To address long-term wave monitoring objectives in Chesapeake Bay, it was deemed necessary to first characterize the local wave climate through collection of representative (year-long) series of wave observations at selected locations. The first series was completed in the fall of 1989 for a station located near Thimble Shoals Light to the west of the Chesapeake Bay entrance (Fig. 1). Results of the initial year of study were presented in VIMS Data Report No. 32 (Boon et al., 1990).

A key finding revealed by the initial wave measurements from Thimble Shoals was the presence of dual modes (dual sources) of wave energy during much of the year. During extratropical winter storms, the Thimble Shoals region of the bay simultaneously received roughly equal contributions of westerly-directed, long period (8-12 second) wave energy from the Atlantic Ocean and southerly-directed, short period (4-6 second) energy generated locally within the bay. A key question then arose on whether longer-period Atlantic Ocean waves could also reach and affect regions lying farther to the north inside the bay. The presence of such waves would have implications regarding the local structure of the benthic boundary layer and the stability of bottom sediments, matters highly germane to the selection of appropriate sites for bottom disposal of dredged material.

The above prospect, together with the need to define the general region of applicability for monitored wave parameters in the lower bay, prompted the selection of another station farther north for an additional exploratory series of wave measurements. A site was selected near the maximum limit expected for ocean wave propagation and near two designated dredged material disposal areas lying southeast of Wolf Trap Light within which an earlier series of bottom boundary layer measurements were made (Boon et al., 1987).

A second year of observations was begun on November 6, 1989, near the Wolf Trap Light Tower at a station 23 nautical miles north of Thimble Shoals (Fig. 1). This report contains the findings of the observations obtained at the Wolf Trap station.

II. WAVE GAGE IN SITU DESCRIPTION

For the period November 6, 1989 through August 2, 1990, a bottom-mounted wave gage was maintained at latitude 37° 24.8'N, longitude 76° 11.8'W at a mean depth of approximately 6.5 meters (21 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 which was retrieved and re-deployed at monthly intervals using an acoustic recall system to permit data recovery and servicing. Divers inspected the tetrapod as deployed and verified proper orientation on the rippled, coarse sand bottom of the location.

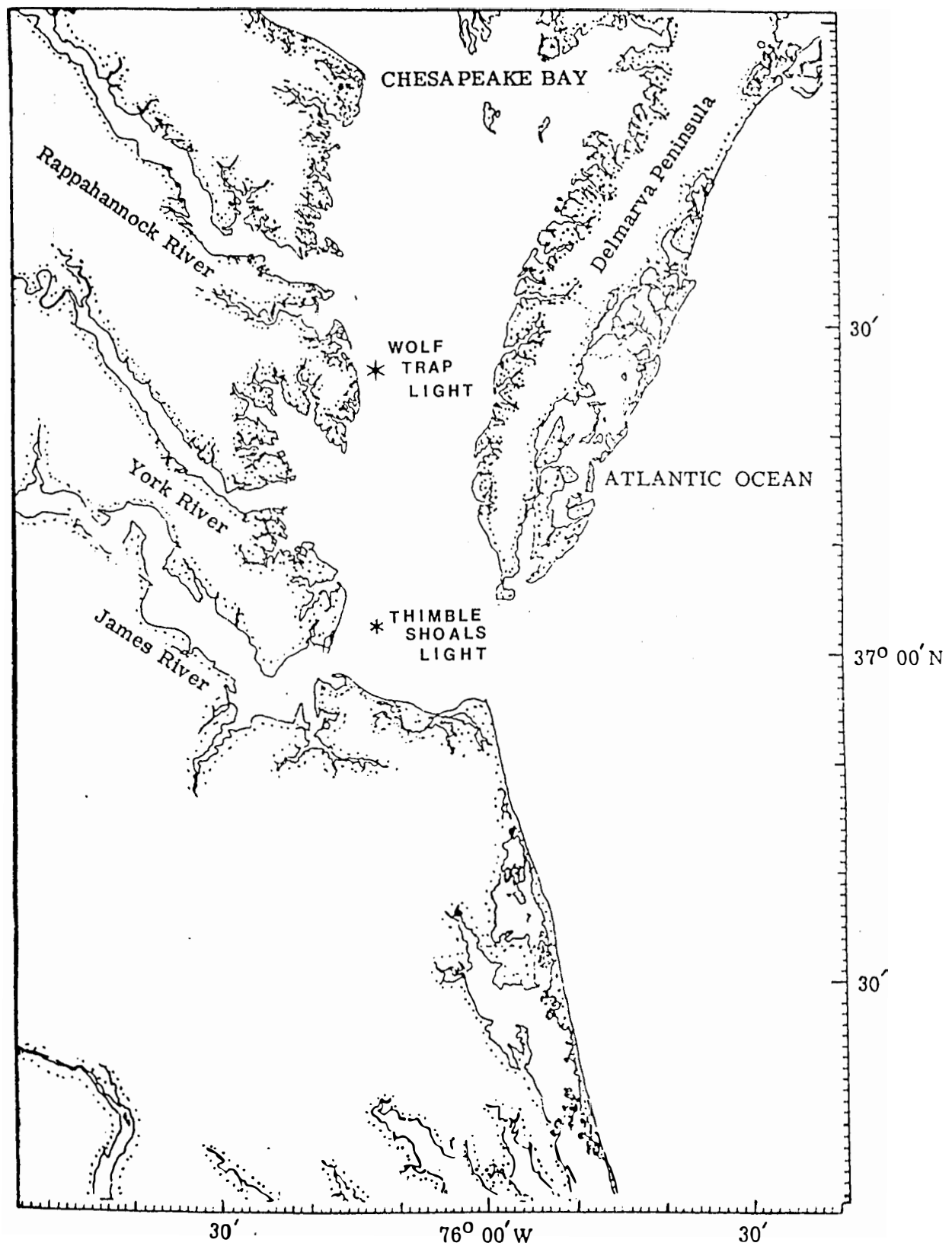


Figure 1. Location of Lower Chesapeake Bay Wave Gage Stations for 1988-89(TSL), 1989-90(WTL).

III. DATA SAMPLING AND ANALYSIS

The wave sampling and analysis performed during this study utilized the same set of standard wave summary parameters as obtained for statistical characterizations of the wave climate at the Thimble Shoals site (Boon et al., 1990). 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). Analysis of directional wave spectra, a procedure useful whenever bimodal ("primary" and "secondary") peaks in wave energy density are encountered at different frequencies and directions, was not useful at the Wolf Trap site due to a restriction of wave directions (either north or south) and a more limited range of frequencies.

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 1 Hz (1.0-second 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** (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 proportion of the total 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. A 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.

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 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. Larger "spikes" in the UV signal are particularly deleterious to wave directional estimates but these usually can be detected and removed if their number is not excessive (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 percent 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 percent UV spikes removed through interpolation. A "W" indicates a transient, usually a ship wake, was detected in the visual plot while "M" indicates data missing or completely unusable due to a gage malfunction or equipment outage during a gage servicing period. "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 November 6, 1989 and August 2, 1990, has produced 2146 data records that are stored in several basic formats for use on IBM PC or AT-compatible computers,

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 dBASE IV.

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 5 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 contained in 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 1989-1990 Wolf Trap data set are presented in Appendix A at the end of this report and are available to users of computer information systems in several formats.

VI. WOLF TRAP WAVE CHARACTERISTICS

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

Except for two small extratropical disturbances (cold fronts) that occurred in early and late December of 1989, the Chesapeake Bay region experienced unusually mild weather during the period of wave observations at the Wolf Trap station. There were few storms of significant magnitude or duration during the winter and following spring of the 1989-90 season. Consequently, the height of the largest waves measured at Wolf Trap were smaller than the largest recorded at Thimble shoals a year earlier (Boon et al., 1990) but not excessively so.

As shown in the summary information of Table 2, the maximum significant wave height (Hmo) of 1.5 meters occurred at Wolf Trap on December 24, 1989, compared to a maximum Hmo of 1.9 meters observed at Thimble Shoals during a brief but intense winter storm that occurred on February 23-24, 1989. The largest individual wave heights (peak to trough) noted during these two events were 2 and 3 meters, respectively, observed during burst measurements with zero up-crossing wave periods (Tz) of approximately 5 and 6 seconds, respectively. Given similar duration and fetch parameters for the Wolf Trap and Thimble Shoals storms in question, it is likely that both sites were experiencing wave height saturation or were close to this condition.

The normal wave climate at Wolf Trap involves relatively few waves with a significant height of more than 0.2 meters (Fig. 2a), the Hmo wave height averaging only 0.16 meters at this site. Similar statistics were noted for Thimble Shoals, underscoring the fact that years of continuous observations are required to characterize bay waves having any appreciable energy, the only ones of practical interest ordinarily. Considering waves of moderate height (Hmo greater than 0.6 meters), the number observed at wolf Trap are again similar to the number observed at Thimble Shoals except that, unlike Thimble Shoals, the Wolf Trap wave data do not show a pronounced bimodal distribution in wave direction and frequency. Narrow-banded wave spectra involving a single wave direction (either north or south following the bay axis) were the norm at Wolf Trap whenever waves achieved Hmo heights of more than 0.2 meters. Generally the wave heading (direction of wave advance) coincided with the local wind direction at the time of observation. Such evidence for local wave generation at Wolf Trap is also supported by the fact that more than 60% of the observed wave energy resides in waves with spectral band periods of 6 seconds or less, about 30% residing in waves with less than a 4-second period (Fig. 2b). Figure 3a shows the relative number of waves occurring within various Tz intervals and Figure 3b shows the same information in various intervals of Tp.

Figures 4 through 12 illustrate the observed bi-directional pattern at Wolf Trap using a set of stacked bar graphs showing the variation in wave direction within specific ranges of wave height and period. As these figures reveal, about 2 to 10 percent of the measured waves from fall and winter months have significant heights (Hmo) greater than 0.60 meters. With the exception of a brief period in April, 1990, virtually all of these waves had southerly headings and were produced by northerly winds. However, the number of waves with Hmo greater than 0.20 meters was almost evenly divided during some months between northerly and southerly headings.

Table 2. Summary Wave Information from the Wolf Trap Deployment of November 6, 1989 through August 2, 1990. Burst-averaged values from a set of N=2146 bursts.

Parameter	Maximum	Minimum	Mean
Depth (meters)	7.5	6.0	6.8
Bottom Current (centimeters/second)	83.6	0.8	26.2
Wave Height (Hmo - meters)	1.5	0.0	0.16
Wave Period (Tz - seconds)	10.9	3.1	5.0
Peak spectral Period (Tp - seconds)	36.6	2.3	6.0

VI.b. Wave Height and Energy Relationships during Storms

Dissimilarities between the Wolf Trap and Thimble Shoals wave stations were also reflected in their response to wave forcing during the course of a storm. Figure 13a illustrates a direct response to local wave forcing at Wolf Trap during a 5-day storm that occurred December 7-12, 1989. As shown in this figure, the Hmo wave height increased and remained high while the wave energy spectrum responded to forcing mainly at periods of less than 6 seconds. Spectral energy then shifted quickly to wave periods of more than 8 seconds during storm abatement accompanied by rapidly falling Hmo values. Figure 13b shows a contrasting response at Thimble Shoals during the 5-day storm of March 5-10, 1989. During the latter storm, longer-period wave energy (periods greater than

8 seconds) continued to increase, along with the Hmo wave height, throughout the generating period. The Hmo wave height fell gradually in the declining phase of the storm while the percentage of energy at greater than 8-second periods continued to rise, demonstrating the influence of external (Atlantic Ocean) forcing at Thimble Shoals.

VI.c. Tidal Effect on Wave Height and Period

As previously reported at Thimble Shoals (Boon et al., 1990), the Wolf Trap wave records also contain evidence of covariance, although not quite as high in magnitude, between time series of the burst-mean depth (tide) parameter and the wave height and period parameters measured at three-hour intervals. This modulating effect on wave height and period was addressed for its scientific interest as well as its obvious importance to the correct determination of representative wave parameters. These must include adequate allowance for expected temporal variation at tidal frequencies when necessary.

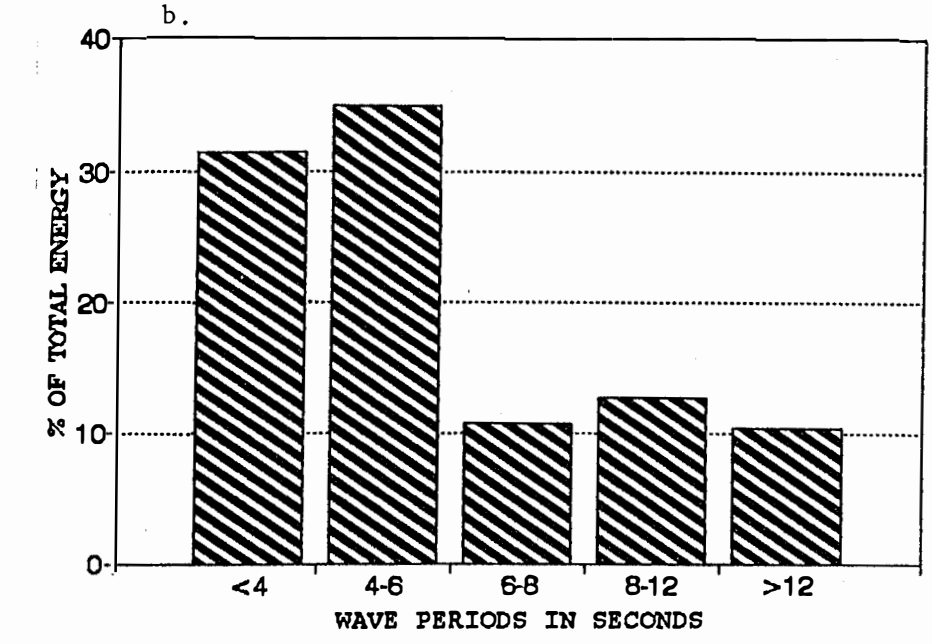
The tidal influence at Wolf Trap is very evident. Figures 14a,b and 15a,b contain scatter-plot diagrams of the burst-mean bottom velocity measured at Wolf Trap. These diagrams show that there is an appreciable reversing (bi-directional) tidal current active throughout the year with a dominant north-south flow alignment. Figures 14a,b, 15a,b and 16a show that current speeds of up to 80 cm/sec occur at a height of 1.6 meters above the bed at the Wolf Trap site. Figure 16b presents an example of the usual in-phase progressive wave relationship observed between tidal height and current speed, taking the latter as positive in the direction of (tidal) wave advance northward up the bay.

At both Wolf Trap and Thimble Shoals, wave heights and periods are modulated by depth at the semidiurnal tidal frequency. This consistently occurs as shown in the example in Figure 17a,b regardless of the direction of wave advance, which happened to be northwest to northeast during January 4-7, 1990, the example given. During this time, maximum Hmo wave heights generally coincided with high water (maximum depths) whereas maximum Tz wave periods tended to coincide with low water (minimum depths). Given the progressive wave phasing of tide and current shown in Figure 16b, these relationships appear to be the opposite of that expected for ordinary wave-current interactions involving the Doppler effect (Earle and Bishop, 1984). At Thimble Shoals, reversing tidal currents are also 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, as opposed to shorter periods and greater heights (greater wave steepness) expected during local wave-current opposition.

Explanation of the above phenomenon seems to involve a non-local effect in which the admittance of long-period waves into the bay constitutes the primary control as suggested by data presented in Figure 18a,b. In place of the Hmo wave height plotted in Figure 17b, Figure 18a,b contains plots of the percentage of total wave energy in two of the five frequency bands listed in Table 1, the energy shown covarying with depth at Wolf Trap during 4-7 January, 1990. The percentage of total wave energy in the dominant 6-4 second band (Figure 18a) shows approximately the same positive correlation with depth as noted for Hmo wave height but a negative correlation with depth is shown in Figure 18b for total wave energy in the long-period (> 12 second) band. Tidal modulation of waves belonging to either band will force an opposing modulation with opposite correlation in the remaining band as long as the sum of both bands constitutes most of the total wave energy. The energy contribution of low-amplitude waves in the long-period band is usually small at Wolf Trap, becoming significant only when wave energy in the dominant bands (< 4 seconds and 6-4 seconds) is comparatively low. Because of their origin outside the entrance to the Chesapeake Bay, waves in the long-period band are the more likely candidates for non-local modulation.

VII. CONCLUSIONS

The directional wave measurements obtained at the Wolf Trap site have shown that it lies beyond the lower Chesapeake Bay region wherein long-period, non-local waves are present with appreciable amplitudes. In contrast to the Thimble Shoals wave station, the Wolf Trap measurements show very little tendency for wave directional spectra to develop during storms which show evidence of significant energy contributions at more than one peak in frequency and direction at a given time. Otherwise, height distributions for locally-generated waves of a 6-second period or less appear to be rather similar at the two sites, particularly for those waves that have a southerly heading. Although not important in terms of their amplitude alone, long-period waves are still evident and may control the observed modulation of wave height and period during fair weather conditions at Wolf Trap.



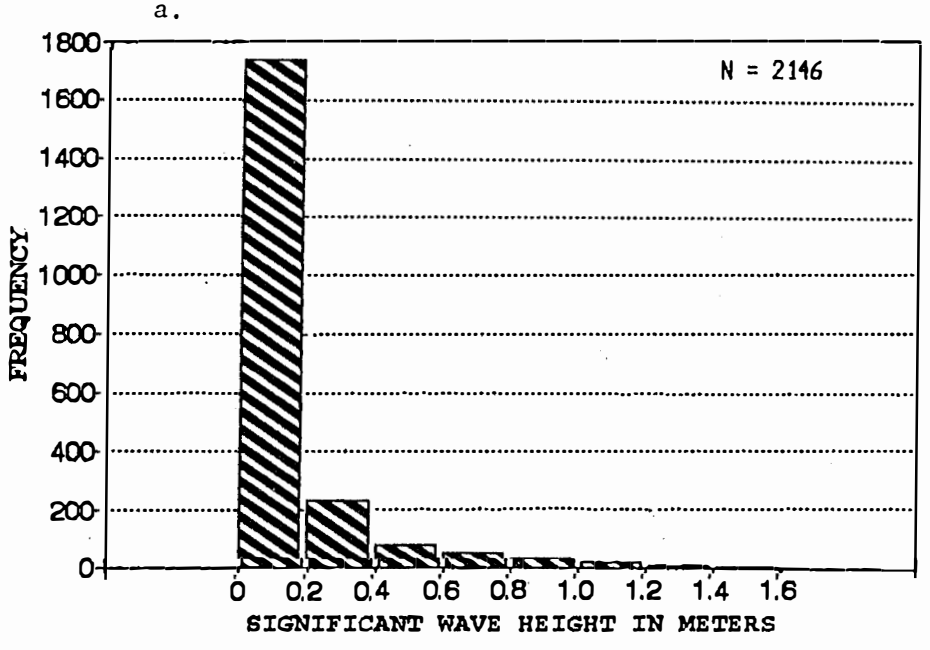
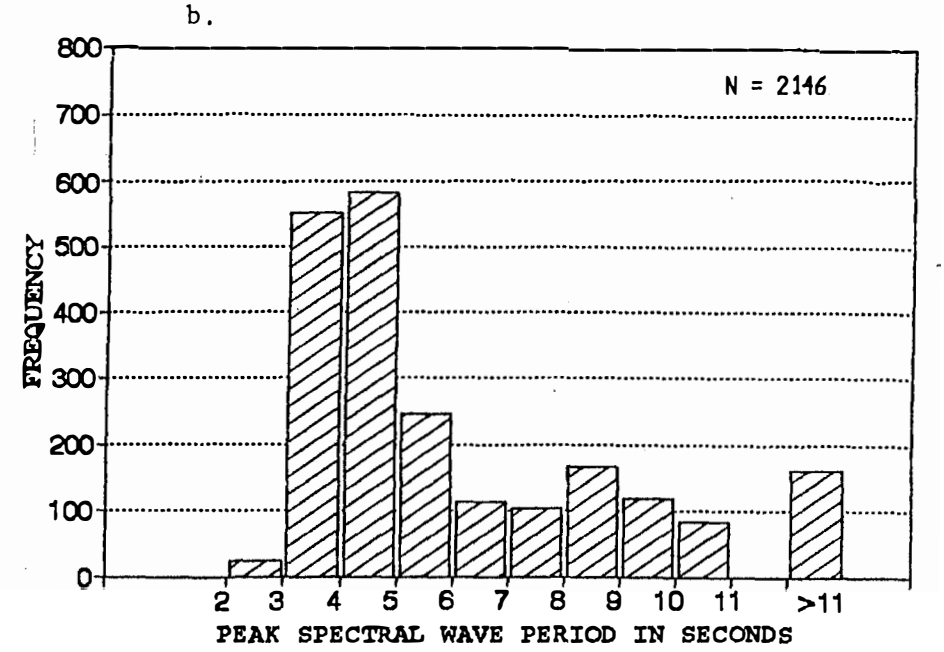


Figure 2. Distribution of (a) significant wave height, (b) % total wave energy in 5 spectral bands at the Wolf Trap wave station, 1989-90.



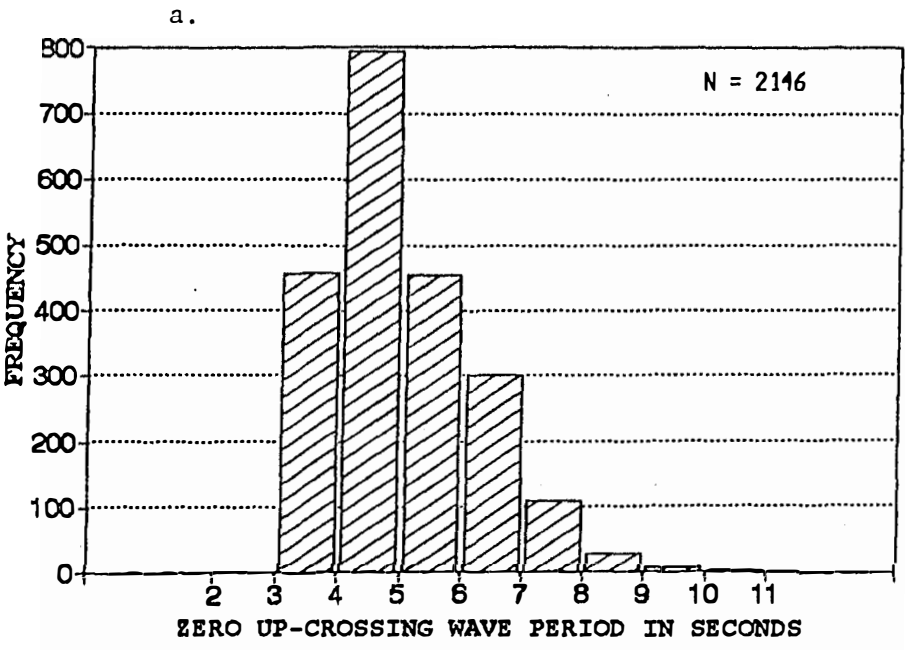
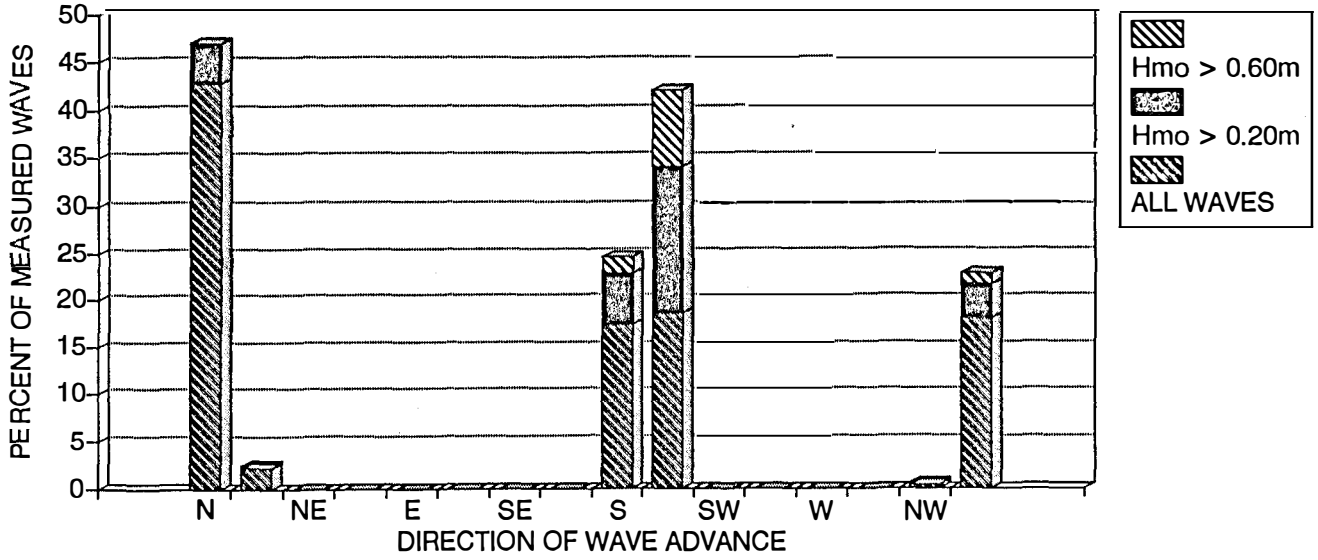


Figure 3. Distribution of (a) zero up-crossing wave period and (b) peak spectral wave period at Wolf Trap.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 11/89 161 WAVE BURSTS



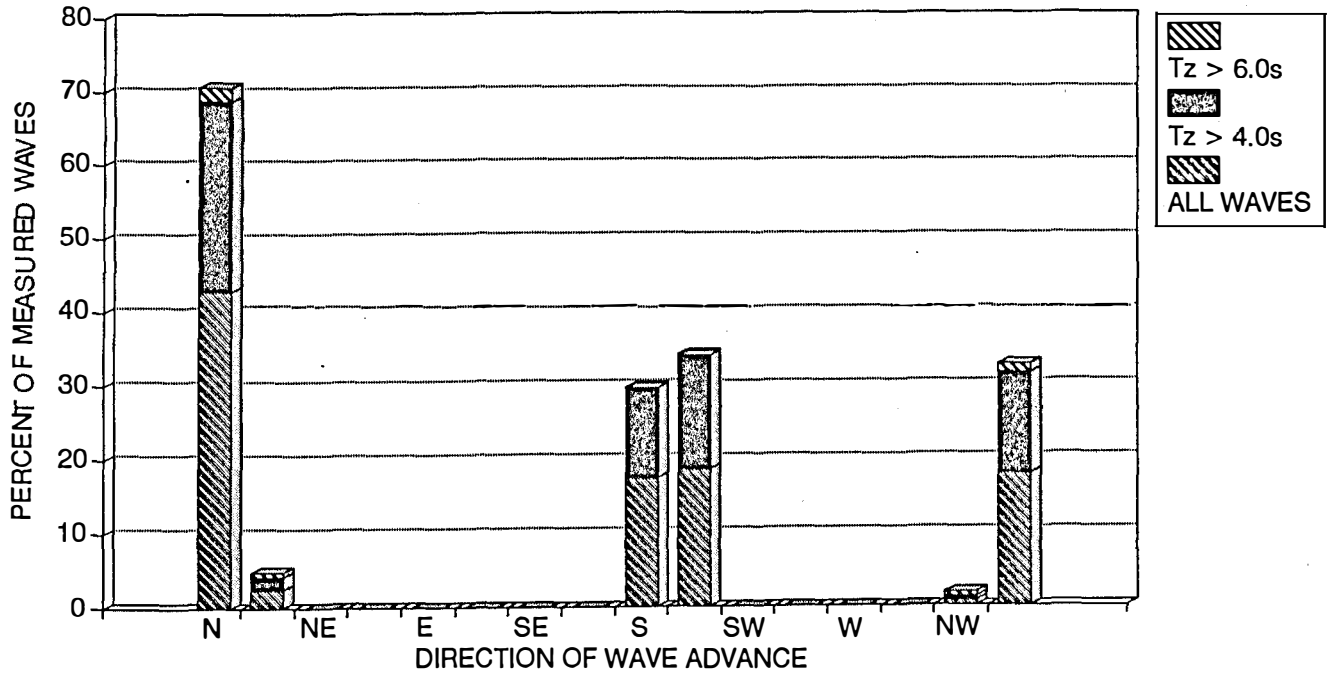


Figure 4. Distribution of wave directions, November 1989.

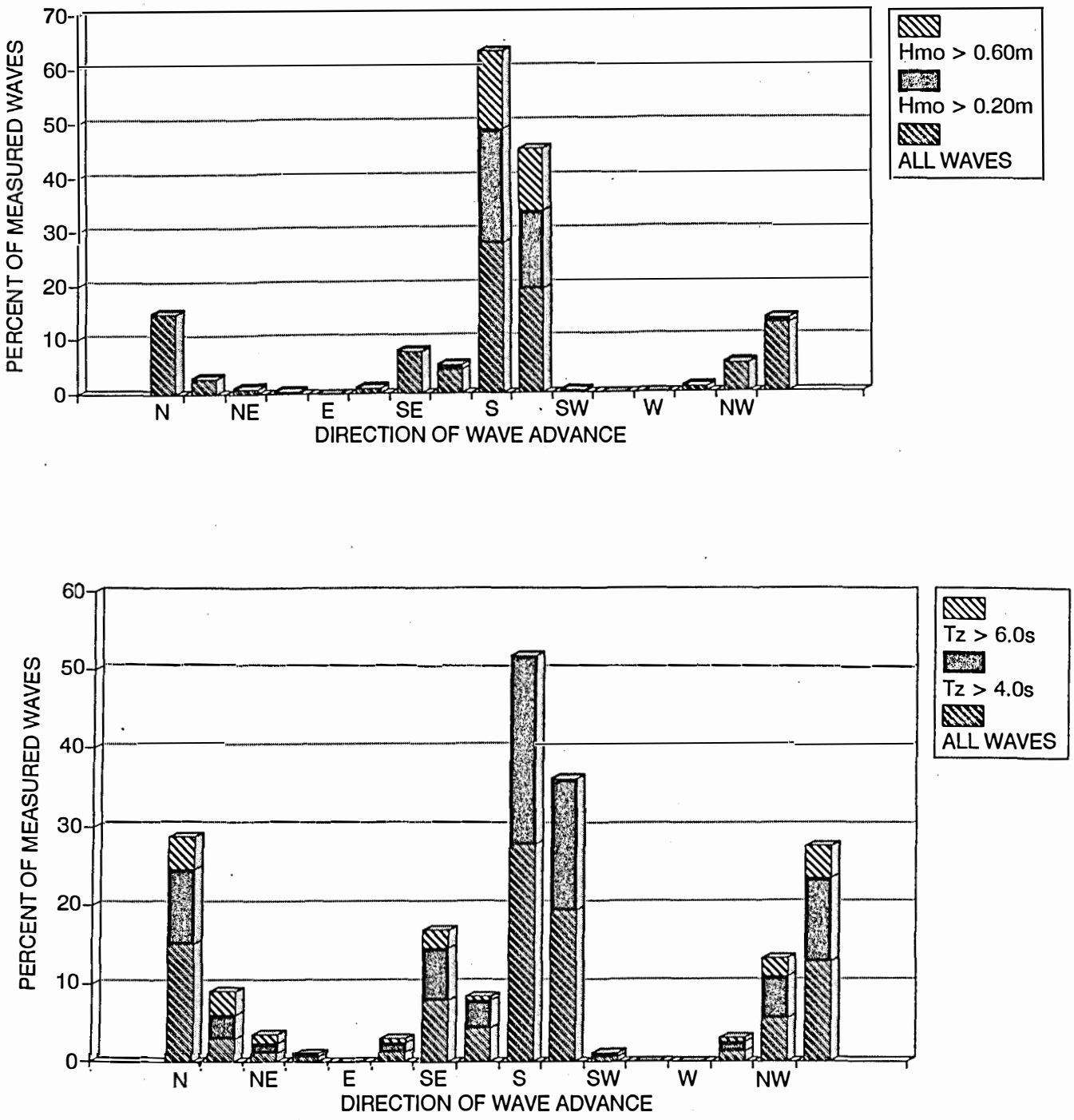


Figure 5. Distribution of wave directions, December 1989.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 1/90 231 WAVE BURSTS

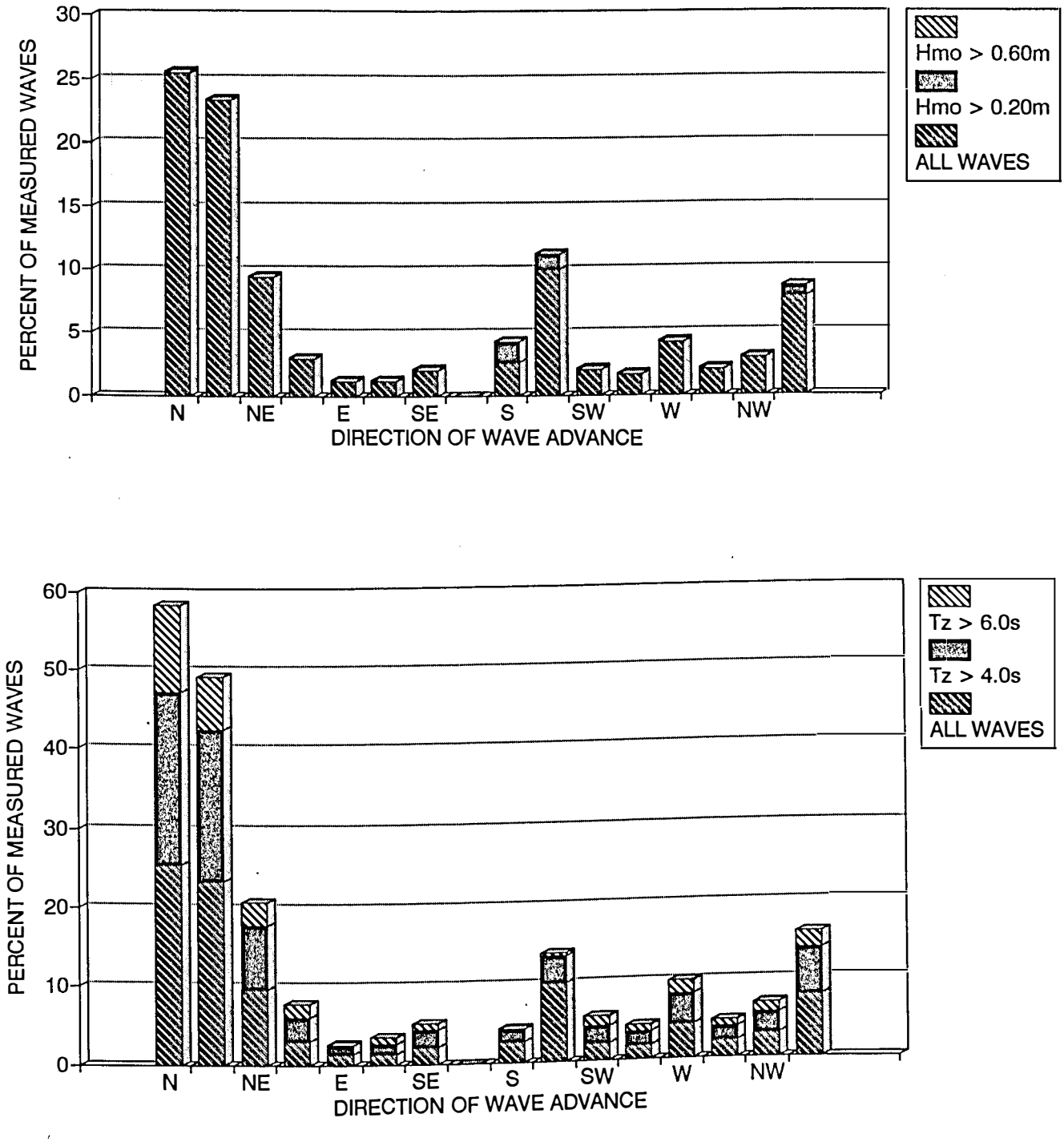
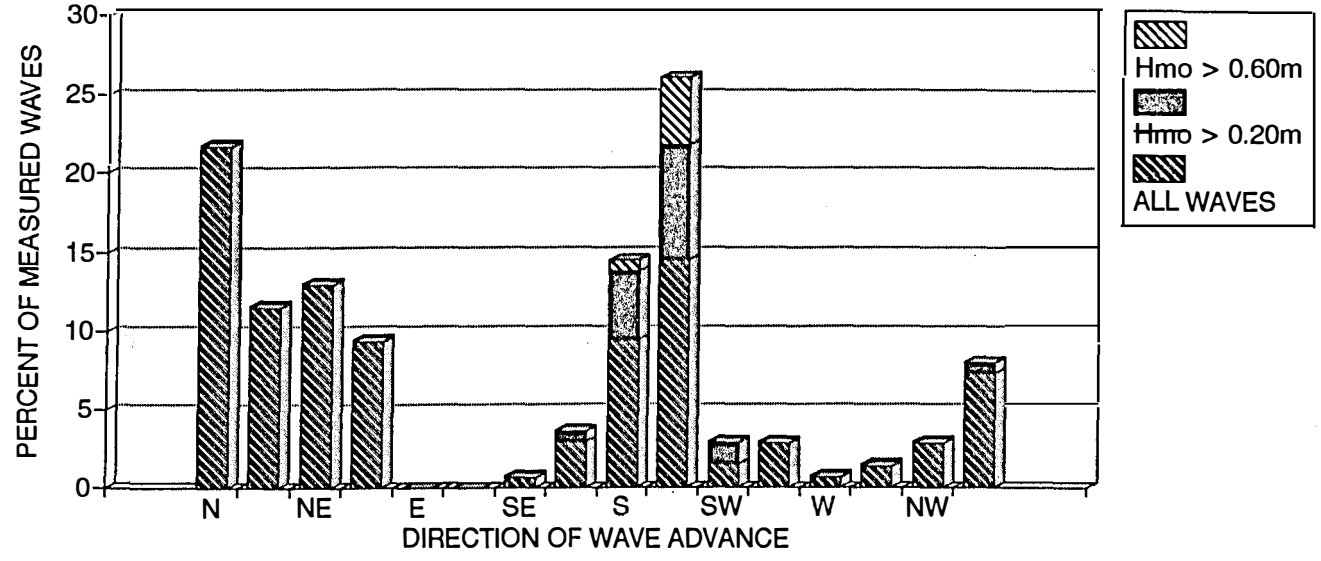


Figure 6. Distribution of wave directions, January 1990.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 2/90 138 WAVE BURSTS



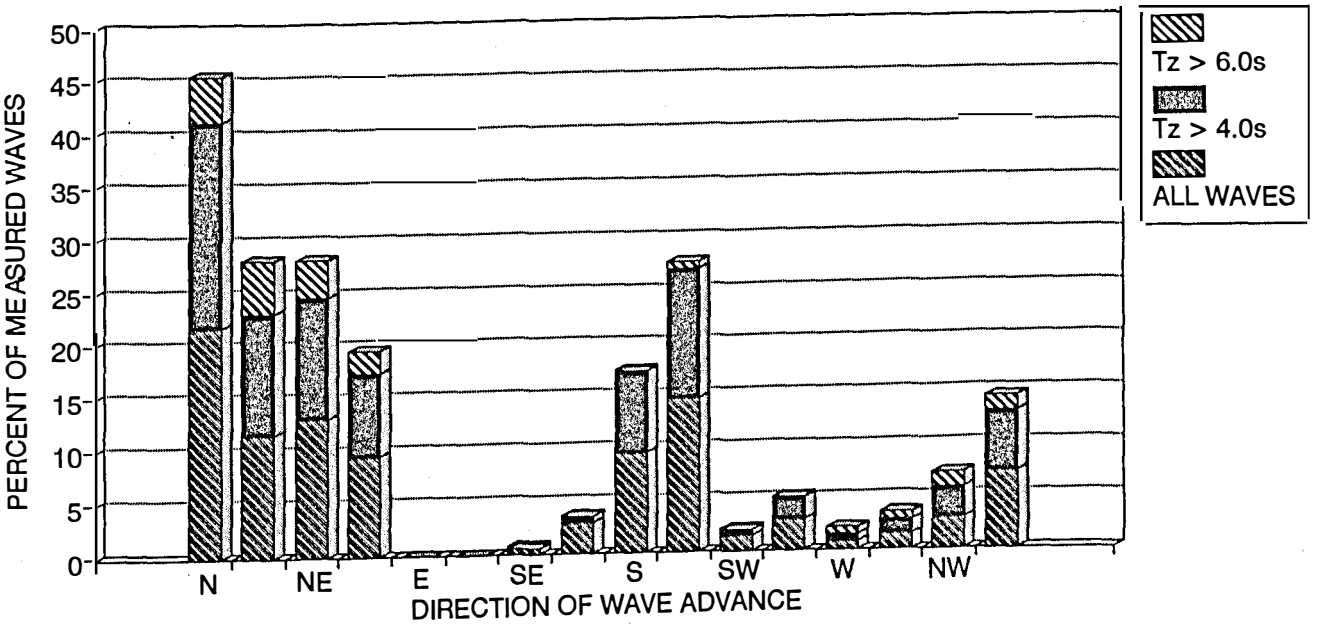
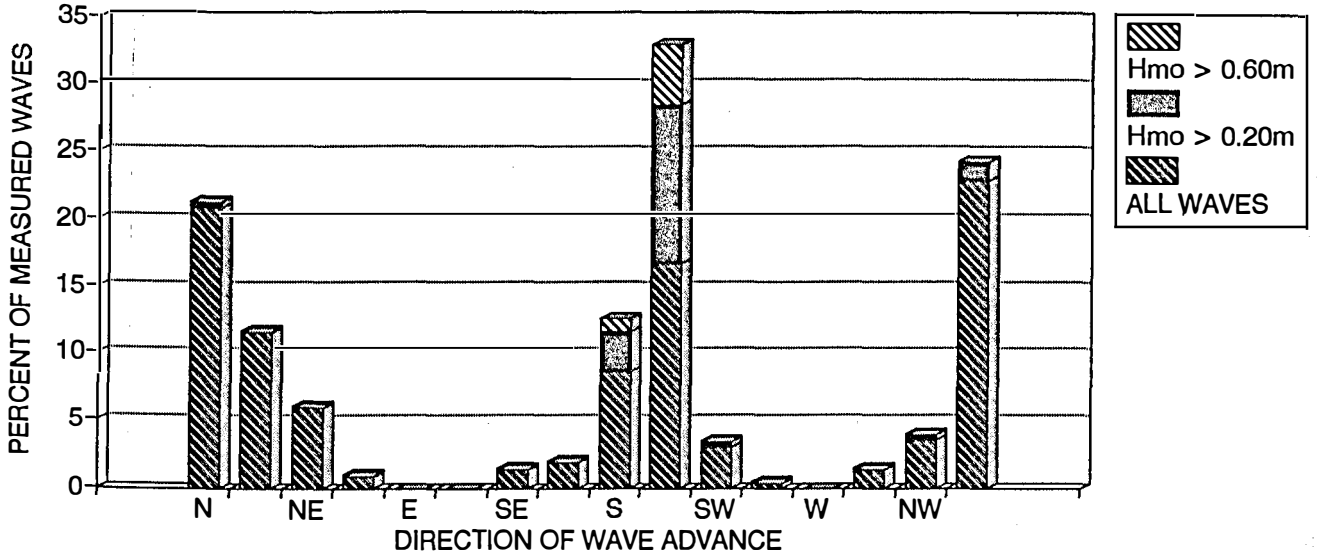


Figure 7. Distribution of wave directions, February 1990.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 3/90 WAVE BURSTS



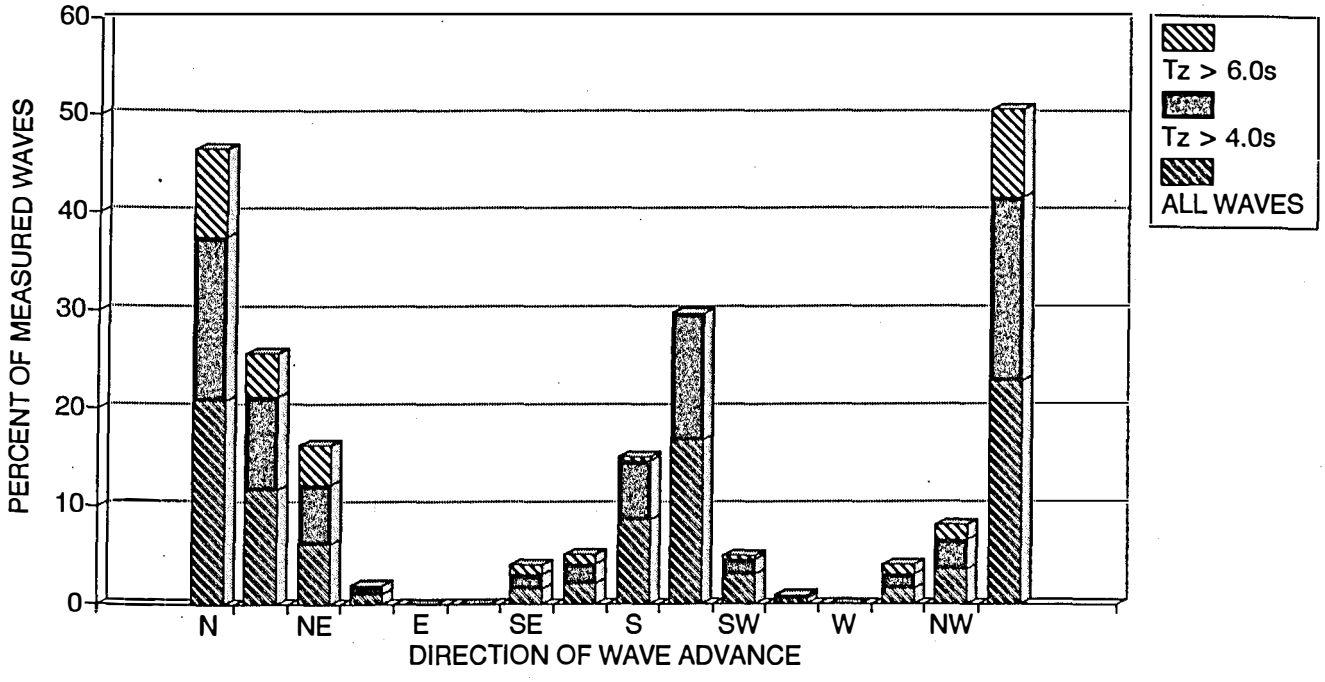


Figure 8. Distribution of wave directions, March 1990.

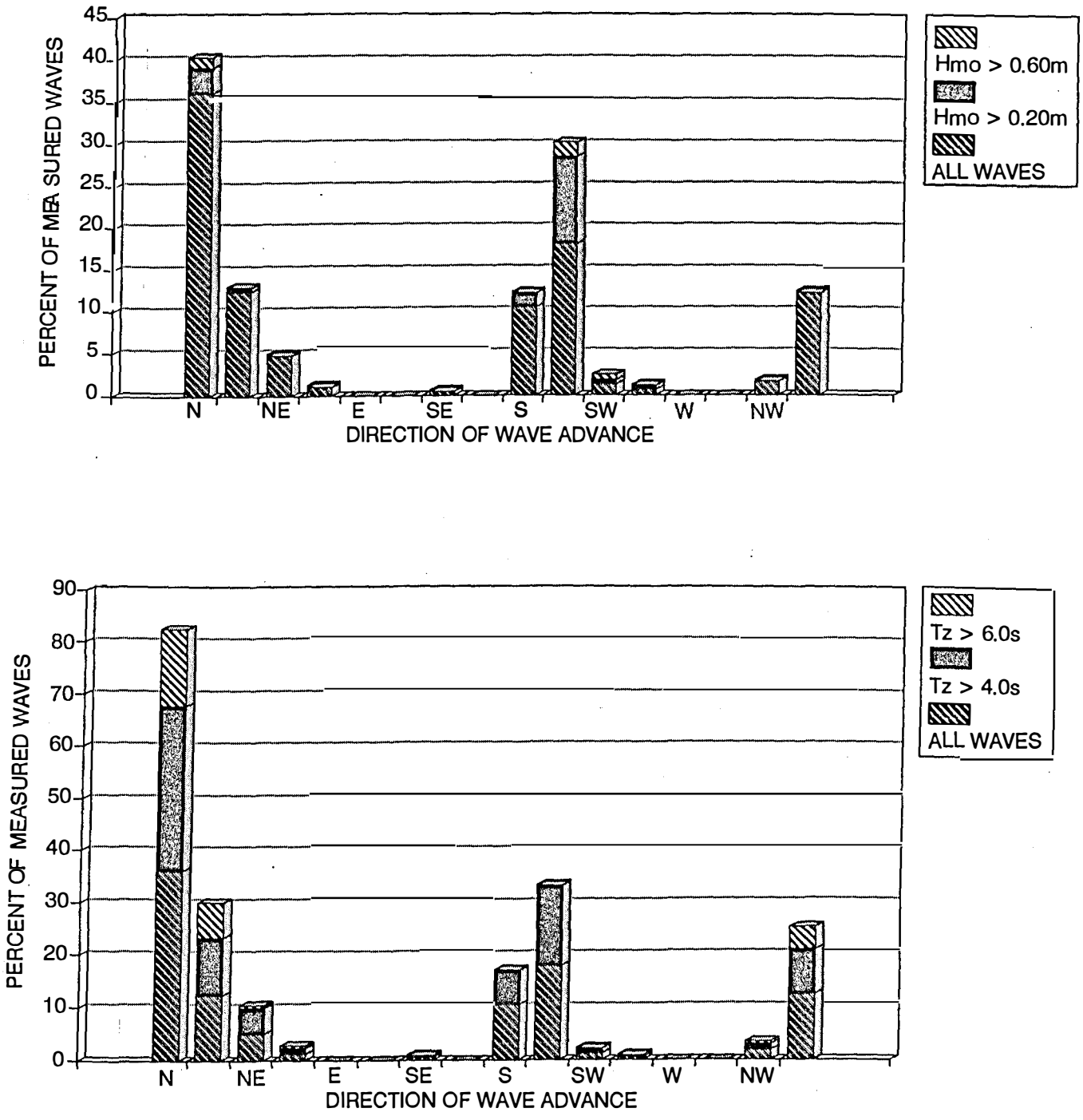
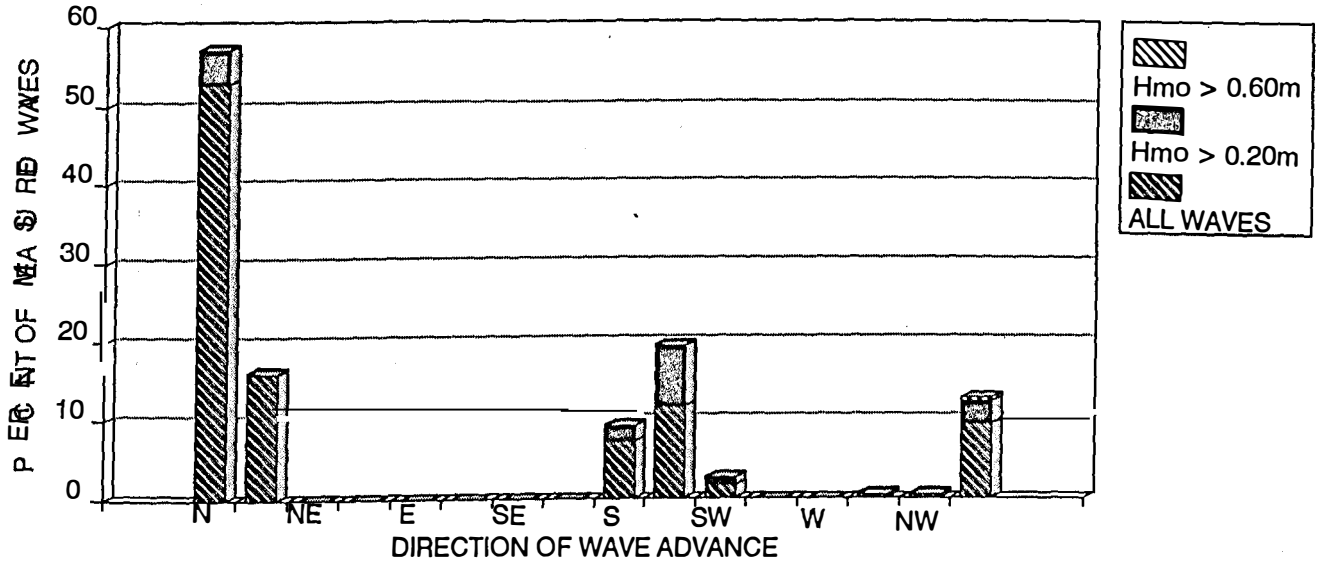


Figure 9. Distribution of wave directions, April 1990.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 5/90 180 WAVE BURSTS



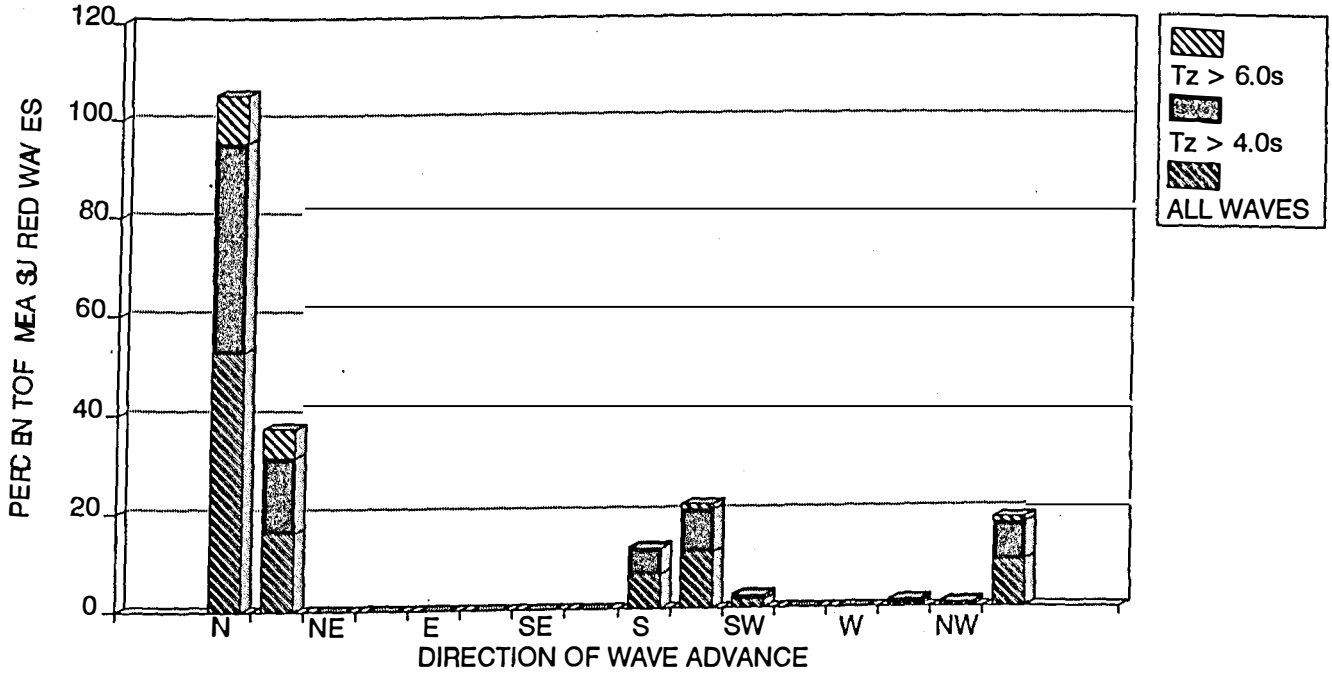
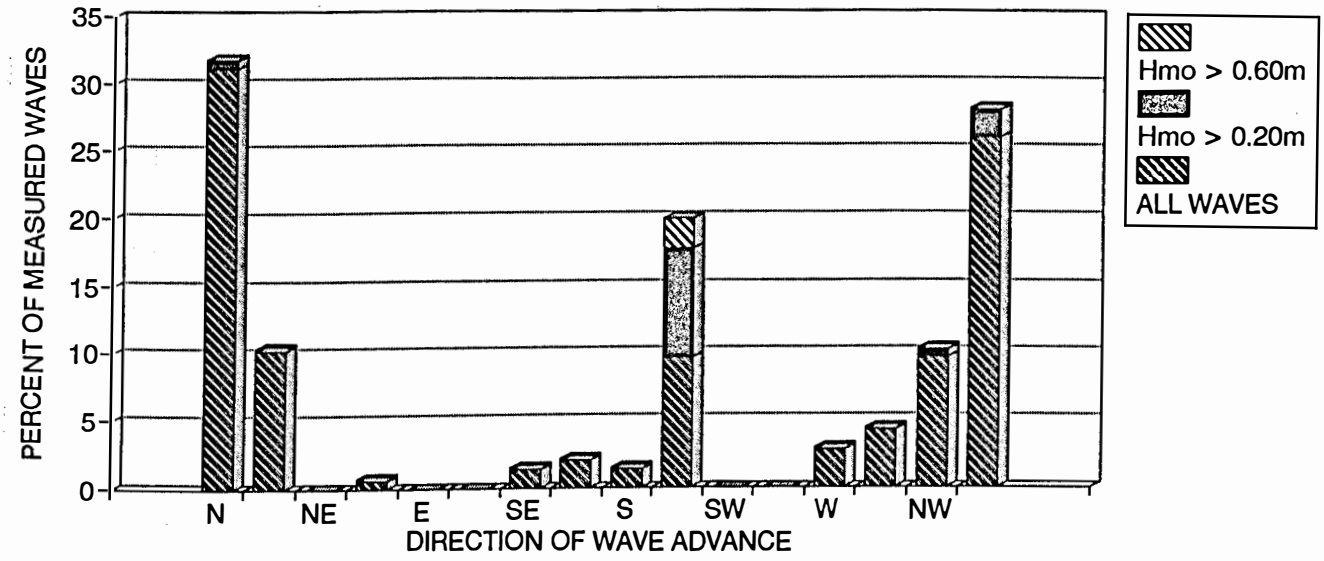


Figure 10. Distribution of wave directions, May 1990.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 6/90 135 WAVE BURSTS



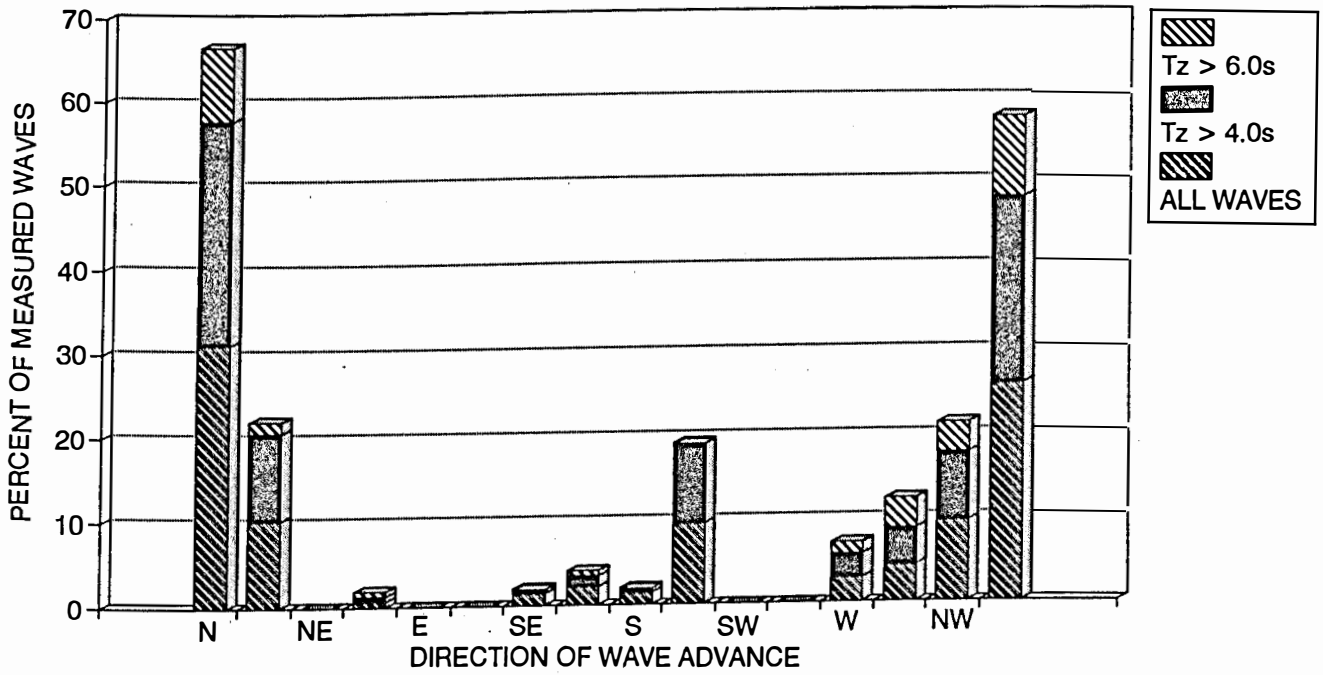
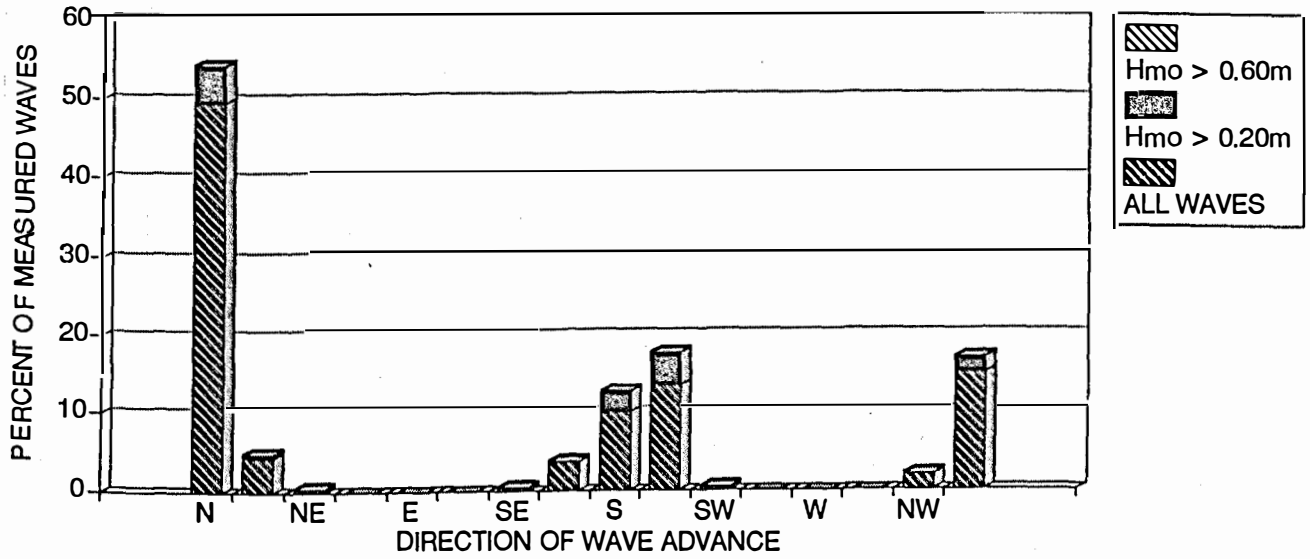


Figure 11. Distribution of wave directions, June 1990.

DISTRIBUTION OF WAVE DIRECTIONS

WOLFTRAP 7/90 180 WAVE BURSTS



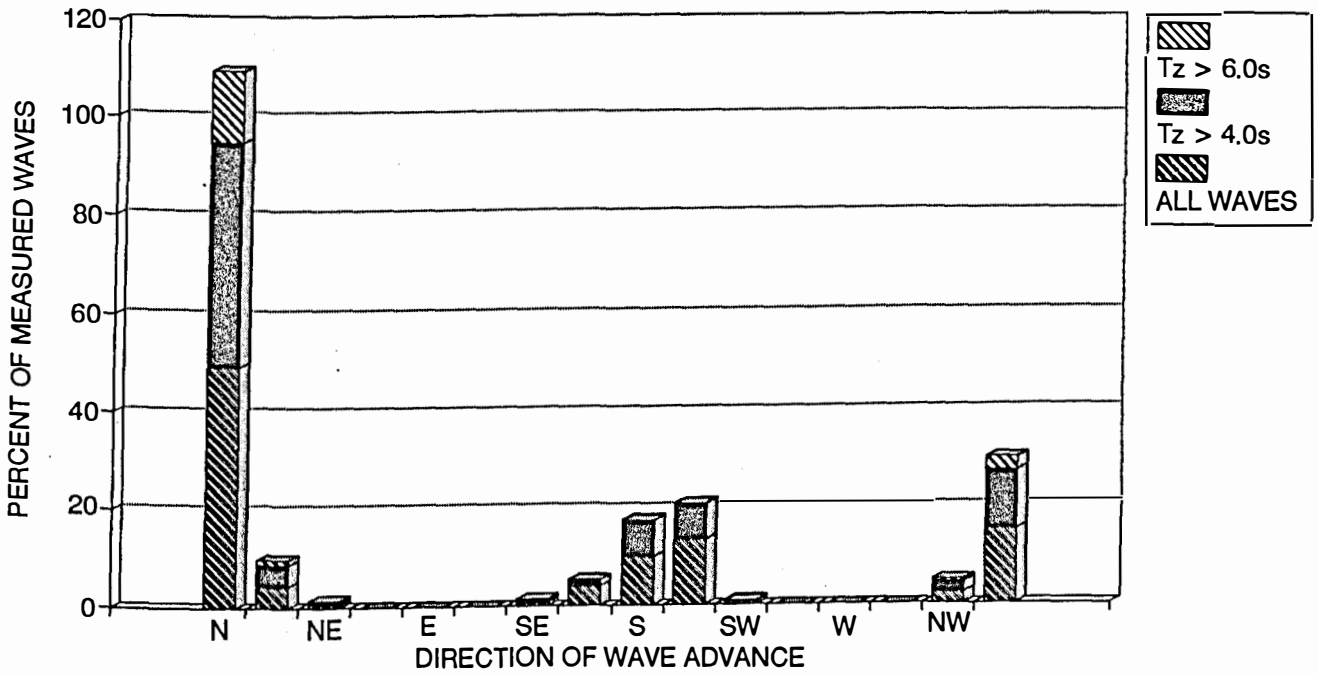
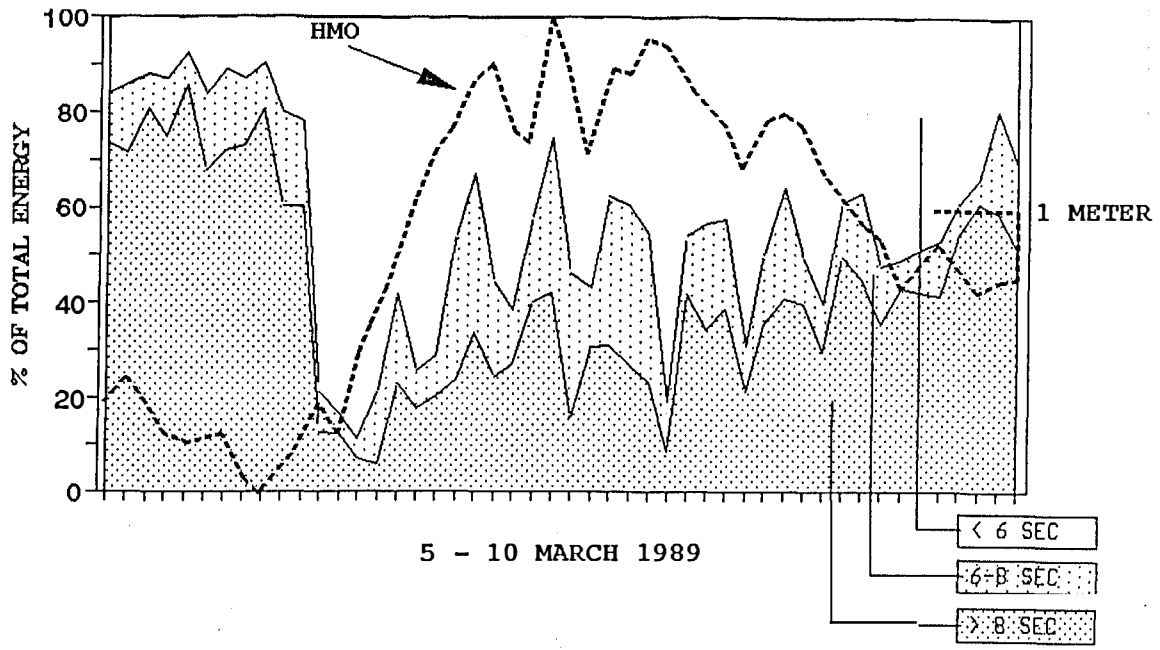


Figure 12. Distribution of wave directions, July 1990.

b. WAVE HEIGHT AND ENERGY SPECTRUM
DURING MARCH STORM AT THIMBLE SHOALS



a. WAVE HEIGHT AND ENERGY SPECTRUM
DURING DECEMBER STORM AT WOLFTRAP

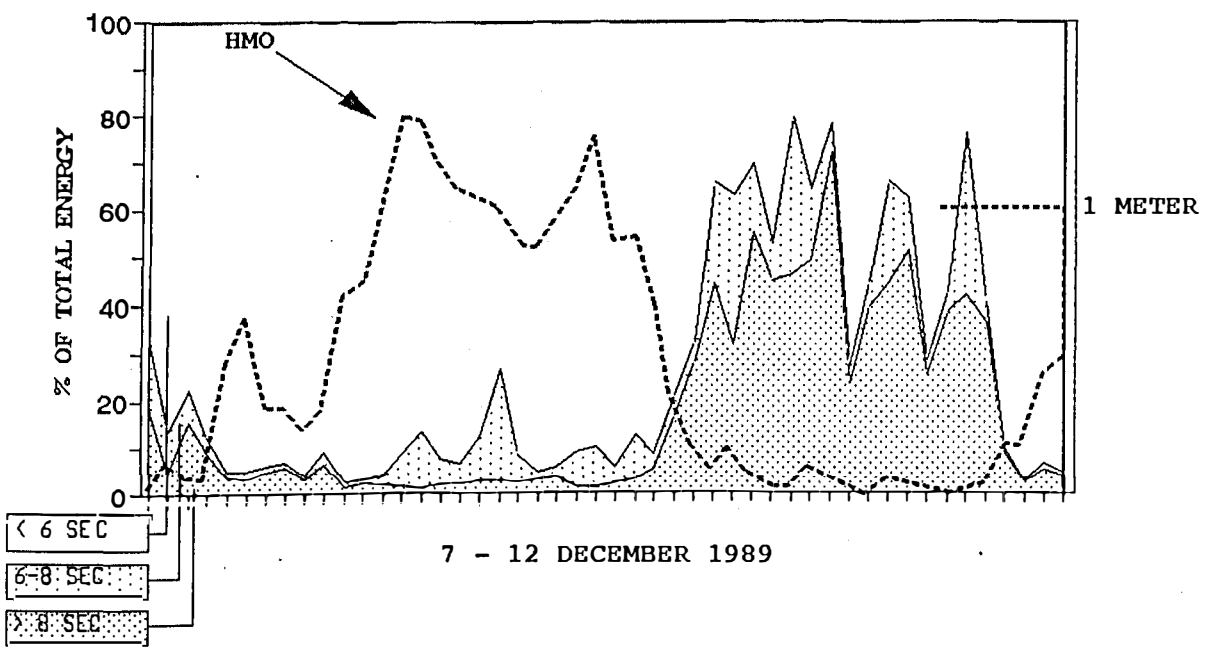


Figure 13. Comparison of winter storm wave parameters for (a) Wolf Trap (b) Thimble Shoals wave stations.

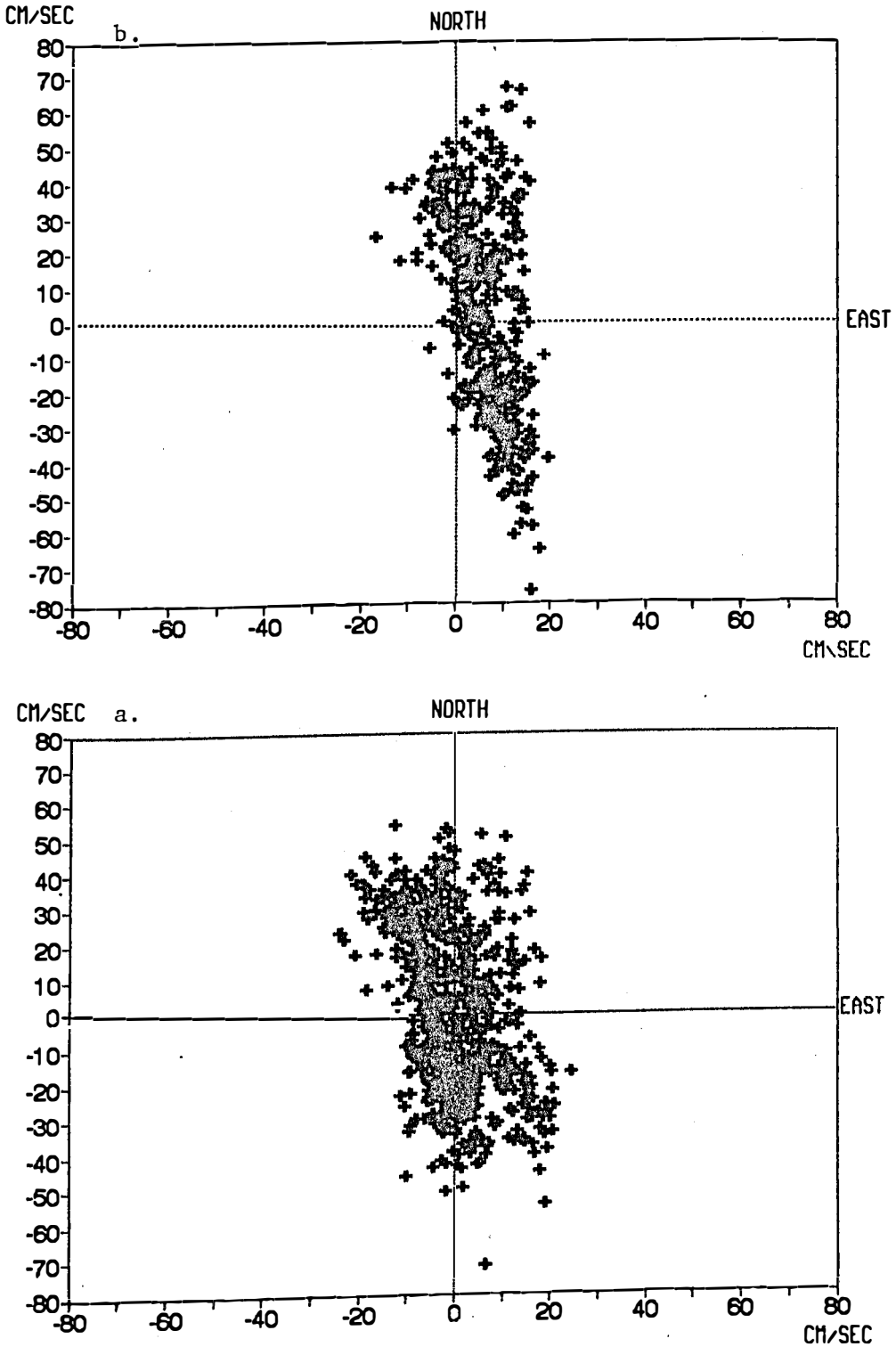


Figure 14. Scatter plots of mean bottom current at Wolf Trap during (a) 6Nov89-31Dec89 (b) 1Jan90-31Mar90.

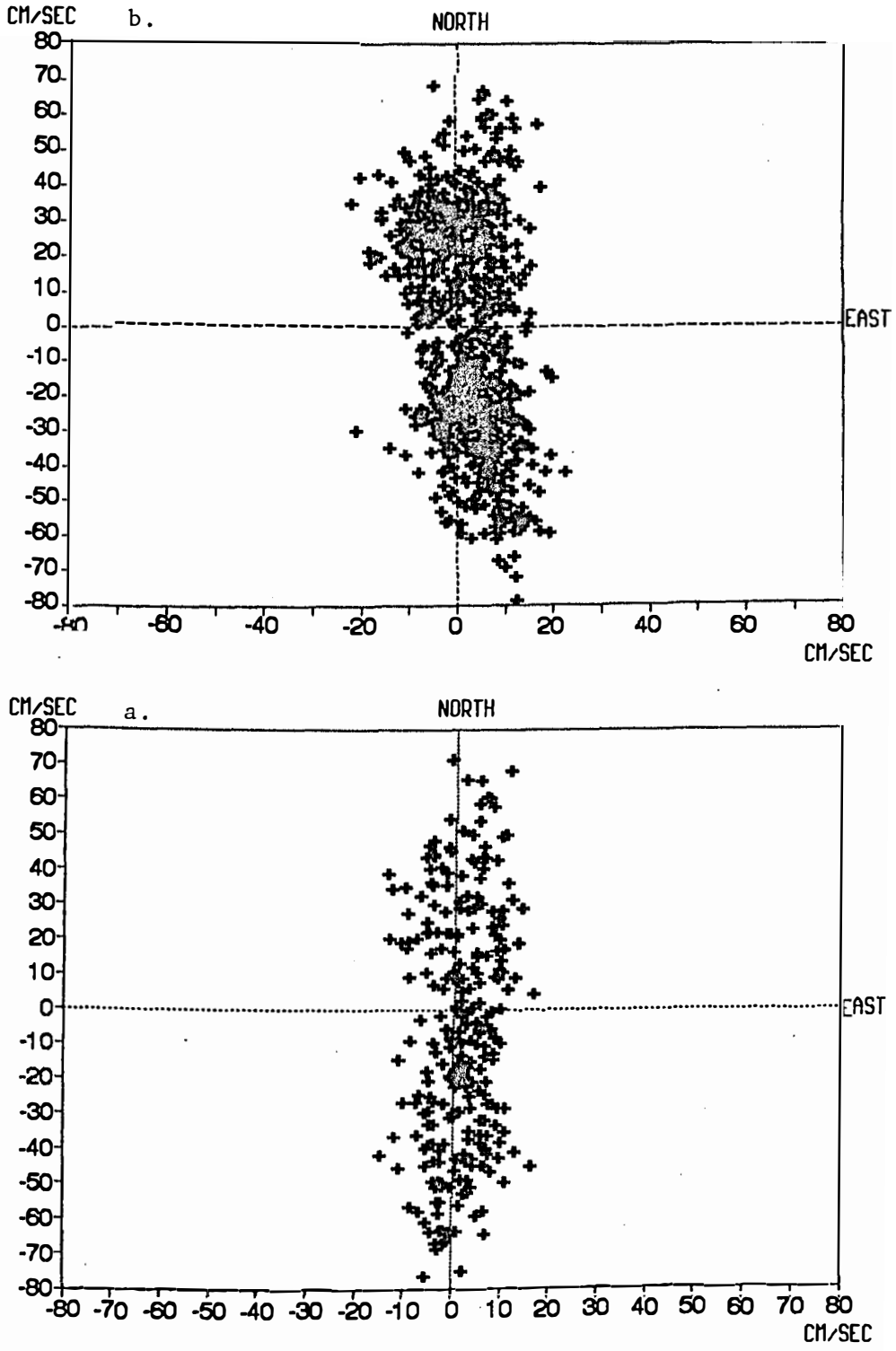
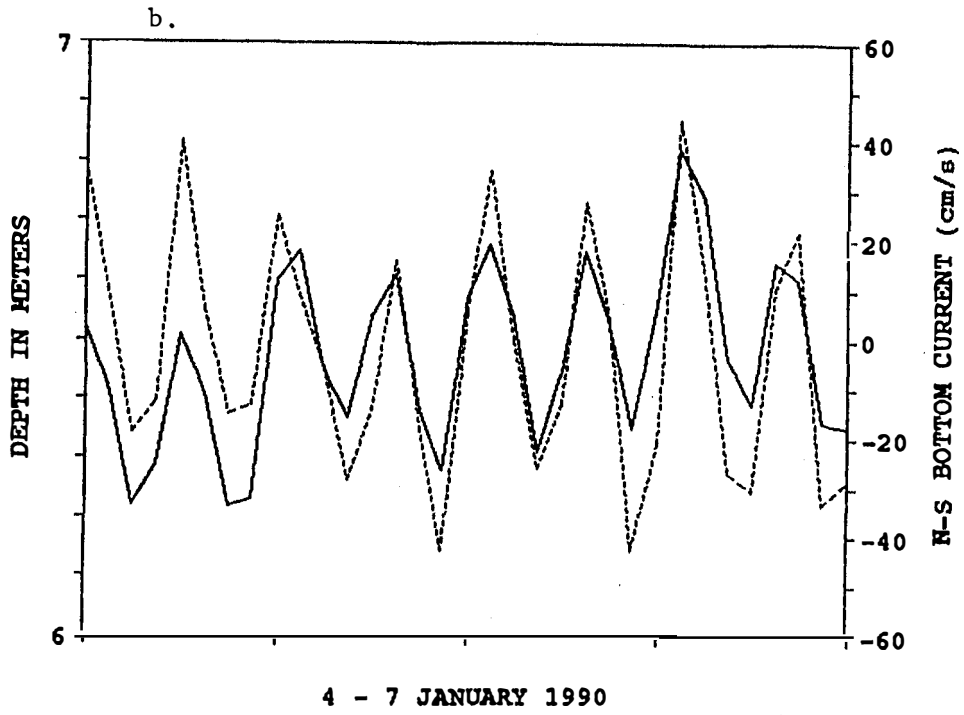


Figure 15. Scatter plots of mean bottom current at Wolf Trap during (a) 1Apr90-30Jun90 (b) 1Jul90-2Aug90.



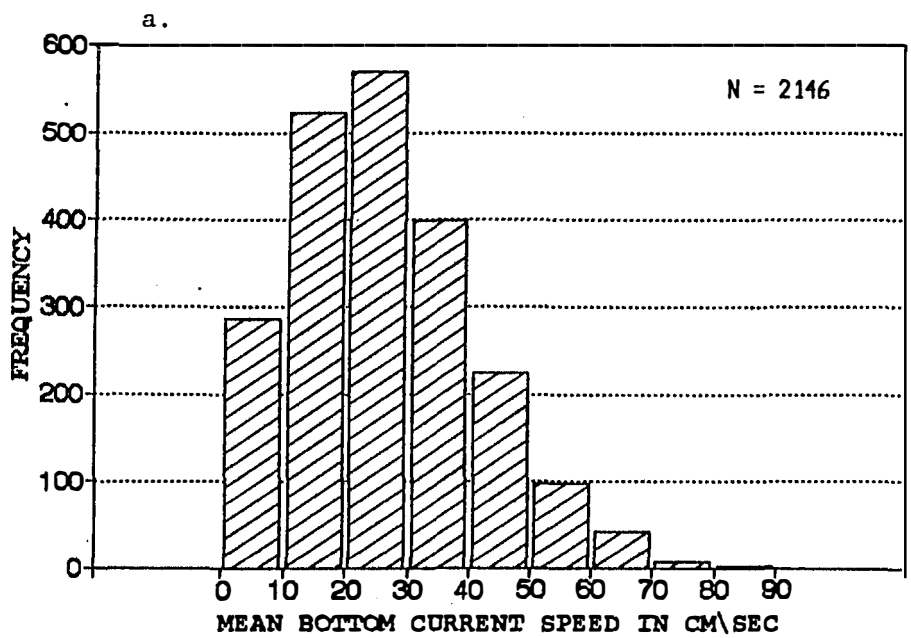


Figure 16. (a) Distribution of bottom current speed (b) temporal variation in depth and north-positive component of bottom current (dashed line) at Wolf Trap wave station.

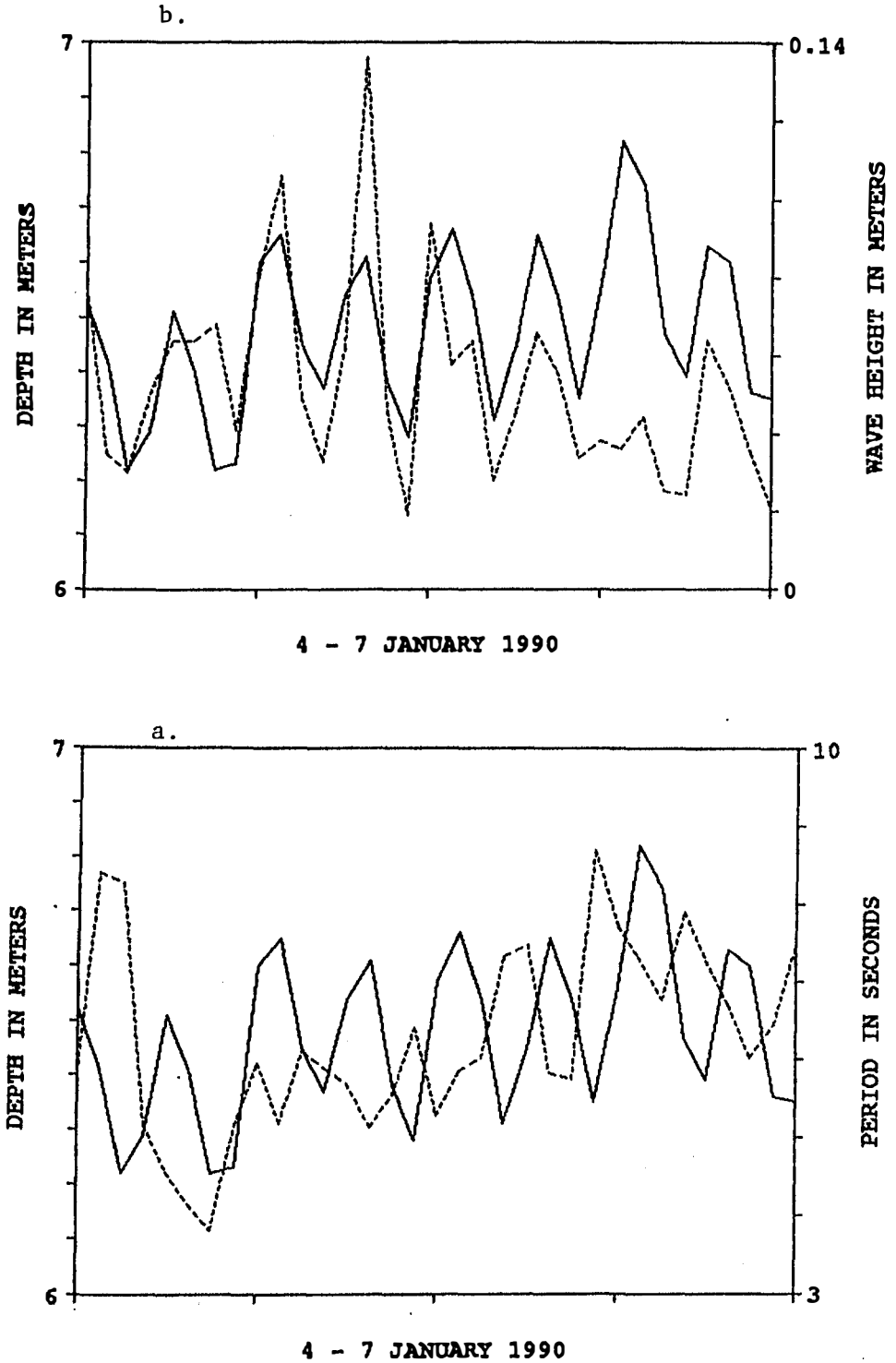


Figure 17. Temporal variation in depth (solid line) and (a) zero up-crossing wave period (b) Hmo wave height at Wolf Trap wave station, 4-7 January, 1990.

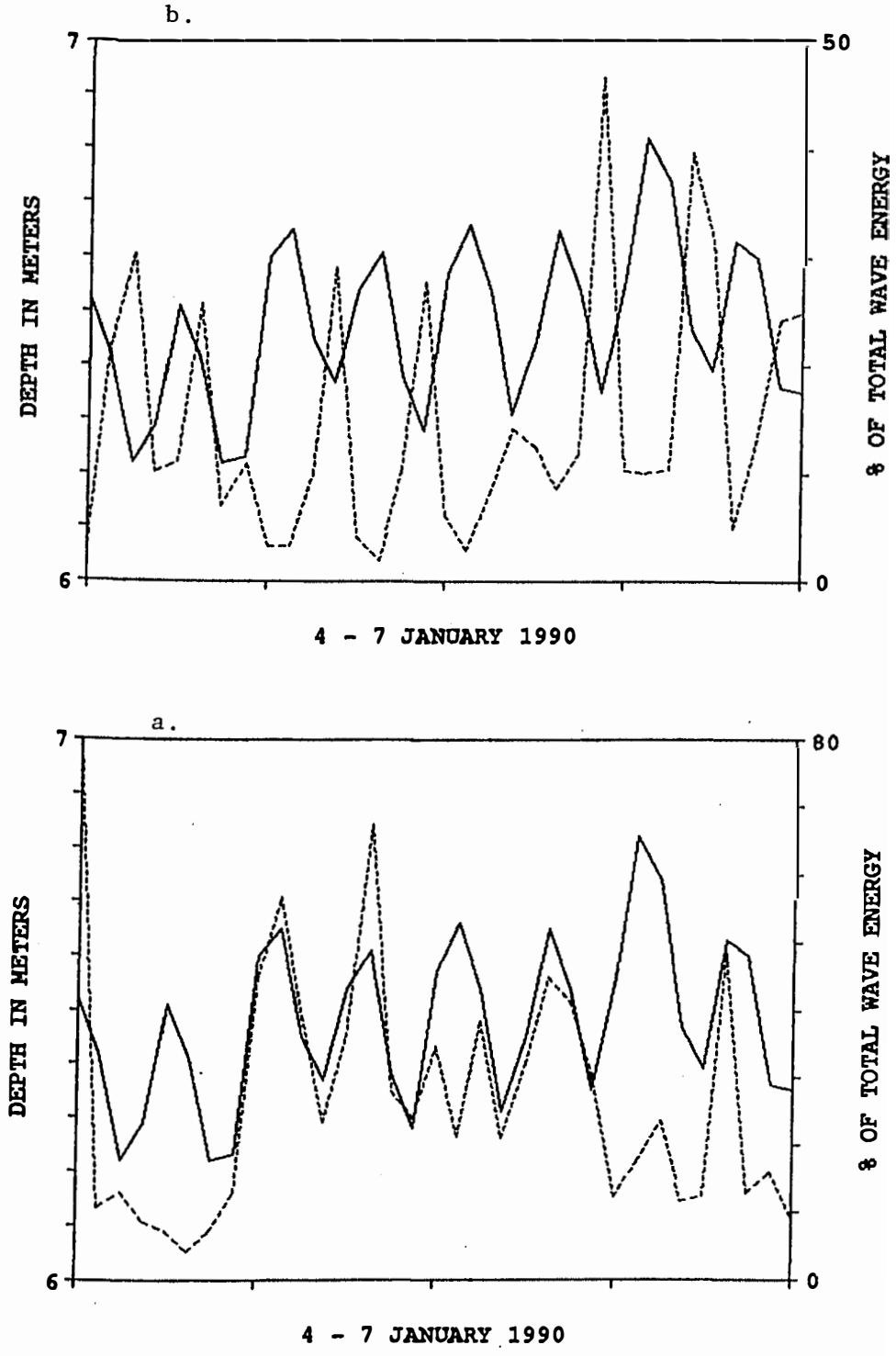


Figure 18. Temporal variation in depth (solid line) and (a) % of total wave energy in 6-4 second band (b) % of total wave energy in >12 second band, 4-7 January, 1990.

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APPENDIX A

Listing of the Wolf Trap Wave Data Base

November 6, 1989, through August 2, 1990

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
11	6	89	310	0.0														M
11	6	89	310	3.0														M
11	6	89	310	6.0														M
11	6	89	310	9.0														M
11	6	89	310	12.0	6.81	19.3	13.6	6.1	0.804	0.099	4.39	10.24	6.62	17.32	9.57	29.05	37.44	G
11	6	89	310	15.0	6.95	40.7	340.7	5.9	0.946	0.078	5.66	5.95	13.23	10.93	14.78	35.41	25.64	S
11	6	89	310	18.0	6.78	7.3	90.1	342.7	0.652	0.063	6.48	12.19	20.92	14.60	8.01	47.42	9.05	G
11	6	89	310	21.0	6.60	36.2	162.5	1.4	0.822	0.036	6.40	5.45	13.43	18.10	15.20	40.75	12.52	S
11	7	89	311	0.0	6.73	24.1	137.3	359.4	0.932	0.081	6.74	6.24	4.13	13.30	55.83	24.06	2.69	S
11	7	89	311	3.0	6.89	33.9	356.2	4.1	0.937	0.086	5.51	5.69	4.29	17.04	10.61	49.80	18.26	S
11	7	89	311	6.0	6.77	20.4	45.9	312.9	0.588	0.063	6.21	6.92	12.42	22.16	17.61	32.65	15.17	G
11	7	89	311	9.0	6.56	38.5	156.2	3.4	0.880	0.036	5.63	11.13	10.72	22.77	20.82	23.26	22.43	S
11	7	89	311	12.0	6.67	21.7	161.4	2.7	0.847	0.082	5.48	5.22	3.54	14.20	7.73	61.87	12.66	S
11	7	89	311	15.0	6.85	39.0	1.9	3.9	0.913	0.074	5.69	4.65	6.54	18.82	10.01	46.06	18.57	S
11	7	89	311	18.0	6.77	37.7	20.2	0.5	0.905	0.060	6.36	8.83	8.68	28.98	14.84	33.58	13.92	S
11	7	89	311	21.0	6.56	28.7	158.1	346.3	0.632	0.053	5.75	4.83	5.73	17.95	14.50	49.36	12.46	G
11	8	89	312	0.0	6.62	22.6	154.8	353.0	0.726	0.044	7.31	6.24	12.90	27.07	20.92	31.80	7.30	G
11	8	89	312	3.0	6.89	39.6	344.6	4.3	0.946	0.078	5.69	5.02	8.62	22.90	12.28	41.67	14.54	S
11	8	89	312	6.0	6.86	28.0	29.8	5.1	0.894	0.071	6.24	9.48	6.78	42.49	9.72	20.40	20.61	S
11	8	89	312	9.0	6.65	27.9	165.1	10.8	0.931	0.050	6.28	9.48	12.73	26.80	13.57	27.15	19.75	S
11	8	89	312	12.0	6.60	38.3	164.1	2.4	0.815	0.062	5.48	3.94	9.05	11.03	10.85	44.51	24.57	S
11	8	89	312	15.0	6.86	28.7	8.6	3.8	0.871	0.110	3.89	3.32	6.76	9.08	8.08	29.44	46.64	S
11	8	89	312	18.0	6.86	39.2	12.6	0.3	0.868	0.081	4.90	8.83	8.40	31.02	5.00	23.79	31.79	S
11	8	89	312	21.0	6.61	31.1	180.6	6.3	0.939	0.062	4.28	3.08	13.29	18.97	4.97	15.41	47.35	S
11	9	89	313	0.0	6.52	44.2	164.0	2.3	0.831	0.158	3.95	4.20	4.69	6.86	1.78	41.89	44.79	S
11	9	89	313	3.0	6.84	28.2	359.5	3.1	0.927	0.117	3.68	3.82	8.78	6.13	6.03	14.93	64.12	S
11	9	89	313	6.0	6.90	40.9	10.0	356.8	0.830	0.165	3.75	3.71	3.25	5.47	3.83	23.51	63.93	S
11	9	89	313	9.0	6.65	19.3	139.8	357.5	0.841	0.131	3.86	3.61	9.11	5.55	3.91	25.78	55.65	G
11	9	89	313	12.0	6.44	45.1	170.5	5.7	0.890	0.188	4.13	4.20	6.68	2.34	1.13	51.26	38.59	S
11	9	89	313	15.0	6.73	10.7	135.3	354.3	0.805	0.114	4.63	4.06	10.13	10.47	5.82	44.49	29.09	G
11	9	89	313	18.0	6.97	30.2	357.5	2.9	0.870	0.169	4.83	5.95	2.60	8.71	18.21	50.95	19.53	S
11	9	89	313	21.0	6.72	21.1	116.9	336.9	0.754	0.097	4.70	5.45	7.56	13.47	14.50	36.09	28.38	G
11	10	89	314	0.0	6.56	78.2	168.3	4.3	0.838	0.057	6.48	6.56	17.72	8.60	47.69	9.21	16.79	S
11	10	89	314	3.0	6.84	5.6	80.1	189.8	0.834	0.159	4.36	3.71	5.81	9.35	18.36	21.68	44.80	G
11	10	89	314	6.0	7.04	62.3	11.0	1.2	0.838	0.134	5.15	7.76	5.76	12.80	21.27	38.48	21.69	S
11	10	89	314	9.0	6.82	22.8	27.2	2.9	0.832	0.090	4.95	9.48	5.64	34.34	10.51	24.01	25.50	S
11	10	89	314	12.0	6.41	26.0	152.0	356.9	0.860	0.462	4.18	4.49	2.25	1.35	0.96	74.36	21.08	S
11	10	89	314	15.0	6.65	19.2	175.4	6.3	0.901	0.296	4.36	4.65	1.93	2.24	1.64	80.58	13.61	S
11	10	89	314	18.0	7.03	27.9	354.5	183.3	0.904	0.124	4.05	3.41	5.08	14.23	11.92	15.27	53.50	S
11	10	89	314	21.0	6.81	13.8	131.7	183.0	0.762	0.075	4.23	3.94	12.62	17.31	3.14	15.88	51.05	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	89	315	0.0	6.56	67.4	164.6	182.1	0.844	0.171	3.61	4.20	3.00	0.80	1.17	37.29	57.74	S
11	11	89	315	3.0	6.69	26.1	164.7	192.4	0.851	0.195	3.81	4.06	2.43	2.30	1.60	54.80	38.88	S
11	11	89	315	6.0	7.03	54.3	7.3	182.0	0.910	0.171	4.32	4.06	6.50	10.88	6.23	53.44	22.96	S
11	11	89	315	9.0	6.92	30.6	23.7	194.9	0.837	0.080	4.90	3.71	7.01	16.84	9.91	30.82	35.42	G
11	11	89	315	12.0	6.49	37.4	156.5	353.1	0.780	0.121	3.88	3.41	5.40	4.11	6.86	42.21	41.41	G
11	11	89	315	15.0	6.36	28.4	169.3	357.5	0.794	0.135	3.82	3.71	4.79	3.15	1.55	28.45	62.05	G
11	11	89	315	18.0	6.77	43.7	357.3	354.7	0.731	0.119	4.63	3.51	27.70	6.32	3.67	12.96	49.35	G
11	11	89	315	21.0	6.74	33.1	23.0	359.4	0.709	0.090	4.15	4.20	7.04	11.63	3.61	43.62	34.10	G
11	12	89	316	0.0	6.37	39.0	161.8	351.3	0.808	0.188	3.94	4.49	3.57	1.40	0.91	51.70	42.42	S
11	12	89	316	3.0	6.35	42.5	166.6	4.4	0.791	0.180	4.25	4.83	2.75	0.75	1.16	65.30	30.04	S
11	12	89	316	6.0	6.81	40.5	355.3	356.6	0.749	0.101	4.21	4.06	5.57	11.48	6.39	40.22	36.34	G
11	12	89	316	9.0	6.91	38.4	20.1	359.6	0.739	0.060	4.15	3.82	15.96	17.72	2.78	19.39	44.14	G
11	12	89	316	12.0	6.56	36.9	154.2	343.6	0.658	0.040	5.12	12.19	29.78	6.64	3.73	28.61	31.23	G
11	12	89	316	15.0	6.37	59.4	166.6	356.0	0.721	0.057	4.00	3.82	15.60	1.94	2.26	18.74	61.45	G
11	12	89	316	18.0	6.71	10.3	21.5	359.0	0.909	0.055	5.45	10.24	12.22	32.54	16.90	4.90	33.44	G
11	12	89	316	21.0	6.84	42.3	14.6	183.8	0.772	0.056	4.81	9.48	14.97	21.08	7.44	18.09	38.41	G
11	13	89	317	0.0	6.53	31.4	148.6	189.5	0.762	0.059	3.92	2.75	23.38	7.78	2.58	18.37	47.89	G
11	13	89	317	3.0	6.39	50.2	168.2	188.1	0.782	0.056	3.08	2.81	8.21	0.91	0.72	2.71	87.44	S
11	13	89	317	6.0	6.82	37.1	0.9	194.9	0.774	0.119	3.84	3.71	4.33	5.87	8.03	13.65	68.11	G
11	13	89	317	9.0	7.01	67.4	11.9	179.4	0.777	0.067	4.11	3.41	15.63	10.84	3.01	19.67	50.85	S
11	13	89	317	12.0	6.78	15.5	67.3	331.1	0.711	0.075	3.62	2.94	9.93	9.40	2.04	14.36	64.27	G
11	13	89	317	15.0	6.40	60.6	164.6	346.6	0.748	0.106	3.84	3.71	7.81	1.69	1.64	31.44	57.43	G
11	13	89	317	18.0	6.59	8.4	152.1	352.9	0.862	0.157	3.84	3.94	3.29	3.79	3.49	26.36	63.06	G
11	13	89	317	21.0	6.84	50.5	11.3	354.9	0.732	0.100	3.44	3.51	3.67	3.01	2.46	10.49	80.36	S
11	14	89	318	0.0	6.64	12.4	93.3	343.4	0.756	0.081	4.10	4.34	12.94	6.57	4.72	33.27	42.50	G
11	14	89	318	3.0	6.36	54.9	165.0	357.8	0.679	0.078	3.79	4.20	6.34	2.63	1.95	40.51	48.56	G
11	14	89	318	6.0	6.66	4.9	144.3	0.0	0.852	0.072	4.39	7.31	9.80	17.43	16.76	5.50	50.52	G
11	14	89	318	9.0	7.02	67.5	9.2	1.3	0.740	0.072	3.95	4.20	7.95	10.27	5.43	25.02	51.33	G
11	14	89	318	12.0	6.86	26.9	28.1	1.3	0.726	0.092	5.39	4.65	5.59	9.54	10.25	60.70	13.92	G
11	14	89	318	15.0	6.45	55.8	164.4	356.6	0.679	0.052	5.28	7.31	8.33	4.34	31.73	37.89	17.70	G
11	14	89	318	18.0	6.46	40.3	167.7	353.8	0.723	0.029	4.65	2.94	17.03	10.67	8.48	22.71	41.11	G
11	14	89	318	21.0	6.82	48.2	359.4	347.9	0.713	0.129	4.45	4.83	2.15	7.73	5.26	59.98	24.87	G
11	15	89	319	0.0	6.71	23.2	20.5	347.1	0.686	0.108	4.57	5.22	5.57	7.22	10.94	48.28	27.99	G
11	15	89	319	3.0	6.40	49.1	164.9	346.9	0.744	0.106	3.94	3.82	5.04	2.80	5.09	28.16	58.91	G
11	15	89	319	6.0	6.45	32.7	165.3	355.9	0.798	0.100	4.02	4.06	6.19	3.49	2.42	41.07	46.83	G
11	15	89	319	9.0	6.88	60.2	5.6	359.3	0.839	0.183	4.30	4.49	4.17	3.45	4.23	67.01	21.14	G
11	15	89	319	12.0	6.85	43.4	19.9	346.9	0.723	0.144	5.17	5.95	3.00	5.75	22.19	50.91	18.15	G
11	15	89	319	15.0	6.48	37.3	156.2	338.0	0.647	0.084	5.54	7.76	5.26	16.64	25.15	30.20	22.74	G
11	15	89	319	18.0	6.34	38.7	168.6	3.3	0.719	0.061	3.95	3.32	14.67	5.47	7.66	15.81	56.38	G
11	15	89	319	21.0	6.62	28.6	354.8	343.9	0.829	0.294	4.18	4.20	2.38	4.12	7.22	56.18	30.10	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	89	320	0.0	6.70	47.0	12.3	342.0	0.704	0.202	3.81	3.41	2.78	5.82	14.25	26.66	50.48	G
11	16	89	320	3.0	6.40	25.1	144.6	330.2	0.807	0.195	4.05	3.71	2.40	7.88	10.46	27.05	52.21	G
11	16	89	320	6.0	6.26	22.1	156.9	339.9	0.846	0.710	4.51	4.83	0.86	0.78	1.48	81.66	15.22	G
11	16	89	320	9.0	6.59	56.9	2.5	334.2	0.803	1.137	4.72	4.65	1.11	1.30	5.18	82.13	10.28	G
11	16	89	320	12.0	6.78	42.8	21.5	333.8	0.761	0.495	4.63	4.49	3.32	14.13	7.03	54.42	21.10	G
11	16	89	320	15.0	6.59	39.9	162.8	351.2	0.707	0.177	4.57	4.06	8.30	7.20	4.23	51.43	28.84	G
11	16	89	320	18.0	6.36	62.1	168.4	346.7	0.683	0.074	4.06	4.06	20.22	3.46	3.19	30.25	42.89	G
11	16	89	320	21.0	6.58	26.8	165.8	350.1	0.635	0.066	4.63	4.06	8.24	14.23	9.01	37.78	30.74	G
11	17	89	321	0.0	6.82	22.6	8.7	183.8	0.766	0.117	4.55	9.48	4.27	26.03	7.05	15.93	46.71	G
11	17	89	321	3.0	6.61	17.8	165.4	178.4	0.731	0.087	4.08	3.16	10.81	13.97	3.42	15.73	56.07	G
11	17	89	321	6.0	6.42	49.1	162.3	180.3	0.766	0.055	3.58	3.71	9.08	4.62	1.63	22.71	61.97	G
11	17	89	321	9.0	6.66	5.0	38.9	188.5	0.743	0.123	4.85	5.95	11.15	10.45	20.74	27.25	30.41	G
11	17	89	321	12.0	6.86	61.7	10.1	186.9	0.770	0.088	5.00	8.83	8.20	28.30	6.62	20.23	36.66	G
11	17	89	321	15.0	6.69	20.9	32.0	15.0	0.724	0.069	5.66	10.24	10.62	30.31	4.49	21.62	32.96	G
11	17	89	321	18.0	6.42	43.0	164.0	352.8	0.729	0.052	4.11	3.16	18.92	14.75	3.09	12.49	50.76	G
11	17	89	321	21.0	6.44	22.4	172.0	8.2	0.783	0.083	4.16	3.08	6.73	20.69	4.43	9.89	58.26	G
11	18	89	322	0.0	6.69	43.0	1.6	3.3	0.766	0.132	3.95	9.48	4.46	31.32	3.54	6.29	54.39	G
11	18	89	322	3.0	6.58	14.1	59.7	349.6	0.793	0.136	3.81	3.82	8.52	15.45	1.87	17.07	57.09	G
11	18	89	322	6.0	6.38	34.5	163.9	349.7	0.822	0.156	3.94	3.82	5.53	5.07	2.17	37.58	49.66	G
11	18	89	322	9.0	6.45	24.5	168.5	0.9	0.823	0.166	4.11	4.49	3.03	5.65	0.66	59.61	31.06	G
11	18	89	322	12.0	6.73	42.1	355.2	8.9	0.660	0.112	4.20	9.48	4.46	29.76	5.34	15.40	45.03	G
11	18	89	322	15.0	6.68	26.8	23.6	0.3	0.780	0.107	4.06	10.24	16.84	17.05	1.92	10.91	53.27	G
11	18	89	322	18.0	6.53	34.5	164.2	347.8	0.666	0.058	3.88	4.06	17.80	10.59	1.64	23.43	46.54	G
11	18	89	322	21.0	6.52	50.1	164.7	186.4	0.804	0.212	3.63	4.06	2.75	0.82	1.01	30.27	65.15	G
11	19	89	323	0.0	6.81	12.3	17.2	201.5	0.918	0.654	4.53	4.83	1.99	1.12	1.70	78.50	16.69	G
11	19	89	323	3.0	6.86	21.6	10.8	193.3	0.916	0.475	4.41	5.02	2.75	1.72	4.21	73.14	18.18	G
11	19	89	323	6.0	6.65	23.7	148.3	185.5	0.853	0.317	4.28	4.20	3.24	1.38	1.92	68.63	24.83	G
11	19	89	323	9.0	6.55	27.9	154.0	193.0	0.831	0.210	4.03	4.49	3.22	2.48	2.68	57.28	34.35	G
11	19	89	323	12.0	6.76	33.7	6.8	196.1	0.857	0.176	4.18	3.94	3.04	5.82	3.73	47.90	39.51	G
11	19	89	323	15.0	6.72	47.5	16.0	192.3	0.812	0.113	4.55	4.49	6.22	7.37	1.79	56.01	28.61	G
11	19	89	323	18.0	6.54	13.8	77.1	3.3	0.717	0.061	4.53	10.24	19.01	21.60	2.98	18.56	37.85	G
11	19	89	323	21.0	6.36	24.7	159.1	357.0	0.886	0.231	3.88	3.94	3.88	2.51	1.63	32.34	59.64	G
11	20	89	324	0.0	6.49	7.3	21.1	359.6	0.806	0.250	3.81	4.06	6.69	2.89	2.60	38.75	49.07	G
11	20	89	324	3.0	6.61	22.7	14.6	353.3	0.763	0.300	4.05	4.49	2.94	2.11	1.67	64.70	28.59	G
11	20	89	324	6.0	6.50	21.1	142.1	345.5	0.852	0.279	4.11	4.20	4.33	1.82	1.55	66.09	26.21	G
11	20	89	324	9.0	6.30	32.3	160.5	2.0	0.809	0.246	4.23	4.20	2.74	1.27	2.13	62.80	31.06	G
11	20	89	324	12.0	6.38	9.2	216.0	8.0	0.828	0.237	3.94	4.49	2.91	2.55	1.89	54.78	37.86	G
11	20	89	324	15.0	6.50	37.2	356.2	1.3	0.766	0.163	3.79	3.94	4.11	7.73	2.43	35.75	49.98	G
11	20	89	324	18.0	6.35	14.6	32.8	358.4	0.791	0.145	3.74	3.71	4.59	4.85	2.16	23.01	65.39	G
11	20	89	324	21.0	6.08	23.6	178.1	356.7	0.892	0.347	4.13	4.20	2.33	1.02	1.72	69.70	25.24	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	21	89	325	0.0	6.10	26.9	165.5	356.6	0.793	0.190	4.36	5.02	1.42	1.35	1.52	68.18	27.53	G
11	21	89	325	3.0	6.56	7.4	121.5	201.5	0.904	0.895	4.88	5.22	1.01	0.40	1.74	87.41	9.43	G
11	21	89	325	6.0	6.63	19.0	149.4	189.1	0.892	0.764	4.59	5.02	3.03	0.98	8.69	57.05	30.25	G
11	21	89	325	9.0	6.29	37.3	165.0	192.7	0.884	0.923	4.65	5.02	1.19	0.75	3.64	79.02	15.40	G
11	21	89	325	12.0	6.27	31.9	162.1	195.3	0.884	0.852	4.76	5.45	1.90	1.10	13.54	65.00	18.45	G
11	21	89	325	15.0	6.54	24.4	5.8	195.2	0.930	0.770	5.07	5.45	0.80	0.61	7.98	79.26	11.35	G
11	21	89	325	18.0	6.47	18.5	28.5	194.9	0.948	0.892	5.09	5.69	0.51	0.37	3.82	86.83	8.48	G
11	21	89	325	21.0	6.23	32.3	156.5	188.0	0.920	0.804	4.49	4.83	1.33	0.62	2.83	71.55	23.67	G
11	22	89	326	0.0	6.17	20.7	159.1	194.8	0.902	0.695	4.49	4.83	1.81	0.71	2.43	75.61	19.44	G
11	22	89	326	3.0	6.42	24.6	5.6	192.0	0.937	0.665	4.70	5.02	1.93	0.47	2.27	82.63	12.69	G
11	22	89	326	6.0	6.50	32.5	2.6	186.2	0.922	0.505	4.72	5.02	1.30	0.48	2.96	80.82	14.44	G
11	22	89	326	9.0	6.39	15.0	76.1	189.4	0.896	0.390	4.39	4.65	1.85	1.16	1.01	80.36	15.61	G
11	22	89	326	12.0	6.30	23.0	158.1	196.4	0.749	0.109	3.86	3.61	5.51	3.29	5.98	29.20	56.02	G
11	22	89	326	15.0	6.50	20.5	10.0	181.8	0.767	0.070	4.47	3.82	9.86	10.16	8.92	26.46	44.60	G
11	22	89	326	18.0	6.57	33.3	12.5	24.5	0.600	0.043	5.25	5.69	15.24	14.17	11.36	29.97	29.25	G
11	22	89	326	21.0	6.48	20.7	131.2	213.2	0.811	0.298	3.86	3.94	5.58	1.98	1.10	31.23	60.10	G
11	23	89	327	0.0	6.45	29.7	160.8	204.0	0.840	0.455	4.08	4.34	4.50	1.40	1.05	63.63	29.43	G
11	23	89	327	3.0	6.81	5.4	35.3	202.8	0.919	1.107	4.92	5.02	0.98	0.40	2.48	86.67	9.47	G
11	23	89	327	6.0	7.05	5.6	52.9	191.6	0.912	1.112	5.25	5.69	0.79	0.67	17.46	73.09	7.99	G
11	23	89	327	9.0	6.87	31.5	163.0	186.4	0.908	0.910	5.00	5.69	1.46	1.59	11.37	71.34	14.25	G
11	23	89	327	12.0	6.73	30.2	165.4	195.6	0.864	0.645	4.70	5.45	1.56	0.75	4.09	79.33	14.28	G
11	23	89	327	15.0	6.74	9.3	134.5	195.6	0.891	0.467	4.38	4.65	3.47	1.50	2.98	74.16	17.89	G
11	23	89	327	18.0	6.88	25.8	15.0	192.1	0.932	0.481	4.38	4.49	2.70	2.36	3.34	76.77	14.83	G
11	23	89	327	21.0	6.80	13.5	31.3	195.4	0.935	0.477	4.57	5.02	1.79	1.64	2.46	78.14	15.97	G
11	24	89	328	0.0	6.64	21.8	180.4	194.5	0.859	0.233	4.00	4.83	3.78	2.91	2.48	65.78	25.05	G
11	24	89	328	3.0	6.83	14.1	17.8	185.0	0.785	0.171	5.79	3.94	24.55	16.71	5.72	20.86	32.16	G
11	24	89	328	6.0	7.08	46.1	8.0	189.9	0.802	0.193	4.57	4.34	4.37	15.73	5.83	52.51	21.55	G
11	24	89	328	9.0	6.99	23.4	36.4	189.1	0.810	0.144	4.79	4.20	10.05	9.84	4.90	48.33	26.88	G
11	24	89	328	12.0	6.76	23.6	158.1	1.5	0.667	0.104	6.21	12.19	52.12	11.21	5.08	6.68	24.90	G
11	24	89	328	15.0	6.83	21.7	162.5	358.0	0.589	0.059	7.76	11.13	14.28	44.65	10.39	14.64	16.04	G
11	24	89	328	18.0	7.07	33.7	349.3	328.2	0.712	0.071	7.11	8.83	14.77	32.27	14.81	31.57	6.59	G
11	24	89	328	21.0	6.96	16.2	25.6	14.8	0.643	0.057	8.83	13.47	45.17	28.09	8.17	14.07	4.52	G
11	25	89	329	0.0	6.69	34.7	157.9	0.8	0.649	0.043	5.79	11.13	30.16	31.17	3.62	4.44	30.62	G
11	25	89	329	3.0	6.75	21.4	159.2	12.6	0.820	0.147	3.97	3.61	12.55	9.98	2.84	22.60	52.03	G
11	25	89	329	6.0	7.01	40.0	352.7	357.6	0.709	0.161	3.92	3.51	4.71	16.66	4.37	27.75	46.50	G
11	25	89	329	9.0	6.93	28.9	27.5	10.1	0.826	0.126	3.66	3.08	23.44	10.37	2.98	5.07	58.15	G
11	25	89	329	12.0	6.63	27.2	168.0	355.9	0.806	0.183	3.92	4.20	8.70	2.92	1.10	40.34	46.94	G
11	25	89	329	15.0	6.55	35.0	164.2	3.4	0.825	0.190	4.27	4.83	2.23	2.30	1.20	67.45	26.82	G
11	25	89	329	18.0	6.76	19.4	335.4	2.0	0.797	0.122	4.03	3.51	4.93	12.41	6.50	31.13	45.03	G
11	25	89	329	21.0	6.69	16.6	342.6	348.1	0.780	0.131	3.71	4.20	7.86	8.00	3.01	27.49	53.64	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
11	26	89	330	0.0	6.40	28.1	169.2	3.2	0.844	0.149	3.88	3.94	6.24	2.80	0.91	43.26	46.80	G
11	26	89	330	3.0	6.36	34.9	164.7	5.8	0.818	0.160	3.88	4.06	2.76	1.92	1.73	53.11	40.48	G
11	26	89	330	6.0	6.64	31.8	351.9	354.4	0.818	0.249	4.03	4.20	1.88	2.16	2.25	68.84	24.86	G
11	26	89	330	9.0	6.67	35.4	17.2	356.1	0.779	0.151	3.79	4.49	4.25	2.05	3.58	51.44	38.68	G
11	26	89	330	12.0	6.38	25.7	156.2	349.6	0.717	0.131	4.13	3.71	12.26	3.81	1.95	43.82	38.15	G
11	26	89	330	15.0	6.25	34.3	163.0	5.4	0.775	0.055	4.02	3.82	23.45	2.30	1.13	18.70	54.43	G
11	26	89	330	18.0	6.50	10.3	41.8	9.0	0.837	0.044	5.45	9.48	20.30	19.24	16.66	16.79	27.00	G
11	26	89	330	21.0	6.60	35.9	12.2	1.9	0.657	0.065	4.59	3.94	15.92	8.28	3.10	42.28	30.42	G
11	27	89	331	0.0	6.41	14.7	134.5	351.3	0.770	0.052	5.22	4.65	8.75	11.14	5.30	54.43	20.38	G
11	27	89	331	3.0	6.39	22.0	138.5	353.3	0.753	0.087	5.28	5.02	17.82	5.88	1.80	56.97	17.53	G
11	27	89	331	6.0	6.76	40.6	357.8	183.8	0.813	0.074	3.82	3.71	11.68	5.32	4.61	31.43	46.96	G
11	27	89	331	9.0	6.86	58.7	15.4	188.6	0.757	0.055	3.88	3.61	13.23	5.80	3.23	30.77	46.97	G
11	27	89	331	12.0	6.72	13.9	77.1	177.7	0.699	0.053	4.25	5.45	17.64	6.84	5.71	23.62	46.19	G
11	27	89	331	15.0	6.53	35.1	153.4	355.0	0.701	0.053	3.86	4.83	17.25	2.96	4.13	36.83	38.84	G
11	27	89	331	18.0	6.73	6.5	95.6	346.7	0.766	0.056	5.04	4.83	10.05	11.75	20.48	37.65	20.07	G
11	27	89	331	21.0	6.85	39.1	13.2	1.6	0.708	0.052	4.72	6.56	11.39	6.06	15.85	39.79	26.91	G
11	28	89	332	0.0	6.66	16.0	131.5	338.1	0.728	0.070	5.82	4.83	28.59	4.49	5.31	48.25	13.35	G
11	28	89	332	3.0	6.49	44.8	162.9	348.7	0.661	0.051	5.17	5.45	11.49	2.08	4.22	67.56	14.65	G
11	28	89	332	6.0	6.73	11.4	356.3	345.9	0.868	0.123	3.92	3.82	4.73	2.63	8.90	30.20	53.53	G
11	28	89	332	9.0	6.88	38.5	11.9	4.8	0.697	0.123	3.97	4.49	6.50	3.34	5.15	48.93	36.08	G
11	28	89	332	12.0	6.75	13.8	51.5	346.9	0.588	0.127	4.21	3.24	26.07	4.68	8.20	13.78	47.27	G
11	28	89	332	15.0	6.44	50.0	165.2	346.0	0.767	0.144	4.15	3.94	4.24	1.75	4.46	35.39	54.16	G
11	28	89	332	18.0	6.58	27.4	162.2	359.6	0.763	0.086	4.79	6.56	3.54	2.22	32.74	38.09	23.40	G
11	28	89	332	21.0	6.90	22.5	2.4	173.3	0.840	0.162	3.89	6.24	4.67	2.25	21.34	26.78	44.96	G
11	29	89	333	0.0	6.73	9.2	146.7	186.3	0.820	0.148	3.52	3.51	3.84	6.41	6.52	12.84	70.40	G
11	29	89	333	3.0	6.54	50.8	163.1	190.0	0.800	0.357	4.02	4.49	3.68	1.21	1.56	60.14	33.41	G
11	29	89	333	6.0	6.69	12.4	155.7	195.6	0.825	0.332	3.91	4.06	4.37	0.88	1.67	45.50	47.58	G
11	29	89	333	9.0	6.99	33.4	3.3	194.3	0.920	0.745	4.74	4.83	0.84	0.43	1.40	88.53	8.80	G
11	29	89	333	12.0	6.83	14.9	56.4	191.8	0.928	0.693	4.72	5.45	1.06	0.45	1.65	86.11	10.73	G
11	29	89	333	15.0	6.52	42.9	164.8	189.0	0.857	0.372	4.03	4.06	3.65	0.66	1.18	63.51	31.00	G
11	29	89	333	18.0	6.55	18.1	157.3	199.1	0.873	0.336	4.02	4.34	3.78	0.85	1.44	61.36	32.58	G
11	29	89	333	21.0	6.80	26.6	3.5	194.6	0.923	0.557	4.39	4.49	2.44	0.61	1.05	87.89	8.01	G
11	30	89	334	0.0	6.70	14.0	34.2	191.9	0.945	0.374	4.36	4.65	1.95	0.99	1.89	77.26	17.90	G
11	30	89	334	3.0	6.38	32.4	159.8	187.4	0.833	0.154	3.92	3.71	4.25	1.02	1.72	47.67	45.35	G
11	30	89	334	6.0	6.46	5.2	91.6	5.8	0.855	0.063	3.95	3.32	18.98	6.69	10.70	16.45	47.17	G
11	30	89	334	9.0	6.66	46.7	6.8	8.5	0.729	0.059	3.53	3.16	10.96	3.24	7.34	13.15	65.31	G
11	30	89	334	12.0	6.65	22.3	31.5	5.0	0.747	0.064	3.46	3.16	6.37	2.80	2.07	15.61	73.15	G
11	30	89	334	15.0	6.41	35.4	161.3	3.9	0.752	0.062	4.55	3.71	33.07	3.69	2.37	19.83	41.03	G
11	30	89	334	18.0	6.39	25.6	165.1	12.0	0.917	0.038	3.86	3.51	17.09	4.88	2.97	11.03	64.02	S
11	30	89	334	21.0	6.67	19.2	11.3	2.1	0.789	0.050	5.69	9.48	26.41	14.49	13.64	10.40	35.06	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	1	89	335	0.0	6.73	14.2	3.2	203.2	0.894	0.394	4.25	4.65	3.62	0.90	1.10	74.98	19.41	G
12	1	89	335	3.0	6.49	31.2	163.2	190.7	0.828	0.223	3.92	4.34	2.57	0.95	1.49	55.10	39.90	S
12	1	89	335	6.0	6.49	22.8	157.0	189.7	0.771	0.125	4.03	4.49	3.08	0.76	1.16	53.46	41.55	G
12	1	89	335	9.0	6.76	47.3	355.3	184.4	0.849	0.071	4.53	4.49	6.91	3.80	13.64	55.55	20.10	S
12	1	89	335	12.0	6.77	39.1	21.4	198.4	0.727	0.041	5.28	4.06	28.07	6.07	9.58	27.33	28.95	G
12	1	89	335	15.0	6.55	24.1	139.3	332.4	0.661	0.041	5.33	7.31	13.05	12.31	19.70	25.68	29.27	G
12	1	89	335	18.0	6.44	43.3	168.8	12.4	0.861	0.031	4.53	4.20	27.57	5.40	6.93	21.68	38.42	S
12	1	89	335	21.0	6.67	13.2	7.1	359.2	0.802	0.057	4.47	5.69	15.43	8.92	8.99	30.37	36.28	G
12	2	89	336	0.0	6.78	36.2	12.8	188.2	0.795	0.091	3.64	3.61	5.93	2.68	3.21	19.83	68.35	G
12	2	89	336	3.0	6.61	13.6	130.9	184.3	0.813	0.100	3.61	3.51	9.89	4.66	3.72	10.33	71.39	G
12	2	89	336	6.0	6.57	25.4	157.8	190.8	0.705	0.054	3.75	3.01	16.35	3.75	4.27	19.92	55.71	G
12	2	89	336	9.0	6.81	38.7	3.9	0.4	0.729	0.093	3.56	5.02	2.45	2.06	4.63	40.21	50.65	G
12	2	89	336	12.0	6.83	43.5	14.9	6.9	0.837	0.094	3.24	3.24	2.89	0.49	0.57	2.42	93.63	G
12	2	89	336	15.0	6.65	15.5	57.2	353.7	0.763	0.145	3.45	3.51	2.02	1.67	1.14	7.03	88.13	G
12	2	89	336	18.0	6.45	24.5	154.6	356.9	0.867	0.366	4.06	4.20	3.07	1.57	1.43	69.92	24.01	S
12	2	89	336	21.0	6.61	2.2	270.5	345.7	0.846	0.243	4.06	4.49	2.65	1.92	0.91	80.44	14.07	G
12	3	89	337	0.0	6.79	28.0	7.3	353.0	0.785	0.114	3.74	3.32	5.55	5.50	5.89	32.23	50.84	G
12	3	89	337	3.0	6.74	35.7	160.8	187.1	0.860	0.479	4.13	3.94	4.53	1.33	3.37	58.18	32.60	G
12	3	89	337	6.0	6.60	48.2	165.3	190.5	0.825	0.287	4.13	4.65	3.76	1.24	3.43	57.02	34.56	S
12	3	89	337	9.0	6.74	18.5	165.2	191.8	0.861	0.340	4.08	4.06	3.60	1.47	2.75	68.14	24.05	G
12	3	89	337	12.0	6.86	22.1	9.2	185.0	0.908	0.418	4.34	4.83	4.56	1.21	2.96	68.26	23.01	G
12	3	89	337	15.0	6.80	13.8	141.4	188.2	0.928	0.757	4.74	4.83	1.28	0.67	6.75	78.39	12.91	G
12	3	89	337	18.0	6.51	38.2	163.2	187.4	0.888	0.592	4.51	4.65	1.85	1.22	1.99	79.31	15.63	G
12	3	89	337	21.0	6.46	32.5	162.4	195.3	0.899	0.881	4.72	4.83	1.15	0.77	3.96	80.27	13.84	G
12	4	89	338	0.0	6.62	9.7	21.4	198.1	0.933	0.804	5.07	5.45	1.06	0.74	10.95	74.57	12.69	G
12	4	89	338	3.0	6.51	16.3	9.7	192.9	0.934	0.669	4.85	4.65	1.59	0.73	5.26	78.63	13.80	G
12	4	89	338	6.0	6.29	10.8	163.2	193.1	0.919	0.353	4.47	4.65	1.83	0.52	2.71	71.72	23.22	G
12	4	89	338	9.0	6.26	6.1	41.9	193.5	0.913	0.190	4.38	4.20	4.24	1.04	1.63	69.82	23.28	G
12	4	89	338	12.0	6.46	52.6	8.2	196.7	0.795	0.134	4.27	5.02	4.49	1.93	2.75	65.09	25.73	G
12	4	89	338	15.0	6.42	34.5	20.2	196.4	0.762	0.050	3.82	4.06	10.16	7.01	2.83	41.37	38.63	G
12	4	89	338	18.0	6.28	14.1	115.0	174.9	0.761	0.074	4.30	5.22	9.05	5.82	3.46	50.97	30.70	G
12	4	89	338	21.0	6.22	15.4	150.7	352.5	0.853	0.140	3.57	3.61	3.92	3.43	1.80	12.14	78.71	G
12	5	89	339	0.0	6.47	41.3	358.1	0.5	0.761	0.153	3.56	3.82	3.61	1.42	1.56	12.58	80.82	G
12	5	89	339	3.0	6.50	16.3	35.8	355.5	0.726	0.090	3.54	3.51	2.81	2.12	1.52	8.50	85.06	G
12	5	89	339	6.0	6.41	28.5	160.8	354.9	0.656	0.060	4.38	3.82	11.26	8.16	5.58	28.77	46.23	G
12	5	89	339	9.0	6.36	32.7	159.4	357.4	0.782	0.031	5.09	3.32	33.61	7.04	3.21	24.78	31.35	G
12	5	89	339	12.0														M
12	5	89	339	15.5	6.83	20.0	12.5	345.6	0.727	0.059	4.79	4.06	14.88	11.84	5.30	39.65	28.34	G
12	5	89	339	18.5	6.67	20.4	157.9	138.7	0.830	0.061	5.51	4.20	11.84	12.90	3.29	57.12	14.85	G
12	5	89	339	21.5	6.58	31.8	162.5	133.3	0.859	0.023	6.44	10.24	29.72	17.39	7.18	31.26	14.46	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	89	340	0.5	6.87	14.7	3.6	6.2	0.664	0.049	6.92	8.26	6.80	35.66	22.43	27.46	7.66	G
12	6	89	340	3.5	6.91	31.9	9.6	131.1	0.749	0.075	4.55	3.71	7.27	9.71	4.77	28.90	49.36	G
12	6	89	340	6.5	6.75	7.7	52.9	162.1	0.903	0.048	5.82	8.83	17.34	19.01	4.75	28.27	30.63	G
12	6	89	340	9.5	6.66	20.5	160.7	335.4	0.823	0.065	3.57	3.32	14.98	8.67	1.25	7.05	68.05	G
12	6	89	340	12.5	6.87	15.1	10.7	348.5	0.837	0.069	4.32	8.26	9.54	16.26	16.34	24.94	32.92	G
12	6	89	340	15.5	6.95	29.6	9.0	128.8	0.842	0.046	4.70	3.16	20.53	12.63	7.72	20.57	38.55	S
12	6	89	340	18.5	6.78	7.3	101.6	341.5	0.911	0.071	5.54	4.83	35.51	6.36	3.26	28.40	26.46	G
12	6	89	340	21.5	6.57	17.4	132.3	146.7	0.799	0.040	4.72	3.94	12.65	4.11	4.59	38.35	40.30	G
12	7	89	341	0.5	6.77	6.7	81.1	312.6	0.745	0.045	5.04	6.24	11.29	7.05	14.53	38.29	28.83	G
12	7	89	341	3.5	7.06	31.7	357.8	349.1	0.782	0.144	4.57	4.49	2.97	1.67	9.10	65.94	20.32	G
12	7	89	341	6.5	7.01	5.5	43.1	317.7	0.868	0.090	4.92	4.83	8.82	6.59	7.10	59.38	18.11	G
12	7	89	341	9.5	6.87	31.8	157.2	129.1	0.872	0.081	3.75	3.41	5.85	3.25	3.39	29.09	58.41	S
12	7	89	341	12.5	6.98	12.8	163.4	186.5	0.719	0.474	4.15	4.20	2.53	0.74	1.62	72.93	22.18	S
12	7	89	341	15.5	7.22	31.1	354.1	189.2	0.845	0.653	4.65	5.02	2.21	0.91	1.79	83.01	12.07	G
12	7	89	341	18.5	7.09	12.8	23.4	187.9	0.835	0.332	4.16	4.34	3.62	1.14	1.36	76.89	16.99	G
12	7	89	341	21.5	6.81	33.1	162.4	164.8	0.785	0.331	3.89	4.20	4.42	1.21	1.17	51.81	41.40	S
12	8	89	342	0.5	6.93	6.5	134.6	202.2	0.757	0.256	3.81	3.82	2.20	0.72	0.92	36.88	59.28	S
12	8	89	342	3.5	7.19	40.9	358.1	178.9	0.700	0.307	4.15	4.06	5.13	1.17	2.94	69.09	21.67	G
12	8	89	342	6.5	7.19	17.6	15.2	192.2	0.891	0.702	4.68	4.83	0.97	0.49	1.10	88.90	8.55	G
12	8	89	342	9.5	6.96	32.2	158.3	190.1	0.695	0.752	4.34	4.65	1.49	0.58	1.07	86.65	10.22	G
12	8	89	342	12.5	6.91	30.0	165.6	205.6	0.726	0.992	4.57	4.65	1.50	0.41	2.02	87.72	8.35	G
12	8	89	342	15.5	7.23	2.6	19.6	197.5	0.857	1.326	5.22	5.69	1.15	0.41	6.83	84.25	7.36	G
12	8	89	342	18.5	7.27	3.2	103.6	195.4	0.854	1.308	5.45	5.95	0.49	0.44	12.28	78.53	8.26	G
12	8	89	342	21.5	6.99	32.4	160.3	198.9	0.815	1.154	5.09	5.02	1.26	0.78	5.47	81.67	10.81	G
12	9	89	343	0.5	6.92	28.9	160.9	196.3	0.809	1.075	4.61	5.22	1.05	1.00	4.36	81.86	11.73	G
12	9	89	343	3.5	7.25	18.7	358.7	193.0	0.872	1.044	5.17	5.45	1.49	1.24	9.46	77.83	9.98	G
12	9	89	343	6.5	7.35	23.8	10.0	188.6	0.888	1.017	5.57	5.69	0.72	2.05	23.98	67.98	5.27	G
12	9	89	343	9.5	7.10	22.8	150.0	186.3	0.777	0.880	5.02	5.95	1.22	1.22	6.03	80.95	10.57	G
12	9	89	343	12.5	6.82	41.0	165.0	196.1	0.793	0.873	4.65	5.02	1.86	1.07	1.79	75.87	19.40	G
12	9	89	343	15.5	7.00	3.4	355.7	190.6	0.805	0.958	4.65	5.02	2.18	1.10	2.39	83.45	10.88	G
12	9	89	343	18.5	7.25	25.1	2.8	188.6	0.885	1.066	5.36	5.22	0.61	0.91	7.57	85.14	5.77	G
12	9	89	343	21.5	7.05	28.7	153.9	194.0	0.864	1.264	5.28	5.95	0.66	0.66	8.65	82.66	7.37	G
12	10	89	344	0.5	6.83	40.2	167.5	195.0	0.801	0.893	4.63	5.45	1.52	0.65	3.76	74.98	19.08	G
12	10	89	344	3.5	7.09	5.7	28.4	191.3	0.801	0.916	4.85	4.83	1.58	1.25	9.77	76.65	10.74	G
12	10	89	344	6.5	7.31	36.9	2.9	186.3	0.848	0.720	5.12	5.02	2.19	2.96	3.34	86.00	5.50	G
12	10	89	344	9.5	7.14	16.2	29.5	185.5	0.838	0.357	4.92	4.83	8.89	7.75	4.29	70.52	8.54	G
12	10	89	344	12.5	6.77	42.0	159.6	129.6	0.748	0.194	4.51	4.20	14.08	13.88	4.29	33.20	34.55	G
12	10	89	344	15.5	6.82	10.1	161.8	351.6	0.812	0.111	6.40	10.24	12.89	31.30	21.69	9.48	24.65	G
12	10	89	344	18.5	7.13	42.5	359.8	328.2	0.721	0.196	6.52	7.31	5.56	25.77	31.81	30.51	6.35	G
12	10	89	344	21.5	7.00	14.5	32.4	338.3	0.687	0.105	8.13	12.19	28.01	26.85	14.92	23.65	6.56	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	89	345	0.5	6.71	45.2	162.8	148.4	0.805	0.052	5.66	9.48	17.11	27.47	8.14	18.15	29.12	G
12	11	89	345	3.5	6.85	20.1	166.2	342.2	0.781	0.056	7.88	7.31	11.14	35.08	33.33	10.30	10.15	G
12	11	89	345	6.5	7.27	53.8	5.4	307.2	0.755	0.129	7.06	10.24	5.41	43.79	14.99	25.58	10.23	S
12	11	89	345	9.5	7.18	32.6	11.7	334.6	0.689	0.103	7.59	11.13	13.58	58.06	6.37	7.86	14.13	G
12	11	89	345	12.5	6.77	39.4	169.6	129.8	0.907	0.062	5.48	5.22	11.55	11.74	3.78	53.80	19.12	S
12	11	89	345	15.5	6.67	34.3	165.6	129.0	0.903	0.029	5.36	9.48	20.08	19.43	5.13	23.97	31.39	S
12	11	89	345	18.5	7.03	33.7	356.0	345.9	0.824	0.093	6.56	9.48	5.17	39.13	21.70	14.23	19.76	G
12	11	89	345	21.5	7.01	21.6	3.3	322.5	0.660	0.068	6.17	11.13	9.87	41.15	11.43	16.45	21.10	G
12	12	89	346	0.5	6.68	34.7	161.9	128.9	0.938	0.051	4.88	4.20	14.70	10.58	2.97	52.44	19.30	S
12	12	89	346	3.5	6.67	39.9	159.5	128.6	0.909	0.033	4.76	3.61	27.90	10.20	4.22	7.87	49.81	S
12	12	89	346	6.5	7.12	50.9	358.2	134.2	0.684	0.047	7.21	6.56	20.41	21.47	33.98	16.63	7.51	G
12	12	89	346	9.5	7.21	48.8	11.4	120.9	0.868	0.067	4.02	3.32	8.82	27.19	4.30	10.75	48.95	S
12	12	89	346	12.5	6.88	24.7	146.1	131.2	0.731	0.206	4.02	4.20	3.27	5.76	0.96	55.45	34.57	S
12	12	89	346	15.5	6.67	43.8	168.6	146.8	0.727	0.201	3.49	3.71	1.96	0.64	0.41	16.10	80.88	S
12	12	89	346	18.5	7.00	18.7	358.8	172.6	0.653	0.438	4.25	4.20	3.99	1.14	1.41	69.42	24.04	S
12	12	89	346	21.5	7.14	35.2	355.7	187.2	0.833	0.500	4.38	4.49	3.05	0.76	1.01	86.62	8.56	G
12	13	89	347	0.5	6.87	35.2	162.6	172.4	0.701	0.601	4.27	4.49	3.19	0.97	1.54	78.56	15.73	S
12	13	89	347	3.5	6.72	44.1	162.9	186.2	0.695	0.714	4.30	4.83	2.82	1.33	1.31	76.28	18.26	G
12	13	89	347	6.5	7.17	27.2	357.3	195.5	0.832	0.938	4.92	4.83	0.97	0.55	1.63	86.71	10.13	G
12	13	89	347	9.5	7.42	44.0	4.4	186.3	0.840	0.805	5.33	5.45	0.53	1.84	11.27	81.77	4.60	G
12	13	89	347	12.5	7.24	13.4	106.0	186.2	0.817	0.891	5.20	5.22	1.40	0.98	10.16	78.49	8.96	G
12	13	89	347	15.5	6.84	37.5	164.7	172.8	0.748	0.552	4.39	5.22	1.78	1.04	1.87	81.04	14.26	S
12	13	89	347	18.5	6.98	3.2	88.3	195.3	0.702	0.225	4.06	4.49	3.91	14.03	8.87	43.43	29.77	G
12	13	89	347	21.5	7.21	43.9	359.7	325.3	0.657	0.162	5.42	8.83	4.42	24.70	17.41	31.19	22.29	G
12	14	89	348	0.5	7.07	12.5	42.2	30.9	0.564	0.098	6.32	9.48	16.09	21.95	21.50	16.87	23.60	G
12	14	89	348	3.5	6.81	37.9	161.7	133.6	0.838	0.164	4.85	4.49	3.97	1.51	1.86	85.17	7.49	W
12	14	89	348	6.5	6.99	6.9	123.4	127.5	0.942	0.068	4.51	7.76	10.71	22.61	17.29	5.16	44.23	S
12	14	89	348	9.5	7.34	51.1	1.9	131.5	0.708	0.095	5.92	4.49	6.64	13.44	25.56	39.64	14.73	S
12	14	89	348	12.5	7.19	17.1	21.6	37.0	0.599	0.074	8.61	9.48	39.67	27.70	11.07	7.92	13.63	G
12	14	89	348	15.5	6.79	23.8	157.2	133.6	0.876	0.024	6.92	13.47	31.87	18.32	12.92	17.36	19.53	S
12	14	89	348	18.5	6.81	13.0	131.7	128.3	0.838	0.028	6.83	10.24	11.90	44.30	15.84	9.75	18.21	G
12	14	89	348	21.5	7.13	41.7	347.7	346.6	0.904	0.088	5.63	5.22	4.14	17.16	11.78	51.54	15.39	G
12	15	89	349	0.5	7.06	18.6	2.9	315.0	0.662	0.049	7.37	11.13	11.91	35.81	19.43	16.17	16.68	G
12	15	89	349	3.5	6.78	41.0	159.3	127.1	0.945	0.026	5.54	11.13	27.46	20.21	8.22	20.12	23.99	S
12	15	89	349	6.5	6.82	25.5	146.6	128.8	0.900	0.031	4.65	4.34	9.68	12.14	3.48	48.64	26.06	S
12	15	89	349	9.5	7.21	37.8	357.5	1.3	0.774	0.091	4.41	5.02	4.54	11.25	9.40	43.07	31.73	G
12	15	89	349	12.5	7.10	45.3	11.4	11.1	0.635	0.066	3.36	2.81	7.80	7.15	2.55	6.45	76.05	G
12	15	89	349	15.5	6.73	20.4	147.3	310.9	0.877	0.295	4.00	4.20	4.37	1.52	1.23	64.06	28.82	S
12	15	89	349	18.5	6.54	24.4	177.0	334.6	0.815	0.660	4.57	4.65	0.73	0.23	0.71	88.63	9.70	S
12	15	89	349	21.5	6.83	29.5	326.1	334.0	0.788	0.420	4.21	4.83	2.55	1.57	1.66	75.10	19.12	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	16	89	350	0.5	7.08	1.2	204.4	172.6	0.646	0.281	4.16	4.65	4.38	1.37	2.13	68.17	23.96	S
12	16	89	350	3.5	6.80	50.9	168.7	161.7	0.796	0.210	3.79	4.49	4.20	1.15	4.62	50.41	39.63	S
12	16	89	350	6.5	6.61	28.6	152.8	184.7	0.834	0.276	3.78	3.71	3.36	0.88	1.70	37.09	56.97	G
12	16	89	350	9.5	6.99	12.9	10.2	197.3	0.792	0.334	4.18	4.65	3.64	0.95	2.11	63.28	30.02	S
12	16	89	350	12.5	7.05	31.9	3.4	143.4	0.765	0.335	4.47	4.65	4.89	1.61	2.60	72.76	18.14	S
12	16	89	350	15.5	6.78	6.9	67.8	187.3	0.804	0.171	3.71	4.06	3.94	1.39	1.24	49.05	44.38	S
12	16	89	350	18.5	6.54	30.5	164.3	131.8	0.881	0.136	3.76	3.82	3.91	2.32	1.67	32.84	59.25	S
12	16	89	350	21.5	6.70	12.7	346.2	193.5	0.742	0.086	3.89	4.20	10.48	5.25	2.41	35.13	46.73	G
12	17	89	351	0.5	6.89	31.3	4.5	184.4	0.882	0.460	4.20	4.20	2.75	0.62	1.39	77.34	17.90	G
12	17	89	351	3.5	6.71	15.3	91.8	190.5	0.722	0.354	4.23	4.20	5.02	1.38	1.17	73.82	18.62	S
12	17	89	351	6.5	6.55	26.0	161.0	141.3	0.762	0.288	4.02	4.20	4.40	0.88	1.82	51.89	41.00	S
12	17	89	351	9.5	6.74	22.8	346.9	159.5	0.600	0.189	3.84	3.82	2.62	1.01	1.35	40.72	54.30	S
12	17	89	351	12.5	6.94	40.4	2.3	167.5	0.681	0.308	4.45	4.83	1.85	0.49	1.55	82.92	13.20	G
12	17	89	351	15.5	6.76	16.0	34.3	194.7	0.849	0.258	4.36	4.65	2.78	0.86	1.75	76.24	18.37	G
12	17	89	351	18.5	6.51	20.9	151.2	127.7	0.857	0.069	3.71	3.94	8.26	2.07	2.20	20.67	66.80	G
12	17	89	351	21.5	6.52	10.4	159.6	125.2	0.835	0.050	4.43	4.06	22.43	3.51	1.84	43.63	28.59	G
12	18	89	352	0.5	6.80	42.9	353.3	148.6	0.724	0.032	6.32	17.07	39.37	12.55	14.08	11.83	22.17	G
12	18	89	352	3.5	6.73	16.5	29.0	201.5	0.857	0.046	5.79	4.49	25.95	8.62	3.51	32.37	29.56	G
12	18	89	352	6.5	6.60	35.4	160.6	132.0	0.883	0.065	3.11	2.81	5.20	2.84	1.68	5.74	84.54	S
12	18	89	352	9.5	6.73	8.9	148.2	175.0	0.592	0.325	3.92	4.20	3.54	1.07	1.39	63.87	30.13	S
12	18	89	352	12.5	6.94	38.8	353.5	164.5	0.644	0.222	4.13	4.34	3.47	0.93	1.83	72.09	21.67	S
12	18	89	352	15.5	6.84	21.2	26.2	189.2	0.822	0.176	3.98	4.34	5.46	2.08	1.88	57.00	33.58	G
12	18	89	352	18.5	6.61	27.5	166.2	131.6	0.884	0.126	3.76	3.71	2.55	0.93	1.10	34.95	60.47	S
12	18	89	352	21.5	6.59	19.0	156.8	129.9	0.877	0.064	3.63	3.51	11.52	1.68	1.71	24.29	60.79	S
12	19	89	353	0.5	6.89	43.5	353.9	146.2	0.707	0.056	3.85	3.41	7.24	4.29	7.33	15.07	66.07	G
12	19	89	353	3.5	6.92	32.3	18.3	133.1	0.775	0.074	3.63	3.51	6.24	1.76	1.82	14.44	75.72	S
12	19	89	353	6.5	6.81	12.7	100.1	198.2	0.707	0.132	3.63	3.71	4.54	1.27	1.04	17.86	75.29	G
12	19	89	353	9.5	6.79	20.7	170.8	131.4	0.742	0.078	3.47	3.51	10.86	3.84	1.82	7.77	75.72	S
12	19	89	353	12.5	7.02	22.7	0.0	188.8	0.787	0.086	3.45	3.32	3.61	2.04	1.65	7.23	85.47	G
12	19	89	353	15.5	7.02	19.2	23.1	175.6	0.669	0.321	4.13	4.20	3.80	1.51	1.63	74.74	18.32	S
12	19	89	353	18.5	6.88	11.6	123.4	154.1	0.599	0.243	4.06	4.06	6.06	1.30	1.76	54.89	36.00	S
12	19	89	353	21.5	6.79	30.4	168.6	130.2	0.895	0.096	3.51	3.61	3.14	1.24	2.37	8.46	84.80	S
12	20	89	354	0.5	7.01	3.0	170.0	197.5	0.722	0.078	3.89	3.41	12.55	4.13	3.58	15.86	63.87	G
12	20	89	354	3.5	7.12	26.9	354.7	178.3	0.782	0.192	4.15	4.34	4.22	1.58	6.34	60.47	27.39	G
12	20	89	354	6.5	7.08	15.3	146.6	142.5	0.668	0.211	3.94	3.71	3.75	1.87	5.37	51.48	37.53	S
12	20	89	354	9.5	6.95	29.9	160.8	146.3	0.643	0.578	4.43	5.02	1.91	1.45	2.96	75.26	18.42	S
12	20	89	354	12.5	6.99	3.6	76.5	198.8	0.846	0.239	4.00	4.34	3.68	0.49	1.43	56.80	37.59	S
12	20	89	354	15.5	7.08	34.7	350.1	167.9	0.694	0.123	4.00	4.34	4.09	2.48	2.91	61.11	29.41	G
12	20	89	354	18.5	6.96	14.6	17.4	185.0	0.717	0.064	4.32	3.94	19.53	3.27	7.21	20.15	49.83	G
12	20	89	354	21.5	6.78	15.1	185.6	219.2	0.637	0.043	4.38	3.71	20.58	9.48	3.59	7.81	58.54	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	89	355	0.5	6.93	6.2	5.8	12.2	0.741	0.049	8.39	15.06	56.89	10.89	9.70	9.36	13.17	G
12	21	89	355	3.5	7.09	29.8	1.0	330.9	0.645	0.053	4.68	15.06	26.72	5.98	12.07	19.45	35.78	G
12	21	89	355	6.5	7.02	15.7	24.8	346.9	0.706	0.042	5.82	17.07	31.47	14.80	7.77	12.58	33.38	G
12	21	89	355	9.5	6.82	12.4	167.5	129.3	0.800	0.036	5.99	13.47	50.63	12.59	3.95	4.14	28.69	G
12	21	89	355	12.5	6.84	6.9	174.3	332.6	0.665	0.080	3.97	3.61	16.59	5.96	2.04	9.86	65.55	G
12	21	89	355	15.5	7.08	17.5	360.0	9.7	0.805	0.086	4.79	15.06	36.38	5.53	4.47	12.70	40.92	G
12	21	89	355	18.5	7.00	15.4	155.7	152.7	0.635	0.431	4.16	4.49	3.90	0.80	1.26	68.34	25.70	S
12	21	89	355	21.5	6.87	49.7	165.5	170.7	0.703	0.555	4.25	4.34	5.22	0.99	2.11	67.73	23.94	S
12	22	89	356	0.5	6.96	20.2	161.6	182.2	0.616	0.830	4.70	5.02	2.09	0.25	5.06	78.87	13.73	G
12	22	89	356	3.5	7.11	5.8	67.6	188.4	0.816	1.022	4.83	4.83	1.18	1.04	8.81	78.07	10.90	G
12	22	89	356	6.5	7.05	10.3	55.2	185.0	0.815	0.884	4.90	5.02	1.39	0.55	6.81	80.81	10.43	G
12	22	89	356	9.5	6.77	16.9	154.8	161.9	0.691	0.513	4.23	4.06	1.69	0.54	1.49	80.47	15.81	S
12	22	89	356	12.5	6.65	9.5	147.7	155.6	0.682	0.277	3.91	4.49	2.94	0.85	1.97	48.81	45.43	S
12	22	89	356	15.5	6.83	27.7	356.1	178.2	0.832	0.266	4.18	4.20	4.80	1.21	1.91	69.27	22.82	G
12	22	89	356	18.5	6.83	17.9	19.0	182.4	0.823	0.330	4.20	4.34	6.07	1.90	2.22	67.09	22.71	S
12	22	89	356	21.5	6.71	19.0	157.7	161.1	0.703	0.416	4.36	4.06	3.65	0.88	4.16	66.19	25.12	S
12	23	89	357	0.5	6.66	16.1	159.6	180.9	0.690	0.433	4.06	4.65	3.60	1.12	2.66	65.00	27.62	S
12	23	89	357	3.5	6.95	21.0	355.4	187.7	0.828	0.778	4.88	5.02	1.53	0.57	3.44	79.76	14.70	S
12	23	89	357	6.5	7.05	20.0	13.9	191.9	0.938	0.769	4.88	5.22	1.11	0.48	3.12	88.22	7.08	G
12	23	89	357	9.5	6.89	18.1	153.2	181.8	0.806	0.863	4.76	5.02	1.37	0.40	2.81	86.43	9.00	G
12	23	89	357	12.5	6.73	18.5	155.2	183.7	0.743	0.758	4.27	4.83	2.93	0.91	1.00	69.30	25.87	G
12	23	89	357	15.5	6.84	2.6	68.7	186.1	0.701	0.624	4.39	4.49	2.36	0.83	1.14	79.18	16.48	G
12	23	89	357	18.5	6.98	12.5	6.9	186.4	0.886	0.997	4.81	5.22	0.86	0.24	1.60	90.66	6.64	G
12	23	89	357	21.5	6.91	18.3	174.1	190.1	0.865	1.232	5.15	5.45	0.86	0.47	5.67	84.29	8.71	G
12	24	89	358	0.5	6.83	20.9	163.9	194.3	0.859	1.137	4.97	5.69	1.12	0.74	7.72	79.81	10.61	G
12	24	89	358	3.5	7.02	2.2	131.9	192.3	0.874	1.334	5.20	5.22	0.87	0.63	12.61	75.92	9.97	G
12	24	89	358	6.5	7.26	8.5	3.1	189.1	0.916	1.496	5.66	5.69	0.69	0.77	38.06	54.79	5.69	G
12	24	89	358	9.5	7.17	17.9	163.4	190.4	0.906	1.460	5.66	6.24	0.77	1.71	33.35	54.78	9.39	G
12	24	89	358	12.5	6.90	27.5	163.2	189.9	0.881	1.197	5.00	5.22	0.93	0.69	6.94	80.25	11.19	G
12	24	89	358	15.5	6.91	15.5	156.8	191.5	0.829	1.119	5.07	5.69	1.25	0.54	7.69	81.92	8.60	G
12	24	89	358	18.5	7.08	23.3	357.6	188.9	0.877	0.889	5.22	5.69	1.90	1.69	7.16	81.51	7.74	G
12	24	89	358	21.5	6.93	19.0	358.0	184.8	0.805	0.673	4.90	5.22	2.79	2.18	4.73	76.63	13.68	G
12	25	89	359	0.5	6.79	17.8	153.8	183.5	0.687	0.483	4.72	5.22	6.49	2.81	2.24	71.01	17.45	S
12	25	89	359	3.5	6.96	21.5	354.2	166.3	0.771	0.250	5.92	4.20	15.85	19.19	9.67	40.26	15.03	G
12	25	89	359	6.5	7.18	40.8	4.7	337.5	0.598	0.151	7.70	10.24	24.41	24.21	10.77	33.75	6.86	G
12	25	89	359	9.5	7.13	20.5	21.6	322.4	0.609	0.116	9.66	15.06	44.76	25.17	12.31	14.75	3.00	G
12	25	89	359	12.5	6.91	21.9	159.0	122.3	0.931	0.112	8.19	13.47	52.00	16.11	5.70	24.82	1.36	S
12	25	89	359	15.5	6.86	18.1	158.1	326.5	0.718	0.122	6.40	13.47	31.92	20.09	10.28	11.73	25.98	G
12	25	89	359	18.5	7.09	21.0	326.4	319.7	0.756	0.169	6.36	5.69	19.86	19.75	13.24	30.11	17.05	G
12	25	89	359	21.5	7.00	21.5	337.5	331.3	0.814	0.228	4.27	3.82	20.92	5.18	4.62	17.54	51.75	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	26	89	360	0.5	6.75	24.2	165.1	337.6	0.728	0.255	4.38	4.34	10.31	2.23	0.94	72.52	14.00	G
12	26	89	360	3.5	6.75	18.4	174.3	329.1	0.750	0.265	4.51	5.02	5.64	2.02	1.74	71.64	18.96	S
12	26	89	360	6.5	7.05	30.9	345.6	351.2	0.758	0.186	4.68	3.94	14.77	10.39	3.10	37.06	34.68	G
12	26	89	360	9.5	7.03	25.5	348.1	346.0	0.807	0.104	5.72	13.47	40.91	7.04	3.05	23.41	25.59	G
12	26	89	360	12.5	6.71	30.3	171.5	125.8	0.874	0.063	4.95	15.06	33.57	2.39	2.15	25.12	36.77	S
12	26	89	360	15.5	6.60	47.5	159.9	127.1	0.844	0.034	3.51	2.39	22.65	5.18	1.82	16.42	53.92	S
12	26	89	360	18.5	6.87	4.7	68.6	352.8	0.843	0.053	6.32	10.24	33.05	26.67	9.49	5.87	24.92	G
12	26	89	360	21.5	6.97	6.7	11.8	144.4	0.623	0.485	4.34	4.49	4.93	1.15	3.15	67.82	22.95	S
12	27	89	361	0.5	6.74	40.3	156.2	165.8	0.665	0.470	4.13	4.20	1.86	1.37	3.83	70.76	22.17	S
12	27	89	361	3.5	6.67	24.6	158.4	178.3	0.636	0.496	4.34	4.65	2.83	1.03	2.25	71.54	22.35	S
12	27	89	361	6.5	6.94	40.7	353.6	182.9	0.773	0.338	4.30	5.02	3.28	1.89	2.80	73.41	18.62	G
12	27	89	361	9.5	6.98	48.8	11.7	129.9	0.778	0.197	4.28	4.34	4.18	1.41	2.63	78.46	13.32	S
12	27	89	361	12.5	6.72	7.4	51.1	172.3	0.755	0.063	4.30	3.71	15.40	12.32	7.74	23.71	40.84	G
12	27	89	361	15.5	6.49	33.3	158.5	124.6	0.944	0.027	5.72	15.06	36.35	10.42	6.59	10.92	35.71	S
12	27	89	361	18.5	6.74	19.7	8.8	351.8	0.691	0.086	3.49	3.41	6.78	5.16	4.03	6.13	77.90	G
12	27	89	361	21.5	6.79	21.9	23.2	73.3	0.585	0.040	4.20	9.48	16.35	18.82	8.79	23.09	32.95	G
12	28	89	362	0.5	6.60	20.2	144.7	354.3	0.576	0.036	6.28	15.06	29.47	15.26	9.97	19.44	25.86	G
12	28	89	362	3.5	6.51	16.4	129.9	126.0	0.948	0.037	4.92	3.41	28.54	4.01	3.52	24.74	39.18	S
12	28	89	362	6.5	6.86	7.8	15.3	15.9	0.825	0.046	6.97	9.48	19.33	21.35	19.67	27.89	11.75	G
12	28	89	362	9.5	7.07	31.5	6.0	127.1	0.713	0.035	5.31	6.56	21.75	8.10	11.68	21.39	37.09	G
12	28	89	362	12.5	6.90	7.3	22.0	5.7	0.717	0.042	6.13	4.83	22.59	15.19	3.82	46.64	11.76	G
12	28	89	362	15.5	6.64	12.2	129.9	131.0	0.922	0.025	5.04	3.41	28.46	10.06	3.29	18.97	39.22	G
12	28	89	362	18.5	6.84	6.8	16.3	11.5	0.603	0.036	10.89	13.47	49.70	23.32	12.83	9.49	4.66	G
12	28	89	362	21.5	7.01	19.9	4.8	119.4	0.750	0.031	6.92	8.83	24.46	18.36	20.56	21.12	15.50	G
12	29	89	363	0.5	6.86	6.9	19.0	351.7	0.788	0.049	6.40	4.65	12.98	18.84	5.78	56.10	6.29	G
12	29	89	363	3.5	6.68	13.0	126.7	125.3	0.897	0.019	6.44	4.06	27.30	16.00	7.58	26.91	22.21	G
12	29	89	363	6.5	6.93	5.8	26.8	285.3	0.752	0.036	7.70	7.31	16.25	29.73	30.49	17.78	5.74	G
12	29	89	363	9.5	7.18	49.6	9.0	188.5	0.584	0.030	5.66	6.24	21.10	10.49	20.30	24.44	23.68	G
12	29	89	363	12.5	7.03	15.9	32.0	22.8	0.781	0.031	7.59	10.24	23.66	26.85	20.10	14.47	14.93	G
12	29	89	363	15.5	6.71	43.7	153.4	135.7	0.881	0.023	5.99	5.22	21.99	5.91	8.56	40.32	23.22	S
12	29	89	363	18.5	6.80	10.3	117.0	124.1	0.956	0.031	5.79	8.83	25.61	16.54	10.35	19.59	27.92	S
12	29	89	363	21.5	7.05	34.0	353.3	2.5	0.850	0.070	4.63	4.20	17.17	4.86	9.35	36.27	32.35	G
12	30	89	364	0.5	6.96	13.8	27.5	7.3	0.679	0.039	7.47	9.48	20.42	33.84	16.44	19.74	9.56	G
12	30	89	364	3.5	6.69	29.0	154.3	125.4	0.893	0.121	4.85	4.65	3.13	1.36	1.06	88.11	6.34	S
12	30	89	364	6.5	6.84	5.6	139.4	317.7	0.703	0.069	4.90	4.34	7.57	11.00	8.49	60.81	12.12	G
12	30	89	364	9.5	7.18	49.1	3.7	123.8	0.730	0.036	6.06	6.56	10.71	16.03	18.07	39.38	15.81	S
12	30	89	364	12.5	7.15	17.4	26.6	47.9	0.618	0.033	6.61	8.83	26.91	23.91	9.73	22.02	17.43	G
12	30	89	364	15.5	6.86	24.8	152.0	132.5	0.902	0.033	6.78	10.24	17.42	35.83	13.36	19.72	13.68	S
12	30	89	364	18.5	6.87	14.1	137.9	142.0	0.837	0.023	7.26	9.48	18.48	28.45	13.49	30.86	8.72	G
12	30	89	364	21.5	7.15	20.7	3.5	359.8	0.738	0.097	5.48	4.83	4.32	7.98	15.81	54.32	17.58	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
12	31	89	365	0.5	7.13	20.1	354.5	340.5	0.787	0.081	5.89	6.92	10.33	6.49	24.45	42.84	15.89	G
12	31	89	365	3.5	6.85	19.8	166.5	121.9	0.856	0.053	5.45	7.76	14.18	10.64	15.24	32.44	27.50	G
12	31	89	365	6.5	6.85	10.8	132.3	124.8	0.953	0.034	5.45	6.56	14.70	13.62	17.67	25.54	28.46	S
12	31	89	365	9.5	7.19	34.0	352.6	307.2	0.766	0.075	5.48	5.02	6.13	7.48	7.19	70.58	8.61	G
12	31	89	365	12.5	7.17	37.3	21.0	297.5	0.661	0.052	4.38	9.48	8.70	16.51	9.59	25.60	39.59	G
12	31	89	365	15.5	6.88	17.0	153.9	124.5	0.951	0.072	3.85	3.41	9.83	10.65	6.98	8.82	63.72	S
12	31	89	365	18.5	6.72	23.3	165.8	320.1	0.822	0.204	4.02	4.06	6.95	2.62	1.28	46.39	42.76	S
12	31	89	365	21.5	6.98	12.4	6.0	348.5	0.792	0.193	3.98	4.06	4.50	5.46	7.88	50.88	31.28	G

Mon	Day	Yr	JDA	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	90	1	0.5	7.08	32.5	347.9	342.9	0.845	0.172	4.72	7.76	4.71	14.78	22.61	18.76	39.15	G
1	1	90	1	3.5	6.82	19.2	189.9	304.9	0.591	0.080	5.15	4.65	11.60	16.65	11.95	36.46	23.34	G
1	1	90	1	6.5	6.77	31.8	143.4	131.6	0.921	0.076	3.09	2.81	14.07	1.96	2.20	6.90	74.87	S
1	1	90	1	9.5	7.05	5.8	30.1	138.7	0.662	0.111	4.16	7.76	5.91	15.99	18.21	13.01	46.88	G
1	1	90	1	12.5	7.20	34.9	358.8	141.3	0.722	0.141	4.72	3.71	7.43	16.06	9.17	33.17	34.17	G
1	1	90	1	15.5	6.96	29.6	157.1	130.1	0.910	0.125	3.71	3.41	13.90	5.40	2.74	18.92	59.04	S
1	1	90	1	18.5	6.74	38.4	161.1	152.6	0.818	0.090	3.38	3.41	4.31	0.85	0.66	6.54	87.64	S
1	1	90	1	21.5	6.88	4.3	25.7	192.9	0.699	0.069	3.97	3.82	9.51	11.30	4.28	21.80	53.10	G
1	2	90	2	0.5	7.04	23.1	5.2	122.0	0.810	0.063	5.66	9.48	11.37	36.44	8.81	17.12	26.26	G
1	2	90	2	3.5	6.85	10.0	57.8	351.4	0.633	0.035	7.94	10.24	36.26	31.12	7.34	5.94	19.33	G
1	2	90	2	6.5	6.63	32.9	165.6	134.9	0.863	0.019	7.31	2.81	49.93	11.93	2.56	6.42	29.17	S
1	2	90	2	9.5	6.81	3.4	63.6	331.3	0.702	0.033	7.31	8.83	28.31	21.30	11.67	20.58	18.14	G
1	2	90	2	12.5	7.00	42.7	8.5	117.3	0.817	0.031	8.00	8.83	21.44	38.50	12.10	15.24	12.72	S
1	2	90	2	15.5	6.77	11.4	33.0	73.2	0.544	0.037	8.33	10.24	23.96	41.00	7.96	18.45	8.63	G
1	2	90	2	18.5	6.53	18.9	150.1	130.2	0.921	0.030	3.64	3.16	16.42	7.66	2.66	9.54	63.72	S
1	2	90	2	21.5	6.60	4.9	12.0	269.7	0.734	0.027	5.92	3.51	29.68	22.90	3.88	14.79	28.75	G
1	3	90	3	0.5	6.86	40.8	354.8	128.8	0.798	0.041	6.21	7.76	12.88	22.53	23.89	23.27	17.43	G
1	3	90	3	3.5	6.78	20.6	25.2	342.1	0.670	0.041	6.10	10.24	24.64	21.43	7.97	12.15	33.82	G
1	3	90	3	6.5	6.54	19.6	148.3	128.5	0.937	0.032	5.92	5.45	22.30	12.46	4.65	35.44	25.14	S
1	3	90	3	9.5	6.59	1.7	309.3	268.8	0.713	0.042	3.94	3.71	9.06	10.33	2.87	16.58	61.17	G
1	3	90	3	12.5	6.84	41.0	351.6	141.7	0.738	0.046	4.25	8.26	15.84	16.98	12.53	17.04	37.60	G
1	3	90	3	16.5	6.29	5.3	254.7	69.9	0.951	0.039	7.70	10.24	26.96	35.34	7.78	8.20	21.71	S
1	3	90	3	19.5	6.09	16.4	178.7	277.4	0.636	0.032	5.17	10.24	10.41	25.22	3.21	21.48	39.68	G
1	3	90	3	22.5	6.24	19.0	210.7	61.8	0.655	0.044	5.89	8.83	11.11	36.75	9.78	20.87	21.49	G
1	4	90	4	1.5	6.52	35.6	349.6	23.3	0.901	0.077	5.82	5.69	3.52	5.77	3.66	79.07	7.97	S
1	4	90	4	4.5	6.42	10.4	350.6	25.8	0.719	0.035	8.39	10.24	21.74	46.65	5.91	10.52	15.17	G
1	4	90	4	7.5	6.22	19.9	196.7	46.4	0.740	0.030	8.26	12.19	30.22	30.80	6.20	12.75	20.03	G
1	4	90	4	10.5	6.29	14.2	207.8	44.7	0.717	0.050	5.15	9.48	10.19	40.10	12.86	8.78	28.06	G
1	4	90	4	13.5	6.51	45.6	331.3	37.7	0.596	0.064	4.55	3.61	11.10	23.38	8.67	7.21	49.64	G
1	4	90	4	16.5	6.41	8.0	319.9	72.3	0.922	0.064	4.15	8.83	25.63	24.25	3.17	4.18	42.77	G
1	4	90	4	19.5	6.22	15.5	193.4	51.9	0.681	0.068	3.81	3.82	6.99	16.26	2.69	7.16	66.90	G
1	4	90	4	22.5	6.23	14.2	200.7	38.9	0.707	0.041	5.15	9.48	10.90	33.89	5.23	12.81	37.17	G
1	5	90	5	1.5	6.60	28.9	329.4	28.8	0.577	0.081	5.95	5.95	3.27	16.42	22.89	44.96	12.47	G
1	5	90	5	4.5	6.65	9.6	339.8	63.0	0.810	0.106	5.17	4.49	3.25	13.39	13.11	56.64	13.61	G
1	5	90	5	7.5	6.45	6.1	208.7	268.2	0.776	0.049	6.10	8.83	10.04	22.94	15.30	38.97	12.76	G
1	5	90	5	10.5	6.37	28.7	189.1	19.5	0.823	0.033	5.89	10.24	28.97	14.23	12.42	23.31	21.08	G
1	5	90	5	13.5	6.54	14.4	172.4	94.1	0.701	0.062	5.69	8.83	4.11	25.95	19.42	35.97	14.55	G
1	5	90	5	16.5	6.61	20.2	322.8	39.4	0.591	0.136	5.12	5.22	1.88	4.49	15.67	67.54	10.43	G
1	5	90	5	19.5	6.38	18.0	169.6	268.4	0.650	0.046	5.54	3.94	10.32	12.12	14.48	27.77	35.31	G
1	5	90	5	22.5	6.28	43.0	179.3	40.3	0.725	0.019	6.40	5.69	27.73	21.58	11.11	23.81	15.78	G

Mon	Day	Yr	JDA	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	90	6	1.5	6.57	9.1	309.0	345.0	0.836	0.094	5.28	7.76	6.12	16.39	18.92	34.52	24.04	G
1	6	90	6	4.5	6.66	34.2	1.2	359.0	0.629	0.058	5.85	9.48	2.81	35.39	25.81	21.09	14.89	G
1	6	90	6	7.5	6.54	3.5	273.0	311.1	0.602	0.064	6.02	9.48	8.18	25.30	16.53	38.32	11.67	G
1	6	90	6	10.5	6.31	26.4	169.6	102.5	0.626	0.028	7.31	7.76	14.21	23.93	28.09	20.89	12.88	G
1	6	90	6	13.5	6.45	13.6	197.6	63.9	0.778	0.046	7.47	8.26	12.48	29.34	21.15	31.95	5.08	G
1	6	90	6	16.5	6.65	29.0	344.1	32.0	0.599	0.066	5.82	5.02	8.60	19.68	13.11	44.89	13.73	G
1	6	90	6	19.5	6.54	10.8	307.8	42.3	0.687	0.056	5.75	4.65	11.92	17.07	13.08	41.24	16.69	G
1	6	90	6	22.5	6.35	42.9	173.7	26.2	0.588	0.034	8.68	5.45	46.70	6.30	5.44	30.29	11.27	G
1	7	90	7	1.5	6.56	20.7	184.3	22.4	0.629	0.038	7.70	8.83	10.17	49.66	21.76	12.18	6.23	G
1	7	90	7	4.5	6.82	44.5	354.5	7.6	0.629	0.036	7.31	8.83	10.05	36.34	19.59	17.43	16.58	G
1	7	90	7	7.5	6.74	15.0	355.5	3.5	0.661	0.044	6.78	9.48	10.39	43.81	9.26	23.46	13.08	G
1	7	90	7	10.5	6.47	27.0	182.0	20.9	0.749	0.025	7.88	11.13	39.65	27.99	6.75	11.47	14.14	G
1	7	90	7	13.5	6.39	30.5	176.6	12.7	0.858	0.024	7.26	9.48	31.68	22.35	12.61	12.39	20.97	G
1	7	90	7	16.5	6.63	12.7	324.4	346.2	0.826	0.064	6.69	5.22	4.86	17.05	26.46	48.38	3.25	G
1	7	90	7	19.5	6.60	23.7	336.6	29.8	0.805	0.052	6.02	9.48	12.78	34.79	16.50	12.75	23.18	G
1	7	90	7	22.5	6.36	33.8	172.5	8.5	0.709	0.035	6.44	3.71	24.17	14.69	6.11	15.83	39.20	G
1	8	90	8	1.5	6.35	28.9	186.2	32.2	0.777	0.021	7.47	8.83	24.99	28.70	18.98	9.03	18.30	G
1	8	90	8	4.5	6.71	33.5	339.7	358.0	0.744	0.063	6.21	5.45	3.85	11.04	30.52	48.52	6.08	G
1	8	90	8	7.5	6.73	22.1	356.2	193.7	0.750	0.058	6.02	7.76	8.00	19.02	27.29	28.31	17.37	G
1	8	90	8	10.5	6.49	13.1	183.0	301.6	0.649	0.074	5.45	4.34	22.32	10.33	13.00	28.25	26.10	G
1	8	90	8	13.5	6.35	43.9	185.7	194.1	0.922	0.092	3.39	3.32	5.79	3.02	1.51	10.36	79.32	G
1	8	90	8	16.5	6.62	22.6	187.7	195.5	0.795	0.191	3.61	3.51	4.88	3.06	3.95	12.41	75.70	G
1	8	90	8	19.5	6.79	18.9	327.1	185.2	0.901	0.329	4.47	4.34	2.16	2.23	11.57	67.06	16.98	G
1	8	90	8	22.5	6.43	39.8	178.9	192.3	0.807	0.145	3.95	4.06	3.12	3.64	2.89	45.61	44.73	G
1	9	90	9	1.5	6.33	50.6	182.0	192.5	0.841	0.049	3.84	3.82	16.10	2.70	6.28	11.67	63.25	G
1	9	90	9	4.5	6.68	23.9	332.5	350.4	0.873	0.077	6.52	5.95	8.48	8.71	27.66	48.38	6.77	G
1	9	90	9	7.5	6.85	46.2	360.0	8.7	0.511	0.057	6.56	7.76	6.81	32.34	30.02	13.71	17.12	G
1	9	90	9	10.5	6.71	4.8	315.3	216.7	0.746	0.047	7.01	7.76	13.63	24.17	25.85	18.75	17.60	G
1	9	90	9	13.5	6.41	21.4	185.1	42.2	0.662	0.032	6.48	7.31	19.73	17.89	20.46	26.54	15.38	G
1	9	90	9	16.5	6.52	10.5	208.6	12.3	0.618	0.118	4.49	5.02	4.18	12.44	10.47	35.92	36.99	G
1	9	90	9	19.5	6.79	41.4	332.8	356.8	0.733	0.116	3.68	3.32	4.63	13.16	10.63	12.21	59.37	G
1	9	90	9	22.5	6.58	2.3	339.6	32.4	0.864	0.063	5.54	10.24	5.79	42.68	9.31	12.81	29.42	G
1	10	90	10	1.5	6.29	20.9	180.7	27.2	0.710	0.057	4.00	3.51	11.74	6.48	3.32	24.05	54.41	G
1	10	90	10	4.5	6.47	12.8	216.4	27.7	0.732	0.104	4.10	3.71	6.36	8.24	6.67	36.35	42.38	G
1	10	90	10	7.5	6.86	48.6	337.6	354.3	0.784	0.100	4.00	3.41	6.87	5.45	14.10	23.20	50.38	G
1	10	90	10	10.5	6.76	6.1	272.5	244.0	0.708	0.105	4.59	4.20	4.72	16.03	6.18	48.91	24.15	G
1	10	90	10	13.5	6.37	13.5	229.1	27.4	0.848	0.046	3.78	3.51	10.98	4.07	8.29	25.82	50.84	G
1	10	90	10	16.5	6.38	11.9	213.8	24.3	0.633	0.048	4.92	3.82	45.96	1.56	2.18	20.59	29.71	G
1	10	90	10	19.5	6.77	19.3	335.2	351.1	0.741	0.069	5.42	6.24	6.91	7.17	33.95	28.94	23.04	G
1	10	90	10	22.5	6.70	18.5	342.2	6.5	0.762	0.053	5.89	6.92	11.90	12.61	18.57	32.42	24.50	G

Mon	Day	Yr	JDA	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	11	90	11	1.5	6.36	28.1	182.0	201.5	0.794	0.069	4.34	3.94	5.34	1.74	2.92	41.75	48.24	S
1	11	90	11	4.5	6.33	32.9	196.1	14.2	0.892	0.018	5.28	3.51	34.95	4.30	4.20	14.01	42.53	G
1	11	90	11	7.5	6.73	9.8	314.6	11.8	0.772	0.050	5.54	4.49	12.76	8.88	14.61	47.05	16.70	G
1	11	90	11	10.5	6.66	13.5	342.0	11.1	0.833	0.057	3.41	4.34	7.88	3.10	1.95	32.75	54.32	G
1	11	90	11	13.5	6.26	19.2	195.7	24.7	0.704	0.061	3.52	3.01	10.47	6.67	4.01	6.84	72.02	G
1	11	90	11	16.5	6.08	31.4	187.8	13.2	0.798	0.168	7.70	12.19	43.87	19.67	0.38	13.53	22.55	G
1	11	90	11	19.5	6.44	26.3	333.7	358.3	0.808	0.093	3.78	3.71	5.76	6.61	7.18	26.29	54.16	G
1	11	90	11	22.5	6.49	26.8	338.9	341.2	0.833	0.113	4.34	4.83	3.84	3.19	8.96	52.91	31.10	G
1	12	90	12	1.5	6.29	24.3	202.7	22.6	0.794	0.057	4.97	4.49	11.69	4.05	13.01	50.36	20.88	G
1	12	90	12	4.5	6.15	47.1	192.3	15.2	0.893	0.056	5.15	3.82	20.40	1.81	5.52	21.55	50.73	G
1	12	90	12	7.5	6.57	13.9	330.4	351.3	0.744	0.088	5.82	4.83	1.60	7.16	20.68	67.74	2.81	G
1	12	90	12	10.5	6.70	20.8	355.0	14.5	0.858	0.079	5.12	8.26	5.50	20.49	11.57	41.53	20.90	G
1	12	90	12	13.5	6.44	6.3	191.6	83.4	0.585	0.064	4.47	4.34	14.52	13.72	6.46	27.56	37.74	G
1	12	90	12	16.5	6.20	28.1	201.9	13.7	0.882	0.032	3.45	2.31	20.02	3.63	3.33	12.49	60.54	G
1	12	90	12	19.5	6.51	7.2	279.1	4.9	0.829	0.069	5.12	10.24	8.16	35.58	11.43	17.24	27.60	G
1	12	90	12	22.5	6.70	26.6	341.8	175.4	0.817	0.121	3.86	3.82	5.91	6.21	1.80	17.35	68.73	G
1	13	90	13	1.5	6.51	20.5	194.4	188.0	0.781	0.224	3.58	3.71	2.40	1.50	1.25	21.55	73.30	G
1	13	90	13	4.5	6.31	39.2	180.6	195.6	0.854	0.203	3.81	4.20	7.63	1.38	2.41	43.39	45.19	G
1	13	90	13	7.5	6.50	12.8	228.3	203.6	0.864	0.159	3.92	4.34	4.89	2.13	2.33	45.84	44.81	G
1	13	90	13	10.5	6.81	31.5	347.8	182.7	0.938	0.384	4.28	4.49	3.53	0.85	3.41	71.82	20.39	G
1	13	90	13	13.5	6.60	4.2	73.2	197.8	0.833	0.393	4.51	4.20	2.33	2.64	18.19	55.73	21.11	G
1	13	90	13	16.5	6.26	44.0	177.9	198.5	0.758	0.137	3.72	4.34	3.76	0.90	1.17	42.41	51.76	G
1	13	90	13	19.5	6.36	5.6	216.8	204.7	0.705	0.067	3.74	3.71	7.91	3.35	2.78	24.87	61.09	G
1	13	90	13	22.5	6.65	33.5	353.3	20.9	0.808	0.059	5.60	5.69	37.86	2.76	1.77	26.36	31.25	G
1	14	90	14	1.5	6.55	6.5	267.8	235.1	0.674	0.032	6.21	4.65	20.42	13.93	5.25	36.84	23.56	G
1	14	90	14	4.5	6.29	11.6	199.1	53.7	0.635	0.029	4.45	2.88	49.50	5.58	2.72	4.58	37.62	S
1	14	90	14	7.5	6.45	10.1	237.6	31.9	0.789	0.029	7.42	13.47	38.58	26.98	8.90	5.65	19.89	G
1	14	90	14	10.5	6.76	39.0	348.0	18.5	0.766	0.026	6.28	5.69	16.17	18.59	16.76	29.53	18.96	G
1	14	90	14	13.5	6.64	10.5	359.1	53.7	0.693	0.025	6.87	13.47	24.08	25.84	11.38	23.59	15.11	G
1	14	90	14	16.5	6.35	27.8	176.5	46.7	0.727	0.029	3.84	2.75	15.01	8.41	9.61	15.10	51.86	G
1	14	90	14	19.5	6.38	22.2	194.0	24.3	0.747	0.072	3.72	4.06	11.98	2.94	2.52	22.20	60.35	G
1	14	90	14	22.5	6.66	34.3	338.8	355.5	0.852	0.122	3.59	3.51	2.21	1.20	2.96	11.34	82.29	G
1	15	90	15	1.5	6.63	13.0	352.6	7.3	0.725	0.041	3.81	3.41	13.92	10.18	5.42	8.77	61.71	G
1	15	90	15	4.5	6.34	32.7	179.7	32.9	0.704	0.042	3.75	3.94	13.81	9.47	5.18	11.64	59.89	G
1	15	90	15	7.5	6.36	30.1	191.9	29.8	0.776	0.061	3.89	3.61	12.27	4.44	1.80	23.30	58.19	G
1	15	90	15	10.5	6.67	22.6	336.2	354.0	0.695	0.062	3.64	3.24	12.68	5.05	10.54	15.11	56.62	G
1	15	90	15	13.5	6.64	6.0	305.1	35.5	0.806	0.048	3.54	2.94	8.31	8.98	7.48	9.03	66.20	G
1	15	90	15	16.5	6.36	29.9	177.5	37.7	0.638	0.039	4.59	3.16	26.22	7.98	5.15	12.92	47.72	G
1	15	90	15	19.5	6.32	34.6	196.2	18.0	0.855	0.025	5.33	4.49	21.17	9.58	4.91	36.99	27.35	G
1	15	90	15	22.5	6.63	15.0	325.9	358.8	0.812	0.043	6.92	7.76	6.20	21.01	27.92	33.32	11.56	G

Mon	Day	Yr	JDA	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	90	16	1.5	6.72	26.9	357.9	359.4	0.775	0.030	4.79	9.48	11.33	30.18	8.42	14.88	35.19	G
1	16	90	16	4.5	6.54	7.3	192.7	253.5	0.608	0.037	6.40	3.82	22.62	19.95	9.76	21.60	26.08	G
1	16	90	16	7.5	6.45	19.4	190.8	41.3	0.738	0.032	6.56	10.24	16.41	24.97	8.00	31.78	18.85	G
1	16	90	16	10.5	6.70	5.1	310.5	355.8	0.662	0.049	5.79	8.26	6.44	28.37	19.69	31.41	14.08	G
1	16	90	16	13.5	6.76	24.4	349.6	359.3	0.785	0.053	4.85	9.48	5.90	30.24	5.32	25.97	32.57	G
1	16	90	16	16.5	6.51	12.5	166.8	312.5	0.663	0.037	6.36	10.24	13.69	27.13	10.38	34.49	14.31	G
1	16	90	16	19.5	6.41	11.9	192.2	65.3	0.639	0.028	6.21	9.48	15.83	23.07	13.26	24.94	22.90	G
1	16	90	16	22.5	6.60	7.2	216.1	266.0	0.685	0.052	6.21	7.76	8.50	30.60	20.39	26.99	13.53	G
1	17	90	17	1.5	6.79	32.9	354.8	352.9	0.760	0.066	5.31	8.83	8.45	19.86	8.27	41.30	22.12	G
1	17	90	17	4.5	6.62	5.5	257.6	331.6	0.673	0.043	7.16	10.24	10.96	31.76	20.29	27.84	9.15	G
1	17	90	17	7.5	6.48	10.6	191.0	275.9	0.662	0.037	5.22	3.41	15.73	17.61	10.54	18.45	37.66	G
1	17	90	17	10.5	6.59	14.6	217.7	206.3	0.773	0.099	5.36	4.34	5.46	8.12	4.10	72.38	9.95	G
1	17	90	17	13.5	6.71	27.9	337.3	353.6	0.672	0.061	6.36	9.48	5.92	42.93	9.92	18.98	22.26	G
1	17	90	17	16.5	6.54	4.7	258.7	280.0	0.639	0.052	5.63	9.48	11.20	42.29	3.20	20.21	23.10	G
1	17	90	17	19.5	6.38	7.4	225.7	83.6	0.724	0.039	4.06	3.16	13.33	18.59	4.77	9.39	53.92	G
1	17	90	17	22.5	6.47	13.1	224.2	45.0	0.689	0.056	5.12	8.83	7.77	28.44	14.36	8.18	41.25	G
1	18	90	18	1.5	6.73	33.7	336.6	355.7	0.693	0.066	5.82	8.83	4.81	44.29	13.06	10.82	27.01	G
1	18	90	18	4.5	6.63	6.2	273.9	66.0	0.760	0.054	7.06	10.24	12.48	51.20	5.28	11.84	19.21	G
1	18	90	18	7.5	6.45	14.6	213.8	44.0	0.682	0.058	4.08	3.32	11.79	16.12	2.24	7.73	62.12	G
1	18	90	18	10.5	6.44	11.4	230.9	34.4	0.726	0.063	4.74	9.48	15.38	26.56	3.39	9.47	45.21	G
1	18	90	18	13.5	6.60	14.8	312.0	6.5	0.781	0.087	4.34	3.32	6.57	26.35	7.65	10.22	49.20	G
1	18	90	18	16.5	6.48	19.6	290.6	13.7	0.704	0.062	5.12	11.13	13.80	31.60	3.65	13.21	37.74	G
1	18	90	18	19.5	6.31	21.4	172.8	233.0	0.610	0.055	4.32	4.06	11.20	20.12	1.16	24.38	43.13	G
1	18	90	18	22.5	6.32	41.5	183.8	18.6	0.776	0.056	4.41	3.71	9.17	12.37	4.26	20.24	53.96	G
1	19	90	19	1.5	6.63	9.5	316.5	1.0	0.715	0.064	6.32	8.83	9.64	39.22	10.19	22.03	18.93	G
1	19	90	19	4.5	6.67	14.9	329.8	193.0	0.820	0.150	3.72	3.82	3.69	5.44	2.28	20.94	67.65	G
1	19	90	19	7.5	6.49	25.5	173.2	193.2	0.722	0.106	3.40	3.41	5.55	2.72	1.31	17.31	73.10	G
1	19	90	19	10.5	6.42	34.0	179.7	196.7	0.812	0.160	3.98	4.06	6.61	1.87	2.35	55.11	34.07	G
1	19	90	19	13.5	6.52	7.3	320.9	194.5	0.880	0.174	3.74	4.20	3.01	6.51	2.39	40.45	47.64	G
1	19	90	19	16.5	6.51	22.5	350.8	188.7	0.759	0.132	4.61	3.82	6.68	10.27	11.15	38.39	33.51	G
1	19	90	19	19.5	6.38	5.2	124.7	229.8	0.604	0.078	5.51	5.95	7.67	5.15	12.46	57.22	17.50	G
1	19	90	19	22.5	6.32	24.4	193.1	3.4	0.600	0.037	5.48	3.71	12.07	23.36	11.14	17.25	36.19	G
1	20	90	20	1.5	6.58	23.1	340.9	7.2	0.860	0.045	6.87	9.48	6.64	35.35	16.97	28.84	12.20	G
1	20	90	20	4.5	6.63	33.5	3.6	2.9	0.639	0.058	6.74	10.24	9.16	36.36	20.37	24.46	9.65	G
1	20	90	20	7.5	6.52	1.5	355.4	322.2	0.660	0.052	6.87	10.24	7.82	32.31	21.02	28.51	10.34	G
1	20	90	20	10.5	6.41	18.1	188.6	21.5	0.659	0.033	6.92	6.24	9.16	27.67	26.63	25.81	10.72	G
1	20	90	20	13.5	6.46	11.9	215.3	28.9	0.701	0.052	6.36	5.02	7.41	25.31	13.82	41.68	11.78	G
1	20	90	20	16.5	6.50	27.0	309.6	245.5	0.611	0.107	5.39	5.02	3.22	6.72	6.01	75.14	8.91	G
1	20	90	20	19.5	6.41	4.8	322.9	330.3	0.767	0.087	3.81	11.13	9.48	16.83	9.81	18.52	45.37	G
1	20	90	20	22.5	6.35	21.3	184.4	53.6	0.672	0.122	4.02	3.94	5.24	4.56	2.93	27.69	59.59	G

Mon	Day	Yr	JDA	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	90	21	1.5	6.50	9.5	177.9	342.4	0.663	0.072	4.95	3.51	23.64	9.60	5.40	17.00	44.36	G
1	21	90	21	4.5	6.60	27.1	342.6	351.7	0.733	0.084	4.83	8.83	9.89	17.89	16.10	26.79	29.33	G
1	21	90	21	7.5	6.47	5.4	320.0	14.8	0.680	0.130	3.88	3.51	5.97	11.20	8.21	11.57	63.05	G
1	21	90	21	10.5	6.37	15.3	210.5	22.2	0.685	0.107	4.05	3.82	10.03	6.56	8.08	14.20	61.13	G
1	21	90	21	13.5	6.40	18.4	210.0	19.1	0.803	0.111	4.49	3.94	6.94	8.79	5.18	30.41	48.67	G
1	21	90	21	16.5	6.51	7.9	171.7	29.7	0.712	0.080	4.76	4.06	15.85	16.37	7.05	29.17	31.56	G
1	21	90	21	19.5	6.53	3.9	54.2	350.3	0.634	0.068	5.36	4.06	13.07	16.49	12.01	38.24	20.20	G
1	21	90	21	22.5	6.37	30.7	165.5	127.2	0.807	0.031	6.78	8.83	11.63	27.15	19.45	29.82	11.95	G
1	22	90	22	1.5	6.51	16.9	203.8	30.2	0.786	0.056	6.97	8.83	4.30	32.44	35.12	25.32	2.83	G
1	22	90	22	4.5	6.73	39.8	344.7	357.4	0.727	0.087	5.79	9.48	2.59	21.76	21.38	38.42	15.85	G
1	22	90	22	7.5	6.71	27.1	6.0	5.3	0.688	0.072	6.56	8.26	4.14	39.20	14.56	18.31	23.78	G
1	22	90	22	10.5	6.54	7.5	208.8	280.5	0.698	0.061	6.02	5.02	9.66	20.07	11.05	45.23	14.00	G
1	22	90	22	13.5	6.45	10.7	195.4	256.0	0.669	0.046	6.48	10.24	7.07	35.94	10.22	32.82	13.95	G
1	22	90	22	16.5	6.65	11.8	316.0	354.6	0.877	0.072	5.57	4.49	5.89	22.08	14.53	38.48	19.02	G
1	22	90	22	19.5	6.72	38.3	330.6	358.5	0.787	0.069	5.31	9.48	5.24	28.76	8.19	37.58	20.23	G
1	22	90	22	22.5	6.59	12.3	200.4	219.7	0.741	0.047	6.44	10.24	18.83	30.05	10.79	25.02	15.31	G
1	23	90	23	1.5	6.59	10.2	175.8	284.3	0.601	0.035	6.36	5.22	12.16	25.67	16.32	33.07	12.79	S
1	23	90	23	4.5	6.87	10.9	297.8	354.4	0.669	0.059	6.48	6.92	5.88	20.60	25.70	39.14	8.68	G
1	23	90	23	7.5	6.93	28.8	341.1	26.1	0.609	0.057	6.28	9.48	5.03	31.24	15.40	28.55	19.78	G
1	23	90	23	10.5	6.73	10.2	196.0	297.5	0.744	0.045	6.97	11.13	15.00	41.80	10.08	22.69	10.43	G
1	23	90	23	13.5	6.51	8.4	195.2	78.0	0.577	0.026	6.69	9.48	25.78	25.99	9.27	20.57	18.39	S
1	23	90	23	16.5	6.64	6.0	222.1	299.9	0.652	0.063	4.65	8.26	9.50	31.81	7.61	10.59	40.49	G
1	23	90	23	19.5	6.75	27.6	328.2	12.5	0.692	0.090	4.25	9.48	5.26	24.73	10.32	13.29	46.40	G
1	23	90	23	22.5	6.54	11.6	149.3	16.9	0.556	0.054	4.95	2.88	13.23	24.12	12.39	14.27	35.99	G
1	24	90	24	1.5	6.38	15.2	174.3	300.0	0.642	0.063	3.79	3.32	8.20	12.72	3.14	10.78	65.16	G
1	24	90	24	4.5	6.63	8.8	323.4	1.4	0.715	0.083	5.25	9.48	6.18	34.79	13.89	10.00	35.13	G
1	24	90	24	7.5	6.77	36.5	356.8	5.0	0.693	0.066	6.83	9.48	13.09	38.75	8.95	18.38	20.83	G
1	24	90	24	10.5	6.66	5.9	341.3	24.0	0.661	0.062	6.48	10.24	13.29	42.16	10.36	13.22	20.97	G
1	24	90	24	13.5	6.39	16.4	178.6	325.5	0.717	0.060	5.54	6.56	9.39	12.12	30.61	16.41	31.47	G
1	24	90	24	16.5	6.50	6.3	232.2	287.0	0.660	0.055	7.01	8.83	9.62	26.66	26.71	26.13	10.88	G
1	24	90	24	19.5	6.73	33.4	314.5	335.8	0.728	0.100	5.28	5.22	3.76	9.53	10.30	63.54	12.87	G
1	24	90	24	22.5	6.59	16.0	299.9	341.1	0.811	0.080	5.60	10.24	10.67	18.17	10.64	41.19	19.33	G
1	25	90	25	1.5	6.40	16.4	186.2	3.3	0.887	0.036	7.26	10.24	48.78	10.29	4.57	26.55	9.81	G
1	25	90	25	4.5	6.55	23.9	189.2	9.4	0.859	0.047	6.28	8.83	10.41	36.91	20.48	12.93	19.27	G
1	25	90	25	7.5	6.83	36.6	348.7	18.4	0.774	0.072	5.63	8.83	7.40	25.47	19.62	30.75	16.76	G
1	25	90	25	10.5	6.72	6.1	303.5	203.8	0.588	0.094	5.51	5.02	4.45	20.90	3.68	61.32	9.65	G
1	25	90	25	13.5	6.41	25.0	191.0	12.1	0.845	0.063	4.28	3.41	13.03	7.55	6.74	19.58	53.10	G
1	25	90	25	16.5	6.38	23.1	186.2	345.4	0.725	0.407	4.03	4.06	2.41	1.08	1.70	73.22	21.59	G
1	25	90	25	19.5	6.63	34.7	326.9	328.0	0.726	0.445	4.00	3.94	3.11	1.58	3.90	54.63	36.78	G
1	25	90	25	22.5	6.59	3.8	359.6	324.1	0.678	0.190	4.51	4.06	6.14	8.32	10.20	33.08	42.26	G

Mon	Day	Yr	JDA	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	90	26	1.5	6.29	27.6	183.3	19.5	0.724	0.097	4.45	3.94	8.27	6.52	5.59	38.82	40.80	G
1	26	90	26	4.5	6.31	33.0	183.0	11.0	0.890	0.057	4.65	4.34	7.94	9.93	9.04	40.14	32.95	G
1	26	90	26	7.5	6.83	12.8	328.1	193.2	0.909	0.376	4.06	3.94	5.72	2.55	7.15	50.68	33.89	G
1	26	90	26	10.5	6.83	21.6	336.3	190.0	0.923	0.489	4.55	4.65	2.31	3.33	2.28	73.62	18.46	G
1	26	90	26	13.5	6.43	25.0	184.3	199.4	0.779	0.112	3.71	3.82	5.22	6.32	1.81	24.74	61.91	G
1	26	90	26	16.5	6.34	30.0	179.0	192.3	0.692	0.055	3.59	3.61	16.94	6.77	1.97	12.63	61.70	G
1	26	90	26	19.5	6.72	32.0	342.4	344.7	0.755	0.081	6.92	8.83	3.73	40.04	15.23	30.11	10.89	G
1	26	90	26	22.5	6.67	28.1	19.2	359.6	0.563	0.067	6.97	9.48	7.10	47.36	10.99	19.76	14.79	G
1	27	90	27	1.5	6.37	22.7	180.8	52.5	0.564	0.030	6.87	11.13	29.88	24.44	7.91	9.39	28.38	G
1	27	90	27	4.5	6.30	23.5	192.2	11.0	0.911	0.017	5.33	3.01	25.24	11.59	7.82	15.85	39.50	G
1	27	90	27	7.5	6.69	36.3	335.4	196.7	0.735	0.122	5.92	5.02	2.47	4.35	8.80	80.68	3.69	G
1	27	90	27	10.5	6.79	34.1	359.7	358.0	0.712	0.040	7.64	10.24	14.07	41.78	24.74	13.19	6.22	G
1	27	90	27	13.5	6.44	18.0	169.4	118.4	0.809	0.038	8.90	11.13	55.69	19.85	10.11	8.98	5.37	G
1	27	90	27	16.5	6.23	27.7	184.3	33.5	0.671	0.087	3.68	3.61	4.54	2.78	1.53	20.58	70.57	G
1	27	90	27	19.5	6.50	24.1	340.2	348.7	0.830	0.167	3.88	4.06	3.62	5.75	7.50	34.73	48.40	G
1	27	90	27	22.5	6.58	29.6	353.9	348.8	0.791	0.081	3.64	3.24	7.18	12.07	5.08	12.30	63.36	G
1	28	90	28	1.5	6.33	21.8	166.4	309.2	0.716	0.073	3.91	3.71	14.86	10.61	4.21	14.07	56.25	G
1	28	90	28	4.5	6.13	37.4	176.3	21.1	0.774	0.122	4.11	4.20	3.69	1.03	0.62	66.51	28.16	G
1	28	90	28	7.5	6.46	11.0	311.1	354.3	0.851	0.119	4.23	4.06	3.41	12.43	10.51	34.66	38.99	G
1	28	90	28	10.5	6.68	37.4	356.3	1.5	0.769	0.093	4.20	9.48	8.66	25.16	6.06	10.41	49.71	G
1	28	90	28	13.5	6.41	14.9	156.3	347.0	0.676	0.060	5.95	12.19	33.24	21.02	4.11	6.84	34.79	G
1	28	90	28	16.5	6.15	35.2	173.4	37.1	0.582	0.031	4.68	4.06	25.19	3.94	3.37	34.42	33.07	G
1	28	90	28	19.5	6.41	10.1	321.4	352.2	0.882	0.048	8.53	8.83	12.63	55.19	24.52	4.18	3.48	G
1	28	90	28	22.5	6.67	36.9	353.8	356.6	0.739	0.055	8.46	9.48	18.43	51.09	12.39	11.94	6.15	G
1	29	90	29	1.5	6.46	2.6	344.7	356.3	0.710	0.058	6.83	12.19	33.56	21.98	4.74	8.61	31.09	G
1	29	90	29	4.5	6.18	26.2	176.7	34.9	0.700	0.027	6.48	12.19	38.94	26.06	3.24	6.93	24.83	G
1	29	90	29	7.5	6.42	12.1	284.1	349.1	0.801	0.069	7.42	9.48	9.73	46.93	13.30	7.48	22.57	G
1	29	90	29	10.5	6.70	39.7	354.5	351.6	0.718	0.088	5.79	10.24	9.36	26.24	6.59	43.13	14.68	G
1	29	90	29	13.5	6.51	11.1	348.7	192.2	0.698	0.076	5.75	4.83	18.74	21.74	4.20	37.31	18.02	G
1	29	90	29	16.5	6.22	22.7	177.3	333.8	0.612	0.064	4.15	12.19	23.19	12.25	1.85	8.73	53.98	G
1	29	90	29	19.5	6.36	9.5	213.7	347.1	0.769	0.173	3.85	3.32	5.50	11.83	4.80	15.30	62.58	G
1	29	90	29	22.5	6.61	52.6	358.0	350.8	0.726	0.144	3.86	3.61	15.48	15.12	4.41	7.11	57.88	G
1	30	90	30	1.5	6.64	13.1	12.9	17.6	0.681	0.120	3.98	3.41	8.31	12.00	3.84	20.53	55.31	G
1	30	90	30	4.5	6.29	22.8	190.2	27.0	0.813	0.107	3.97	4.65	8.44	1.95	2.38	54.81	32.43	S
1	30	90	30	7.5	6.41	18.0	199.5	29.5	0.846	0.050	5.12	4.34	31.99	7.50	2.28	31.91	26.31	G
1	30	90	30	10.5	6.86	28.5	335.9	2.2	0.814	0.126	6.78	7.76	4.35	23.31	46.87	18.60	6.86	G
1	30	90	30	13.5	6.79	9.0	347.7	196.2	0.858	0.140	5.04	8.83	8.40	26.38	6.80	20.27	38.15	G
1	30	90	30	16.5	6.41	20.0	186.1	26.3	0.746	0.039	4.85	13.47	20.73	10.34	9.04	19.38	40.51	G
1	30	90	30	19.5	6.43	13.5	204.9	33.7	0.819	0.049	4.27	3.16	27.76	6.12	6.91	3.61	55.61	S
1	30	90	30	22.5	6.73	17.4	345.9	4.0	0.770	0.097	6.32	8.83	2.83	24.85	26.67	39.42	6.24	G

Mon	Day	Yr	JDA	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	90	31	1.5	6.70	9.4	345.5	356.3	0.690	0.075	6.87	10.24	25.08	29.02	11.93	21.55	12.42	G
1	31	90	31	4.5	6.45	15.0	178.9	267.1	0.628	0.036	7.53	13.47	35.72	27.48	8.84	14.68	13.28	G
1	31	90	31	7.5	6.34	33.8	183.8	11.3	0.875	0.030	5.89	3.94	17.58	19.65	4.64	25.69	32.44	G
1	31	90	31	10.5	6.70	8.3	299.8	57.3	0.758	0.079	7.42	10.24	9.79	38.55	36.70	12.41	2.55	G
1	31	90	31	13.5	6.74	11.5	335.1	13.3	0.752	0.068	7.70	9.48	30.82	17.84	14.97	28.16	8.21	G
1	31	90	31	16.5	6.41	12.9	200.9	39.3	0.710	0.045	5.25	12.19	31.01	9.11	9.43	21.25	29.19	G
1	31	90	31	19.5	6.35	33.0	185.1	10.8	0.895	0.020	4.72	10.24	26.11	17.23	6.33	10.96	39.36	G
1	31	90	31	22.5	6.67	29.3	337.8	351.0	0.802	0.061	7.88	9.48	10.45	37.45	28.32	19.87	3.91	G

Mon	Day	Yr	JDAY	Time (est)	Depth (m)	MC_SPD (degT)	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	90	32	1.5	6.79	32.3	1.4	5.9	0.777	0.071	6.65	4.65	22.76	19.09	11.37	28.17	18.61	G
2	1	90	32	4.5	6.60	3.9	225.8	301.0	0.813	0.054	7.59	8.83	17.06	34.69	22.24	15.31	10.70	G
2	1	90	32	7.5	6.42	25.3	184.5	18.0	0.784	0.034	7.70	7.76	23.75	26.58	25.92	16.63	7.12	G
2	1	90	32	10.5	6.64	4.9	283.1	356.5	0.808	0.067	7.47	10.24	10.40	42.54	14.63	23.50	8.92	G
2	1	90	32	13.5	6.73	32.3	351.1	351.1	0.764	0.085	5.92	10.24	6.05	25.79	22.44	35.34	10.38	G
2	1	90	32	16.5	6.49	15.6	161.0	326.6	0.74	0.065	6.32	11.13	17.77	25.27	14.24	29.79	12.92	G
2	1	90	32	19.5	6.30	30.1	178.9	200.9	0.739	0.069	4.34	3.82	8.25	7.75	5.32	25.99	52.68	S
2	1	90	32	22.5	6.52	15.0	215.0	1.0	0.681	0.053	7.37	9.48	12.65	35.19	26.24	21.79	4.13	G
2	2	90	33	1.5	6.77	43.4	355.7	351.3	0.748	0.102	5.28	9.48	3.49	25.09	12.61	37.82	20.99	G
2	2	90	33	4.5	6.64	10.2	6.1	5.9	0.743	0.075	6.56	6.56	10.06	13.58	23.80	41.25	11.32	G
2	2	90	33	7.5	6.42	28.8	185.5	20.2	0.822	0.053	5.20	6.92	11.41	10.29	21.64	27.85	28.81	S
2	2	90	33	10.5	6.44	18.7	198.5	16.1	0.824	0.062	5.66	9.48	7.61	27.51	14.35	25.71	24.82	G
2	2	90	33	13.5	6.61	33.6	327.1	350.1	0.765	0.082	5.25	9.48	7.59	15.30	13.11	42.36	21.63	G
2	2	90	33	16.5	6.46	6.7	271.6	346.1	0.797	0.089	4.79	5.45	13.80	10.53	11.48	35.22	28.97	G
2	2	90	33	19.5	6.28	37.4	169.2	37.2	0.608	0.061	4.34	4.20	15.04	4.75	3.57	38.84	37.79	G
2	2	90	33	22.5	6.36	30.7	194.9	15.1	0.869	0.053	6.65	5.95	4.68	4.26	1.51	82.34	7.20	S
2	3	90	34	1.5	6.70	36.9	337.9	11.0	0.73	0.078	6.10	5.45	8.02	13.77	16.87	52.93	8.42	G
2	3	90	34	4.5	6.67	10.8	338.6	4.6	0.743	0.099	5.54	5.45	5.34	8.13	8.91	61.33	16.29	G
2	3	90	34	7.5	6.49	11.4	185.1	274.9	0.638	0.055	5.72	15.06	25.33	13.58	11.12	30.39	19.58	S
2	3	90	34	10.5	6.46	23.3	191.9	22.3	0.778	0.066	3.84	3.16	9.61	9.86	6.61	23.49	50.44	S
2	3	90	34	13.5	6.70	28.4	335.8	198.9	0.702	0.105	4.27	3.24	9.33	11.88	10.01	22.31	46.47	G
2	3	90	34	16.5	6.69	27.2	354.9	193.9	0.749	0.109	4.38	3.41	8.07	13.17	9.18	19.62	49.96	G
2	3	90	34	19.5	6.54	15.2	165.1	193.0	0.698	0.123	3.67	3.61	8.50	5.62	4.80	18.27	62.82	G
2	3	90	34	22.5	6.48	40.5	170.9	191.9	0.638	0.119	4.21	4.83	9.57	4.26	4.46	41.00	40.70	G
2	4	90	35	1.5	6.80	16.8	335.5	181.6	0.788	0.11	4.13	8.83	11.41	12.75	11.88	21.55	42.42	G
2	4	90	35	4.5	6.85	24.2	0.0	4.2	0.726	0.09	4.83	6.24	6.33	12.31	19.16	34.64	27.56	G
2	4	90	35	7.5	6.69	1.8	168.2	317.6	0.625	0.069	6.56	6.92	8.26	23.74	24.21	30.76	13.03	G
2	4	90	35	10.5	6.51	25.7	180.7	11.8	0.646	0.059	4.97	6.92	24.09	8.62	19.07	16.13	32.09	G
2	4	90	35	13.5	6.62	11.5	213.8	6.0	0.794	0.111	5.07	6.56	8.07	8.81	19.41	28.57	35.14	G
2	4	90	35	16.5	6.73	32.6	326.6	347.6	0.726	0.121	5.51	5.02	5.41	8.15	15.32	58.90	12.22	G
2	4	90	35	19.5	6.76	19.8	189.5	203.8	0.789	0.311	3.89	3.94	2.97	2.29	1.91	44.28	48.55	S
2	4	90	35	22.5	6.56	71.9	174.8	193.6	0.863	0.64	4.25	4.65	1.90	0.69	1.50	79.66	16.25	S
2	5	90	36	1.5	6.83	32.6	182.2	201.3	0.881	1.05	4.68	5.22	1.77	0.76	3.65	83.22	10.60	G
2	5	90	36	4.5	7.17	29.1	339.8	197.3	0.913	0.939	4.92	5.45	0.91	0.44	2.89	89.89	5.87	G
2	5	90	36	7.5	7.05	1.9	313.9	194.8	0.905	0.784	4.81	5.22	1.29	0.79	4.17	81.92	11.83	G
2	5	90	36	10.5	6.77	37.0	177.4	194.0	0.876	0.536	4.20	4.83	2.93	1.08	1.96	70.87	23.16	G
2	5	90	36	13.5	6.66	21.3	187.7	201.2	0.836	0.276	4.03	4.06	2.75	1.24	1.69	58.62	35.70	G
2	5	90	36	16.5	6.83	35.7	341.7	184.9	0.851	0.169	4.49	4.49	4.52	10.34	9.83	45.85	29.46	G
2	5	90	36	19.5	6.78	6.9	321.9	13.2	0.695	0.085	6.24	11.13	10.98	25.01	18.34	23.71	21.95	G
2	5	90	36	22.5	6.56	13.0	218.5	55.3	0.739	0.057	7.47	12.19	27.40	25.21	11.35	19.63	16.42	G

Mon	Day	Yr	JDAY	Time (est)	Depth (m)	MC_SPD (degT)	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	90	37	1.5	6.61	10.6	237.9	40.1	0.878	0.107	4.83	3.16	7.33	28.67	8.37	9.61	46.02	G
2	6	90	37	4.5	6.91	37.2	344.2	350.7	0.786	0.166	4.83	3.61	10.44	18.87	8.96	17.84	43.89	G
2	6	90	37	7.5	6.96	13.3	343.8	14.0	0.737	0.146	4.61	12.19	22.80	19.14	5.50	11.51	41.05	G
2	6	90	37	10.5	6.72	20.4	183.5	31.8	0.768	0.134	4.23	3.82	17.21	6.94	3.40	14.00	58.45	S
2	6	90	37	13.5	6.55	42.2	182.6	13.1	0.877	0.087	4.25	4.06	14.86	8.14	2.83	36.81	37.37	S
2	6	90	37	16.5	6.70	12.3	192.4	347.8	0.639	0.147	5.00	4.20	13.33	20.50	1.70	39.64	24.83	G
2	6	90	37	19.5	6.81	29.0	336.9	351.5	0.833	0.095	5.31	9.48	20.39	18.55	8.24	20.39	32.43	G
2	6	90	37	22.5	6.52	30.1	188.4	352.2	0.765	0.047	5.72	15.06	37.28	7.46	2.68	34.57	18.01	G
2	7	90	38	1.5	6.39	49.3	178.0	10.8	0.783	0.034	4.25	3.61	12.57	6.19	2.72	22.01	56.51	G
2	7	90	38	4.5	6.66	12.2	327.2	356.4	0.916	0.081	7.16	10.24	20.09	35.67	12.21	11.19	20.83	G
2	7	90	38	7.5	6.79	41.3	359.7	1.0	0.7	0.053	5.72	13.47	33.33	14.91	7.24	15.40	29.11	G
2	7	90	38	10.5	6.61	3.9	269.9	32.0	0.749	0.051	6.97	12.19	44.99	14.04	2.63	15.99	22.35	G
2	7	90	38	13.5	6.33	25.1	191.1	15.2	0.845	0.028	6.61	13.47	46.26	7.98	2.19	26.89	16.68	G
2	7	90	38	16.5	6.54	6.5	242.6	270.1	0.619	0.048	9.85	9.48	17.20	61.24	8.76	10.16	2.64	G
2	7	90	38	19.5	6.82	34.8	342.8	177.1	0.811	0.069	4.57	4.06	24.46	9.95	6.22	21.10	38.27	G
2	7	90	38	22.5	6.65	3.3	182.0	206.0	0.84	0.072	4.34	3.08	21.94	17.53	6.80	7.18	46.55	G
2	8	90	39	1.5	6.40	26.7	183.9	193.7	0.742	0.028	4.34	12.19	25.05	6.18	5.49	16.60	46.67	G
2	8	90	39	4.5	6.64	13.5	210.8	11.5	0.797	0.04	7.53	11.13	11.16	51.40	15.85	10.12	11.47	G
2	8	90	39	7.5	6.92	50.0	356.1	189.8	0.772	0.044	5.48	5.69	21.44	15.08	6.81	34.47	22.20	G
2	8	90	39	10.5														M
2	8	90	39	13.6	6.82	22.0	171.5	21.2	0.603	0.021	6.92	11.13	33.63	17.27	8.85	22.77	17.48	G
2	8	90	39	16.6	6.87	5.7	203.9	343.0	0.531	0.044	5.12	3.82	17.32	20.19	8.97	13.07	40.45	G
2	8	90	39	19.6	7.20	43.8	337.5	56.4	0.718	0.044	6.02	6.24	7.75	11.77	36.69	27.16	16.62	G
2	8	90	39	22.6	7.08	18.6	6.0	217.7	0.52	0.062	4.90	4.65	12.65	21.41	7.69	34.50	23.74	G
2	9	90	40	1.6	6.79	34.7	173.0	350.4	0.637	0.044	3.98	3.71	16.41	13.60	5.63	9.11	55.26	G
2	9	90	40	4.6	6.82	13.0	188.7	42.3	0.684	0.087	4.20	3.94	5.70	3.51	3.60	47.85	39.35	G
2	9	90	40	7.6	7.22	31.0	332.3	58.0	0.862	0.079	4.27	3.24	9.07	4.78	19.98	24.52	41.65	G
2	9	90	40	10.6	7.17	12.5	337.0	254.8	0.609	0.06	5.31	8.83	12.12	23.70	13.92	21.57	28.69	G
2	9	90	40	13.6	6.81	24.7	183.7	49.3	0.766	0.035	6.44	8.83	24.41	20.84	8.08	18.04	28.62	G
2	9	90	40	16.6	6.71	14.1	189.6	354.6	0.708	0.022	5.20	7.31	18.26	13.15	10.76	23.37	34.47	G
2	9	90	40	19.6	7.05	25.3	348.3	57.4	0.83	0.098	5.07	6.24	7.78	11.60	21.34	32.95	26.33	G
2	9	90	40	22.6	7.03	10.6	318.1	60.0	0.93	0.086	4.32	3.24	10.32	11.89	14.96	18.98	43.85	S
2	10	90	41	1.6	6.70	20.4	192.6	49.2	0.78	0.079	4.32	5.02	5.58	3.06	9.26	46.75	35.36	G
2	10	90	41	4.6	6.52	6.2	234.2	37.1	0.829	0.15	3.92	3.94	3.03	0.99	1.04	49.82	45.12	G
2	10	90	41	7.6	6.92	42.6	331.1	44.7	0.676	0.234	3.91	3.71	2.82	2.87	3.64	46.72	43.94	S
2	10	90	41	10.6	6.98	29.9	353.2	344.0	0.655	0.294	3.98	3.94	2.44	6.34	5.71	38.52	47.00	G
2	10	90	41	13.6	6.88	23.6	168.5	165.1	0.76	0.205	3.98	4.06	3.88	2.12	2.91	53.79	37.30	G
2	10	90	41	16.6	6.68	14.1	184.2	172.0	0.802	0.132	3.61	3.61	8.35	0.75	1.14	21.88	67.88	G
2	10	90	41	19.6	6.86	6.0	303.4	201.4	0.777	0.093	4.08	4.20	5.67	7.74	10.76	29.49	46.34	G
2	10	90	41	22.6	7.11	28.4	336.7	193.1	0.61	0.122	7.37	8.26	50.03	8.67	13.14	19.26	8.90	G

Mon	Day	Yr	JDAY	Time (est)	Depth (m)	MC_SPD (degT)	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	90	42	1.6	6.90	32.1	163.9	196.4	0.774	0.477	4.15	4.20	2.98	0.99	1.21	66.17	28.65	S
2	11	90	42	4.6	6.74	35.1	171.8	233.2	0.721	0.314	3.94	3.82	3.45	0.96	1.21	51.71	42.66	S
2	11	90	42	7.6	7.00	25.3	338.5	242.5	0.773	0.132	4.00	3.61	3.67	8.08	13.67	16.33	58.23	S
2	11	90	42	10.6	7.17	27.9	348.2	353.0	0.796	0.093	4.43	3.61	8.20	11.40	8.84	34.54	37.03	G
2	11	90	42	13.6	6.93	4.6	28.7	256.0	0.815	0.081	5.07	9.48	6.68	26.41	16.23	20.95	29.73	S
2	11	90	42	16.6	6.66	15.4	178.5	254.0	0.607	0.04	4.53	5.69	15.89	10.19	10.36	38.63	24.92	G
2	11	90	42	19.6	6.91	16.8	322.5	260.5	0.672	0.148	3.66	3.41	4.90	3.65	8.09	10.19	73.17	S
2	11	90	42	22.6	7.13	27.9	348.8	62.9	0.848	0.08	4.11	3.01	7.00	12.58	17.50	19.58	43.34	S
2	12	90	43	1.6	6.99	2.4	137.0	310.7	0.665	0.064	5.17	8.83	24.96	23.86	12.93	9.44	28.82	G
2	12	90	43	4.6	6.77	39.8	175.3	42.8	0.644	0.031	4.68	3.41	19.26	12.56	11.51	19.01	37.65	G
2	12	90	43	7.6	6.95	11.6	198.9	243.8	0.59	0.053	3.34	2.94	10.53	6.55	10.95	2.46	69.51	G
2	12	90	43	10.6	7.29	34.1	330.7	218.9	0.66	0.207	4.00	4.06	5.15	2.85	3.62	49.00	39.37	G
2	12	90	43	13.6	7.10	3.5	232.2	234.2	0.717	0.211	4.03	3.82	3.31	1.55	1.64	54.03	39.47	S
2	12	90	43	16.6	6.83	26.2	171.8	198.7	0.611	0.085	3.51	3.41	2.74	1.26	1.03	17.21	77.76	G
2	12	90	43	19.6	6.99	6.3	286.8	229.4	0.672	0.058	3.97	7.76	5.45	11.25	15.80	6.53	60.98	S
2	12	90	43	22.6	7.23	33.9	349.4	191.1	0.769	0.039	5.31	6.56	27.27	6.81	21.37	18.08	26.47	G
2	13	90	44	1.6	7.14	11.6	340.2	307.6	0.704	0.053	5.39	4.34	10.38	14.47	6.34	59.96	8.85	G
2	13	90	44	4.6	6.88	14.1	184.9	73.2	0.714	0.037	3.78	3.08	9.85	12.58	8.96	6.14	62.48	G
2	13	90	44	7.6	6.95	6.9	218.5	52.1	0.85	0.082	3.81	3.51	9.78	4.03	4.83	8.87	72.50	S
2	13	90	44	10.6	7.20	35.9	345.0	61.8	0.752	0.106	3.47	3.41	3.32	2.37	5.04	10.49	78.77	S
2	13	90	44	13.6	7.09	11.3	353.2	256.2	0.608	0.068	3.63	3.24	4.34	16.37	3.69	5.84	69.75	S
2	13	90	44	16.6	6.81	36.3	170.7	347.4	0.666	0.07	4.23	4.65	6.67	8.53	4.24	43.70	36.86	G
2	13	90	44	19.6	6.83	14.8	188.9	3.0	0.594	0.132	3.92	4.06	3.20	3.50	7.88	42.12	43.30	G
2	13	90	44	22.6	7.10	33.5	314.1	60.5	0.618	0.166	3.91	3.82	1.97	2.42	5.54	31.39	58.68	S
2	14	90	45	1.6	7.12	16.3	344.2	347.9	0.673	0.155	3.97	3.82	4.44	4.68	4.41	41.67	44.79	G
2	14	90	45	4.6	6.82	25.5	193.0	24.5	0.69	0.158	4.21	4.06	3.14	1.56	1.71	67.16	26.44	G
2	14	90	45	7.6	6.77	11.9	193.0	48.5	0.752	0.053	4.23	4.34	4.34	2.31	4.03	55.87	33.44	G
2	14	90	45	10.6	7.01	14.5	335.7	51.8	0.653	0.093	4.49	3.71	4.97	8.80	18.57	36.61	31.06	G
2	14	90	45	13.6	6.99	22.4	336.3	63.7	0.844	0.099	4.49	4.49	4.12	11.09	13.42	43.06	28.31	S
2	14	90	45	16.6	6.71	19.6	166.8	358.6	0.594	0.047	5.12	4.65	7.55	6.07	8.84	61.96	15.57	G
2	14	90	45	19.6	6.72	23.6	172.4	1.1	0.568	0.024	5.22	4.65	10.46	7.23	11.93	49.03	21.35	G
2	14	90	45	22.6	6.99	28.1	342.7	64.6	0.863	0.071	5.36	5.02	3.58	11.35	14.34	59.40	11.34	S
2	15	90	46	1.6	7.10	32.9	358.4	62.3	0.811	0.056	5.09	4.34	11.82	9.00	6.89	51.36	20.94	S
2	15	90	46	4.6	6.87	4.5	161.7	335.3	0.676	0.044	6.97	12.19	17.77	24.25	17.50	29.68	10.80	G
2	15	90	46	7.6	6.79	18.4	177.5	59.6	0.638	0.042	6.13	5.69	15.36	19.92	8.04	36.75	19.93	G
2	15	90	46	10.6	6.99	22.0	340.0	46.1	0.625	0.06	5.39	9.48	7.98	34.42	10.01	25.13	22.46	G
2	15	90	46	13.6	7.06	25.4	347.6	59.6	0.851	0.06	4.47	11.13	10.43	16.15	7.10	29.67	36.65	S
2	15	90	46	16.6	6.88	13.4	162.5	255.8	0.697	0.06	4.97	13.47	25.83	13.45	5.89	21.58	33.25	G
2	15	90	46	19.6	6.87	7.9	205.8	62.6	0.768	0.05	5.48	12.19	15.61	23.43	5.20	20.16	35.59	G
2	15	90	46	22.6	7.05	18.9	327.4	72.0	0.819	0.096	4.03	3.24	12.57	13.88	8.69	10.33	54.52	S

Mon	Day	Yr	JDAY	Time (est)	Depth (m)	MC_SPD (degT)	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	90	47	1.6	7.20	23.3	342.4	58.7	0.809	0.122	3.85	3.61	6.13	6.42	5.72	22.23	59.51	S
2	16	90	47	4.6	7.07	4.2	48.2	71.8	0.605	0.135	3.81	3.61	6.07	3.60	3.47	16.60	70.26	S
2	16	90	47	7.6	6.94	19.2	175.1	26.4	0.608	0.086	4.10	3.82	8.11	6.05	4.58	22.98	58.28	G
2	16	90	47	10.6	7.02	5.1	235.6	8.4	0.746	0.074	5.02	3.41	7.97	14.62	19.15	27.46	30.80	G
2	16	90	47	13.6	7.11	31.5	312.8	344.9	0.679	0.119	5.15	6.92	3.44	14.51	28.06	38.36	15.64	G
2	16	90	47	16.6	6.96	8.9	259.7	68.7	0.692	0.083	4.49	4.65	16.38	11.86	8.79	26.07	36.89	S
2	16	90	47	19.6	6.78	26.8	171.4	48.5	0.612	0.066	4.47	3.32	10.89	10.72	7.99	27.45	42.95	G
2	16	90	47	22.6	6.84	15.4	197.4	31.2	0.724	0.141	4.45	4.34	7.60	5.70	9.17	41.54	35.99	G
2	17	90	48	1.6	7.14	39.6	333.3	49.2	0.666	0.149	4.53	3.51	5.27	14.08	10.01	32.27	38.37	G
2	17	90	48	4.6	7.00	2.7	336.6	287.8	0.614	0.099	5.66	5.22	17.04	8.65	11.94	44.45	17.92	G
2	17	90	48	7.6	6.88	12.2	172.2	66.9	0.699	0.05	5.25	4.34	6.76	12.04	12.32	51.47	17.41	G
2	17	90	48	10.6	6.88	12.5	187.0	30.2	0.658	0.045	5.57	7.31	6.72	18.70	25.87	30.24	18.48	G
2	17	90	48	13.6	7.10	7.3	241.7	246.0	0.784	0.126	3.66	3.32	4.86	3.78	9.92	19.30	62.14	S
2	17	90	48	16.6	7.04	20.3	181.9	209.3	0.767	0.905	4.59	4.65	1.51	0.73	2.27	80.16	15.33	S
2	17	90	48	19.6	6.97	38.0	173.8	200.4	0.813	0.753	4.47	4.65	1.99	0.56	3.25	80.00	14.20	G
2	17	90	48	22.6	6.90	16.6	180.3	226.5	0.75	0.632	4.32	4.65	2.36	0.67	1.85	79.10	16.02	S
2	18	90	49	1.6	7.12	31.9	335.6	214.0	0.668	0.329	4.18	4.20	1.89	1.53	4.79	75.90	15.88	G
2	18	90	49	4.6	7.11	27.1	349.2	212.4	0.76	0.455	4.47	4.49	2.45	1.00	1.20	86.10	9.25	S
2	18	90	49	7.6	6.98	4.5	41.7	236.0	0.717	0.216	4.03	4.06	3.39	2.66	3.10	54.79	36.06	S
2	18	90	49	10.6	6.94	12.3	155.9	207.3	0.626	0.126	3.89	3.71	10.48	2.35	4.27	19.96	62.93	G
2	18	90	49	13.6	7.01	12.1	4.0	244.2	0.736	0.071	4.45	6.92	6.22	6.94	32.22	21.61	32.99	S
2	18	90	49	16.6	7.02	17.0	344.2	62.0	0.647	0.061	5.60	5.02	6.74	11.56	16.47	41.48	23.75	G
2	18	90	49	19.6	6.92	6.3	185.6	261.5	0.814	0.067	4.76	8.26	5.50	16.51	16.67	31.58	29.73	S
2	18	90	49	22.6	6.88	10.7	194.7	69.7	0.748	0.057	5.02	6.56	6.54	8.57	29.58	26.79	28.52	G
2	19	90	50	1.6	7.11	24.5	340.1	336.0	0.578	0.08	5.22	5.95	5.12	6.18	22.20	49.19	17.32	G
2	19	90	50	4.6	7.15	17.2	331.6	59.3	0.815	0.082	5.54	5.69	4.09	3.42	20.68	57.40	14.40	S
2	19	90	50	7.6	7.04	1.2	180.6	323.4	0.81	0.064	6.44	6.92	6.80	9.83	29.77	44.59	9.00	G
2	19	90	50	10.6	6.87	16.7	170.4	23.1	0.541	0.043	5.89	5.69	9.75	8.41	29.58	37.00	15.26	G
2	19	90	50	13.6	6.97	7.0	206.0	18.4	0.587	0.068	5.99	5.69	6.51	7.14	32.01	50.43	3.91	G
2	19	90	50	16.6	7.02	9.9	331.7	39.3	0.62	0.084	5.57	5.02	2.98	5.46	26.59	54.32	10.63	S
2	19	90	50	19.6	6.92	18.2	194.2	61.9	0.682	0.063	6.13	5.95	6.26	9.56	28.74	40.58	14.87	S
2	19	90	50	22.6	6.80	28.8	173.7	55.3	0.823	0.033	5.89	6.92	9.26	10.55	35.63	35.51	9.04	S
2	20	90	51	1.6	6.98	9.7	199.6	61.6	0.849	0.094	3.52	3.08	4.26	3.08	13.70	4.70	74.26	S
2	20	90	51	4.6	7.16	5.1	249.5	208.9	0.786	1.032	4.79	4.83	1.25	0.53	2.59	84.88	10.75	S
2	20	90	51	7.6	7.06	8.2	184.2	212.2	0.736	0.666	4.47	4.65	1.73	1.30	2.17	77.13	17.68	S
2	20	90	51	10.6	6.85	27.4	174.7	209.7	0.656	0.363	4.15	4.06	6.05	3.33	2.30	58.58	29.74	S
2	20	90	51	13.6	6.83	8.1	200.0	216.2	0.628	0.254	4.00	4.20	3.04	1.00	2.07	61.63	32.27	S
2	20	90	51	16.6	6.94	38.3	337.4	230.7	0.669	0.164	3.98	3.82	2.72	3.73	3.37	43.53	46.65	S
2	20	90	51	19.6	6.89	16.6	347.7	256.3	0.642	0.123	3.74	3.82	3.90	7.24	4.88	13.06	70.93	S
2	20	90	51	22.6	6.71	18.5	156.4	240.9	0.791	0.072	3.52	3.24	7.36	9.17	3.70	4.98	74.78	S

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2	21	90	52	1.6	6.80	6.5	237.6	62.7	0.919	0.055	5.00	3.01	12.80	9.63	16.88	14.99	45.70	S
2	21	90	52	4.6	7.04	41.7	342.9	60.3	0.79	0.058	5.99	6.92	4.10	15.85	38.76	22.48	18.81	S
2	21	90	52	7.6	7.07	20.2	343.3	53.8	0.787	0.099	5.72	5.22	2.94	6.83	4.61	74.75	10.87	S
2	21	90	52	10.6	6.90	19.6	170.9	61.4	0.784	0.053	5.89	9.48	5.10	24.74	14.90	30.89	24.37	S
2	21	90	52	13.6	6.80	25.0	175.2	40.4	0.701	0.086	5.12	5.69	3.27	7.79	10.22	55.77	22.95	G
2	21	90	52	16.6	6.93	10.3	344.9	60.2	0.879	0.082	5.89	4.65	4.08	10.13	14.63	61.43	9.72	S
2	21	90	52	19.6	7.00	30.2	345.0	358.6	0.659	0.087	4.49	10.24	7.51	23.05	16.55	19.45	33.43	G
2	21	90	52	22.6	6.83	19.1	186.4	66.1	0.789	0.074	5.33	10.24	36.49	14.15	7.13	11.66	30.57	S
2	22	90	53	1.6	6.78	16.7	180.6	62.2	0.76	0.046	4.68	8.26	9.66	18.07	18.40	21.28	32.59	G
2	22	90	53	4.6	7.02	25.3	338.0	67.2	0.934	0.061	5.99	6.92	5.48	16.33	25.61	34.66	17.91	S
2	22	90	53	7.6	7.08	18.2	329.3	67.8	0.926	0.068	5.39	10.24	10.38	18.54	17.19	35.61	18.28	S
2	22	90	53	10.6	6.86	4.5	167.6	72.2	0.815	0.07	3.98	3.01	10.95	16.49	8.09	17.74	46.73	S
2	22	90	53	13.6	6.61	19.8	171.9	342.5	0.669	0.17	3.88	4.20	5.54	2.63	2.50	40.61	48.72	S
2	22	90	53	16.6	6.76	8.7	348.0	321.2	0.677	0.366	4.06	4.06	3.73	1.46	2.22	69.67	22.92	S
2	22	90	53	19.6	6.88	25.0	345.1	276.4	0.564	0.241	3.97	3.82	2.92	2.93	5.65	43.67	44.82	S
2	22	90	53	22.6	6.69	7.6	128.0	317.1	0.663	0.238	4.16	3.71	2.88	12.80	8.33	35.23	40.76	S
2	23	90	54	1.6	6.50	23.6	177.3	1.2	0.637	0.147	4.32	4.34	4.67	6.51	7.17	54.17	27.47	G
2	23	90	54	4.6	6.73	5.9	241.1	301.8	0.525	0.141	6.10	8.83	4.66	25.75	21.41	23.75	24.44	G
2	23	90	54	7.6	7.04	31.4	342.2	67.8	0.542	0.24	6.10	8.83	5.03	35.07	11.85	27.81	20.23	G
2	23	90	54	10.6	6.84	8.6	29.5	265.4	0.702	0.154	4.95	12.19	14.12	15.66	14.03	23.60	32.59	S
2	23	90	54	13.6	6.51	19.7	183.5	16.1	0.68	0.137	4.39	4.20	4.62	5.73	3.74	62.86	23.05	S
2	23	90	54	16.6	6.58	10.4	197.7	14.0	0.682	0.166	4.51	4.34	2.19	8.68	6.24	64.69	18.20	S
2	23	90	54	19.6	6.86	45.7	337.7	258.9	0.569	0.193	4.70	9.48	4.32	22.40	12.21	37.83	23.23	S
2	23	90	54	22.6	6.67	13.7	356.0	276.1	0.625	0.148	4.76	5.22	9.11	13.70	11.35	39.15	26.69	S
2	24	90	55	1.6	6.53	26.2	177.5	166.4	0.806	0.081	3.53	3.32	12.15	5.51	5.68	13.53	63.12	G
2	24	90	55	4.6	6.62	5.0	254.9	68.5	0.928	0.074	4.08	3.32	7.46	30.47	6.97	7.97	47.13	S
2	24	90	55	7.6	7.04	32.4	333.2	249.0	0.589	0.247	4.63	4.83	5.00	12.04	9.83	44.29	28.83	S
2	24	90	55	10.6	6.80	10.1	39.4	261.4	0.666	0.125	4.51	12.19	22.12	11.31	3.45	20.11	43.01	S
2	24	90	55	13.6	6.47	25.1	173.7	26.0	0.547	0.13	3.97	4.06	7.36	4.08	1.16	42.07	45.33	S
2	24	90	55	16.6	6.43	20.3	195.9	113.2	0.631	0.174	3.72	3.41	23.59	1.77	0.85	11.47	62.32	S
2	24	90	55	19.6	6.72	46.0	344.1	65.4	0.681	0.087	4.57	10.24	8.60	27.57	5.06	15.14	43.62	S
2	24	90	55	22.6	6.79	13.4	322.5	261.8	0.696	0.182	4.27	4.49	10.69	5.18	2.05	58.78	23.29	W
2	25	90	56	1.6	6.59	42.7	172.9	99.8	0.549	0.212	3.36	3.41	9.12	1.71	2.91	18.15	68.12	S
2	25	90	56	4.6	6.43	32.9	180.0	226.5	0.644	0.215	3.57	3.61	4.09	1.12	3.21	26.34	65.24	S
2	25	90	56	7.6	6.98	20.8	328.0	196.8	0.734	0.442	4.63	5.02	2.30	1.16	9.82	72.64	14.08	G
2	25	90	56	10.6	7.06	8.4	50.3	174.4	0.794	0.494	4.41	4.49	2.78	1.62	8.56	67.40	19.64	G
2	25	90	56	13.6	6.73	36.2	173.4	183.0	0.716	0.495	4.32	4.83	1.93	1.09	9.72	59.99	27.26	G
2	25	90	56	16.6	6.56	36.2	170.8	195.2	0.743	0.662	4.45	4.83	5.02	1.34	5.21	60.64	27.78	G
2	25	90	56	19.6	6.95	16.9	336.9	195.2	0.886	0.917	4.79	4.49	0.96	0.72	5.75	82.93	9.64	G
2	25	90	56	22.6	7.00	17.1	9.5	186.7	0.865	0.68	4.85	5.45	1.19	0.58	7.24	79.71	11.28	G

Mon	Day	Yr	JDAY	Time (est)	Depth (m)	MC_SPD (degT)	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	90	57	1.6	6.74	23.9	155.2	186.9	0.763	0.58	4.49	4.83	2.09	1.00	3.51	73.91	19.49	G
2	26	90	57	4.6	6.61	22.1	182.8	190.3	0.801	0.543	4.20	4.34	2.81	0.91	3.32	60.71	32.25	G
2	26	90	57	7.6	7.02	40.6	340.9	200.1	0.781	0.413	4.53	4.83	1.89	1.27	2.29	75.93	18.62	G
2	26	90	57	10.6	7.11	30.1	357.1	184.9	0.8	0.259	4.41	4.65	2.60	0.70	2.67	80.46	13.58	G
2	26	90	57	13.6	6.85	7.7	137.1	188.4	0.733	0.146	3.98	4.20	4.29	3.23	3.84	51.12	37.52	G
2	26	90	57	16.6	6.64	5.5	269.9	126.3	0.646	0.05	3.52	3.41	5.16	2.76	4.52	19.66	67.90	G
2	26	90	57	19.6	7.04	41.9	332.4	2.5	0.668	0.057	5.39	5.95	4.51	7.92	20.67	42.95	23.95	G
2	26	90	57	22.6	7.18	22.5	338.7	165.8	0.798	0.037	5.02	4.20	10.81	21.28	12.61	29.17	26.14	G
2	27	90	58	1.6	7.01	5.9	22.7	24.7	0.678	0.035	6.10	12.19	25.63	17.74	18.26	19.18	19.20	G
2	27	90	58	4.6	6.75	6.9	207.5	35.9	0.633	0.043	3.53	3.41	6.92	3.67	2.62	8.64	78.16	G
2	27	90	58	7.6	7.06	23.9	316.8	350.6	0.618	0.087	4.05	2.94	5.69	13.02	21.84	8.89	50.56	G
2	27	90	58	10.6	7.24	10.5	313.2	63.6	0.918	0.057	3.48	2.94	4.60	12.87	5.75	10.39	66.40	G
2	27	90	58	13.6	6.98	4.1	348.9	355.2	0.61	0.12	3.56	3.24	8.75	5.20	2.37	6.92	76.76	G
2	27	90	58	16.6	6.67	26.2	177.8	41.6	0.678	0.119	3.98	4.06	7.75	1.65	1.69	51.96	36.95	S
2	27	90	58	19.6	7.00	6.7	294.5	63.1	0.883	0.087	5.02	3.51	6.47	24.27	21.51	9.51	38.24	S
2	27	90	58	22.6	7.27	10.0	316.8	65.6	0.857	0.067	5.42	11.13	7.46	30.02	8.14	27.68	26.71	G
2	28	90	59	1.6	7.11	2.7	290.4	34.1	0.654	0.052	7.21	12.19	35.03	27.43	5.11	12.78	19.66	G
2	28	90	59	4.6	6.76	12.0	178.3	19.8	0.659	0.022	5.04	4.65	30.69	4.75	3.77	28.29	32.49	G
2	28	90	59	7.6	6.84	6.3	294.7	43.8	0.585	0.02	6.78	10.24	25.82	40.27	2.20	8.35	23.36	G
2	28	90	59	10.6	7.20	35.3	342.7	48.6	0.643	0.05	7.82	10.24	9.73	48.19	11.04	22.29	8.76	G
2	28	90	59	13.6	7.05	14.8	40.3	3.5	0.568	0.046	5.89	15.06	28.92	18.52	5.76	22.04	24.76	G
2	28	90	59	16.6	6.71	14.2	178.2	160.1	0.827	0.023	3.61	2.49	13.23	4.08	2.53	20.86	59.30	G
2	28	90	59	19.6	6.81	5.9	284.0	57.8	0.763	0.032	8.46	10.24	8.02	74.10	4.02	3.45	10.42	G
2	28	90	59	22.6	7.20	32.7	344.6	58.2	0.831	0.046	6.56	9.48	8.92	37.12	7.71	23.82	22.43	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
3	1	90	60	1.6	7.17	11.1	335.9	128.0	0.657	0.064	4.30	11.13	17.62	17.87	2.60	8.41	53.50	G
3	1	90	60	4.6	6.86	11.2	187.6	174.3	0.708	0.184	3.54	3.71	2.41	1.49	0.51	14.97	80.61	G
3	1	90	60	7.6	6.85	13.1	196.1	172.9	0.685	0.215	3.67	3.71	2.57	0.59	0.38	25.94	70.52	S
3	1	90	60	10.6	7.21	35.8	339.5	188.7	0.693	0.204	4.05	4.20	2.48	6.38	1.90	58.52	30.72	G
3	1	90	60	13.6	7.13	15.1	336.8	161.1	0.637	0.106	4.32	3.94	14.68	13.50	4.41	24.36	43.04	G
3	1	90	60	16.6	6.79	29.6	172.0	208.7	0.559	0.048	4.10	12.19	21.76	8.93	6.39	19.11	43.81	G
3	1	90	60	19.6	6.71	12.3	193.4	346.8	0.655	0.031	5.25	4.34	9.67	21.16	3.89	43.32	21.96	G
3	1	90	60	22.6	7.05	55.0	346.8	357.6	0.783	0.110	3.49	3.16	3.67	12.21	5.17	7.92	71.04	G
3	2	90	61	1.6	7.05	27.4	351.7	353.7	0.844	0.124	3.41	3.32	3.12	6.60	1.23	5.82	83.23	S
3	2	90	61	4.6	6.84	15.8	157.5	329.6	0.822	0.144	3.67	3.61	6.95	4.32	2.03	16.91	69.79	G
3	2	90	61	7.6	6.67	17.6	180.5	8.3	0.598	0.107	4.05	3.82	8.99	5.73	1.78	35.37	48.12	G
3	2	90	61	10.6	6.88	10.9	302.1	307.3	0.653	0.091	4.57	10.24	5.62	28.51	4.11	20.48	41.27	S
3	2	90	61	13.6	6.98	12.0	318.4	50.2	0.611	0.075	5.72	11.13	13.88	28.09	8.57	19.39	30.07	S
3	2	90	61	16.6	6.69	25.8	206.1	353.2	0.890	0.038	6.02	12.19	23.22	12.87	12.19	27.24	24.48	G
3	2	90	61	19.6	6.55	10.2	193.0	0.8	0.636	0.024	4.18	3.01	23.44	12.19	4.47	10.83	49.07	S
3	2	90	61	22.6	6.78	8.4	305.4	346.3	0.799	0.066	5.99	10.24	5.74	53.49	10.79	4.81	25.18	G
3	3	90	62	1.6	6.98	30.6	348.4	16.4	0.650	0.054	6.02	12.19	20.60	20.25	10.66	25.65	22.84	G
3	3	90	62	4.6	6.79	8.2	34.6	343.4	0.663	0.053	6.74	13.47	24.55	11.33	18.20	35.21	10.71	G
3	3	90	62	7.6	6.55	21.9	171.7	221.7	0.590	0.073	5.82	4.49	5.31	2.58	11.10	78.41	2.60	G
3	3	90	62	10.6	6.63	4.9	266.0	337.3	0.664	0.068	6.61	4.83	9.13	24.21	15.34	43.65	7.67	G
3	3	90	62	13.6	6.83	33.1	329.7	183.9	0.705	0.157	4.11	3.71	3.93	7.56	16.43	17.68	54.39	G
3	3	90	62	16.6	6.69	8.5	306.6	173.3	0.778	0.091	4.39	3.24	10.25	22.34	10.83	12.26	44.32	G
3	3	90	62	19.6	6.54	17.9	171.1	29.9	0.583	0.041	6.06	10.24	11.23	28.19	14.44	18.87	27.26	G
3	3	90	62	22.6	6.73	4.6	250.5	340.0	0.733	0.083	6.10	4.49	4.36	30.10	19.54	41.35	4.65	G
3	4	90	63	1.6	7.08	40.5	354.2	359.4	0.635	0.101	5.48	9.48	5.64	33.86	11.50	23.91	25.09	G
3	4	90	63	4.6	7.18	4.4	73.3	192.5	0.881	0.990	5.04	5.45	1.25	0.76	6.65	80.73	10.61	G
3	4	90	63	7.6	6.93	38.3	170.0	195.4	0.798	0.695	4.57	4.83	0.82	0.44	4.80	75.50	18.44	G
3	4	90	63	10.6	6.84	19.4	193.4	207.0	0.799	0.592	4.43	4.65	2.07	0.99	2.17	72.14	22.63	G
3	4	90	63	13.6	7.01	36.6	333.5	197.1	0.823	0.269	4.28	4.34	2.70	4.30	2.06	70.85	20.09	G
3	4	90	63	16.6	6.96	20.3	337.3	180.7	0.907	0.139	4.38	4.06	7.22	18.01	6.74	32.92	35.10	G
3	4	90	63	19.6	6.81	9.2	144.0	317.5	0.636	0.070	4.65	3.61	12.50	19.11	6.12	12.08	50.19	G
3	4	90	63	22.6	6.78	7.0	194.5	61.7	0.720	0.048	4.95	8.83	9.38	36.11	9.57	12.60	32.34	G
3	5	90	64	1.6	7.09	33.1	337.0	0.2	0.674	0.070	7.37	7.76	5.92	29.93	34.77	22.40	6.97	G
3	5	90	64	4.6	7.15	10.0	313.9	51.2	0.699	0.079	5.66	9.48	7.04	36.10	10.25	19.97	26.64	G
3	5	90	64	7.6	7.06	9.2	155.4	339.2	0.772	0.063	5.20	10.24	8.22	41.77	8.38	10.85	30.78	G
3	5	90	64	10.6	6.93	18.4	179.8	19.3	0.575	0.047	5.79	8.83	13.20	32.67	7.53	23.97	22.63	G
3	5	90	64	13.6	7.05	5.0	268.4	64.9	0.765	0.064	7.42	8.26	15.61	27.82	33.38	13.27	9.92	S
3	5	90	64	16.6	7.13	28.9	331.5	0.9	0.682	0.092	5.57	9.48	10.09	22.38	23.18	15.99	28.36	G
3	5	90	64	19.6	7.02	6.6	290.7	328.2	0.790	0.085	4.08	8.83	9.46	23.52	10.24	12.76	44.01	S
3	5	90	64	22.6	6.88	24.6	178.2	219.3	0.557	0.060	4.43	3.82	14.54	8.79	6.84	22.39	47.44	G

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3	6	90	65	1.6	7.09	6.9	297.9	57.2	0.702	0.058	6.87	6.24	16.15	21.25	39.42	18.00	5.18	S
3	6	90	65	4.6	7.24	22.4	340.6	32.8	0.711	0.080	5.82	6.92	8.16	12.88	34.18	20.31	24.47	S
3	6	90	65	7.6	7.17	8.9	9.8	41.6	0.710	0.066	6.65	8.26	11.37	36.91	18.57	23.20	9.95	G
3	6	90	65	10.6	6.93	23.1	169.5	347.5	0.755	0.035	6.83	4.83	18.18	15.57	14.31	41.48	10.46	G
3	6	90	65	13.6	6.95	8.1	194.8	46.8	0.746	0.039	6.83	7.76	16.20	12.41	32.14	28.82	10.43	S
3	6	90	65	16.6	7.19	6.8	286.9	189.7	0.850	0.277	3.98	4.06	3.73	1.48	2.55	57.35	34.88	G
3	6	90	65	19.6	7.28	8.5	213.3	197.2	0.845	0.839	4.57	4.83	1.39	0.81	1.88	85.79	10.14	G
3	6	90	65	22.6	7.07	25.4	176.4	197.5	0.747	0.662	4.36	4.49	2.86	0.68	1.48	79.13	15.85	S
3	7	90	66	1.6	7.13	13.6	201.9	186.2	0.668	0.745	4.34	4.20	2.50	1.18	3.46	81.84	11.02	G
3	7	90	66	4.6	7.45	29.4	335.0	170.4	0.673	0.995	5.09	5.22	0.83	0.54	3.36	87.24	8.02	G
3	7	90	66	7.6	7.46	18.9	346.0	171.3	0.754	0.791	5.04	5.22	1.05	0.89	2.54	89.56	5.96	S
3	7	90	66	10.6	7.21	16.1	177.7	159.5	0.725	0.564	4.79	4.83	1.20	2.12	1.75	81.67	13.26	S
3	7	90	66	13.6	7.06	29.9	183.2	144.4	0.714	0.174	3.91	3.94	4.14	2.50	5.85	26.56	60.95	S
3	7	90	66	16.6	7.29	27.0	331.4	146.8	0.693	0.144	4.34	3.71	5.49	11.02	12.06	31.51	39.92	S
3	7	90	66	19.6	7.33	19.7	337.8	331.7	0.862	0.115	5.36	8.83	9.44	18.57	17.41	26.56	28.03	S
3	7	90	66	22.6	7.10	15.8	160.3	337.0	0.680	0.094	5.48	10.24	12.02	24.65	12.87	21.33	29.13	G
3	8	90	67	1.6	7.00	22.1	182.0	32.3	0.628	0.060	6.17	10.24	11.94	36.82	22.37	11.78	17.09	S
3	8	90	67	4.6	7.29	22.3	326.7	343.4	0.714	0.127	6.65	7.76	6.00	18.50	39.46	32.01	4.02	G
3	8	90	67	7.6	7.40	32.6	351.4	147.0	0.910	0.101	6.83	11.13	14.65	21.31	21.44	32.01	10.58	S
3	8	90	67	10.6	7.19	6.5	155.5	323.6	0.861	0.112	6.40	5.02	12.56	10.29	13.12	59.24	4.78	G
3	8	90	67	14.5	6.91	20.2	151.4	37.2	0.865	0.045	7.70	10.24	16.08	38.84	15.36	21.03	8.68	G
3	8	90	67	17.5	7.16	18.0	26.9	8.5	0.779	0.107	7.37	6.56	10.94	27.75	30.35	27.62	3.34	G
3	8	90	67	20.5	7.19	35.7	15.0	21.2	0.776	0.121	5.17	5.22	11.03	14.32	12.50	40.39	21.75	G
3	8	90	67	23.5	6.88	24.1	143.9	340.4	0.701	0.108	5.82	23.27	43.84	9.04	4.12	5.40	37.60	G
3	9	90	68	2.5	6.76	20.3	147.9	359.6	0.803	0.134	3.97	4.34	5.93	7.08	2.75	44.35	39.88	G
3	9	90	68	5.5	7.08	25.2	5.8	17.2	0.751	0.141	4.51	3.41	11.77	11.72	13.86	15.83	46.82	G
3	9	90	68	8.5	7.16	20.6	12.9	21.3	0.813	0.105	5.45	8.83	17.47	28.21	6.52	18.68	29.12	G
3	9	90	68	11.5	6.93	12.8	137.1	22.7	0.704	0.068	6.17	15.06	39.22	7.61	6.26	14.87	32.04	G
3	9	90	68	14.5	6.67	19.1	141.5	20.5	0.701	0.037	5.51	3.82	27.78	8.80	5.01	28.16	30.25	G
3	9	90	68	17.5	6.91	6.8	49.0	359.5	0.662	0.047	7.26	11.13	18.40	42.12	14.79	15.09	9.60	G
3	9	90	68	20.5	7.12	23.2	358.5	34.0	0.653	0.066	6.17	12.19	21.80	12.38	12.70	38.54	14.58	G
3	9	90	68	23.5	6.89	10.1	59.6	235.7	0.590	0.042	8.13	13.47	46.17	14.90	5.98	21.90	11.05	G
3	10	90	69	2.5	6.69	21.0	147.1	28.0	0.683	0.029	6.83	3.94	44.31	6.46	2.37	23.99	22.87	G
3	10	90	69	5.5	6.94	6.3	51.9	349.5	0.678	0.044	9.23	9.48	22.25	58.44	9.81	5.33	4.17	G
3	10	90	69	8.5	7.19	44.8	12.0	3.0	0.686	0.057	6.48	12.19	19.40	14.49	15.61	41.79	8.71	G
3	10	90	69	11.5	7.01	16.4	48.1	20.1	0.683	0.051	7.06	5.22	25.20	13.09	17.16	39.00	5.55	G
3	10	90	69	14.5	6.72	35.8	146.4	140.6	0.803	0.025	8.26	12.19	43.31	16.62	6.36	26.66	7.05	S
3	10	90	69	17.5	6.92	6.8	99.4	341.9	0.854	0.045	7.37	11.13	15.19	37.03	12.00	30.22	5.56	G
3	10	90	69	20.5	7.22	41.8	10.2	9.9	0.738	0.058	5.07	12.19	23.07	17.42	9.38	18.27	31.85	G
3	10	90	69	23.5	7.07	10.5	37.4	299.3	0.748	0.045	8.46	12.19	45.17	23.86	5.42	10.91	14.64	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
3	11	90	70	2.5	6.78	19.9	141.0	343.6	0.694	0.024	7.16	13.47	44.27	10.94	9.70	14.55	20.53	G
3	11	90	70	5.5	6.91	5.8	58.9	355.9	0.663	0.041	7.06	12.19	21.55	32.39	16.21	7.18	22.67	G
3	11	90	70	8.5	7.24	35.9	347.8	34.1	0.808	0.057	5.28	12.19	17.58	17.14	19.26	20.47	25.55	G
3	11	90	70	11.5	7.13	24.6	42.9	31.9	0.604	0.054	6.65	13.47	22.78	16.76	19.51	21.55	19.40	G
3	11	90	70	14.5	6.81	17.0	140.9	16.5	0.699	0.031	6.28	13.47	33.55	8.83	10.94	21.72	24.96	G
3	11	90	70	17.5	6.86	11.8	137.1	149.0	0.628	0.026	8.33	12.19	32.90	23.86	20.75	10.93	11.55	G
3	11	90	70	20.5	7.25	29.6	355.4	336.3	0.759	0.079	6.13	5.02	7.23	21.04	15.90	48.41	7.42	G
3	11	90	70	23.5	7.14	9.9	22.5	140.1	0.861	0.064	6.40	5.95	15.19	11.72	14.90	44.04	14.14	G
3	12	90	71	2.5	6.81	14.8	134.3	37.3	0.791	0.029	7.31	13.47	31.40	14.26	12.39	30.64	11.31	G
3	12	90	71	5.5	6.80	11.6	139.4	141.3	0.823	0.022	9.06	11.13	25.13	42.61	10.58	14.02	7.67	G
3	12	90	71	8.5	7.14	13.0	17.3	349.0	0.656	0.060	6.65	6.24	11.29	19.56	25.05	34.69	9.41	G
3	12	90	71	11.5	7.09	10.5	34.4	318.9	0.696	0.056	6.78	6.56	14.09	18.74	26.93	25.56	14.68	G
3	12	90	71	14.5	6.73	17.5	138.7	28.3	0.773	0.038	6.92	5.95	14.59	12.26	30.87	35.28	7.00	G
3	12	90	71	17.5	6.71	21.2	154.0	350.3	0.684	0.048	5.39	5.22	11.77	6.08	2.21	63.51	16.42	G
3	12	90	71	20.5	7.08	20.1	2.0	21.7	0.674	0.065	5.95	5.69	8.48	16.06	19.70	40.68	15.08	G
3	12	90	71	23.5	7.09	24.2	14.9	359.9	0.838	0.047	6.10	4.83	18.77	16.19	14.67	34.01	16.36	G
3	13	90	72	2.5	6.82	12.9	146.1	346.7	0.742	0.037	5.92	12.19	25.37	15.18	7.44	28.61	23.40	G
3	13	90	72	5.5	6.73	22.5	151.5	151.7	0.737	0.025	7.88	10.24	28.39	17.45	10.41	18.11	25.65	G
3	13	90	72	8.5	7.04	9.9	22.4	347.6	0.809	0.053	6.65	6.92	10.94	16.47	29.34	38.52	4.72	G
3	13	90	72	11.5	7.10	17.3	6.5	351.4	0.712	0.059	5.51	4.83	11.81	14.92	13.38	44.26	15.64	G
3	13	90	72	14.5	6.79	13.0	153.4	345.7	0.898	0.042	5.82	4.06	13.66	8.09	20.98	39.81	17.46	G
3	13	90	72	17.5	6.71	17.7	148.5	169.0	0.710	0.022	6.17	11.13	29.84	16.47	6.78	21.56	25.35	G
3	13	90	72	20.5	7.07	22.3	354.1	335.4	0.769	0.054	5.95	5.02	6.90	16.00	20.78	41.04	15.28	G
3	13	90	72	23.5	7.13	42.8	20.9	164.6	0.757	0.043	5.02	4.65	14.68	9.39	15.86	33.65	26.43	G
3	14	90	73	2.5	6.88	8.1	113.6	355.1	0.845	0.050	5.72	4.49	21.82	8.96	8.15	51.91	9.17	G
3	14	90	73	5.5	6.72	28.3	148.3	349.5	0.577	0.039	5.31	4.49	13.68	4.02	2.00	69.32	10.98	S
3	14	90	73	8.5	6.97	7.4	70.7	352.4	0.765	0.041	7.76	11.13	23.91	27.35	23.03	20.42	5.30	G
3	14	90	73	11.5	7.11	25.3	352.7	21.0	0.610	0.047	5.17	4.06	24.23	11.01	7.21	44.31	13.24	G
3	14	90	73	14.5	6.85	6.9	88.2	352.8	0.780	0.035	6.97	13.47	25.76	19.55	10.34	30.79	13.55	G
3	14	90	73	17.5	6.71	20.7	142.4	340.5	0.710	0.027	5.54	6.24	20.11	13.15	16.21	26.53	24.00	G
3	14	90	73	20.5	7.03	15.6	14.7	28.3	0.784	0.054	5.89	10.24	6.94	31.88	16.63	29.32	15.23	G
3	14	90	73	23.5	7.18	36.8	12.7	194.1	0.737	0.042	4.49	3.24	37.39	7.84	4.85	11.69	38.23	G
3	15	90	74	2.5	7.01	13.6	57.8	250.6	0.690	0.073	5.22	5.22	7.73	8.82	2.47	58.50	22.47	G
3	15	90	74	5.5	6.82	19.0	145.4	323.3	0.817	0.028	7.31	4.34	49.60	7.94	3.37	22.18	16.90	G
3	15	90	74	8.5	7.00	7.8	88.7	332.7	0.714	0.039	7.47	8.83	12.13	40.99	15.27	20.07	11.53	G
3	15	90	74	11.5	7.21	16.3	352.8	357.9	0.691	0.057	4.88	3.82	10.76	19.53	9.54	19.15	41.02	G
3	15	90	74	14.5	7.02	8.2	17.2	344.5	0.790	0.043	5.92	5.22	15.63	25.50	7.69	30.21	20.96	G
3	15	90	74	17.5	6.83	33.6	145.3	347.1	0.592	0.041	3.70	3.32	14.04	10.12	1.97	14.06	59.81	G
3	15	90	74	20.5	7.03	11.5	101.6	337.3	0.715	0.083	3.68	3.32	7.49	8.02	9.57	8.40	66.51	G
3	15	90	74	23.5	7.24	40.9	354.6	24.0	0.618	0.064	3.44	3.24	6.36	9.05	8.30	7.34	68.95	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	90	75	2.5	7.10	20.6	44.3	292.6	0.599	0.065	4.20	8.83	9.34	21.16	5.93	20.94	42.62	G
3	16	90	75	5.5	6.85	33.5	151.7	342.1	0.693	0.038	4.76	3.94	13.99	17.40	3.85	29.46	35.30	G
3	16	90	75	8.5	6.89	19.5	145.6	347.3	0.701	0.051	4.79	4.49	15.33	15.57	4.59	39.61	24.90	G
3	16	90	75	11.5	7.10	22.7	8.2	356.6	0.800	0.067	5.48	4.49	5.62	16.34	17.67	42.51	17.87	G
3	16	90	75	14.5	6.98	15.5	6.1	319.1	0.800	0.075	4.47	4.65	12.13	9.84	5.58	38.62	33.84	G
3	16	90	75	17.5	6.76	28.1	146.6	347.1	0.618	0.067	3.78	3.24	7.90	3.38	5.08	26.33	57.30	G
3	16	90	75	20.5	6.86	10.2	115.5	339.2	0.804	0.142	3.82	3.94	4.05	2.81	3.07	38.14	51.92	G
3	16	90	75	23.5	7.08	38.7	354.1	19.2	0.672	0.107	3.72	3.71	2.22	2.92	5.58	28.35	60.93	G
3	17	90	76	2.5	7.02	29.3	25.0	9.9	0.722	0.105	3.95	5.45	3.78	4.28	8.33	44.30	39.31	G
3	17	90	76	5.5	6.79	31.5	185.1	357.7	0.702	0.158	3.98	3.94	9.45	3.15	5.00	34.68	47.72	G
3	17	90	76	8.5	6.74	25.4	144.1	345.3	0.783	0.251	4.08	4.06	3.30	1.73	2.83	70.48	21.66	S
3	17	90	76	11.5	6.92	19.6	12.4	350.7	0.772	0.379	4.23	4.34	1.83	0.69	2.56	76.13	18.79	S
3	17	90	76	14.5	6.89	18.7	336.2	324.4	0.819	0.271	4.11	4.34	3.51	3.34	4.11	58.59	30.46	G
3	17	90	76	17.5	6.73	13.8	180.2	342.0	0.798	0.423	4.47	4.49	1.24	0.62	0.81	84.13	13.20	G
3	17	90	76	20.5	6.72	30.4	156.6	347.6	0.802	0.324	4.65	4.83	1.39	1.07	1.99	82.00	13.55	G
3	17	90	76	23.5	6.98	16.9	113.4	344.6	0.842	0.226	4.57	4.20	8.35	2.92	7.74	58.07	22.92	G
3	18	90	77	2.5	7.15	21.5	359.0	205.9	0.718	0.181	3.84	3.51	6.21	5.39	7.15	25.47	55.78	G
3	18	90	77	5.5	6.81	29.5	124.5	207.0	0.743	0.115	3.85	3.82	6.87	7.65	3.07	14.89	67.53	G
3	18	90	77	8.5	6.75	22.7	140.2	214.6	0.591	0.052	3.89	3.16	8.62	17.57	10.12	7.00	56.68	G
3	18	90	77	11.5	6.89	24.3	29.5	340.5	0.647	0.074	6.92	8.83	11.69	30.04	22.80	24.97	10.51	G
3	18	90	77	14.5	6.98	32.4	28.9	49.9	0.553	0.076	6.36	7.31	9.82	18.32	30.32	28.34	13.20	G
3	18	90	77	17.5	6.83	11.5	78.2	358.5	0.650	0.051	7.70	11.13	16.19	39.21	22.46	14.21	7.93	G
3	18	90	77	20.5	6.76	26.6	144.7	345.9	0.663	0.036	7.82	9.48	12.57	35.17	19.93	23.16	9.17	G
3	18	90	77	23.5	6.95	10.9	45.5	353.5	0.766	0.061	6.97	7.76	12.96	17.99	27.81	22.48	18.75	G
3	19	90	78	2.5	7.16	30.1	1.5	15.0	0.646	0.067	6.17	7.76	7.69	28.19	34.56	14.50	15.06	G
3	19	90	78	5.5	7.02	19.7	64.9	206.8	0.824	0.254	3.98	4.06	3.35	2.71	2.45	53.06	38.44	G
3	19	90	78	8.5	6.85	29.8	151.5	219.7	0.734	0.193	3.66	3.61	2.78	0.90	1.53	11.95	82.84	S
3	19	90	78	11.5	6.90	8.3	50.1	213.8	0.713	0.099	3.70	3.32	4.53	4.29	11.04	18.65	61.49	G
3	19	90	78	14.5	7.00	38.4	5.6	2.8	0.655	0.145	3.89	3.51	3.50	4.11	12.20	14.87	65.32	G
3	19	90	78	17.5	6.94	20.4	36.7	0.1	0.691	0.126	3.92	7.76	4.41	11.33	17.39	13.07	53.80	G
3	19	90	78	20.5	6.86	22.1	125.2	325.4	0.801	0.114	3.76	3.82	3.90	6.67	4.06	16.02	69.34	G
3	19	90	78	23.5	6.96	25.0	126.9	344.6	0.711	0.087	3.84	3.61	6.80	7.45	14.65	16.40	54.70	G
3	20	90	79	2.5	7.33	5.8	134.3	196.6	0.868	0.509	4.30	4.49	4.35	0.95	1.87	76.74	16.09	G
3	20	90	79	5.5	7.23	14.5	136.8	205.9	0.808	0.742	4.63	5.22	1.54	0.71	8.08	75.87	13.81	G
3	20	90	79	8.5	6.94	38.9	151.5	198.1	0.769	0.444	4.21	4.49	3.38	0.92	4.52	61.19	29.99	G
3	20	90	79	11.5	6.93	33.7	153.4	189.3	0.708	0.514	4.15	4.83	2.76	0.67	1.67	67.26	27.64	G
3	20	90	79	14.5	6.98	10.8	20.2	198.1	0.922	0.551	4.55	4.65	1.48	0.80	2.63	81.69	13.40	G
3	20	90	79	17.5	6.94	13.7	9.6	196.1	0.921	0.550	4.51	4.83	1.76	0.74	3.41	80.32	13.77	G
3	20	90	79	20.5	6.80	18.1	163.2	212.3	0.820	0.352	4.06	4.20	3.63	0.83	1.95	57.80	35.79	S
3	20	90	79	23.5	6.73	12.1	150.0	214.8	0.832	0.317	4.02	4.20	4.36	0.90	2.60	51.44	40.71	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
3	21	90	80	2.5	6.91	35.9	355.2	204.1	0.823	0.319	4.39	4.83	3.24	1.37	3.69	77.38	14.32	S
3	21	90	80	5.5	6.95	29.5	2.7	212.3	0.906	0.297	4.74	5.45	1.44	1.06	7.30	75.06	15.13	S
3	21	90	80	8.5	6.84	13.5	102.8	201.9	0.788	0.421	4.39	4.49	1.70	1.01	4.12	79.43	13.74	S
3	21	90	80	11.5	6.74	29.7	136.7	215.1	0.831	0.312	4.34	4.65	3.24	0.83	3.16	68.75	24.02	S
3	21	90	80	14.5	6.87	20.1	8.2	206.0	0.799	0.163	4.30	4.65	3.47	3.08	3.13	71.29	19.04	G
3	21	90	80	17.5	6.93	39.1	21.7	208.9	0.833	0.070	4.27	4.34	11.09	8.29	3.97	39.83	36.81	G
3	21	90	80	20.5	6.86	23.7	49.4	33.4	0.873	0.043	5.04	3.94	16.22	18.30	10.06	15.96	39.46	G
3	21	90	80	23.5	6.77	20.6	134.4	34.7	0.884	0.027	5.99	15.06	31.19	18.15	8.75	11.17	30.74	G
3	22	90	81	2.5	7.00	17.6	21.3	38.6	0.899	0.071	5.39	5.95	9.58	5.78	5.31	60.76	18.58	G
3	22	90	81	5.5	7.13	27.9	354.6	39.2	0.844	0.025	6.24	8.83	22.68	19.84	14.99	23.10	19.38	G
3	22	90	81	8.5	7.02	13.1	93.0	39.3	0.907	0.033	6.44	15.06	34.47	17.86	10.68	15.98	21.01	G
3	22	90	81	11.5	6.80	33.4	141.6	43.0	0.856	0.037	3.88	3.32	11.29	11.01	4.02	6.73	66.95	S
3	22	90	81	14.5	6.87	16.7	125.1	20.7	0.574	0.209	3.79	3.82	4.05	2.09	3.66	20.41	69.80	S
3	22	90	81	17.5	7.03	43.9	356.8	32.2	0.649	0.347	3.98	3.94	2.72	1.36	1.73	56.52	37.68	S
3	22	90	81	20.5	6.94	18.7	44.6	40.1	0.900	0.163	3.75	3.71	2.70	2.15	1.20	25.85	68.10	S
3	22	90	81	23.5	6.74	23.6	155.9	26.8	0.736	0.209	4.05	4.20	4.16	1.56	1.75	68.16	24.38	S
3	23	90	82	2.5	6.87	5.2	210.8	24.6	0.781	0.215	4.08	4.06	3.42	1.50	1.54	66.16	27.38	S
3	23	90	82	5.5	7.15	41.9	345.6	43.6	0.929	0.123	3.74	3.82	2.52	2.48	3.67	26.36	64.97	S
3	23	90	82	8.5	7.08	18.5	37.4	41.8	0.921	0.093	3.86	8.83	5.93	14.45	3.92	24.35	51.35	S
3	23	90	82	11.5	6.80	39.2	148.8	36.2	0.736	0.050	4.79	5.45	11.29	4.63	6.75	52.28	25.05	S
3	23	90	82	14.5	6.80	37.2	151.4	33.7	0.814	0.042	4.79	5.22	12.72	3.45	3.41	52.49	27.92	S
3	23	90	82	17.5	7.07	22.9	15.8	62.5	0.658	0.067	5.95	4.34	9.41	11.87	18.73	42.38	17.62	G
3	23	90	82	20.5	7.09	21.1	357.5	53.1	0.867	0.061	5.72	8.83	15.99	17.52	16.72	30.60	19.17	S
3	23	90	82	23.5	6.87	48.2	158.4	194.7	0.794	0.696	4.15	4.65	3.08	0.93	1.43	73.54	21.02	G
3	24	90	83	2.5	6.94	24.3	154.5	205.2	0.845	0.606	4.15	4.06	3.41	0.98	1.34	73.76	20.50	G
3	24	90	83	5.5	7.25	42.6	359.3	202.4	0.828	0.529	4.51	4.49	2.90	0.72	1.43	85.26	9.69	G
3	24	90	83	8.5	7.24	35.6	17.5	220.0	0.820	0.226	4.23	4.65	2.64	2.66	2.59	70.95	21.15	S
3	24	90	83	11.5	7.00	20.2	120.3	213.9	0.806	0.358	4.13	4.20	3.10	2.92	5.91	67.92	20.15	S
3	24	90	83	14.5	6.93	35.8	158.5	199.1	0.713	0.176	3.76	3.82	4.81	2.28	16.07	19.07	57.78	S
3	24	90	83	17.5	7.27	34.6	353.8	217.9	0.855	0.354	4.28	4.49	4.51	1.54	9.28	69.41	15.26	S
3	24	90	83	20.5	7.31	37.2	21.8	192.6	0.834	0.284	4.27	4.34	2.22	3.73	7.83	70.20	16.02	S
3	24	90	83	23.5	7.08	26.2	129.8	190.5	0.700	0.211	4.30	4.34	4.50	4.62	7.57	54.22	29.08	G
3	25	90	84	2.5	6.95	38.4	159.0	187.6	0.668	0.114	3.61	3.41	3.68	4.39	8.76	9.81	73.37	S
3	25	90	84	5.5	7.28	22.6	12.5	357.5	0.777	0.108	5.54	6.24	8.30	3.20	45.57	26.77	16.15	G
3	25	90	84	8.5	7.41	38.0	12.8	34.2	0.849	0.116	4.30	7.31	3.91	6.70	27.37	22.44	39.58	S
3	25	90	84	11.5	7.11	24.7	127.2	170.6	0.697	0.106	3.63	3.51	3.04	4.26	5.24	11.97	75.49	G
3	25	90	84	14.5	6.88	40.6	156.5	336.1	0.652	0.048	3.76	2.94	28.62	1.47	7.03	7.16	55.73	G
3	25	90	84	17.5	7.15	11.0	15.5	354.5	0.867	0.069	6.56	8.26	2.80	24.55	35.74	31.30	5.61	G
3	25	90	84	20.5	7.34	25.3	6.2	351.9	0.717	0.092	5.57	5.45	3.57	10.21	18.85	49.87	17.50	G
3	25	90	84	23.5	7.05	10.8	99.9	334.4	0.833	0.056	6.32	6.92	7.62	26.94	22.63	30.72	12.08	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
3	26	90	85	2.5	6.76	25.2	150.6	346.0	0.766	0.028	5.92	4.65	17.21	6.49	9.01	53.74	13.55	G
3	26	90	85	5.5	7.01	5.8	51.2	350.6	0.735	0.043	6.61	7.31	7.33	15.67	47.73	15.81	13.45	G
3	26	90	85	8.5	7.28	41.0	8.2	185.7	0.776	0.107	4.55	5.95	4.08	4.85	13.44	46.27	31.36	G
3	26	90	85	11.5	7.08	13.4	89.1	188.0	0.805	0.094	3.71	3.32	5.38	8.27	3.33	12.07	70.96	G
3	26	90	85	14.5	6.72	16.0	138.7	200.9	0.652	0.087	3.40	3.51	2.83	0.96	0.51	6.73	88.97	G
3	26	90	85	17.5	6.95	6.2	43.9	189.5	0.756	0.053	4.70	8.26	7.30	16.27	31.32	7.75	37.36	G
3	26	90	85	20.5	7.27	39.9	9.6	176.4	0.766	0.044	5.63	7.31	8.63	15.41	32.96	18.09	24.92	G
3	26	90	85	23.5	7.10	8.3	35.4	286.0	0.699	0.041	7.21	9.48	15.57	34.69	19.52	17.04	13.18	G
3	27	90	86	2.5	6.80	43.1	153.3	168.8	0.733	0.072	3.31	3.41	9.30	2.25	2.12	14.00	72.33	G
3	27	90	86	5.5	6.91	13.7	149.0	198.8	0.810	0.301	3.76	4.20	2.71	0.73	0.87	50.82	44.87	G
3	27	90	86	8.5	7.35	51.5	358.5	194.0	0.779	0.250	4.18	4.49	3.82	2.17	2.92	69.76	21.34	G
3	27	90	86	11.5	7.21	21.4	33.9	192.7	0.781	0.185	4.28	4.20	11.15	4.03	4.17	53.39	27.25	G
3	27	90	86	14.5	6.84	43.1	157.5	178.7	0.694	0.082	3.45	3.32	6.34	1.25	3.04	9.87	79.50	S
3	27	90	86	17.5	6.89	13.5	141.2	204.2	0.646	0.090	3.49	4.49	3.39	1.40	2.79	43.42	49.01	G
3	27	90	86	20.5	7.34	51.4	6.3	187.3	0.768	0.088	4.28	5.69	5.27	6.32	6.60	37.75	44.06	S
3	27	90	86	23.5	7.25	29.9	17.8	24.1	0.693	0.053	4.51	5.69	16.13	8.15	10.46	31.27	34.00	G
3	28	90	87	2.5	6.92	35.0	148.3	344.4	0.653	0.052	4.06	4.34	8.42	6.73	7.93	45.66	31.25	G
3	28	90	87	5.5	6.82	19.5	152.0	346.0	0.794	0.058	4.15	4.83	5.79	2.39	1.26	70.61	19.95	G
3	28	90	87	8.5	7.23	40.5	357.4	359.6	0.683	0.076	5.36	9.48	3.30	21.67	22.96	29.38	22.69	G
3	28	90	87	11.5	7.23	28.0	17.7	3.7	0.780	0.070	4.76	7.76	7.28	13.81	18.47	29.44	30.99	G
3	28	90	87	14.5	6.86	31.1	150.5	348.9	0.736	0.065	4.27	3.16	12.15	8.02	21.16	17.15	41.52	G
3	28	90	87	17.5	6.73	23.0	151.6	348.9	0.821	0.125	3.86	3.94	3.05	1.45	4.51	29.71	61.27	G
3	28	90	87	20.5	7.22	47.1	358.5	4.7	0.732	0.117	3.75	3.32	4.42	6.34	11.20	20.82	57.21	G
3	28	90	87	23.5	7.29	40.7	13.4	14.7	0.777	0.064	3.79	2.81	6.41	15.21	8.51	17.48	52.38	G
3	29	90	88	2.5	6.98	24.0	139.7	343.5	0.702	0.085	4.21	4.34	7.86	9.80	4.68	47.29	30.37	G
3	29	90	88	5.5	6.77	38.2	157.6	347.9	0.638	0.068	3.51	3.32	6.57	1.55	1.95	13.11	76.83	G
3	29	90	88	8.5	7.11	13.2	34.3	27.9	0.720	0.095	3.56	3.51	5.73	7.40	13.75	11.40	61.73	G
3	29	90	88	11.5	7.29	35.2	10.9	192.6	0.731	0.140	3.82	3.51	4.16	5.24	6.91	32.04	51.64	G
3	29	90	88	14.5	6.93	26.0	142.0	197.9	0.776	0.179	3.64	3.71	2.40	1.34	1.62	23.67	70.97	S
3	29	90	88	17.5	6.84	37.0	162.4	216.6	0.753	0.386	3.88	4.06	4.22	1.22	1.18	42.83	50.55	G
3	29	90	88	20.5	7.29	41.2	359.6	210.0	0.791	0.641	4.51	4.34	2.84	2.22	12.32	69.76	12.86	G
3	29	90	88	23.5	7.49	51.2	12.0	199.4	0.750	0.711	5.04	4.83	2.03	2.78	13.95	73.19	8.04	G
3	30	90	89	2.5	7.27	15.0	62.8	202.9	0.796	0.695	4.83	4.65	2.39	5.18	6.74	72.28	13.41	G
3	30	90	89	5.5	6.95	57.5	160.7	202.8	0.717	0.377	4.41	4.65	2.53	9.86	4.86	58.80	23.94	G
3	30	90	89	8.5	7.06	22.5	155.2	193.6	0.806	0.361	4.11	4.49	2.73	10.29	7.75	42.29	36.94	G
3	30	90	89	11.5	7.34	30.2	0.9	192.7	0.868	0.483	4.74	4.49	3.37	10.67	8.79	66.07	11.11	G
3	30	90	89	14.5	7.15	3.8	105.8	194.7	0.836	0.291	4.49	4.49	4.43	10.67	2.93	64.73	17.24	G
3	30	90	89	17.5	6.86	39.4	158.6	193.5	0.672	0.183	3.85	3.94	3.61	7.02	1.96	36.92	50.49	S
3	30	90	89	20.5	7.04	6.1	71.5	8.5	0.745	0.168	5.82	10.24	4.08	34.72	16.86	13.93	30.41	G
3	30	90	89	23.5	7.36	42.4	6.8	354.5	0.760	0.225	6.74	8.83	5.86	40.78	18.84	25.34	9.18	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	90	90	2.5	7.23	25.5	14.0	348.3	0.700	0.133	6.69	8.83	10.20	34.37	13.54	26.32	15.56	G
3	31	90	90	5.5	6.93	29.1	146.4	334.0	0.649	0.076	8.75	11.13	14.73	60.85	4.62	9.97	9.83	G
3	31	90	90	8.5	6.90	29.6	151.2	342.6	0.666	0.072	6.56	8.26	11.70	30.37	15.56	26.84	15.53	G
3	31	90	90	11.5	7.22	41.6	355.3	353.8	0.656	0.125	6.78	7.31	2.65	15.36	53.13	24.03	4.83	G
3	31	90	90	14.5	7.17	18.4	24.1	330.6	0.661	0.106	6.24	8.26	3.80	34.64	20.96	27.02	13.58	G
3	31	90	90	17.5	6.91	33.0	148.0	347.1	0.639	0.046	7.26	9.48	12.42	38.34	13.05	29.41	6.79	G
3	31	90	90	20.5	6.94	20.4	147.3	36.0	0.643	0.043	7.42	8.26	7.69	39.00	34.35	14.38	4.59	G
3	31	90	90	23.5	7.32	37.3	355.8	3.9	0.651	0.105	6.44	6.56	2.10	13.32	50.14	27.18	7.27	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	1	90	91	2.5	7.31	26.0	16.7	1.5	0.814	0.097	7.06	9.48	2.53	32.90	23.66	32.00	8.91	G
4	1	90	91	5.5	7.05	17.2	129.5	322.5	0.691	0.049	7.01	9.48	7.82	33.50	17.95	31.82	8.92	G
4	1	90	91	8.5	6.91	42.1	152.2	8.3	0.620	0.038	6.97	8.26	16.26	29.94	17.14	26.05	10.61	S
4	1	90	91	11.5	7.11	7.4	110.6	356.7	0.776	0.074	7.01	6.56	2.75	8.16	66.61	19.03	3.45	G
4	1	90	91	14.5	7.18	24.9	8.5	9.4	0.660	0.097	6.24	6.92	1.75	20.56	38.85	20.46	18.38	G
4	1	90	91	17.5	6.96	14.6	96.1	356.5	0.742	0.052	6.36	8.83	3.73	24.41	28.63	26.47	16.76	G
4	1	90	91	20.5	6.88	31.2	153.2	37.6	0.587	0.032	6.02	6.92	12.08	14.33	27.12	32.79	13.68	G
4	1	90	91	23.5	7.19	26.8	1.9	346.4	0.716	0.197	3.86	3.61	4.58	3.18	12.81	28.50	50.93	G
4	2	90	92	2.5	7.29	46.7	15.2	1.5	0.753	0.092	4.79	7.31	14.39	10.61	23.95	15.21	35.84	G
4	2	90	92	5.5	7.18	14.3	50.0	351.2	0.629	0.072	6.28	8.83	10.54	26.50	24.86	16.68	21.43	G
4	2	90	92	8.5	6.93	23.4	162.3	350.1	0.692	0.043	5.60	8.26	7.71	16.98	18.11	31.13	26.07	G
4	2	90	92	11.5														
4	2	90	92	14.0	7.05	25.8	319.8	62.9	0.547	0.090	5.75	5.95	2.91	12.36	18.08	56.52	10.13	G
4	2	90	92	17.0	6.98	26.6	20.2	54.3	0.852	0.078	5.51	6.24	7.95	15.82	28.98	20.53	26.73	S
4	2	90	92	20.0	6.77	28.2	169.3	340.9	0.782	0.183	3.94	4.06	4.75	3.42	4.33	45.93	41.57	G
4	2	90	92	23.0	6.87	35.4	184.6	11.0	0.750	0.152	4.20	4.20	8.60	3.47	7.05	57.14	23.74	S
4	3	90	93	2.0	7.14	25.5	330.9	6.3	0.659	0.087	5.39	7.31	14.02	7.57	23.45	18.85	36.11	G
4	3	90	93	5.0	7.18	13.7	330.0	190.3	0.889	0.266	4.18	4.06	6.32	1.78	4.05	48.44	39.42	G
4	3	90	93	8.0	6.96	37.2	174.5	205.2	0.719	0.480	4.34	4.49	2.56	1.88	2.28	76.78	16.50	G
4	3	90	93	11.0	6.80	43.6	180.6	212.8	0.752	0.274	3.95	4.49	3.41	1.01	2.53	58.97	34.08	S
4	3	90	93	14.0	6.94	8.2	332.1	201.3	0.838	0.178	4.02	3.82	6.53	2.44	4.88	37.40	48.76	G
4	3	90	93	17.0	7.01	25.2	343.9	183.3	0.870	0.127	4.36	4.06	16.97	4.02	8.43	28.12	42.47	G
4	3	90	93	20.0	6.89	10.6	123.2	184.2	0.833	0.190	3.92	3.71	13.61	2.84	3.44	15.28	64.83	G
4	3	90	93	23.0	6.74	41.2	184.0	205.0	0.867	0.257	3.79	4.34	5.55	1.39	2.32	46.87	43.87	S
4	4	90	94	2.0	6.91	21.9	337.7	198.2	0.873	0.213	4.15	4.20	10.74	2.81	2.47	46.45	37.53	G
4	4	90	94	5.0	6.99	38.9	3.2	201.7	0.797	0.156	4.36	4.20	14.31	5.86	2.51	46.99	30.34	S
4	4	90	94	8.0	6.84	5.6	64.1	190.3	0.805	0.128	4.45	4.49	20.91	3.89	2.47	42.57	30.15	G
4	4	90	94	11.0	6.58	29.2	186.6	6.4	0.756	0.105	3.97	3.71	17.68	3.31	1.42	23.48	54.11	G
4	4	90	94	14.0	6.82	36.7	214.5	181.3	0.716	0.103	3.72	3.61	17.79	7.29	3.77	7.81	63.34	G
4	4	90	94	17.0	6.97	35.7	334.6	196.3	0.729	0.079	4.72	4.06	18.64	13.95	6.70	28.20	32.51	G
4	4	90	94	20.0	6.83	11.2	31.8	203.6	0.712	0.067	4.92	12.19	20.92	15.12	3.83	22.06	38.07	G
4	4	90	94	23.0	6.59	29.6	170.2	15.3	0.695	0.050	4.27	3.94	22.41	6.71	2.62	18.70	49.57	G
4	5	90	95	2.0	6.72	27.6	194.2	13.9	0.734	0.047	6.65	12.19	30.83	24.07	4.50	5.67	34.92	G
4	5	90	95	5.0	6.98	29.6	337.1	21.0	0.796	0.082	4.21	12.19	17.12	16.66	6.26	12.73	47.22	G
4	5	90	95	8.0	6.90	13.0	42.5	68.7	0.614	0.059	5.69	13.47	22.94	16.76	5.52	33.84	20.94	G
4	5	90	95	11.0	6.64	42.3	173.6	139.4	0.609	0.027	5.22	13.47	32.25	6.05	3.38	30.44	27.87	G
4	5	90	95	14.0	6.63	45.7	183.3	1.9	0.694	0.025	6.40	11.13	28.27	26.68	7.78	9.03	28.23	S
4	5	90	95	17.0	6.91	20.8	337.8	352.3	0.696	0.063	6.17	6.92	7.20	19.63	27.17	29.65	16.35	G
4	5	90	95	20.0	6.89	25.5	19.2	8.0	0.604	0.055	6.83	13.47	36.34	12.23	6.97	23.09	21.37	G
4	5	90	95	23.0	6.63	31.3	165.2	334.1	0.699	0.047	5.60	3.82	25.94	14.72	4.30	23.68	31.36	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
4	6	90	96	2.0	6.61	18.9	186.6	7.4	0.599	0.035	5.36	10.24	21.04	17.23	10.74	12.03	38.96	G
4	6	90	96	5.0	6.94	26.2	336.0	10.0	0.745	0.054	5.15	11.13	13.64	23.71	8.91	21.82	31.93	G
4	6	90	96	8.0	7.05	12.0	18.9	186.0	0.827	0.257	3.94	4.34	7.32	4.21	1.87	51.87	34.73	S
4	6	90	96	11.0	6.74	33.6	174.4	198.5	0.717	0.204	3.75	4.20	3.73	0.91	0.79	43.17	51.40	G
4	6	90	96	14.0	6.67	29.6	178.3	183.7	0.558	0.071	3.26	3.01	5.39	3.28	1.07	4.73	85.53	G
4	6	90	96	17.0	7.04	26.2	346.6	191.7	0.886	0.241	4.11	3.94	20.42	2.69	1.84	29.84	45.22	G
4	6	90	96	20.0	7.13	40.8	11.6	193.9	0.765	0.246	4.23	4.34	5.15	2.95	3.98	62.50	25.41	G
4	6	90	96	23.0	6.91	22.4	167.0	193.0	0.803	0.420	4.32	4.34	2.05	1.04	2.01	78.39	16.51	G
4	7	90	97	2.0	6.84	41.7	184.1	196.2	0.795	0.463	4.00	4.20	2.14	1.21	1.88	70.88	23.89	G
4	7	90	97	5.0	7.03	6.2	279.0	206.1	0.876	0.432	4.32	4.34	2.40	1.48	2.87	74.50	18.74	S
4	7	90	97	8.0	7.14	22.4	348.2	191.5	0.842	0.294	4.21	4.83	5.66	5.48	5.22	54.43	29.22	G
4	7	90	97	11.0	6.92	20.5	187.5	197.7	0.754	0.174	4.08	4.49	3.22	2.74	4.22	53.41	36.41	G
4	7	90	97	14.0	6.75	30.6	176.2	204.8	0.791	0.117	3.56	4.20	3.30	1.50	1.32	30.11	63.77	S
4	7	90	97	17.0	7.03	8.7	285.0	186.5	0.745	0.101	4.30	3.71	10.61	13.82	11.10	17.58	46.90	G
4	7	90	97	20.0	7.25	30.0	2.2	182.9	0.808	0.216	4.27	4.20	3.03	9.78	8.39	55.26	23.53	G
4	7	90	97	23.0	7.08	16.3	154.2	177.9	0.831	0.238	4.06	4.34	4.33	2.91	2.28	60.01	30.48	G
4	8	90	98	2.0	6.80	56.1	182.1	205.7	0.777	0.179	4.00	4.34	2.61	2.02	2.64	50.09	42.64	S
4	8	90	98	5.0	6.93	8.7	208.9	206.5	0.763	0.125	4.20	4.20	4.03	9.81	9.59	46.22	30.36	G
4	8	90	98	8.0	7.15	35.2	352.8	187.8	0.748	0.083	4.95	8.26	4.54	25.94	14.00	25.10	30.43	G
4	8	90	98	11.0	6.97	6.3	111.0	340.6	0.823	0.063	6.13	7.31	13.15	22.16	24.97	15.84	23.88	G
4	8	90	98	14.0	6.76	51.8	178.1	17.3	0.674	0.027	3.36	2.59	16.92	11.07	5.28	7.75	58.98	S
4	8	90	98	17.0	6.91	21.6	187.5	191.7	0.626	0.064	4.10	7.76	5.31	9.80	19.55	15.31	50.03	G
4	8	90	98	20.0	7.20	40.4	352.7	189.7	0.776	0.093	5.20	6.56	7.12	7.76	31.05	26.35	27.73	S
4	8	90	98	23.0	7.02	7.5	26.5	3.4	0.774	0.047	6.28	9.48	18.02	29.62	12.75	8.83	30.78	G
4	9	90	99	2.0	6.74	40.1	175.6	359.0	0.665	0.057	4.03	3.94	11.26	3.78	8.52	25.16	51.27	S
4	9	90	99	5.0	6.79	24.4	182.4	49.4	0.609	0.072	4.27	4.20	6.00	8.99	3.73	42.43	38.85	G
4	9	90	99	8.0	7.09	31.1	338.5	3.5	0.729	0.066	5.04	10.24	9.37	22.79	13.12	25.94	28.79	G
4	9	90	99	11.0	6.96	5.3	327.4	6.2	0.839	0.053	5.72	10.24	14.84	25.94	11.93	14.01	33.28	S
4	9	90	99	14.0	6.66	34.4	175.5	31.8	0.713	0.047	3.58	3.08	10.07	5.36	4.67	16.16	63.74	S
4	9	90	99	17.0	6.71	13.0	187.0	355.3	0.843	0.502	4.30	4.20	2.03	1.02	0.93	82.51	13.52	G
4	9	90	99	20.0	6.99	45.3	353.0	357.0	0.635	0.346	3.95	3.94	2.47	1.79	1.79	39.26	54.68	S
4	9	90	99	23.0	6.93	20.4	11.0	350.3	0.632	0.118	3.56	3.71	3.29	2.18	1.68	9.00	83.85	G
4	10	90	100	2.0	6.66	26.2	179.0	353.2	0.738	0.083	3.68	4.06	5.19	2.48	2.21	19.20	70.92	G
4	10	90	100	5.0	6.62	33.9	176.6	29.9	0.704	0.120	3.98	3.94	4.27	2.62	3.14	49.67	40.30	G
4	10	90	100	8.0	6.92	17.8	326.3	31.7	0.812	0.129	3.82	3.71	4.71	3.16	10.86	22.12	59.14	S
4	10	90	100	11.0	6.87	12.5	321.9	50.2	0.831	0.092	3.64	3.32	7.95	5.13	6.81	13.50	66.62	S
4	10	90	100	14.0	6.55	25.2	194.2	173.0	0.830	0.218	4.06	4.20	3.95	1.30	1.38	53.71	39.66	S
4	10	90	100	17.0	6.50	18.4	198.8	173.9	0.720	0.220	4.13	4.49	2.91	1.46	0.83	72.63	22.18	S
4	10	90	100	20.0	6.80	36.4	339.1	10.6	0.667	0.604	4.27	4.65	1.43	0.92	1.76	83.37	12.53	G
4	10	90	100	23.0	6.77	25.2	358.0	1.2	0.566	0.630	4.16	4.49	2.56	1.26	2.16	74.46	19.56	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	90	101	2.0	6.48	14.7	199.6	15.9	0.806	0.557	4.38	4.83	0.81	0.40	0.65	86.50	11.64	G
4	11	90	101	5.0	6.36	25.3	196.3	3.8	0.829	0.446	4.83	5.22	0.51	0.30	1.04	88.13	10.02	S
4	11	90	101	8.0	6.65	8.8	231.6	2.6	0.889	0.174	4.76	3.94	4.68	7.39	11.80	44.98	31.15	G
4	11	90	101	11.0	6.80	14.8	319.3	36.9	0.879	0.155	5.28	5.69	3.52	15.31	19.44	39.75	21.98	S
4	11	90	101	14.0	6.57	27.0	183.6	23.5	0.872	0.065	4.27	5.69	10.54	14.68	12.10	36.46	26.21	S
4	11	90	101	17.0	6.56	27.1	198.2	180.1	0.813	0.162	3.56	3.61	2.44	1.69	1.09	30.82	63.96	S
4	11	90	101	20.0	6.89	8.0	298.6	211.2	0.866	0.456	4.36	4.34	1.82	2.70	3.97	71.64	19.87	G
4	11	90	101	23.0	6.91	26.1	352.0	226.5	0.737	0.261	4.49	4.49	3.56	9.42	4.66	64.18	18.19	S
4	12	90	102	2.0	6.60	10.1	198.2	44.8	0.774	0.119	3.85	3.94	4.33	12.02	2.36	26.69	54.60	S
4	12	90	102	5.0	6.44	22.4	191.5	26.2	0.850	0.064	3.63	3.71	3.73	12.12	2.86	18.51	62.79	S
4	12	90	102	8.0	6.68	18.1	335.7	35.5	0.701	0.077	5.95	7.76	4.72	30.23	28.27	9.78	27.01	G
4	12	90	102	11.0	6.83	26.3	352.0	54.9	0.737	0.060	6.02	8.83	4.05	34.20	11.26	23.54	26.96	S
4	12	90	102	14.0	6.69	9.7	227.1	37.7	0.873	0.072	4.92	9.48	7.02	35.93	7.20	6.33	43.52	S
4	12	90	102	17.0	6.58	23.2	189.4	176.8	0.844	0.100	3.49	3.51	2.00	5.62	1.61	4.53	86.24	S
4	12	90	102	20.0	6.89	10.8	312.6	35.4	0.877	0.141	4.10	3.71	3.31	11.43	16.52	15.15	53.59	S
4	12	90	102	23.0	7.09	28.3	355.6	208.0	0.747	0.367	4.28	4.65	1.79	3.66	1.66	77.51	15.36	S
4	13	90	103	2.0	6.90	9.2	167.7	208.6	0.824	0.257	4.00	3.82	3.22	5.34	1.38	50.09	39.96	S
4	13	90	103	5.0	6.72	31.0	189.0	186.3	0.861	0.191	3.75	3.82	2.61	2.02	0.97	32.51	61.90	S
4	13	90	103	8.0	6.84	12.9	215.8	23.8	0.921	0.135	3.82	3.71	2.62	6.87	10.17	13.77	66.56	S
4	13	90	103	11.0	7.02	31.7	347.9	56.2	0.773	0.103	4.83	3.51	8.75	17.81	16.95	15.91	40.58	S
4	13	90	103	14.0	6.84	4.4	169.4	63.9	0.849	0.070	5.42	8.83	7.71	22.43	12.57	36.28	21.01	S
4	13	90	103	17.0	6.68	22.3	179.9	13.8	0.818	0.033	6.65	8.26	10.92	29.30	17.46	25.87	16.45	S
4	13	90	103	20.0	6.89	9.7	314.4	31.1	0.859	0.136	3.66	3.51	2.87	6.35	13.64	7.86	69.28	S
4	13	90	103	23.0	7.09	35.1	355.9	258.6	0.635	0.085	4.08	7.76	6.06	14.77	19.93	8.43	50.81	S
4	14	90	104	2.0	6.96	13.2	2.7	74.2	0.815	0.111	3.47	3.32	3.74	12.02	3.27	7.73	73.24	S
4	14	90	104	5.0	6.77	24.0	176.5	350.8	0.676	0.113	3.79	3.71	3.87	6.20	2.80	23.48	63.66	G
4	14	90	104	8.0	6.83	19.6	192.6	12.3	0.717	0.091	3.89	3.94	2.71	9.83	10.37	19.14	57.95	G
4	14	90	104	11.0	7.04	23.4	335.5	48.9	0.742	0.113	4.30	7.31	3.36	10.64	26.17	15.37	44.45	S
4	14	90	104	14.0	6.90	8.0	312.8	37.0	0.659	0.114	3.91	3.82	5.37	13.22	12.06	22.85	46.51	S
4	14	90	104	17.0	6.73	27.1	183.5	18.0	0.810	0.083	3.94	3.94	2.52	8.89	5.29	20.67	62.63	S
4	14	90	104	20.0	6.83	12.3	201.1	7.1	0.755	0.138	3.79	3.94	2.37	3.53	4.96	23.22	65.93	S
4	14	90	104	23.0	7.05	39.0	352.2	36.3	0.641	0.088	4.03	3.24	4.92	12.89	14.16	24.95	43.08	S
4	15	90	105	2.0	6.99	17.3	5.8	40.9	0.613	0.077	4.74	9.48	5.76	20.85	11.65	30.14	31.60	G
4	15	90	105	5.0	6.78	25.7	181.6	37.1	0.639	0.058	4.81	3.94	7.74	10.46	9.91	43.92	27.96	G
4	15	90	105	8.0	6.75	31.0	183.4	20.3	0.788	0.071	5.57	5.69	2.61	5.89	21.07	62.70	7.73	S
4	15	90	105	11.0	6.92	7.3	12.6	14.5	0.742	0.163	6.24	6.56	0.88	5.18	54.49	36.84	2.61	G
4	15	90	105	14.0	6.91	14.3	311.2	352.0	0.707	0.169	6.02	6.92	1.26	8.19	40.65	38.22	11.67	G
4	15	90	105	17.0	6.70	17.7	184.7	29.0	0.737	0.065	6.24	6.24	3.35	21.25	31.19	34.93	9.28	G
4	15	90	105	20.0	6.72	22.7	182.8	32.6	0.754	0.072	6.40	7.31	3.86	12.57	49.58	27.18	6.81	G
4	15	90	105	23.0	6.97	23.6	331.6	359.7	0.666	0.160	6.06	7.31	1.02	9.46	45.11	36.16	8.25	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	90	106	2.0	6.99	27.9	8.5	47.3	0.530	0.130	6.24	7.76	8.35	14.62	29.72	35.24	12.07	G
4	16	90	106	5.0	6.80	15.2	182.6	336.9	0.662	0.060	6.92	6.92	10.39	28.59	31.93	21.90	7.19	G
4	16	90	106	8.0	6.71	36.0	180.0	17.9	0.709	0.050	5.66	7.76	7.04	15.85	24.49	33.36	19.26	S
4	16	90	106	11.0	6.89	19.5	170.7	11.3	0.757	0.071	6.17	6.24	5.27	7.85	43.50	31.79	11.59	G
4	16	90	106	14.0	6.93	12.7	321.7	355.6	0.749	0.089	5.79	6.56	2.49	9.04	33.66	43.98	10.83	G
4	16	90	106	17.0	6.78	16.1	183.3	51.1	0.688	0.056	5.99	6.56	5.18	19.94	32.04	29.15	13.69	G
4	16	90	106	20.0	6.72	22.6	186.0	36.7	0.628	0.052	4.97	7.31	5.67	18.05	26.08	20.73	29.48	G
4	16	90	106	23.0	6.90	9.1	322.9	355.6	0.884	0.076	5.54	8.83	7.27	21.85	19.88	25.72	25.28	G
4	17	90	107	2.0	6.97	35.7	3.7	26.1	0.622	0.080	5.66	7.76	4.65	32.86	20.37	24.18	17.95	G
4	17	90	107	5.0	6.84	1.8	21.3	75.0	0.650	0.066	6.56	8.26	5.77	40.27	22.53	13.64	17.78	G
4	17	90	107	8.0	6.71	25.0	181.5	75.3	0.728	0.045	5.89	8.83	4.83	34.49	19.76	18.02	22.89	S
4	17	90	107	11.0	6.79	10.1	228.3	13.0	0.694	0.069	6.65	8.83	2.63	23.97	34.46	27.58	11.36	G
4	17	90	107	14.0	6.92	25.2	314.9	72.6	0.800	0.090	5.66	4.49	3.87	16.20	17.11	47.12	15.71	S
4	17	90	107	17.0	7.00	26.0	204.8	205.6	0.708	0.494	3.89	3.82	9.83	1.21	0.90	36.54	51.52	G
4	17	90	107	20.0	6.90	53.2	183.7	204.9	0.815	0.725	4.43	4.65	4.16	0.54	2.09	74.08	19.12	G
4	17	90	107	23.0	6.84	28.6	184.6	214.6	0.829	0.622	4.30	4.83	2.81	1.12	2.03	78.85	15.19	G
4	18	90	108	2.0	7.14	7.8	282.1	203.6	0.875	0.866	4.72	5.22	1.53	0.78	2.79	84.86	10.04	G
4	18	90	108	5.0	6.97	5.9	219.8	199.4	0.873	0.718	4.57	5.02	1.43	0.72	3.35	82.10	12.40	G
4	18	90	108	8.0	6.79	29.1	187.7	197.6	0.859	0.472	4.15	4.65	2.59	1.69	1.23	70.44	24.05	G
4	18	90	108	11.0	6.78	11.5	202.9	200.9	0.871	0.314	4.10	4.34	2.77	1.20	1.71	67.58	26.74	G
4	18	90	108	14.0	6.93	30.1	343.1	188.3	0.861	0.200	4.02	4.20	4.11	4.57	4.87	58.49	27.96	G
4	18	90	108	17.0	6.86	12.6	0.7	196.2	0.823	0.130	4.27	3.94	3.21	20.59	10.72	16.36	49.11	G
4	18	90	108	20.0	6.74	16.2	171.6	174.9	0.728	0.094	3.64	3.51	3.00	9.74	3.92	5.76	77.59	G
4	18	90	108	23.0	6.78	27.8	189.3	202.8	0.770	0.085	3.51	3.24	2.68	8.81	5.21	19.12	64.18	G
4	19	90	109	2.0	7.02	18.7	338.8	220.1	0.649	0.136	5.72	5.22	1.70	6.73	7.28	79.90	4.39	G
4	19	90	109	5.0	7.03	18.4	346.2	2.8	0.669	0.051	7.01	8.83	7.46	46.34	15.20	18.87	12.12	G
4	19	90	109	8.0	6.88	25.7	181.0	356.0	0.590	0.079	6.10	7.76	8.85	21.06	30.17	26.25	13.67	G
4	19	90	109	11.0	6.83	35.2	180.9	35.2	0.644	0.038	5.31	6.92	15.35	17.20	18.80	16.48	32.17	G
4	19	90	109	14.0	6.97	8.2	339.2	1.8	0.873	0.105	4.11	3.41	4.46	15.09	14.20	14.74	51.51	G
4	19	90	109	17.0	7.00	28.2	344.2	5.9	0.667	0.102	4.05	4.83	3.65	11.46	11.93	40.04	32.92	G
4	19	90	109	20.0	6.85	7.0	154.9	326.9	0.580	0.090	4.06	3.01	7.33	15.31	9.98	12.87	54.50	G
4	19	90	109	23.0	6.75	24.0	176.5	340.2	0.635	0.101	3.70	3.51	2.59	4.31	6.86	12.27	73.98	G
4	20	90	110	2.0	6.95	17.2	333.1	359.2	0.653	0.121	4.03	4.20	3.75	4.74	13.46	38.28	39.77	G
4	20	90	110	5.0	7.05	28.2	354.0	7.1	0.756	0.122	4.32	6.24	3.63	7.54	20.36	35.00	33.47	G
4	20	90	110	8.0	6.90	13.8	180.3	340.5	0.787	0.080	4.61	7.31	6.22	18.34	18.96	25.15	31.33	G
4	20	90	110	11.0	6.71	40.5	182.5	21.6	0.725	0.084	6.69	6.24	22.24	14.36	16.38	36.42	10.60	G
4	20	90	110	14.0	6.82	14.3	180.1	325.7	0.678	0.076	4.85	5.95	6.47	12.22	20.38	38.26	22.67	G
4	20	90	110	17.0	6.99	28.9	331.9	345.3	0.650	0.149	3.64	3.32	2.83	6.41	7.72	20.32	62.72	G
4	20	90	110	20.0	6.85	6.0	304.5	317.5	0.718	0.120	3.81	3.16	4.42	10.56	10.02	19.90	55.11	G
4	20	90	110	23.0	6.61	33.2	183.4	354.8	0.627	0.121	3.79	3.61	5.27	4.64	3.20	29.89	56.99	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	90	111	2.0	6.65	12.9	203.8	1.9	0.847	0.262	4.16	4.34	3.72	2.15	1.44	69.60	23.09	G
4	21	90	111	5.0	6.87	36.2	347.5	3.0	0.743	0.167	3.85	3.71	3.16	10.03	8.69	20.85	57.27	G
4	21	90	111	8.0	6.76	6.4	4.9	342.5	0.679	0.156	4.00	3.51	5.01	8.74	4.80	26.31	55.14	G
4	21	90	111	11.0	6.50	36.4	188.7	203.8	0.725	0.220	4.38	5.02	2.43	1.07	0.72	75.41	20.37	G
4	21	90	111	14.0	6.57	24.6	186.8	12.0	0.721	0.081	4.39	4.20	8.51	12.71	8.10	42.10	28.59	G
4	21	90	111	17.0	6.87	34.4	333.0	7.3	0.624	0.085	5.45	8.83	5.23	28.29	15.95	25.47	25.06	G
4	21	90	111	20.0	6.84	14.2	19.1	6.8	0.817	0.093	6.13	9.48	4.93	39.46	5.79	32.01	17.82	G
4	21	90	111	23.0	6.57	33.0	177.2	175.0	0.661	0.058	5.89	4.83	8.12	10.26	4.57	65.02	12.02	G
4	22	90	112	2.0	6.55	37.5	182.7	210.5	0.712	0.054	4.92	4.06	4.71	12.03	4.94	60.91	17.41	G
4	22	90	112	5.0	6.91	26.5	337.9	189.0	0.800	0.163	3.89	3.32	7.56	9.84	8.22	14.29	60.10	G
4	22	90	112	8.0	6.91	22.5	5.9	185.0	0.805	0.138	4.05	3.61	10.57	11.95	4.95	26.83	45.70	G
4	22	90	112	11.0	6.62	28.4	171.5	175.4	0.616	0.090	3.71	3.41	12.85	3.93	2.63	16.94	63.65	G
4	22	90	112	14.0	6.57	28.6	185.0	194.8	0.753	0.063	4.23	5.22	9.94	11.63	3.99	40.77	33.67	G
4	22	90	112	17.0	6.96	47.7	348.5	8.0	0.795	0.070	6.69	11.13	12.41	26.81	12.68	32.66	15.44	S
4	22	90	112	20.0	6.99	42.4	4.1	17.1	0.651	0.081	5.36	5.69	11.74	17.40	11.15	39.44	20.28	G
4	22	90	112	23.0	6.75	19.7	182.4	335.1	0.625	0.050	8.00	12.19	39.94	20.24	13.23	13.67	12.91	G
4	23	90	113	2.0	6.59	47.4	181.2	19.0	0.735	0.030	5.99	11.13	17.99	34.50	12.89	9.02	25.60	S
4	23	90	113	5.0	6.91	18.5	319.9	11.2	0.645	0.081	6.24	8.26	6.47	41.97	15.79	7.14	28.63	G
4	23	90	113	8.0	7.05	31.3	356.7	1.8	0.696	0.100	6.44	9.48	8.95	32.90	20.91	27.02	10.23	G
4	23	90	113	11.0	6.77	27.4	186.6	4.5	0.713	0.062	7.21	13.47	33.97	19.61	12.70	20.48	13.24	G
4	23	90	113	14.0	6.58	56.7	179.0	16.7	0.669	0.025	5.99	10.24	12.03	21.92	9.22	30.60	26.23	S
4	23	90	113	17.0	6.95	12.2	358.8	337.3	0.565	0.080	7.64	9.48	3.25	58.06	22.27	15.16	1.26	G
4	23	90	113	20.0	7.15	43.9	4.4	20.0	0.672	0.067	6.78	9.48	8.07	47.52	14.86	17.54	12.01	S
4	23	90	113	23.0	6.92	5.6	121.7	13.0	0.762	0.047	8.53	12.19	36.40	23.27	8.39	24.39	7.55	G
4	24	90	114	2.0	6.60	59.6	179.2	104.2	0.741	0.019	6.21	11.13	33.67	25.43	5.20	9.20	26.49	S
4	24	90	114	5.0	6.80	13.2	203.6	2.3	0.732	0.055	7.53	8.26	5.36	56.17	16.65	13.93	7.89	G
4	24	90	114	8.0	7.09	38.8	349.6	1.8	0.686	0.068	6.83	9.48	11.78	36.08	14.60	23.89	13.65	G
4	24	90	114	11.0	6.89	3.9	134.0	352.7	0.796	0.056	7.16	12.19	24.16	29.76	13.70	18.15	14.25	G
4	24	90	114	14.0	6.60	50.1	176.4	243.7	0.683	0.276	4.83	4.49	0.17	0.16	0.06	98.90	0.71	G
4	24	90	114	17.0	6.87	10.7	161.9	329.5	0.606	0.086	4.23	3.01	8.52	16.39	20.58	7.70	46.80	G
4	24	90	114	20.0	7.22	53.7	2.5	212.4	0.624	0.064	4.83	9.48	14.19	19.60	11.80	15.12	39.28	S
4	24	90	114	23.0	7.07	22.7	359.6	265.2	0.803	0.059	5.12	11.13	12.05	25.51	6.87	11.21	44.36	S
4	25	90	115	2.0	6.70	55.6	181.5	199.8	0.660	0.205	5.07	5.02	1.39	0.58	1.91	83.98	12.14	G
4	25	90	115	5.0	6.73	32.6	186.1	8.6	0.679	0.038	4.34	5.02	9.17	15.95	8.14	33.41	33.33	G
4	25	90	115	8.0	7.14	37.8	341.6	108.1	0.587	0.059	5.75	9.48	6.66	28.59	17.14	27.16	20.45	S
4	25	90	115	11.0	7.01	10.9	28.9	198.5	0.759	0.077	5.04	11.13	15.16	26.34	5.33	24.27	28.90	G
4	25	90	115	14.0	6.63	43.3	178.3	173.5	0.697	0.033	3.62	2.69	8.20	7.77	11.48	18.48	54.06	S
4	25	90	115	17.0	6.68	28.2	190.5	8.4	0.849	0.028	5.60	8.83	33.33	16.12	6.49	20.61	23.45	S
4	25	90	115	20.0	7.16	58.1	358.6	219.3	0.594	0.081	5.60	5.02	9.36	16.87	14.58	45.00	14.18	S
4	25	90	115	23.0	7.10	37.7	5.4	9.6	0.671	0.067	5.75	11.13	9.31	19.87	16.38	38.70	15.75	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
4	26	90	116	2.0	6.74	27.7	186.1	185.8	0.679	0.044	5.99	4.34	16.42	17.56	12.62	37.41	16.00	G
4	26	90	116	5.0	6.59	48.4	181.8	5.1	0.633	0.018	6.13	5.95	15.83	15.86	18.69	18.01	31.61	S
4	26	90	116	8.0	6.99	26.6	338.1	356.3	0.765	0.091	6.21	7.31	2.53	25.35	27.83	32.41	11.89	G
4	26	90	116	11.0	7.04	24.4	353.4	356.1	0.643	0.078	6.06	10.24	6.53	30.73	10.18	33.88	18.67	G
4	26	90	116	14.0	6.69	31.6	189.1	203.0	0.653	0.051	5.54	4.06	12.25	14.79	14.63	30.62	27.71	G
4	26	90	116	17.0	6.59	49.2	185.2	13.3	0.764	0.031	6.56	9.48	26.36	24.87	20.47	11.36	16.94	S
4	26	90	116	20.0	7.07	34.1	343.8	356.3	0.711	0.081	6.32	5.02	2.85	22.15	22.19	48.20	4.60	G
4	26	90	116	23.0	7.16	58.8	5.5	16.0	0.738	0.066	6.13	4.20	15.88	18.48	10.84	42.69	12.10	S
4	27	90	117	2.0	6.84	20.9	193.2	6.2	0.793	0.043	8.33	12.19	35.43	26.01	4.34	26.15	8.08	G
4	27	90	117	5.0	6.59	56.5	182.3	10.2	0.722	0.021	6.56	4.83	15.62	15.34	14.47	39.33	15.25	S
4	27	90	117	8.0	6.86	8.3	291.2	348.6	0.710	0.082	6.28	6.92	4.63	14.64	29.97	41.91	8.85	G
4	27	90	117	11.0	7.08	33.8	333.1	22.7	0.753	0.064	5.45	9.48	8.47	25.20	13.11	22.23	31.00	G
4	27	90	117	14.0	6.78	18.6	198.8	19.9	0.841	0.048	6.61	11.13	23.87	26.86	16.15	19.72	13.39	G
4	27	90	117	17.0	6.55	50.4	179.8	19.1	0.672	0.018	6.06	4.49	21.52	10.55	11.33	36.44	20.15	S
4	27	90	117	20.0	6.89	9.8	0.7	342.9	0.890	0.052	7.53	7.76	6.86	35.45	41.86	10.25	5.58	G
4	27	90	117	23.0	7.14	48.4	13.3	41.2	0.758	0.051	6.06	9.48	12.54	30.21	12.59	29.44	15.22	S
4	28	90	118	2.0	6.93	14.2	30.8	19.9	0.552	0.052	6.87	11.13	14.23	34.30	16.33	24.98	10.16	G
4	28	90	118	5.0	6.61	45.2	174.4	180.4	0.567	0.027	5.25	10.24	16.80	19.59	12.03	22.41	29.18	S
4	28	90	118	8.0	6.71	25.1	187.4	12.2	0.703	0.033	6.44	8.83	14.66	24.94	17.03	12.33	31.03	G
4	28	90	118	11.0	7.03	40.8	328.0	318.4	0.540	0.070	6.32	8.83	6.68	28.09	18.52	33.04	13.67	G
4	28	90	118	14.0	6.85	12.0	302.5	346.1	0.743	0.087	5.51	5.95	6.35	12.19	8.18	61.85	11.43	G
4	28	90	118	17.0	6.59	35.9	167.1	356.5	0.741	0.063	3.74	3.32	6.70	6.96	5.81	11.84	68.69	G
4	28	90	118	20.0	6.71	20.9	192.9	352.3	0.845	0.321	4.10	4.34	3.42	1.24	1.28	73.34	20.73	G
4	28	90	118	23.0	7.08	65.9	5.4	5.9	0.724	0.084	3.71	3.24	10.79	8.91	6.08	7.55	66.66	S
4	29	90	119	2.0	7.01	29.0	4.3	358.7	0.643	0.055	4.90	3.71	19.77	12.16	7.32	17.82	42.92	G
4	29	90	119	5.0	6.72	42.5	190.8	357.0	0.746	0.037	5.92	4.20	27.65	14.24	6.73	32.22	19.16	S
4	29	90	119	8.0	6.67	40.3	181.3	26.9	0.725	0.053	5.39	4.06	15.19	3.86	5.04	60.06	15.85	S
4	29	90	119	11.0	7.01	16.6	345.9	351.7	0.705	0.102	5.89	5.69	8.83	6.82	17.91	58.02	8.42	G
4	29	90	119	14.0	7.02	27.9	319.0	339.1	0.695	0.053	6.56	9.48	16.32	24.26	17.68	25.43	16.31	G
4	29	90	119	17.0	6.78	22.5	181.1	346.3	0.701	0.062	3.91	3.61	12.09	10.19	8.68	13.43	55.62	G
4	29	90	119	20.0	6.75	26.4	180.6	355.2	0.836	0.179	4.16	4.20	6.50	1.25	2.44	71.07	18.73	G
4	29	90	119	23.0	7.17	25.0	320.8	341.0	0.603	0.120	4.72	4.83	7.90	3.64	9.94	55.44	23.08	S
4	30	90	120	2.0	7.17	48.9	9.0	17.5	0.712	0.109	5.04	5.95	6.44	4.11	12.89	61.85	14.71	S
4	30	90	120	5.0	6.98	11.6	163.2	351.4	0.731	0.081	6.13	6.56	9.46	8.59	39.98	30.14	11.83	G
4	30	90	120	8.0	6.78	31.8	183.4	10.1	0.790	0.068	4.53	6.92	7.73	3.76	24.94	27.91	35.66	G
4	30	90	120	10.7	6.80	10.1	171.9	14.0	0.931	0.113	4.83	5.95	14.85	2.76	10.27	44.42	27.70	S
4	30	90	120	13.7	7.07	28.2	341.8	344.2	0.756	0.163	4.85	6.56	4.76	2.48	16.33	60.95	15.48	G
4	30	90	120	16.7	6.88	6.2	299.6	341.1	0.758	0.079	5.28	6.56	9.80	4.88	22.44	36.97	25.91	G
4	30	90	120	19.7	6.72	40.6	161.9	6.7	0.673	0.046	5.09	5.02	11.51	6.01	9.95	41.09	31.45	G
4	30	90	120	22.7	6.87	22.6	165.5	4.5	0.756	0.058	5.51	5.95	10.10	10.37	23.71	35.52	20.30	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	1	90	121	1.7	7.12	33.3	353.8	19.5	0.843	0.099	5.57	5.95	5.95	10.62	13.91	60.97	8.56	S
5	1	90	121	4.7	6.95	14.5	23.7	296.3	0.715	0.095	6.61	6.92	8.80	15.85	43.26	25.51	6.59	G
5	1	90	121	7.7	6.66	36.8	161.2	0.3	0.685	0.049	5.75	5.22	10.55	17.16	13.19	40.88	18.22	G
5	1	90	121	10.7	6.69	34.0	173.8	11.3	0.824	0.060	6.06	5.69	14.65	14.77	20.17	29.23	21.18	G
5	1	90	121	13.7	6.96	29.7	346.2	359.4	0.907	0.107	6.06	6.24	7.68	6.18	35.82	37.94	12.38	S
5	1	90	121	16.7	6.87	31.4	29.4	2.8	0.628	0.084	4.47	8.83	9.53	23.78	21.38	15.25	30.06	G
5	1	90	121	19.7	6.65	44.1	171.7	345.1	0.878	0.181	4.74	19.69	35.08	8.46	6.88	9.77	39.82	S
5	1	90	121	22.7	6.68	26.5	167.6	356.9	0.726	0.091	4.70	5.22	10.49	6.27	8.91	51.42	22.90	G
5	2	90	122	1.7	7.01	24.3	345.7	11.5	0.810	0.077	6.17	5.45	18.08	19.99	18.67	30.62	12.64	S
5	2	90	122	4.7	7.02	24.4	349.8	199.4	0.881	0.241	3.92	3.71	8.91	4.26	3.87	27.09	55.87	S
5	2	90	122	7.7	6.82	40.8	170.3	200.6	0.853	0.382	4.16	4.20	3.17	1.23	1.65	66.87	27.09	G
5	2	90	122	10.7	6.70	35.2	173.8	207.7	0.793	0.171	3.76	3.94	3.02	0.99	1.13	34.17	60.69	G
5	2	90	122	13.7	6.92	25.9	352.9	188.4	0.825	0.096	4.27	3.61	12.54	8.33	14.49	13.10	51.53	G
5	2	90	122	16.7	6.98	28.8	14.7	359.9	0.695	0.138	5.25	5.45	6.78	6.37	16.49	54.44	15.92	G
5	2	90	122	19.7	6.80	11.8	121.6	351.9	0.772	0.058	7.64	15.06	32.57	19.94	9.99	19.32	18.17	G
5	2	90	122	22.7	6.66	41.2	170.0	10.7	0.757	0.034	8.06	12.19	39.09	20.34	11.57	12.74	16.26	G
5	3	90	123	1.7	6.89	7.2	310.3	22.6	0.849	0.067	7.59	13.47	20.07	19.63	32.58	21.17	6.55	G
5	3	90	123	4.7	7.00	33.5	11.7	352.7	0.673	0.060	7.11	8.83	16.14	30.98	23.21	18.91	10.76	G
5	3	90	123	7.7	6.85	11.3	131.0	8.9	0.732	0.075	6.92	6.56	21.66	13.14	23.17	29.72	12.31	G
5	3	90	123	10.7	6.73	38.4	155.7	13.0	0.718	0.070	4.27	8.83	23.91	15.27	7.17	15.68	37.98	S
5	3	90	123	13.7	6.92	8.1	173.1	46.6	0.720	0.086	3.92	11.13	15.42	14.17	9.19	11.90	49.32	S
5	3	90	123	16.7	7.09	33.2	359.0	199.3	0.711	0.093	4.18	3.41	11.87	16.68	5.91	17.97	47.57	G
5	3	90	123	19.7	6.97	12.7	52.8	16.1	0.731	0.096	4.63	8.83	13.42	14.61	8.81	28.11	35.04	G
5	3	90	123	22.7	6.76	33.3	160.7	176.9	0.669	0.081	4.00	4.65	7.27	3.92	5.92	52.76	30.13	G
5	4	90	124	1.7	6.84	22.4	171.0	16.9	0.691	0.082	5.33	5.02	26.60	10.83	5.72	41.55	15.30	G
5	4	90	124	4.7	7.03	31.3	356.8	1.5	0.795	0.118	5.42	4.65	19.05	10.72	7.12	38.58	24.53	G
5	4	90	124	7.7	6.91	7.9	62.7	334.7	0.753	0.108	5.85	6.24	8.78	22.04	20.11	38.70	10.38	G
5	4	90	124	10.7	6.71	37.0	156.7	312.6	0.583	0.059	5.25	5.95	17.52	11.20	6.06	38.40	26.82	G
5	4	90	124	13.7	6.75	24.6	173.7	2.1	0.748	0.048	8.46	12.19	46.41	16.07	8.26	19.34	9.92	G
5	4	90	124	16.7	7.03	41.0	359.1	14.3	0.767	0.077	5.12	4.65	14.01	14.76	12.25	38.62	20.36	G
5	4	90	124	19.7	6.91	32.8	15.9	21.2	0.911	0.082	4.55	5.02	16.40	9.74	6.43	40.39	27.04	S
5	4	90	124	22.7	6.70	21.3	173.6	346.2	0.699	0.078	5.51	5.95	12.28	4.64	19.23	47.13	16.72	G
5	5	90	125	1.7	6.63	17.8	185.8	1.1	0.883	0.295	4.21	4.20	5.50	1.13	1.24	67.10	25.03	G
5	5	90	125	4.7	6.89	23.8	336.8	17.4	0.762	0.233	4.10	4.34	4.76	3.47	2.63	56.30	32.84	S
5	5	90	125	7.7	6.85	22.8	341.6	19.2	0.747	0.119	4.90	4.06	21.28	7.54	8.55	35.56	27.07	G
5	5	90	125	10.7	6.57	29.4	196.7	3.0	0.727	0.114	4.25	4.65	5.27	3.83	4.07	53.65	33.19	G
5	5	90	125	13.7	6.59	27.7	174.9	16.6	0.711	0.136	4.85	3.94	14.19	14.32	5.61	28.49	37.39	G
5	5	90	125	16.7	6.86	22.9	350.2	5.2	0.829	0.296	4.30	4.49	3.61	2.35	8.65	67.45	17.94	G
5	5	90	125	19.7	6.99	32.9	23.9	1.2	0.737	0.158	4.20	3.71	30.16	3.37	6.84	12.54	47.10	G
5	5	90	125	22.7	6.75	33.0	153.1	191.2	0.746	0.096	3.86	3.51	12.08	8.72	4.92	24.18	50.10	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	6	90	126	1.7	6.65	58.9	166.6	191.9	0.773	0.154	3.63	3.61	6.78	2.32	2.57	26.05	62.28	S
5	6	90	126	4.7	6.82	18.9	165.9	208.0	0.818	0.343	4.05	4.34	5.66	1.38	4.27	57.29	31.40	G
5	6	90	126	7.7	6.90	16.2	350.3	207.0	0.874	0.495	4.57	4.49	1.99	1.13	3.23	75.87	17.77	G
5	6	90	126	10.7	6.71	7.0	109.8	208.0	0.867	0.340	4.38	4.65	2.39	1.13	2.06	76.72	17.69	G
5	6	90	126	13.7	6.56	24.4	141.4	207.3	0.801	0.113	3.86	4.20	2.59	2.60	2.83	40.79	51.19	G
5	6	90	126	16.7	6.85	37.7	341.8	28.2	0.783	0.063	5.92	7.31	8.13	16.42	27.36	26.66	21.42	G
5	6	90	126	19.7	6.91	59.7	16.6	20.5	0.862	0.046	7.06	7.76	25.88	13.99	15.79	25.73	18.62	S
5	6	90	126	22.7	6.87	5.2	75.4	358.3	0.756	0.071	3.97	3.16	14.26	15.65	3.41	10.05	56.63	G
5	7	90	127	1.7	6.67	41.1	165.2	16.8	0.876	0.052	4.63	4.06	13.25	23.42	4.68	23.86	34.78	S
5	7	90	127	4.7	6.86	17.3	171.9	172.8	0.666	0.076	3.98	7.31	6.49	19.37	13.27	17.84	43.03	G
5	7	90	127	7.7	7.08	28.8	344.4	15.8	0.716	0.078	5.04	3.94	6.83	17.13	22.00	20.60	33.44	G
5	7	90	127	10.7	6.87	18.0	181.2	184.8	0.740	0.074	4.34	3.08	13.22	16.35	9.76	11.68	48.99	G
5	7	90	127	13.7	6.63	67.2	169.3	20.1	0.830	0.049	4.05	3.82	15.48	7.37	6.12	9.41	61.62	S
5	7	90	127	16.7	6.80	5.8	190.0	0.2	0.797	0.087	4.41	4.65	6.15	8.30	11.61	35.25	38.68	G
5	7	90	127	19.7	7.05	47.0	7.5	16.6	0.942	0.053	6.02	6.92	9.61	20.39	30.11	24.43	15.47	S
5	7	90	127	22.7	6.87	15.7	37.2	24.0	0.701	0.042	4.76	11.13	16.86	22.45	10.48	10.36	39.85	G
5	8	90	128	1.7	6.60	40.1	171.4	17.3	0.745	0.074	4.00	3.61	9.54	5.58	3.17	25.87	55.83	G
5	8	90	128	4.7	6.68	26.8	178.8	22.0	0.783	0.091	4.16	4.20	5.68	5.03	8.10	46.44	34.75	G
5	8	90	128	7.7	6.94	27.3	342.8	10.3	0.836	0.082	4.68	5.95	5.19	14.64	18.08	31.35	30.75	G
5	8	90	128	10.7	6.80	19.4	329.2	343.4	0.685	0.068	5.60	5.45	9.28	9.34	14.68	46.04	20.65	G
5	8	90	128	13.7	6.55	35.1	166.8	9.2	0.713	0.046	5.45	4.06	24.04	10.74	10.56	33.08	21.58	G
5	8	90	128	16.7	6.69	16.3	169.1	9.3	0.795	0.115	4.72	4.65	3.58	4.11	2.79	84.06	5.46	G
5	8	90	128	19.7	7.01	59.3	5.6	9.9	0.717	0.044	4.57	3.32	22.46	9.68	11.26	18.01	38.59	G
5	8	90	128	22.7	6.92	30.4	20.0	196.9	0.727	0.104	4.88	4.83	5.16	4.22	2.21	78.73	9.69	S
5	9	90	129	1.7	6.67	34.7	174.1	32.4	0.787	0.030	5.79	5.45	22.93	16.13	5.54	34.14	21.27	G
5	9	90	129	4.7	6.68	29.2	173.6	12.7	0.702	0.052	4.03	3.71	10.81	12.24	3.11	23.63	50.21	G
5	9	90	129	7.7	6.96	24.9	334.3	352.7	0.818	0.131	3.98	5.95	4.58	5.33	11.14	33.19	45.75	G
5	9	90	129	10.7	6.91	17.0	332.1	345.7	0.755	0.073	4.32	4.06	9.92	14.70	7.94	34.26	33.18	G
5	9	90	129	13.7	6.64	29.6	171.1	22.4	0.949	0.085	4.92	3.41	26.08	4.00	3.70	21.90	44.32	S
5	9	90	129	16.7	6.65	26.8	169.2	15.9	0.848	0.102	4.32	3.82	8.83	7.27	4.62	44.38	34.90	S
5	9	90	129	19.7	7.05	33.7	346.4	359.0	0.882	0.082	4.20	3.41	6.71	7.10	13.41	29.25	43.52	S
5	9	90	129	22.7	6.96	33.9	17.8	348.1	0.784	0.142	3.68	3.71	5.48	2.95	1.39	19.53	70.64	S
5	10	90	130	1.7	6.68	25.1	173.4	0.1	0.736	0.193	3.85	3.71	5.22	2.88	1.68	42.69	47.53	G
5	10	90	130	4.7	6.59	29.1	170.4	0.7	0.845	0.352	4.34	4.65	1.65	0.78	0.72	83.06	13.80	G
5	10	90	130	7.7	6.82	19.4	331.8	347.2	0.815	0.329	4.00	4.65	2.58	1.86	2.27	69.87	23.41	G
5	10	90	130	10.7	6.78	34.4	9.0	348.2	0.753	0.496	4.08	4.49	2.78	1.14	2.16	72.46	21.46	G
5	10	90	130	13.7	6.55	21.2	189.7	338.5	0.862	0.736	4.59	4.83	1.32	0.55	1.49	81.46	15.18	G
5	10	90	130	16.7	6.55	27.4	178.9	348.4	0.827	0.405	4.57	4.65	1.32	0.56	4.07	82.63	11.43	G
5	10	90	130	19.7	7.02	8.2	274.1	355.9	0.876	0.265	5.17	4.83	1.78	12.32	20.60	48.04	17.26	G
5	10	90	130	22.7	7.13	16.0	335.4	343.6	0.797	0.173	6.21	8.83	4.12	30.89	23.53	33.53	7.93	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
5	11	90	131	1.7	6.78	32.4	176.9	3.3	0.689	0.051	5.85	10.24	17.63	23.73	15.27	23.73	19.64	G
5	11	90	131	4.7	6.59	59.7	174.8	6.6	0.731	0.064	3.97	3.24	14.83	2.72	2.32	31.23	48.91	G
5	11	90	131	7.7	6.77	15.2	180.1	352.3	0.811	0.137	4.76	4.06	2.83	7.90	18.47	51.18	19.62	G
5	11	90	131	10.7	6.88	28.4	358.3	10.9	0.735	0.090	5.75	8.83	6.22	43.34	6.68	18.64	25.12	G
5	11	90	131	13.7	6.65	17.6	162.9	10.5	0.723	0.088	7.37	9.48	58.98	15.48	2.87	5.69	16.98	G
5	11	90	131	16.7	6.53	39.6	172.1	4.7	0.751	0.038	4.18	3.82	19.13	16.13	2.58	9.60	52.57	G
5	11	90	131	19.7	6.84	18.1	11.1	3.1	0.839	0.070	6.56	7.76	4.32	24.02	51.34	9.67	10.65	G
5	11	90	131	22.7	7.01	49.7	9.2	15.3	0.642	0.060	6.83	8.83	8.32	39.57	26.26	14.99	10.87	G
5	12	90	132	1.7	6.86	12.0	130.8	348.4	0.782	0.064	6.02	10.24	11.33	44.36	6.06	19.78	18.47	G
5	12	90	132	4.7	6.62	48.3	170.1	200.0	0.863	0.158	3.48	3.41	2.21	1.56	0.46	7.41	88.36	S
5	12	90	132	7.7	6.78	11.4	168.8	214.9	0.682	0.251	3.85	3.94	2.69	3.31	6.49	26.59	60.92	G
5	12	90	132	10.7	6.99	31.2	6.1	23.2	0.927	0.252	3.97	4.20	3.32	4.22	15.15	32.89	44.42	S
5	12	90	132	13.7	6.81	9.5	48.8	4.8	0.623	0.219	3.88	5.45	3.33	4.52	4.72	41.87	45.55	S
5	12	90	132	16.7	6.66	31.2	167.1	351.7	0.720	0.122	3.88	3.82	4.37	5.18	6.70	27.70	56.05	G
5	12	90	132	19.7	6.87	12.9	352.7	345.4	0.809	0.233	3.94	3.51	2.14	3.85	7.44	23.05	63.51	G
5	12	90	132	22.7	7.03	38.5	4.8	14.3	0.802	0.184	3.76	3.71	2.96	5.10	6.83	14.23	70.88	S
5	13	90	133	1.7	6.90	14.4	25.2	350.0	0.757	0.140	3.64	3.51	3.25	5.88	6.33	15.13	69.42	G
5	13	90	133	4.7	6.65	30.8	166.6	352.9	0.781	0.145	3.98	3.61	10.67	5.08	1.81	28.01	54.43	G
5	13	90	133	7.7	6.72	21.2	173.8	1.1	0.837	0.172	4.43	3.94	9.38	8.54	15.28	27.39	39.40	G
5	13	90	133	10.7	6.92	26.8	350.8	350.7	0.819	0.113	4.49	7.31	5.73	5.96	22.80	28.33	37.18	G
5	13	90	133	13.7	6.82	8.0	8.9	348.2	0.783	0.141	4.41	6.56	4.78	11.44	25.65	18.39	39.75	G
5	13	90	133	16.7	6.61	33.4	170.9	5.8	0.746	0.083	4.11	3.82	5.50	7.70	13.17	16.44	57.19	G
5	13	90	133	19.7	6.71	21.0	176.9	357.5	0.753	0.136	4.36	5.02	3.19	4.76	12.27	51.67	28.11	G
5	13	90	133	22.7	7.02	24.2	349.3	350.2	0.791	0.149	4.83	6.24	5.11	1.96	25.98	41.27	25.68	G
5	14	90	134	1.7	6.94	18.0	23.1	341.5	0.768	0.138	5.42	5.69	2.28	9.52	24.44	49.56	14.18	G
5	14	90	134	4.7	6.74	52.5	175.9	190.5	0.859	0.300	3.89	3.94	5.52	1.17	1.65	39.33	52.33	G
5	14	90	134	7.7	6.71	37.0	172.0	193.3	0.799	0.286	3.98	4.34	2.56	1.88	2.95	59.16	33.45	G
5	14	90	134	10.7	6.91	16.5	3.1	194.6	0.897	0.243	4.08	4.34	3.40	0.86	4.37	58.65	32.72	G
5	14	90	134	13.7	6.90	21.4	8.7	183.9	0.778	0.116	4.34	3.82	5.00	5.84	17.66	31.50	40.00	G
5	14	90	134	16.7	6.66	17.4	158.1	180.1	0.619	0.104	4.18	3.71	3.57	4.78	13.06	33.20	45.40	G
5	14	90	134	19.7	6.68	13.5	170.7	18.2	0.818	0.058	5.15	6.92	9.66	13.10	28.55	23.46	25.23	G
5	14	90	134	22.7	6.95	42.5	357.4	197.1	0.672	0.130	5.20	5.45	2.78	3.53	13.67	70.81	9.22	G
5	15	90	135	1.7	6.94	38.1	12.2	14.4	0.679	0.054	5.92	7.31	7.82	17.59	32.16	23.77	18.66	G
5	15	90	135	4.7	6.78	16.9	153.7	10.3	0.641	0.074	5.22	4.49	6.03	21.28	18.63	24.53	29.54	G
5	15	90	135	7.7	6.71	37.0	168.4	2.1	0.685	0.082	5.51	6.56	3.60	4.05	38.33	39.48	14.54	G
5	15	90	135	10.7	6.94	8.1	359.4	356.9	0.849	0.077	6.21	6.56	4.84	9.98	44.24	32.98	7.96	G
5	15	90	135	13.7	6.99	29.5	4.4	356.3	0.656	0.089	5.42	8.83	6.33	14.53	32.92	25.15	21.06	G
5	15	90	135	16.7	6.81	10.8	148.8	332.4	0.746	0.066	4.81	6.92	6.85	18.00	30.59	11.12	33.43	G
5	15	90	135	19.7	6.74	25.6	169.7	359.6	0.780	0.092	3.82	3.82	7.14	2.42	10.68	13.56	66.20	G
5	15	90	135	22.7	6.93	23.2	353.4	352.2	0.822	0.174	3.78	3.61	3.64	2.75	10.28	20.69	62.64	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
5	16	90	136	1.7	7.05	33.1	5.5	359.9	0.725	0.083	4.03	3.16	4.98	10.35	15.74	20.50	48.43	G
5	16	90	136	4.7	6.86	11.0	128.4	356.0	0.697	0.069	4.95	6.92	11.92	20.88	22.49	12.43	32.28	G
5	16	90	136	7.7	6.70	36.7	171.0	3.4	0.728	0.086	4.05	4.06	9.08	6.23	6.24	38.93	39.51	G
5	16	90	136	10.7	6.79	14.6	169.3	359.6	0.798	0.102	4.36	3.61	11.30	5.61	14.25	21.09	47.75	G
5	16	90	136	13.7	6.95	29.7	346.9	0.4	0.737	0.079	5.09	5.95	12.96	8.95	14.74	39.88	23.47	G
5	16	90	136	16.7	6.80	3.6	110.9	343.2	0.748	0.127	4.88	4.83	4.98	5.26	5.16	75.76	8.85	G
5	16	90	136	19.7	6.65	31.6	165.2	6.8	0.693	0.061	4.61	4.20	11.21	9.00	9.36	38.11	32.32	G
5	16	90	136	22.7	6.74	12.2	172.7	358.5	0.794	0.106	3.98	3.94	10.78	4.27	7.24	32.23	45.47	G
5	17	90	137	1.7	6.90	34.2	356.2	359.8	0.809	0.218	3.98	4.20	3.38	3.21	4.50	58.76	30.15	G
5	17	90	137	4.7	6.80	7.9	52.0	346.2	0.784	0.145	3.92	3.61	6.96	5.94	4.15	28.33	54.62	G
5	17	90	137	7.7	6.54	30.6	177.1	2.0	0.809	0.148	3.92	3.61	6.34	3.21	3.87	43.30	43.29	G
5	17	90	137	10.7	6.58	19.5	196.6	4.0	0.810	0.140	3.84	4.34	4.31	2.86	2.03	46.91	43.89	G
5	17	90	137	13.7	6.83	34.6	345.0	3.1	0.698	0.103	4.57	4.34	9.93	5.84	12.32	49.49	22.42	G
5	17	90	137	16.7	6.76	21.2	17.4	5.8	0.646	0.081	4.49	4.20	14.19	7.50	9.22	31.14	37.96	G
5	17	90	137	19.7	6.57	24.8	179.7	357.3	0.693	0.059	5.15	5.22	18.98	9.04	8.44	33.37	30.17	G
5	17	90	137	22.7	6.68	23.1	170.0	8.5	0.659	0.048	6.40	4.83	24.16	12.12	21.15	29.85	12.73	G
5	18	90	138	1.7	6.91	21.6	349.4	217.2	0.623	0.150	5.92	5.02	2.01	2.02	7.00	84.73	4.24	G
5	18	90	138	4.7	6.89	25.6	12.6	358.7	0.699	0.059	5.63	12.19	17.09	13.21	16.46	33.34	19.90	G
5	18	90	138	7.7	6.65	26.9	167.1	357.0	0.707	0.089	4.83	5.69	5.76	5.84	7.67	58.17	22.56	G
5	18	90	138	10.7	6.59	28.0	172.1	2.5	0.735	0.048	4.47	5.95	15.52	7.43	20.37	26.01	30.66	G
5	18	90	138	13.7	6.84	27.1	344.2	6.4	0.742	0.083	4.47	3.01	22.43	5.63	10.81	22.95	38.19	G
5	18	90	138	16.7	6.88	34.1	8.5	11.1	0.755	0.063	4.61	3.08	20.10	10.12	6.99	20.18	42.61	G
5	18	90	138	19.7	6.77	18.8	152.1	198.7	0.604	0.090	7.53	7.31	20.12	5.62	57.02	5.23	12.01	G
5	18	90	138	22.7	6.66	35.7	166.4	358.7	0.677	0.043	6.10	10.24	26.08	23.83	2.72	9.43	37.94	G
5	19	90	139	1.7	6.88	5.0	51.1	1.6	0.826	0.065	5.72	4.83	11.38	12.10	18.34	45.11	13.06	G
5	19	90	139	4.7	6.96	31.7	9.0	21.3	0.848	0.047	9.31	6.92	45.91	11.22	23.61	9.53	9.73	S
5	19	90	139	7.7	6.78	17.9	155.5	357.6	0.676	0.113	5.82	5.95	7.17	7.74	18.39	56.64	10.05	G
5	19	90	139	10.7	6.63	46.9	168.1	9.0	0.852	0.036	5.66	5.95	25.49	10.55	8.87	21.85	33.23	S
5	19	90	139	13.7	6.86	3.9	139.1	359.2	0.815	0.051	5.95	13.47	16.62	18.03	15.44	28.34	21.57	G
5	19	90	139	16.7	7.01	48.3	10.8	15.0	0.679	0.047	5.69	4.83	23.28	13.21	10.68	34.31	18.52	G
5	19	90	139	19.7	6.86	11.3	58.9	355.3	0.764	0.094	5.79	5.45	3.41	3.49	1.71	84.52	6.87	G
5	19	90	139	22.7	6.63	35.2	170.3	18.6	0.901	0.023	6.21	15.06	27.85	18.68	4.66	25.28	23.52	S
5	20	90	140	1.7	6.73	15.4	168.9	4.2	0.685	0.040	6.13	7.31	21.76	14.65	22.60	14.28	26.71	G
5	20	90	140	4.7	6.94	37.9	356.4	11.8	0.813	0.064	3.97	3.08	11.62	9.57	6.83	17.62	54.36	S
5	20	90	140	7.7	6.78	14.8	87.2	353.4	0.722	0.065	3.84	3.61	13.52	15.17	3.14	12.81	55.37	G
5	20	90	140	10.7	6.54	39.9	169.0	4.7	0.806	0.122	4.13	3.94	4.69	3.91	2.30	47.14	41.96	G
5	20	90	140	13.7	6.71	19.0	176.0	10.1	0.781	0.064	4.30	3.61	12.81	11.19	6.43	31.88	37.69	G
5	20	90	140	16.7	7.03	60.2	7.4	8.8	0.767	0.056	4.90	9.48	12.87	21.37	11.78	19.61	34.37	S
5	20	90	140	19.7	6.94	35.5	14.9	11.4	0.675	0.086	4.30	4.49	8.26	5.95	2.09	66.08	17.62	G
5	20	90	140	22.7	6.66	37.4	165.6	190.0	0.749	0.094	4.72	5.02	7.47	3.87	7.28	52.65	28.73	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	21	90	141	1.7	6.63	46.7	172.0	4.2	0.905	0.057	4.74	4.65	12.94	13.88	4.42	38.42	30.34	S
5	21	90	141	4.7	6.98	28.8	345.0	6.8	0.723	0.084	4.55	8.83	8.80	18.63	12.38	30.35	29.84	G
5	21	90	141	7.7	6.94	19.4	22.2	348.8	0.713	0.104	4.49	6.56	9.83	7.25	14.89	28.85	39.19	G
5	21	90	141	10.7	6.66	48.1	161.8	344.9	0.646	0.063	4.90	5.02	12.10	5.52	6.70	54.58	21.09	G
5	21	90	141	13.7	6.72	51.5	173.7	187.5	0.899	0.114	3.36	3.24	4.24	1.80	0.98	7.32	85.67	S
5	21	90	141	16.7	7.22	51.4	357.5	190.5	0.820	0.147	4.15	4.06	4.23	4.42	7.48	48.77	35.10	G
5	21	90	141	19.7	7.27	57.1	12.7	197.6	0.742	0.115	3.97	4.06	5.07	3.53	6.09	38.70	46.60	G
5	21	90	141	22.7	7.06	24.7	127.1	206.7	0.823	0.550	4.47	4.49	2.15	1.24	1.81	85.73	9.07	G
5	22	90	142	1.7	6.89	48.1	169.4	202.4	0.782	0.291	4.05	4.20	3.34	2.02	1.95	64.85	27.84	G
5	22	90	142	4.7	7.23	28.4	0.4	206.8	0.724	0.238	4.21	5.95	10.85	2.10	11.97	41.11	33.98	G
5	22	90	142	7.7	7.35	30.5	10.0	194.0	0.788	0.329	4.39	4.06	3.26	2.44	5.84	78.62	9.85	G
5	22	90	142	10.7	7.06	30.4	153.2	202.3	0.715	0.278	4.15	4.34	3.43	1.98	4.67	61.98	27.95	G
5	22	90	142	13.7	6.91	47.6	174.2	207.6	0.773	0.233	3.92	3.82	2.70	1.87	4.50	42.23	48.69	G
5	22	90	142	16.7	7.31	21.8	1.9	218.6	0.734	0.282	4.25	3.94	3.49	6.09	8.83	36.23	45.36	G
5	22	90	142	19.7	7.47	47.3	11.1	190.7	0.741	0.201	4.53	4.20	3.79	8.56	13.37	52.01	22.27	G
5	22	90	142	22.7	7.21	14.4	137.0	207.4	0.734	0.202	4.16	3.82	3.89	9.50	12.21	35.65	38.74	G
5	23	90	143	1.7	6.89	61.6	172.2	5.0	0.848	0.062	3.88	3.08	12.40	7.72	13.73	11.16	54.99	S
5	23	90	143	4.7	7.00	23.0	168.0	5.9	0.723	0.070	6.44	7.76	9.37	20.56	42.19	17.53	10.36	G
5	23	90	143	7.7	7.27	33.6	351.4	349.5	0.764	0.136	6.06	6.56	1.37	13.54	32.82	47.67	4.60	G
5	23	90	143	10.7	7.00	16.1	171.9	13.2	0.848	0.076	6.06	6.24	4.03	13.37	31.77	41.41	9.42	G
5	23	90	143	13.7	6.72	52.5	168.9	15.2	0.877	0.065	4.05	4.20	8.20	5.27	11.06	50.67	24.81	S
5	23	90	143	16.7	6.95	7.6	175.1	189.1	0.811	0.098	3.85	3.51	6.74	7.79	13.31	17.08	55.07	S
5	23	90	143	19.7	7.29	64.5	4.5	8.9	0.743	0.093	5.75	8.83	7.33	18.88	22.64	32.10	19.04	G
5	23	90	143	22.7	7.12	25.7	17.0	1.0	0.667	0.060	6.78	8.83	5.74	32.58	23.79	23.67	14.22	G
5	24	90	144	1.7	6.73	43.6	167.5	18.3	0.910	0.053	5.28	4.20	7.36	8.20	10.73	66.78	6.91	S
5	24	90	144	4.7	6.72	28.5	176.6	4.3	0.781	0.027	5.42	9.48	10.90	16.32	17.65	21.92	33.21	G
5	24	90	144	7.7	7.10	42.1	352.8	7.3	0.727	0.107	5.33	9.48	1.99	15.58	21.45	33.89	27.08	G
5	24	90	144	10.7	7.01	18.2	41.3	15.6	0.898	0.069	6.36	8.26	7.73	35.01	19.52	17.29	20.45	G
5	24	90	144	13.7	6.66	47.6	152.0	17.2	0.891	0.064	5.39	8.83	22.57	20.59	21.77	14.46	20.62	S
5	24	90	144	16.7	6.76	34.6	164.7	17.1	0.860	0.033	5.51	7.31	11.86	23.56	21.80	17.01	25.78	S
5	24	90	144	19.7	7.25	67.0	5.1	7.4	0.707	0.072	7.16	5.22	29.62	7.96	19.11	34.12	9.19	G
5	24	90	144	22.7	7.19	50.9	13.2	198.0	0.743	0.044	7.16	8.26	27.64	21.04	14.79	24.17	12.36	G
5	25	90	145	1.7	6.86	36.8	173.5	20.7	0.834	0.041	9.66	12.19	39.04	36.55	6.66	7.44	10.30	S
5	25	90	145	4.7	6.70	47.9	171.6	18.2	0.924	0.026	4.70	3.32	23.70	10.08	5.84	11.68	48.69	S
5	25	90	145	7.7	7.10	23.8	349.3	18.2	0.710	0.062	6.83	8.26	3.60	24.58	42.79	23.61	5.41	G
5	25	90	145	10.7	7.16	27.5	352.7	4.7	0.693	0.066	6.10	7.76	5.41	18.82	33.34	27.19	15.25	G
5	25	90	145	13.7	6.82	31.3	170.4	18.9	0.779	0.067	6.24	5.69	12.55	18.35	17.60	36.74	14.76	G
5	25	90	145	16.7	6.71	39.7	170.9	16.6	0.890	0.182	4.08	4.20	5.29	1.66	2.62	58.52	31.91	S
5	25	90	145	19.7	7.15	37.3	352.4	358.0	0.827	0.248	3.92	4.06	3.65	3.50	4.43	47.19	41.22	G
5	25	90	145	22.7	7.24	60.0	11.5	8.0	0.724	0.069	4.27	3.41	20.03	15.01	10.60	11.76	42.60	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	26	90	146	1.7	6.96	14.7	163.0	2.0	0.707	0.079	3.66	3.41	10.99	9.60	2.83	8.43	68.16	G
5	26	90	146	4.7	6.60	38.2	168.7	10.4	0.835	0.403	4.30	4.06	1.85	0.52	0.63	86.05	10.95	G
5	26	90	146	7.7	6.85	20.3	314.0	358.4	0.854	0.310	4.15	4.06	2.50	4.72	3.24	59.73	29.80	G
5	26	90	146	10.7	7.13	28.9	355.6	11.7	0.730	0.167	4.23	3.71	8.34	14.16	4.07	28.29	45.15	G
5	26	90	146	13.7	6.91	37.6	202.0	12.7	0.747	0.087	6.24	13.47	36.41	10.43	5.23	15.83	32.11	G
5	26	90	146	16.7	6.67	50.9	170.3	23.1	0.910	0.055	5.28	4.49	25.70	9.36	2.88	37.76	24.31	S
5	26	90	146	19.7	7.00	23.2	162.7	4.9	0.787	0.114	5.60	10.24	10.04	31.09	7.00	26.61	25.26	S
5	26	90	146	22.7	7.48	35.3	351.3	15.6	0.802	0.114	5.12	11.13	31.22	13.89	7.80	17.40	29.69	S
5	27	90	147	1.7	7.14	20.3	44.5	6.8	0.870	0.101	4.74	4.06	10.17	12.54	5.13	39.20	32.96	S
5	27	90	147	4.7	6.78	44.5	164.8	20.4	0.930	0.182	3.59	3.94	2.73	0.74	0.96	14.12	81.45	S
5	27	90	147	7.7	6.90	26.5	179.2	198.8	0.849	0.221	3.89	4.20	4.22	3.48	6.12	37.81	48.37	S
5	27	90	147	10.7	7.23	41.7	354.7	188.0	0.879	0.322	4.27	4.20	4.25	3.45	7.93	62.88	21.50	G
5	27	90	147	13.7	7.09	23.1	42.7	183.8	0.757	0.142	4.79	4.06	10.36	12.63	10.71	28.18	38.12	G
5	27	90	147	16.7	6.82	30.5	158.2	18.1	0.846	0.055	4.47	11.13	15.26	20.92	8.48	10.97	44.37	S
5	27	90	147	19.7	6.92	19.3	169.0	5.7	0.759	0.057	6.36	5.95	8.72	21.47	26.98	29.91	12.91	G
5	27	90	147	22.7	7.31	56.3	6.4	13.8	0.805	0.113	5.60	6.24	4.99	3.82	35.29	48.06	7.84	S
5	28	90	148	1.7	7.22	37.4	11.9	12.2	0.723	0.054	6.78	8.83	11.80	33.18	25.83	14.94	14.26	G
5	28	90	148	4.7	6.94	34.9	165.5	11.8	0.781	0.039	7.26	9.48	15.65	40.76	13.70	16.35	13.53	G
5	28	90	148	7.7	6.87	38.1	167.7	18.9	0.918	0.077	4.57	6.92	3.62	6.15	25.01	38.92	26.29	S
5	28	90	148	10.7	7.22	16.0	9.2	2.3	0.655	0.123	5.31	6.24	2.98	4.34	34.41	37.69	20.58	G
5	28	90	148	13.7	7.20	27.6	11.3	18.2	0.837	0.101	4.43	7.31	7.38	11.16	19.04	17.74	44.68	S
5	28	90	148	16.7	6.91	26.4	158.8	19.4	0.747	0.086	3.61	3.24	8.96	4.07	3.74	19.65	63.58	S
5	28	90	148	19.7	6.86	36.7	172.3	21.4	0.901	0.094	3.41	3.51	3.83	2.31	3.19	8.30	82.38	S
5	28	90	148	22.7	7.22	32.6	354.8	0.1	0.647	0.159	3.94	3.32	4.85	4.87	13.28	21.14	55.86	G
5	29	90	149	1.7	7.24	38.3	12.6	358.9	0.654	0.153	3.75	3.51	4.42	2.27	7.47	23.05	62.79	S
5	29	90	149	4.7	7.03	16.0	145.7	349.8	0.788	0.183	3.95	3.71	4.62	3.27	6.34	32.69	53.08	G
5	29	90	149	7.7	6.82	43.0	170.0	0.6	0.813	0.127	4.23	3.82	11.36	2.46	4.30	35.43	46.45	G
5	29	90	149	10.7	7.06	1.0	313.1	353.9	0.868	0.141	4.49	4.06	10.42	4.05	10.81	43.77	30.95	G
5	29	90	149	13.7	7.28	27.0	341.9	349.4	0.783	0.156	4.90	5.22	5.28	6.16	17.55	51.75	19.26	G
5	29	90	149	16.7	7.05	17.4	202.5	182.9	0.772	0.102	4.00	3.82	12.18	7.07	8.42	17.95	54.38	S
5	29	90	149	19.7	6.83	46.5	169.1	9.3	0.892	0.089	3.51	3.32	4.89	1.94	1.94	13.43	77.80	S
5	29	90	149	22.7	7.01	18.0	170.1	199.0	0.895	0.174	3.79	3.61	5.60	3.10	4.00	32.55	54.75	S
5	30	90	150	1.7	7.23	25.7	359.0	188.1	0.910	0.339	4.38	4.49	4.00	3.09	3.99	66.06	22.87	G
5	30	90	150	4.7	7.01	20.4	152.8	201.5	0.885	0.488	4.45	4.83	3.34	1.25	2.44	76.54	16.43	G
5	30	90	150	7.7	6.82	35.3	168.1	199.3	0.898	0.265	4.00	4.65	2.85	1.44	4.13	56.58	34.99	S
5	30	90	150	10.7	6.93	11.6	179.1	207.0	0.868	0.313	4.38	4.49	3.04	1.70	2.69	72.95	19.61	S
5	30	90	150	13.7	7.16	40.3	0.1	195.1	0.816	0.219	4.49	5.02	5.11	8.43	3.00	64.86	18.60	S
5	30	90	150	16.7	7.02	19.5	32.0	195.2	0.904	0.155	4.41	4.20	7.17	18.82	2.52	46.39	25.10	S
5	30	90	150	19.7	6.82	24.8	156.0	196.1	0.840	0.118	4.05	3.71	5.11	11.56	1.32	25.75	56.27	S
5	30	90	150	22.7	6.85	25.3	175.3	15.1	0.834	0.113	5.22	5.02	10.71	12.77	3.38	57.86	15.29	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	31	90	151	1.7	7.16	33.8	355.1	19.2	0.842	0.064	6.65	8.83	16.61	27.82	22.67	19.61	13.29	S
5	31	90	151	4.7	7.15	12.9	49.3	16.6	0.860	0.072	4.97	8.83	17.49	37.35	6.54	4.69	33.92	S
5	31	90	151	7.7	6.89	28.5	158.0	198.5	0.791	0.129	4.00	3.71	6.68	4.81	7.49	33.63	47.39	S
5	31	90	151	10.7	6.87	30.6	169.1	17.8	0.911	0.062	4.23	4.34	14.48	10.45	6.34	27.31	41.43	S
5	31	90	151	13.7	7.16	21.2	0.6	350.4	0.796	0.095	7.37	7.76	11.44	15.68	53.14	12.54	7.21	G
5	31	90	151	16.7	7.11	29.4	13.6	19.3	0.744	0.070	6.87	8.26	18.64	28.43	26.89	14.76	11.28	G
5	31	90	151	19.7	6.90	18.1	156.8	18.2	0.814	0.079	4.47	9.48	15.27	25.02	5.42	5.85	48.43	G
5	31	90	151	22.7	6.81	24.9	172.9	13.5	0.858	0.106	3.85	3.71	8.62	8.34	6.07	15.92	61.06	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	90	152	1.7	7.06	9.8	352.4	14.1	0.851	0.112	5.48	7.76	12.67	19.83	19.05	20.96	27.50	S
6	1	90	152	4.7	7.05	23.5	8.8	22.1	0.868	0.073	5.63	8.83	20.56	30.52	11.60	9.82	27.49	S
6	1	90	152	7.7	6.85	20.9	171.2	21.8	0.907	0.064	6.40	4.06	38.73	14.69	2.79	14.58	29.20	S
6	1	90	152	10.7	6.77	26.2	171.8	20.6	0.953	0.043	4.49	3.32	18.31	15.34	5.92	18.59	41.84	S
6	1	90	152	13.7	7.00	15.2	32.3	8.0	0.861	0.074	6.06	6.24	16.19	7.99	38.47	12.21	25.14	G
6	1	90	152	16.7	7.08	40.9	6.6	15.4	0.892	0.117	3.98	3.08	23.19	8.31	6.25	6.68	55.57	S
6	1	90	152	19.7	6.90	7.3	50.7	8.6	0.776	0.175	3.67	3.71	3.63	2.86	1.53	12.67	79.31	S
6	1	90	152	22.7	6.70	28.0	167.2	19.1	0.945	0.138	4.03	3.82	8.41	3.25	2.60	36.48	49.27	S
6	2	90	153	1.7	6.88	7.4	220.6	4.6	0.818	0.153	4.08	4.06	8.60	2.38	7.02	38.70	43.31	S
6	2	90	153	4.7	7.01	27.6	340.2	356.1	0.740	0.118	3.72	3.71	11.81	3.55	5.30	9.97	69.37	G
6	2	90	153	7.7	6.85	18.5	197.2	20.7	0.852	0.091	4.74	3.61	22.62	14.26	6.75	8.64	47.72	G
6	2	90	153	10.7	6.66	25.5	167.9	20.9	0.945	0.070	4.25	4.06	9.91	3.32	5.28	50.27	31.22	S
6	2	90	153	13.7	6.81	18.4	161.3	20.5	0.878	0.064	5.31	13.47	24.90	8.63	10.98	12.32	43.17	S
6	2	90	153	16.7	7.04	26.9	348.1	16.7	0.814	0.093	4.88	4.83	14.73	6.30	18.83	34.45	25.69	G
6	2	90	153	19.7	6.90	20.9	27.6	17.1	0.839	0.090	4.53	4.20	12.70	13.85	8.22	32.87	32.37	S
6	2	90	153	22.7	6.66	24.7	162.6	15.9	0.901	0.137	3.75	3.82	7.03	0.93	1.21	22.96	67.87	S
6	3	90	154	1.7	6.65	13.8	164.6	1.4	0.828	0.322	4.13	4.49	1.64	1.11	2.05	69.49	25.71	S
6	3	90	154	4.7	6.85	30.8	346.9	0.5	0.796	0.229	4.00	4.20	3.91	1.61	3.19	43.29	48.00	G
6	3	90	154	7.7	6.79	10.2	35.1	357.2	0.792	0.238	3.95	4.20	2.72	1.53	1.47	57.51	36.78	S
6	3	90	154	10.7	6.54	27.0	181.2	19.2	0.875	0.245	4.06	4.83	3.29	1.30	1.04	60.58	33.79	S
6	3	90	154	13.7	6.61	15.8	178.1	13.2	0.869	0.140	3.98	3.94	10.24	2.80	3.64	40.94	42.38	S
6	3	90	154	16.7	6.90	30.3	351.4	10.6	0.837	0.110	4.00	4.06	8.52	4.31	4.66	30.75	51.77	S
6	3	90	154	19.7	6.84	19.4	12.5	15.4	0.805	0.091	4.59	8.83	11.42	13.40	10.85	28.27	36.06	S
6	3	90	154	22.7	6.59	23.4	168.7	17.6	0.904	0.115	3.72	3.61	5.30	2.16	3.45	27.76	61.34	S
6	4	90	155	1.7	6.46	29.0	173.0	13.2	0.918	0.321	4.39	4.65	1.06	0.54	0.67	86.23	11.51	S
6	4	90	155	4.7	6.69	6.4	348.3	11.8	0.883	0.171	4.03	3.94	5.28	2.26	6.95	39.53	45.98	G
6	4	90	155	7.7	6.74	12.7	2.3	14.8	0.836	0.125	4.39	4.20	3.26	6.07	20.65	34.21	35.81	S
6	4	90	155	10.7	6.50	23.2	149.5	13.7	0.752	0.071	4.65	4.83	4.12	8.49	5.61	59.05	22.72	G
6	4	90	155	13.7	6.48	23.6	163.2	20.4	0.933	0.052	5.25	7.76	6.46	11.25	19.72	36.95	25.61	S
6	4	90	155	16.7	6.88	5.9	189.5	204.7	0.901	0.487	4.30	4.20	3.79	0.84	1.98	72.93	20.47	G
6	4	90	155	19.7	6.98	14.4	12.3	194.1	0.937	0.459	4.57	4.65	1.10	2.80	3.52	78.55	14.02	G
6	4	90	155	22.7	6.69	20.3	146.8	199.8	0.910	0.411	4.21	4.49	3.45	1.44	1.71	63.67	29.73	G
6	5	90	156	1.7	6.53	28.2	160.4	202.1	0.918	0.319	3.92	4.49	3.33	0.84	1.28	54.62	39.93	S
6	5	90	156	4.7	6.76	6.1	4.9	200.8	0.939	0.430	4.34	4.34	2.93	0.75	1.84	74.85	19.64	G
6	5	90	156	7.7	6.91	19.7	11.4	199.0	0.906	0.530	4.70	4.83	1.64	0.61	1.38	83.95	12.42	G
6	5	90	156	10.7	6.73	8.3	93.4	199.1	0.897	0.197	4.20	4.34	2.98	2.39	3.73	61.39	29.51	S
6	5	90	156	13.7	6.60	20.7	154.8	20.4	0.910	0.090	3.66	3.41	4.14	4.23	5.41	15.87	70.36	S
6	5	90	156	16.7	6.90	15.3	2.1	196.8	0.880	0.083	4.63	3.71	4.40	8.38	22.01	23.21	42.00	G
6	5	90	156	19.7	6.99	48.4	15.7	20.6	0.928	0.058	5.95	6.24	10.94	13.38	28.13	19.18	28.37	S
6	5	90	156	22.7	6.87	10.2	49.1	19.1	0.861	0.042	5.85	9.48	15.46	24.99	11.00	26.26	22.28	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
6	6	90	157	1.7	6.65	27.2	162.1	16.1	0.895	0.143	3.82	4.06	3.58	2.52	2.47	35.58	55.86	S
6	6	90	157	4.7	6.79	11.3	172.3	11.3	0.900	0.211	4.05	3.82	4.50	2.26	5.74	37.10	50.40	S
6	6	90	157	7.7	6.97	28.0	359.6	16.7	0.866	0.131	3.81	3.41	4.76	3.88	7.99	14.68	68.68	S
6	6	90	157	10.7	6.81	10.0	148.4	13.7	0.889	0.120	3.81	3.51	4.64	7.99	2.95	14.66	69.76	S
6	6	90	157	13.7	6.59	24.9	168.0	18.9	0.932	0.155	4.13	4.06	5.72	2.26	2.09	57.42	32.50	S
6	6	90	157	16.7	6.79	5.0	141.7	18.2	0.868	0.123	4.32	7.31	4.33	5.98	26.10	24.05	39.55	S
6	6	90	157	19.7	7.06	33.4	359.0	11.1	0.819	0.107	4.10	4.20	5.49	8.73	5.76	34.94	45.08	S
6	6	90	157	22.7	6.91	10.6	39.6	19.7	0.908	0.089	4.68	4.34	22.72	10.02	9.10	23.23	34.92	S
6	7	90	158	1.7	6.60	30.3	164.7	15.4	0.884	0.168	3.98	4.06	2.97	1.86	1.52	53.10	40.55	S
6	7	90	158	4.7	6.60	21.2	178.6	14.4	0.870	0.213	4.36	4.49	4.60	1.07	1.26	72.07	20.99	S
6	7	90	158	7.7	6.88	22.1	333.8	13.7	0.828	0.152	3.97	4.20	4.34	3.54	4.76	44.99	42.36	S
6	7	90	158	10.7	6.81	5.6	327.1	0.5	0.771	0.118	4.49	4.65	4.21	8.63	3.58	65.45	18.13	G
6	7	90	158	13.7	6.58	24.8	156.7	355.3	0.595	0.065	4.47	4.83	3.57	8.87	4.65	68.34	14.57	G
6	7	90	158	16.7	6.69	23.6	156.7	18.1	0.882	0.039	5.79	7.76	8.66	18.00	24.59	24.98	23.77	S
6	7	90	158	19.7	7.02	33.1	358.2	9.1	0.741	0.100	5.09	4.65	2.96	6.61	15.85	59.86	14.72	G
6	7	90	158	22.7	6.96	35.4	10.9	17.8	0.806	0.061	5.60	5.02	9.02	19.31	8.43	40.98	22.27	G
6	8	90	159	1.7	6.68	24.2	168.2	203.1	0.811	0.156	5.12	5.02	1.85	1.95	1.30	91.04	3.86	S
6	8	90	159	4.7	6.65	25.3	171.0	19.2	0.943	0.032	6.83	7.31	9.24	23.65	24.38	28.05	14.68	S
6	8	90	159	7.7	6.93	22.6	354.0	3.9	0.746	0.096	5.28	4.34	5.12	9.79	12.40	64.57	8.12	G
6	8	90	159	10.7	6.93	22.9	12.3	19.0	0.795	0.065	5.92	6.92	8.59	25.84	21.04	29.47	15.06	G
6	8	90	159	13.7	6.69	13.4	158.1	18.4	0.879	0.145	3.72	3.82	3.74	3.30	2.87	23.86	66.23	S
6	8	90	159	16.7	6.72	11.3	150.8	12.2	0.878	0.247	3.98	4.20	8.15	2.46	2.26	55.92	31.21	S
6	8	90	159	19.7	7.02	32.7	0.5	14.7	0.820	0.134	3.75	3.94	3.35	2.04	5.11	12.63	76.87	S
6	8	90	159	22.7	7.05	27.0	13.8	18.4	0.873	0.070	3.82	3.41	9.14	14.35	5.38	11.94	59.19	S
6	9	90	160	1.7	6.74	18.3	167.2	17.9	0.890	0.062	4.41	3.82	15.74	11.38	2.89	21.32	48.66	S
6	9	90	160	4.7	6.68	26.6	179.0	20.3	0.943	0.092	4.11	3.94	7.09	2.63	1.95	32.50	55.83	S
6	9	90	160	7.7	6.91	11.0	334.4	10.7	0.838	0.101	4.18	3.71	8.45	7.10	6.70	34.35	43.39	G
6	9	90	160	10.7	7.02	24.3	336.8	355.5	0.650	0.090	4.63	3.94	10.86	8.32	8.78	33.47	38.57	G
6	9	90	160	13.7	6.78	23.9	188.8	17.8	0.768	0.072	5.00	3.94	18.16	10.72	9.35	35.54	26.24	G
6	9	90	160	16.7	6.65	23.7	152.0	20.0	0.928	0.035	5.04	5.69	13.19	12.08	8.93	41.23	24.57	S
6	9	90	160	19.7	6.98	21.3	356.4	10.0	0.926	0.064	5.09	5.22	10.06	8.73	17.33	44.04	19.84	G
6	9	90	160	22.7	7.35	13.0	3.8	199.5	0.910	0.726	5.20	5.45	3.01	0.57	6.25	83.00	7.17	G
6	10	90	161	1.7	6.84	13.1	65.7	196.1	0.801	0.112	4.51	3.71	7.32	6.68	8.62	45.54	31.84	G
6	10	90	161	4.7	6.60	28.7	166.7	12.9	0.696	0.032	4.81	3.82	13.80	9.87	10.13	31.34	34.86	G
6	10	90	161	7.7	6.87	1.9	328.5	10.7	0.896	0.093	4.49	4.34	5.75	7.45	16.32	33.69	36.80	G
6	10	90	161	10.7	7.02	30.2	359.9	5.6	0.760	0.074	5.15	5.02	4.76	6.16	19.77	49.95	19.35	G
6	10	90	161	13.7	6.82	12.2	121.3	9.9	0.771	0.084	5.79	6.56	3.86	7.97	48.32	25.10	14.75	G
6	10	90	161	16.7	6.66	28.1	155.9	17.4	0.846	0.048	4.00	6.24	5.31	4.28	22.78	29.59	38.04	S
6	10	90	161	19.7	6.90	3.7	168.6	22.2	0.869	0.075	4.30	5.45	8.75	4.88	15.58	34.59	36.21	G
6	10	90	161	22.7	7.13	36.9	15.8	21.8	0.880	0.098	4.15	3.41	5.16	4.59	10.61	36.32	43.33	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	11	90	162	1.7	7.01	10.8	108.7	199.0	0.897	0.445	4.45	5.02	2.34	0.78	4.18	75.23	17.47	S
6	11	90	162	4.7	6.71	29.4	168.7	198.4	0.908	0.269	4.02	3.82	3.73	1.52	2.59	51.64	40.53	S
6	11	90	162	7.7	6.81	13.1	168.6	205.3	0.930	0.192	3.91	3.94	4.62	1.88	2.27	48.84	42.39	S
6	11	90	162	10.7	7.06	28.5	353.7	198.8	0.915	0.281	4.34	4.20	3.77	1.49	2.43	75.43	16.87	S
6	11	90	162	13.7	6.92	8.6	59.4	200.2	0.905	0.256	4.18	4.34	5.58	2.05	1.64	68.37	22.36	S
6	11	90	162	16.7	6.73	32.3	172.1	196.7	0.857	0.257	3.86	4.06	2.25	0.79	1.25	61.39	34.31	S
6	11	90	162	19.7	6.93	9.8	174.4	207.3	0.885	0.612	4.38	4.65	2.64	0.97	2.30	77.55	16.54	G
6	11	90	162	22.7	7.27	19.9	353.1	199.5	0.904	1.073	5.25	5.69	2.74	1.53	9.85	75.92	9.95	G
6	12	90	163	1.7	7.16	7.9	46.1	204.8	0.913	0.726	5.07	5.22	0.91	0.43	3.62	87.96	7.08	S
6	12	90	163	4.7	6.91	21.0	162.7	208.3	0.880	0.631	4.65	5.02	1.00	0.52	1.37	83.66	13.44	S
6	12	90	163	7.7	6.93	11.4	170.1	201.7	0.890	0.158	4.00	4.06	3.55	1.61	4.73	57.26	32.86	S
6	12	90	163	10.7														M
6	12	90	163	13.0	6.67	24.3	2.7	195.1	0.554	0.270	4.47	4.65	1.25	2.91	3.91	69.54	22.4	G
6	12	90	163	16.0	6.49	22.9	149.3	197.9	0.709	0.308	4.15	4.49	2.54	2.85	2.69	57.17	34.75	G
6	12	90	163	19.0	6.50	35.5	158.0	182.3	0.764	0.189	3.94	4.06	5.15	3.73	4.69	41.22	45.22	G
6	12	90	163	22.0	6.81	43.4	350.2	12.6	0.743	0.137	5.04	3.94	15.55	12.29	18.56	19.95	33.65	G
6	13	90	164	1.0	6.86	42.2	12.8	306.9	0.516	0.096	6.17	7.76	6.76	28.46	33.12	17.35	14.31	G
6	13	90	164	4.0	6.64	29.7	154.6	323.8	0.668	0.087	7.64	11.13	17.67	36.48	14.28	24.15	7.43	G
6	13	90	164	7.0	6.51	60.1	167.5	296.6	0.612	0.098	5.66	4.49	8.66	21.59	10.32	49.15	10.29	S
6	13	90	164	10.0	6.73	23.5	146.6	341.2	0.673	0.137	7.42	9.48	7.09	39.85	22.11	26.21	4.74	G
6	13	90	164	13.0	6.87	34.2	351.2	351.4	0.710	0.193	6.21	5.22	7.34	29.32	9.05	38.22	16.07	G
6	13	90	164	16.0	6.66	22.8	124.9	276.5	0.675	0.109	7.16	10.24	13.65	45.92	13.31	13.82	13.31	S
6	13	90	164	19.0	6.48	58.2	163.7	290.7	0.667	0.106	5.48	10.24	11.07	25.72	12.1	26.13	24.98	S
6	13	90	164	22.0	6.66	25.0	164.3	302.6	0.528	0.119	6.87	8.26	7.62	29.35	30.68	27.06	5.29	G
6	14	90	165	1.0	6.79	35.0	356.9	329.2	0.661	0.163	5.82	9.48	10.14	29.51	20.24	20.52	19.59	G
6	14	90	165	4.0	6.57	12.9	69.8	351.1	0.643	0.091	8.61	13.47	35.39	34.7	10.53	13.71	5.68	G
6	14	90	165	7.0	6.32	56.0	167.0	295.1	0.625	0.075	7.06	12.19	28.14	19.22	6.63	26.15	19.86	G
6	14	90	165	10.0	6.45	37.6	160.4	326.8	0.732	0.130	6.83	9.48	9.46	50.47	12.01	14.21	13.85	G
6	14	90	165	13.0	6.70	34.7	353.9	287.7	0.630	0.176	5.95	5.45	5.58	15.45	14.74	51.96	12.26	G
6	14	90	165	16.0	6.53	23.5	33.7	331.3	0.756	0.128	5.22	9.48	7.86	28.97	12.58	19.85	30.75	S
6	14	90	165	19.0	6.31	50.7	160.1	290.3	0.702	0.135	4.72	3.32	12.18	13.68	11.28	19.54	43.33	S
6	14	90	165	22.0	6.48	16.1	131.2	356.8	0.671	0.122	4.41	11.13	9.03	24.15	9.08	12.48	45.26	G
6	15	90	166	1.0	6.69	50.4	4.7	348.0	0.607	0.130	4.95	10.24	7.39	31.27	14.41	11.56	35.37	G
6	15	90	166	4.0	6.62	24.7	24.4	332.9	0.822	0.089	6.17	8.26	8.15	38.12	18.78	14.72	20.23	G
6	15	90	166	7.0	6.43	47.6	169.1	316.0	0.828	0.091	5.12	9.48	15.65	23.59	10.29	16.65	33.82	G
6	15	90	166	10.0	6.52	40.6	162.5	290.8	0.682	0.097	4.74	8.26	3.93	31.73	16.75	17.09	30.5	S
6	15	90	166	13.0	6.82	23.6	8.9	339.5	0.772	0.124	5.82	8.26	3.04	34.92	18.38	23.45	20.2	G
6	15	90	166	16.0	6.75	27.0	0.4	310.1	0.593	0.103	6.74	9.48	11.44	31.48	17.87	24.55	14.65	G
6	15	90	166	19.0	6.50	44.9	177.3	119.5	0.754	0.061	5.92	11.13	16.69	20.54	16.03	28.2	18.54	S
6	15	90	166	22.0	6.50	46.1	170.2	122.9	0.743	0.041	6.87	9.48	16.88	31.77	17.98	21.56	11.8	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	16	90	167	1.0	6.76	26.5	9.3	352.9	0.828	0.089	6.52	8.26	3.3	35.71	20.88	29.22	10.89	G
6	16	90	167	4.0	6.72	32.4	4.8	316.6	0.660	0.088	6.56	8.83	4.32	38.18	22.6	20.72	14.17	G
6	16	90	167	7.0	6.45	42.9	158.7	126.6	0.718	0.056	5.99	10.24	19.06	26.61	20.24	15.19	18.9	S
6	16	90	167	10.0	6.39	56.3	168.1	120.5	0.687	0.054	5.04	9.48	6.2	26.4	10.71	27.65	29.04	S
6	16	90	167	13.0	6.72	24.0	17.2	259.6	0.733	0.108	6.87	8.83	3.86	31.94	30.21	24.75	9.24	S
6	16	90	167	16.0	6.76	53.6	9.2	341.2	0.667	0.088	6.24	9.48	6.13	40.8	15.06	21.66	16.35	G
6	16	90	167	19.0	6.55	10.8	129.6	335.4	0.689	0.059	6.87	8.83	10.47	47.3	8.94	16.72	16.57	G
6	16	90	167	22.0	6.39	57.2	165.4	135.5	0.792	0.067	5.6	9.48	10.57	26.43	15.73	26.39	20.88	S
6	17	90	168	1.0	6.62	17.8	185.8	266.0	0.613	0.089	6.74	7.76	2.08	27.6	51.06	13.79	5.47	G
6	17	90	168	4.0	6.72	44.2	1.2	319.0	0.686	0.087	6.61	7.76	4.37	32.97	30.65	21.83	10.17	G
6	17	90	168	7.0	6.51	13.7	134.2	339.5	0.730	0.063	7.88	11.13	4.68	48.19	20.55	22.82	3.75	G
6	17	90	168	10.0	6.36	61.4	163.6	128.2	0.752	0.059	4.76	4.65	10.33	10.15	10.73	43.91	24.88	S
6	17	90	168	13.0	6.62	10.7	150.4	348.9	0.610	0.071	7.01	7.76	5.93	27.21	31.72	27.44	7.7	G
6	17	90	168	16.0	6.82	64.7	9.7	265.0	0.579	0.090	6.24	8.26	6.36	36.81	21.33	19.17	16.33	S
6	17	90	168	19.0	6.64	26.2	28.8	37.3	0.524	0.077	6.92	8.26	4.3	46.19	21.73	18.73	9.05	G
6	17	90	168	22.0	6.37	56.8	164.5	114.2	0.687	0.139	5.17	8.26	16.5	18.06	11.25	26.16	28.03	S
6	18	90	169	1.0	6.46	49.7	176.0	315.4	0.719	0.075	6.4	7.76	3.92	37.6	29.03	9.24	20.22	S
6	18	90	169	4.0	6.70	52.7	356.1	142.5	0.721	0.253	6.52	7.76	24.28	10.34	20.1	30.01	15.26	S
6	18	90	169	7.0	6.51	17.7	48.8	289.3	0.719	0.069	7.16	10.24	6.97	56.33	11.1	15.61	9.98	G
6	18	90	169	10.0	6.26	57.4	167.8	129.7	0.718	0.056	4.95	9.48	6.03	28.29	10.93	16.8	37.95	G
6	18	90	169	13.0	6.39	26.0	155.7	324.2	0.681	0.181	4	3.51	4.91	14.33	8.59	10.67	61.5	S
6	18	90	169	16.0	6.71	68.2	356.1	335.3	0.652	0.331	3.92	3.71	6.14	6.81	12.03	19.25	55.77	G
6	18	90	169	19.0	6.64	33.9	5.7	323.1	0.656	0.225	4	3.51	5.08	13.35	4.73	14.73	62.1	G
6	18	90	169	22.0	6.34	60.9	177.2	320.0	0.539	0.248	5.75	12.19	16.85	17	16.84	29.98	19.32	S
6	19	90	170	1.0	6.29	54.7	171.9	129.6	0.683	0.057	6.13	9.48	7.05	33.18	7.84	27.56	24.37	S
6	19	90	170	4.0	6.57	12.3	49.0	345.8	0.659	0.100	6.74	8.83	3.03	38.92	28.76	16.2	13.09	G
6	19	90	170	7.0	6.53	35.0	342.6	282.4	0.651	0.144	6.1	9.48	23.34	25.16	13.34	16.12	22.04	G
6	19	90	170	10.0	6.23	58.3	172.1	273.5	0.654	0.154	5.48	7.76	13.04	21.44	18.84	24.89	21.79	G
6	19	90	170	13.0	6.25	55.8	170.2	131.6	0.832	0.049	5.82	8.83	7.68	28.49	18.79	24.16	20.87	S
6	19	90	170	16.0	6.64	38.2	347.4	266.5	0.691	0.104	6.97	8.26	2.18	35.67	32.19	24.15	5.81	S
6	19	90	170	19.0	6.71	55.0	9.0	178.8	0.728	0.146	4.95	9.48	3.32	21.59	12.71	43.87	18.51	G
6	19	90	170	22.0	6.45	21.0	147.0	255.6	0.583	0.076	5.31	10.24	9.32	23.63	9.33	29.24	28.48	S
6	20	90	171	1.0	6.24	79.7	171.1	110.3	0.686	0.069	3.94	4.83	12.76	11.59	4.25	25.54	45.86	S
6	20	90	171	4.0	6.47	10.6	132.8	133.7	0.579	0.154	3.74	3.82	4.96	8.16	3.61	14.99	68.28	S
6	20	90	171	7.0	6.66	38.0	347.6	192.0	0.748	0.205	4.3	4.34	2.97	5.08	6.07	51.36	34.51	G
6	20	90	171	10.0	6.36	10.9	148.0	138.7	0.577	0.119	3.81	3.51	5.48	13.22	3.88	13.09	64.33	G
6	20	90	171	13.0	6.17	60.2	168.5	130.7	0.777	0.053	3.86	3.16	11.2	14.05	4.89	13.2	56.66	S
6	20	90	171	16.0	6.54	23.6	6.7	357.9	0.602	0.093	6.56	7.76	1.89	20.16	47.74	21.28	8.93	G
6	20	90	171	19.0	6.75	83.6	6.9	26.7	0.586	0.097	6.83	8.83	7.69	34.51	19.18	24.57	14.06	S
6	20	90	171	22.0	6.55	25.6	17.9	347.9	0.644	0.068	7.37	8.26	16.35	54	9.12	7.18	13.35	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	90	172	1.0	6.20	56.0	170.7	328.2	0.603	0.147	3.82	4.06	7.48	6.77	2.01	30.18	53.57	S
6	21	90	172	4.0	6.31	24.9	197.1	345.5	0.670	0.172	3.86	3.71	2.2	7.35	5.76	25.7	58.99	G
6	21	90	172	7.0	6.63	46.5	334.7	345.6	0.798	0.162	4.11	3.41	7.34	7.95	10.85	17.84	56.02	G
6	21	90	172	10.0	6.50	10.5	260.0	1.4	0.781	0.144	5.51	4.65	8.44	28.07	7.17	33.16	23.16	G
6	21	90	172	13.0	6.22	62.4	162.2	207.2	0.535	0.091	4.3	3.82	8.51	6.63	8.56	22.01	54.3	G
6	21	90	172	16.0	6.40	56.9	166.6	76.6	0.594	0.066	6.4	5.45	11.63	13.09	9.85	48.82	16.61	G
6	21	90	172	19.0	6.84	54.6	357.5	327.5	0.652	0.127	4.97	3.82	3.79	5.12	21.46	43.5	26.12	G
6	21	90	172	22.0	6.70	43.1	23.8	14.4	0.744	0.080	6.44	8.26	12.93	33.67	9.04	24.14	20.22	G
6	22	90	173	1.0	6.32	52.6	167.9	145.0	0.734	0.032	7.26	9.48	16.48	39.07	10.45	18.93	15.06	S
6	22	90	173	4.0	6.29	51.6	173.7	128.0	0.658	0.044	6.17	8.83	20.12	23.74	15.43	16.85	23.86	S
6	22	90	173	7.0	6.68	32.7	0.3	331.8	0.694	0.090	6.65	6.92	5.59	14.3	52.14	24.8	3.17	G
6	22	90	173	10.0	6.62	33.8	352.4	324.1	0.640	0.117	5.04	4.06	3.87	13.12	18.42	44.67	19.92	G
6	22	90	173	13.0	6.27	45.5	156.4	133.8	0.727	0.054	5.25	5.45	10.9	17.4	12.97	38.71	20.02	S
6	22	90	173	16.0	6.24	44.4	171.5	340.2	0.708	0.205	3.98	3.41	12.39	0.94	1.46	34.85	50.38	S
6	22	90	173	19.0	6.67	50.3	347.8	352.0	0.683	0.142	4.11	3.61	6.33	4.89	15.31	20.89	52.57	G
6	22	90	173	22.0	6.70	56.6	9.7	7.3	0.738	0.082	3.94	8.26	10.94	16.02	16.31	13.06	43.67	G
6	23	90	174	1.0	6.36	24.5	156.6	332.0	0.690	0.094	3.7	3.16	12.7	14.47	7.42	4.98	60.43	G
6	23	90	174	4.0	6.17	59.7	172.1	352.5	0.746	0.125	3.95	4.06	4.68	4.71	0.8	52.89	36.92	G
6	23	90	174	7.0	6.50	15.0	341.2	353.9	0.751	0.197	4.16	3.94	5.83	3.46	6.88	30.88	52.95	G
6	23	90	174	10.0	6.69	35.0	0.9	335.5	0.601	0.139	4.2	3.41	8.28	14.74	6.82	20.9	49.27	G
6	23	90	174	13.0	6.35	38.5	196.3	354.8	0.739	0.068	5.42	4.65	9.17	15.19	12.66	43.12	19.86	G
6	23	90	174	16.0	6.15	73.1	170.0	148.1	0.614	0.054	4.92	4.49	14.36	9.22	12.62	29.33	34.46	G
6	23	90	174	19.0	6.58	10.5	22.7	1.3	0.765	0.102	6.32	8.26	5.57	19.94	34.76	27.24	12.49	G
6	23	90	174	22.0	6.81	60.3	6.4	358.4	0.668	0.136	4.83	6.56	5.06	10.85	19.54	39.08	25.47	G
6	24	90	175	1.0	6.53	15.8	76.1	325.8	0.825	0.083	5.54	8.26	5.02	23.85	11.21	41.2	18.71	G
6	24	90	175	4.0	6.20	60.0	171.5	158.8	0.832	0.068	4.18	3.71	5.68	5.62	3.75	40.91	44.03	S
6	24	90	175	7.0	6.41	22.0	190.9	6.8	0.845	0.054	6.17	13.47	20.85	14.24	22.88	13.6	28.43	G
6	24	90	175	10.0	6.73	46.0	339.6	318.6	0.541	0.090	5.99	6.92	6.32	16.26	28.89	35.84	12.69	S
6	24	90	175	13.0	6.51	10.6	105.5	320.3	0.651	0.082	6.44	7.76	7.45	21.39	30.49	27.57	13.1	G
6	24	90	175	16.0	6.24	53.9	165.3	148.6	0.768	0.046	5.09	9.48	8.8	13.55	15.5	30.67	31.48	S
6	24	90	175	19.0	6.47	33.2	170.5	148.9	0.809	0.057	6.36	6.24	16.08	18.01	29.61	27.59	8.72	G
6	24	90	175	22.0	6.87	49.5	2.0	352.4	0.711	0.126	4.9	5.22	9.47	12.85	15.29	42.85	19.53	G
6	25	90	176	1.0	6.68	19.1	351.5	335.5	0.671	0.073	6.24	8.83	10.36	34.67	11.68	26.14	17.15	G
6	25	90	176	4.0	6.37	69.9	171.2	142.2	0.605	0.109	3.45	3.61	3.56	3.66	0.93	15.66	76.19	S
6	25	90	176	7.0	6.38	40.8	172.1	151.6	0.562	0.077	3.53	3.71	6.47	3.29	3.64	20.28	66.33	G
6	25	90	176	10.0	6.74	30.7	340.8	10.0	0.750	0.138	5.2	5.69	3.28	6.03	19.13	46.28	25.28	G
6	25	90	176	13.0	6.69	24.2	23.7	277.4	0.602	0.090	6.36	6.92	25.54	18.82	22.94	15.8	16.89	G
6	25	90	176	16.0	6.36	43.4	166.3	149.3	0.797	0.049	6.4	6.56	17.67	16.15	21.13	28.17	16.87	S
6	25	90	176	19.0	6.33	39.5	175.1	329.4	0.697	0.060	3.76	3.24	8.11	5.7	12.44	8.96	64.79	S
6	25	90	176	22.0	6.77	48.4	352.5	340.1	0.807	0.146	4.28	6.92	4.19	4.33	23.87	29.12	38.48	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
6	26	90	177	1.0	6.73	37.2	12.9	358.9	0.732	0.082	5.85	7.76	3.29	27.18	31.54	20.09	17.89	G
6	26	90	177	4.0	6.43	33.8	168.2	355.2	0.679	0.037	7.53	9.48	9.49	47.43	22.24	10.24	10.6	G
6	26	90	177	7.0	6.28	57.5	170.1	341.7	0.627	0.026	5.99	7.31	15.97	17.53	23.17	9.21	34.11	G
6	26	90	177	10.0	6.63	21.6	358.8	357.9	0.771	0.093	6.17	5.95	2.08	9.6	27.81	57.1	3.42	G
6	26	90	177	13.0	6.70	39.4	9.3	352.8	0.759	0.135	3.89	5.02	6.28	8.35	7.75	30.36	47.26	G
6	26	90	177	16.0	6.43	19.8	151.2	328.8	0.733	0.110	3.75	3.32	7.45	12.32	7.73	10.93	61.56	G
6	26	90	177	19.0	6.23	48.7	166.5	333.3	0.805	0.170	3.85	3.71	2.3	2.68	1.68	33.91	59.43	S
6	26	90	177	22.0	6.60	19.7	4.9	342.5	0.768	0.170	3.82	3.61	3.85	3.92	17.75	16.41	58.08	G
6	27	90	178	1.0	6.72	38.6	10.7	1.5	0.713	0.076	5.2	5.45	8.26	17.57	22.79	27.83	23.55	G
6	27	90	178	4.0	6.48	20.0	155.5	350.6	0.757	0.052	6.28	7.76	8.55	33.43	28.38	14.83	14.81	G
6	27	90	178	7.0	6.28	57.1	170.9	346.9	0.542	0.035	5.04	2.94	25.07	16.53	8.27	13.87	36.27	G
6	27	90	178	10.0	6.50	12.8	172.9	357.2	0.691	0.086	5.17	5.95	5.82	6.87	25.02	36.42	25.88	G
6	27	90	178	13.0	6.71	42.7	341.8	357.7	0.599	0.133	5.07	4.65	5.19	6.12	9.2	66.9	12.59	G
6	27	90	178	16.0	6.50	10.2	65.4	308.8	0.702	0.126	3.76	3.01	11.86	10.59	4.66	15.15	57.73	G
6	27	90	178	19.0	6.26	35.2	167.0	341.2	0.827	0.428	4.2	4.49	2.12	0.96	0.9	74.25	21.76	G
6	27	90	178	22.0	6.46	10.2	157.7	335.6	0.865	0.274	4.03	4.2	3.17	0.83	3.05	63.75	29.2	G
6	28	90	179	1.0	6.72	29.4	5.4	3.6	0.664	0.114	4.03	3.61	7.48	8.94	9.37	26.85	47.36	G
6	28	90	179	4.0	6.55	4.8	105.5	345.9	0.714	0.072	5.17	6.56	6.87	21.72	23.69	23.1	24.62	G
6	28	90	179	7.0	6.30	52.9	170.2	347.1	0.671	0.073	4.81	4.65	3.13	2.65	6.91	76.58	10.72	G
6	28	90	179	10.0	6.38	41.4	164.5	323.7	0.761	0.087	5.02	4.34	2.66	4.98	13.93	65.86	12.57	G
6	28	90	179	13.0	6.70	30.3	342.6	323.9	0.647	0.148	5.31	4.65	1.92	2.1	15.39	70.09	10.5	G
6	28	90	179	16.0	6.60	18.3	24.9	12.9	0.654	0.088	6.24	5.69	10.73	7.98	24.37	47.71	9.21	G
6	28	90	179	19.0	6.31	34.1	165.5	331.0	0.725	0.098	4.79	4.34	2.98	7.58	9.53	61.73	18.17	G
6	28	90	179	22.0	6.33	23.9	166.9	322.3	0.778	0.120	5.51	6.56	8.76	8.1	41.28	13.19	28.67	G
6	29	90	180	1.0	6.61	29.8	343.6	347.0	0.704	0.097	4.39	6.92	11.02	5.36	26.22	27.7	29.7	G
6	29	90	180	4.0	6.55	20.6	20.3	352.3	0.662	0.087	5.82	4.06	7.58	21.17	12.48	42.98	15.79	G
6	29	90	180	7.0	6.28	35.9	176.9	276.3	0.699	0.070	5.39	8.26	13.67	20.83	19.83	18.82	26.85	G
6	29	90	180	10.0	6.28	42.1	170.3	321.6	0.852	0.117	5.31	4.49	2.94	6.06	21.3	55.43	14.27	S
6	29	90	180	13.0	6.59	25.1	347.7	329.5	0.792	0.109	5.72	6.24	2.19	1.85	31.8	55.92	8.24	G
6	29	90	180	16.0	6.61	34.9	9.6	0.9	0.641	0.088	6.17	6.56	11.28	13.88	28.34	30.79	15.71	G
6	29	90	180	19.0	6.38	18.1	163.3	286.9	0.899	0.056	6.21	8.26	7.12	16.96	31.43	24.98	19.51	G
6	29	90	180	22.0	6.29	34.2	173.3	339.9	0.686	0.046	6.52	6.92	10.04	9.13	50.55	18.68	11.6	G
6	30	90	181	1.0	6.48	5.0	296.1	353.4	0.751	0.153	3.91	3.82	5.09	5.01	12.4	26.43	51.07	G
6	30	90	181	4.0	6.54	20.6	321.8	344.1	0.731	0.145	4.25	4.2	10.48	5.31	7.88	40.67	35.65	G
6	30	90	181	7.0	6.31	29.3	184.4	340.5	0.804	0.155	7.16	9.48	44.13	15.78	7.24	14.72	18.13	G
6	30	90	181	10.0	6.23	67.8	172.1	329.4	0.660	0.052	5.2	5.22	8.86	9.72	12.59	48.59	20.24	G
6	30	90	181	13.0	6.49	7.9	131.4	17.9	0.759	0.114	5.54	5.69	4.62	7.58	9.38	65.01	13.41	G
6	30	90	181	16.0	6.62	31.4	356.3	347.4	0.709	0.090	5.22	5.22	6.63	10.08	22.97	34.23	26.1	G
6	30	90	181	19.0	6.44	5.6	337.2	292.1	0.569	0.052	6.1	9.48	17.49	26.45	13.5	22.56	20	G
6	30	90	181	22.0	6.26	29.9	177.0	339.6	0.725	0.062	7.16	5.45	28.64	19.28	13.89	26.34	11.84	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	1	90	182	1.0	6.36	18.2	217.2	349.6	0.701	0.094	4.61	3.16	14.95	12.76	11.77	12.21	48.31	G
7	1	90	182	4.0	6.56	24.2	327.1	351.3	0.812	0.100	4.55	3.32	20.85	6.97	8.76	12.44	50.97	G
7	1	90	182	7.0	6.39	12.8	315.4	342.4	0.756	0.062	7.70	8.26	29.61	31.93	7.36	6.57	24.53	G
7	1	90	182	10.0	6.26	42.9	162.3	310.8	0.637	0.101	5.69	4.34	29.33	7.97	13.84	30.02	18.85	G
7	1	90	182	13.0	6.45	22.2	178.6	211.8	0.644	0.107	4.90	4.49	9.47	6.45	13.14	56.67	14.28	G
7	1	90	182	16.0	6.64	29.1	341.2	150.6	0.856	0.076	6.56	8.83	20.44	21.61	25.60	15.18	17.17	S
7	1	90	182	19.0	6.61	11.0	1.0	176.6	0.808	0.131	4.36	3.94	7.84	9.30	4.34	43.18	35.35	G
7	1	90	182	22.0	6.36	18.4	161.4	180.1	0.684	0.073	4.38	3.61	13.56	9.22	6.04	24.94	46.24	G
7	2	90	183	1.0	6.44	17.1	169.2	348.6	0.676	0.058	6.56	4.20	17.48	20.24	22.33	24.21	15.75	G
7	2	90	183	4.0	6.63	2.9	234.2	194.7	0.724	0.150	3.89	3.51	8.97	8.81	5.04	13.38	63.79	G
7	2	90	183	7.0	6.69	5.7	190.6	204.2	0.869	0.498	4.55	4.83	2.42	0.95	1.58	80.13	14.92	G
7	2	90	183	10.0	6.45	38.9	171.4	188.4	0.742	0.217	4.02	4.20	3.20	1.18	0.97	55.55	39.10	G
7	2	90	183	13.0	6.52	43.2	174.4	183.1	0.747	0.161	3.82	3.94	8.83	2.25	2.30	24.73	61.88	G
7	2	90	183	16.0	6.81	22.6	346.3	184.9	0.847	0.235	4.13	4.34	5.06	3.19	3.27	57.99	30.49	G
7	2	90	183	19.0	6.74	29.1	16.8	190.5	0.917	0.272	4.55	4.65	1.92	1.98	1.45	80.39	14.26	G
7	2	90	183	22.0	6.53	8.6	123.8	161.3	0.836	0.072	4.38	4.06	9.04	17.78	12.23	23.14	37.80	S
7	3	90	184	1.0	6.47	22.2	172.3	325.4	0.752	0.046	5.45	8.26	24.59	18.73	12.37	15.43	28.89	G
7	3	90	184	4.0	6.70	9.0	353.0	218.8	0.553	0.106	5.31	4.65	3.29	6.92	15.89	69.70	4.20	G
7	3	90	184	7.0	6.72	21.4	334.7	161.2	0.909	0.068	6.87	5.69	7.39	12.16	35.45	36.83	8.17	S
7	3	90	184	10.0	6.56	20.3	170.9	310.8	0.768	0.059	6.28	7.76	7.10	15.91	45.13	24.72	7.14	G
7	3	90	184	13.0	6.50	34.4	164.3	134.6	0.842	0.058	7.42	7.31	28.29	15.38	29.06	16.85	10.42	G
7	3	90	184	16.0	6.77	8.1	330.2	345.6	0.805	0.131	3.78	3.32	4.22	5.43	16.03	15.41	58.90	G
7	3	90	184	19.0	6.79	32.5	8.6	344.4	0.774	0.202	3.53	3.51	2.17	4.15	2.08	18.71	72.89	S
7	3	90	184	22.0	6.58	9.8	167.4	336.0	0.727	0.246	4.32	3.94	24.96	7.14	4.24	16.64	47.01	G
7	4	90	185	1.0	6.38	36.5	191.0	0.7	0.888	0.528	4.32	4.34	1.54	1.05	0.93	78.46	18.02	G
7	4	90	185	4.0	6.50	12.7	194.8	354.5	0.884	0.374	4.47	4.65	2.17	1.81	2.32	76.57	17.13	G
7	4	90	185	7.0	6.60	4.0	85.5	356.2	0.769	0.196	4.08	3.51	5.21	10.10	3.46	31.87	49.37	G
7	4	90	185	10.0	6.38	28.4	163.4	335.5	0.810	0.132	4.61	3.94	12.07	7.53	1.72	38.52	40.16	G
7	4	90	185	13.0	6.23	43.9	176.1	356.8	0.780	0.125	4.43	4.49	3.54	6.40	2.49	58.06	29.51	G
7	4	90	185	16.0	6.41	13.5	171.4	335.9	0.728	0.157	5.22	8.26	2.07	29.69	11.04	38.30	18.90	G
7	4	90	185	19.0	6.59	25.7	348.0	348.1	0.730	0.149	5.12	8.26	3.21	32.55	10.13	10.48	43.63	G
7	4	90	185	22.0	6.39	23.1	35.4	352.8	0.705	0.103	5.31	9.48	3.64	44.65	9.44	7.06	35.21	G
7	5	90	186	1.0	6.10	32.5	169.5	339.1	0.702	0.096	3.92	3.61	4.19	11.87	2.45	18.43	63.07	G
7	5	90	186	4.0	6.19	19.7	179.9	348.0	0.682	0.109	4.43	3.61	4.42	18.18	4.85	34.11	38.44	G
7	5	90	186	7.0	6.35	21.9	330.8	4.1	0.708	0.112	4.72	3.82	3.81	19.49	7.82	29.30	39.58	G
7	5	90	186	10.0	6.22	3.3	112.3	309.1	0.658	0.093	4.85	4.83	5.25	17.98	2.99	50.21	23.57	G
7	5	90	186	13.0	6.03	28.2	164.9	346.2	0.611	0.058	5.02	4.49	6.91	13.05	4.55	52.97	22.51	G
7	5	90	186	16.0	6.23	5.3	145.2	352.0	0.657	0.070	6.78	8.26	7.71	42.16	16.54	17.73	15.85	G
7	5	90	186	19.0	6.52	28.0	357.0	352.2	0.689	0.087	7.37	8.83	45.23	13.89	12.98	14.39	13.51	G
7	5	90	186	22.0	6.50	15.8	18.9	163.3	0.759	0.159	4.88	3.71	20.54	10.13	1.70	30.70	36.92	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
7	6	90	187	1.0	6.17	21.2	168,7	143.3	0.700	0.065	4.16	10.24	14.02	20.74	2.26	20.16	42.82	S
7	6	90	187	4.0	6.21	28.5	172.4	349.8	0.619	0.066	7.64	36.57	41.73	26.26	8.93	8.87	14.21	G
7	6	90	187	7.0	6.50	17.9	351.9	355.0	0.726	0.088	5.42	8.26	10.32	30.83	11.17	16.75	30.93	G
7	6	90	187	10.0	6.48	8.7	12.6	169.6	0.705	0.080	4.65	9.48	11.14	23.41	5.07	16.58	43.79	G
7	6	90	187	13.0	6.25	30.4	158.7	159.9	0.730	0.086	3.68	3.16	14.41	10.45	5.03	12.14	57.97	G
7	6	90	187	16.0	6.39	21.3	175.7	154.9	0.610	0.088	3.97	3.16	19.47	7.59	11.35	6.35	55.23	G
7	6	90	187	19.0	6.73	30.3	352.4	156.3	0.836	0.073	5.51	8.26	27.14	11.73	12.49	25.99	22.65	S
7	6	90	187	22.0	6.66	28.5	6.4	212.3	0.664	0.074	4.13	3.61	11.81	16.90	7.39	12.78	51.11	G
7	7	90	188	1.0	6.49	15.7	174.5	164.8	0.653	0.083	4.25	3.94	11.12	14.93	3.90	21.86	48.19	G
7	7	90	188	4.0	6.45	25.2	171.8	147.8	0.813	0.072	5.22	28.44	48.85	12.07	2.20	5.59	31.28	G
7	7	90	188	7.0	6.79	7.2	105.5	166.2	0.627	0.137	4.81	17.07	28.57	6.16	8.10	9.37	47.80	G
7	7	90	188	10.0	6.79	13.2	6.0	153.5	0.840	0.104	4.15	3.71	13.70	9.47	9.65	22.18	45.00	S
7	7	90	188	13.0	6.56	22.0	161.5	138.7	0.825	0.091	3.81	3.32	12.08	8.18	9.33	17.42	52.99	S
7	7	90	188	16.0	6.48	45.4	171.9	181.2	0.726	0.061	3.53	2.81	13.53	5.78	8.84	19.34	52.51	S
7	7	90	188	19.0	6.82	9.9	359.7	326.7	0.792	0.117	4.13	3.01	15.68	8.42	6.91	27.31	41.67	S
7	7	90	188	22.0	6.85	28.4	6.7	0.1	0.582	0.105	3.64	3.16	7.83	9.28	5.35	17.88	59.67	G
7	8	90	189	1.0	6.61	8.7	140.8	335.9	0.764	0.113	4.15	5.95	7.68	7.57	7.56	29.83	47.37	G
7	8	90	189	4.0	6.42	39.5	165.2	327.4	0.712	0.098	3.74	3.51	5.79	5.08	7.91	20.50	60.73	G
7	8	90	189	7.0	6.68	6.7	167.9	342.8	0.630	0.119	4.63	5.22	7.84	7.73	13.09	37.79	33.56	G
7	8	90	189	10.0	6.76	20.0	331.9	330.1	0.811	0.141	3.88	3.08	6.83	5.51	12.94	22.05	52.66	G
7	8	90	189	13.0	6.52	15.1	153.9	328.1	0.822	0.146	4.10	3.41	10.82	3.42	7.32	26.42	52.02	G
7	8	90	189	16.0	6.34	24.1	166.7	347.6	0.890	0.352	4.25	4.34	1.62	1.13	1.71	75.19	20.35	G
7	8	90	189	19.0	6.59	16.8	344.1	333.5	0.872	0.553	4.25	4.34	2.75	1.02	1.61	74.59	20.04	G
7	8	90	189	22.0	6.70	30.9	2.7	342.4	0.751	0.223	3.74	3.71	4.14	3.12	6.20	22.14	64.40	G
7	9	90	190	1.0	6.50	2.9	136.7	339.2	0.829	0.161	3.85	3.41	4.26	6.12	7.11	21.25	61.26	S
7	9	90	190	4.0	6.26	29.3	177.3	358.0	0.882	0.227	4.16	4.20	2.47	1.38	3.68	53.63	38.84	G
7	9	90	190	7.0	6.41	18.7	195.7	5.6	0.840	0.266	4.05	4.34	3.08	3.14	1.88	54.12	37.78	G
7	9	90	190	10.0														G
7	9	90	190	13.8	6.28	39.1	187.1	333.4	0.731	0.135	5.51	4.06	17.65	3.37	8.39	40.58	30.00	G
7	9	90	190	16.8	6.15	63.7	179.1	2.8	0.901	0.055	5.15	4.06	12.92	9.26	15.82	39.84	22.16	S
7	9	90	190	19.8	6.40	8.5	180.0	16.9	0.730	0.112	4.97	5.22	6.17	7.64	10.26	53.30	22.63	S
7	9	90	190	22.8	6.57	35.5	358.1	1.3	0.950	0.122	5.22	4.34	4.27	6.39	12.03	57.19	20.13	S
7	10	90	191	1.8	6.31	17.4	75.9	36.7	0.614	0.087	6.10	6.92	7.09	8.46	31.61	40.65	12.18	G
7	10	90	191	4.8	6.08	58.4	186.8	349.8	0.862	0.058	5.09	5.02	8.81	7.36	15.55	36.05	32.24	S
7	10	90	191	7.8	6.27	17.2	173.3	12.3	0.812	0.073	6.21	8.83	18.50	19.02	11.86	28.41	22.20	G
7	10	90	191	10.8	6.50	43.9	352.7	0.5	0.928	0.111	5.02	4.65	6.08	10.70	11.39	53.41	18.42	S
7	10	90	191	13.8	6.32	10.1	89.2	333.6	0.590	0.078	5.75	6.92	13.52	17.91	22.23	29.12	17.22	G
7	10	90	191	16.8	6.10	47.3	170.2	174.9	0.924	0.047	6.06	6.24	8.13	12.13	31.40	34.79	13.55	S
7	10	90	191	19.8	6.36	6.3	127.8	52.5	0.822	0.077	6.13	8.26	8.43	30.39	24.94	26.71	9.53	S
7	10	90	191	22.8	6.58	65.5	2.5	13.8	0.932	0.066	5.92	9.48	13.30	29.93	8.37	31.04	17.36	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
7	11	90	192	1.8	6.44	16.8	17.7	185.4	0.800	0.099	5.07	3.61	23.42	13.21	5.41	24.23	33.73	G
7	11	90	192	4.8	6.15	57.3	188.5	1.4	0.810	0.099	3.89	3.41	7.82	8.82	6.81	16.05	60.50	S
7	11	90	192	7.8	6.32	25.4	195.5	9.6	0.909	0.086	4.83	9.48	13.92	20.90	9.25	14.18	41.75	S
7	11	90	192	10.8	6.61	41.0	341.0	3.5	0.969	0.076	5.22	8.26	12.19	25.44	12.16	22.59	27.62	S
7	11	90	192	13.8	6.49	16.8	1.1	354.7	0.785	0.083	6.92	9.48	14.48	27.54	16.57	20.62	20.79	G
7	11	90	192	16.8	6.28	48.0	160.3	169.3	0.899	0.098	4.21	7.31	13.17	11.38	17.09	26.13	32.23	S
7	11	90	192	19.8	6.35	38.6	182.2	5.5	0.819	0.055	6.87	9.48	23.92	27.79	10.48	14.43	23.37	G
7	11	90	192	22.8	6.66	44.0	354.8	0.4	0.956	0.089	5.36	8.26	11.94	26.78	9.35	20.96	30.96	S
7	12	90	193	1.8	6.53	37.9	8.7	2.8	0.909	0.068	5.09	10.24	14.78	32.35	11.57	15.26	26.04	S
7	12	90	193	4.8	6.27	40.2	187.6	357.7	0.881	0.268	4.11	3.82	11.85	6.70	5.88	20.80	54.77	S
7	12	90	193	7.8	6.34	38.4	197.8	2.8	0.842	0.349	4.36	4.49	2.29	1.86	1.73	70.47	23.65	G
7	12	90	193	10.8	6.66	36.5	340.0	1.1	0.867	0.163	4.39	3.94	12.95	10.57	5.35	27.51	43.62	S
7	12	90	193	13.8	6.62	29.1	9.0	1.0	0.908	0.095	4.70	3.41	10.47	19.21	12.14	14.94	43.23	S
7	12	90	193	16.8	6.34	44.4	199.6	358.5	0.859	0.141	3.97	3.94	7.12	3.29	5.81	31.04	52.74	G
7	12	90	193	19.8	6.36	45.3	186.8	357.6	0.885	0.211	4.68	4.20	10.70	2.99	2.40	61.30	22.62	G
7	12	90	193	22.8	6.64	21.2	2.0	1.7	0.883	0.130	4.55	5.22	7.78	12.50	12.24	34.48	32.99	G
7	13	90	194	1.8	6.67	30.9	11.0	358.5	0.936	0.177	4.25	4.34	4.93	13.61	10.50	33.07	37.89	S
7	13	90	194	4.8	6.44	42.7	178.8	348.4	0.836	0.139	4.43	4.06	5.16	14.35	4.37	45.11	31.01	S
7	13	90	194	7.8	6.35	66.9	181.4	349.3	0.829	0.098	4.55	4.49	5.23	11.30	6.29	47.23	29.94	S
7	13	90	194	10.8	6.71	0.8	103.5	2.4	0.897	0.188	5.04	8.26	4.70	19.83	18.33	25.83	31.32	G
7	13	90	194	13.8	6.74	28.7	2.5	358.5	0.946	0.131	4.74	9.48	5.88	16.02	13.68	29.78	34.64	S
7	13	90	194	16.8	6.59	11.9	132.4	352.3	0.845	0.074	7.06	4.65	30.99	14.62	9.65	35.00	9.75	G
7	13	90	194	19.8	6.45	40.9	169.8	177.5	0.878	0.095	3.57	3.08	7.47	12.29	4.25	11.09	64.89	S
7	13	90	194	22.8	6.72	16.7	24.6	0.3	0.888	0.108	4.53	4.83	7.33	20.23	16.13	19.75	36.56	G
7	14	90	195	1.8	6.78	42.3	5.8	1.4	0.929	0.086	6.06	8.83	7.39	26.80	23.62	21.66	20.54	S
7	14	90	195	4.8	6.57	9.8	126.1	7.3	0.899	0.076	5.85	8.83	9.14	24.93	11.58	27.99	26.35	S
7	14	90	195	7.8	6.39	51.0	180.5	352.9	0.842	0.123	3.97	3.41	5.33	5.37	7.49	25.70	56.10	G
7	14	90	195	10.8	6.64	11.3	154.2	356.3	0.869	0.350	4.03	3.71	5.02	3.94	7.69	34.60	48.75	S
7	14	90	195	13.8	6.81	60.9	6.7	348.2	0.761	0.215	3.68	3.71	5.84	7.18	4.24	14.48	68.26	S
7	14	90	195	16.8	6.63	9.4	36.4	340.6	0.651	0.202	3.81	3.94	5.12	6.07	3.94	17.15	67.72	S
7	14	90	195	19.8	6.43	48.7	178.0	349.8	0.875	0.237	4.03	3.94	2.80	2.85	2.86	32.89	58.61	S
7	14	90	195	22.8	6.53	25.4	190.1	1.0	0.844	0.151	4.10	3.71	5.78	7.57	9.17	21.58	55.90	G
7	15	90	196	1.8	6.75	36.2	344.2	358.6	0.916	0.190	3.98	3.51	5.33	8.95	11.81	23.57	50.34	S
7	15	90	196	4.8	6.57	3.0	43.0	5.0	0.648	0.205	3.85	3.71	4.17	5.63	10.90	21.15	58.15	S
7	15	90	196	7.8	6.34	49.4	182.4	358.1	0.884	0.320	4.27	4.20	2.37	2.16	2.22	71.62	21.63	G
7	15	90	196	10.8	6.46	21.0	193.4	2.5	0.895	0.292	4.36	4.49	2.17	2.40	3.02	73.75	18.66	G
7	15	90	196	13.8	6.77	54.3	359.3	2.8	0.899	0.190	4.21	3.51	3.65	6.20	12.22	32.69	45.24	S
7	15	90	196	16.8	6.67	23.2	22.6	356.5	0.847	0.205	3.97	3.82	3.45	8.37	9.60	31.20	47.38	S
7	15	90	196	19.8	6.39	40.4	183.4	351.8	0.906	0.298	4.18	4.06	2.33	2.70	1.57	61.59	31.82	S
7	15	90	196	22.8	6.35	43.6	184.8	358.4	0.879	0.325	4.32	4.06	1.64	1.07	1.92	76.59	18.79	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
7	16	90	197	1.8	6.64	21.5	340.0	359.7	0.919	0.211	4.03	4.20	4.76	4.93	6.77	43.29	40.25	S
7	16	90	197	4.8	6.65	11.9	333.8	351.9	0.840	0.169	4.36	4.06	4.82	7.24	9.79	39.55	38.60	G
7	16	90	197	7.8	6.40	50.8	167.8	348.1	0.898	0.105	4.83	5.02	2.16	2.59	4.29	79.22	11.75	S
7	16	90	197	10.8	6.34	64.2	180.4	2.2	0.895	0.091	4.76	5.45	5.08	3.52	2.86	74.16	14.38	S
7	16	90	197	13.8	6.70	25.0	19.2	357.8	0.965	0.123	5.02	4.20	8.06	12.55	12.34	53.29	13.76	S
7	16	90	197	16.8	6.70	58.5	8.4	5.7	0.925	0.094	5.69	8.26	9.14	32.13	7.57	29.27	21.89	S
7	16	90	197	19.8	6.48	12.7	148.3	354.8	0.904	0.089	4.38	3.24	13.78	16.19	7.69	17.51	44.83	S
7	16	90	197	22.8	6.30	58.5	182.8	353.9	0.853	0.051	5.25	4.65	19.19	14.35	14.26	24.27	27.93	S
7	17	90	198	1.8	6.52	5.6	22.4	3.7	0.914	0.053	7.06	7.76	20.84	20.80	25.17	24.40	8.78	G
7	17	90	198	4.8	6.61	43.1	5.0	0.8	0.895	0.080	6.02	8.83	14.08	17.44	11.44	31.69	25.35	S
7	17	90	198	7.8	6.41	25.4	164.5	358.0	0.858	0.059	6.17	17.07	21.72	18.62	14.42	29.52	15.73	G
7	17	90	198	10.8	6.28	55.0	182.4	3.2	0.750	0.032	6.83	5.45	23.11	12.75	10.79	33.87	19.48	G
7	17	90	198	13.8	6.60	1.1	55.9	351.4	0.841	0.131	5.42	12.19	16.91	3.44	9.37	50.83	19.45	G
7	17	90	198	16.8	6.73	65.5	5.2	6.5	0.810	0.077	4.36	8.83	20.92	13.08	12.59	18.87	34.54	G
7	17	90	198	19.8	6.57	15.1	40.6	2.1	0.607	0.066	5.00	15.06	25.23	13.74	11.63	10.25	39.14	G
7	17	90	198	22.8	6.32	56.3	178.4	15.3	0.923	0.059	6.56	36.57	61.65	7.63	2.81	10.41	17.50	S
7	18	90	199	1.8	6.40	29.3	189.3	0.7	0.888	0.046	7.53	12.19	38.65	15.55	12.61	21.86	11.32	G
7	18	90	199	4.8	6.62	40.4	353.3	356.0	0.875	0.058	6.69	13.47	24.44	15.19	16.06	34.82	9.49	G
7	18	90	199	7.8	6.50	5.7	72.6	3.3	0.772	0.064	6.87	13.47	19.53	18.38	23.66	24.35	14.07	G
7	18	90	199	10.8	6.27	48.8	177.9	18.8	0.910	0.049	5.12	4.06	13.84	6.90	8.25	52.23	18.77	S
7	18	90	199	13.8	6.39	26.7	188.6	355.1	0.825	0.097	6.74	7.76	4.41	13.50	53.07	22.08	6.94	G
7	18	90	199	16.8	6.69	71.4	0.0	9.2	0.878	0.093	3.91	3.24	7.33	9.36	17.36	15.68	50.26	S
7	18	90	199	19.8	6.61	43.5	12.4	5.1	0.859	0.111	3.95	5.45	5.24	10.40	9.19	27.50	47.67	S
7	18	90	199	22.8	6.34	38.6	185.6	351.3	0.774	0.075	3.75	3.32	8.84	10.34	10.43	10.79	59.59	G
7	19	90	200	1.8	6.26	49.2	183.1	20.3	0.898	0.090	3.81	3.61	6.00	6.23	7.10	9.96	70.71	S
7	19	90	200	4.8	6.58	22.8	347.1	355.6	0.875	0.122	4.11	4.20	6.98	7.47	18.70	32.87	33.99	G
7	19	90	200	7.8	6.59	23.7	9.8	356.0	0.900	0.085	5.99	6.24	10.35	10.04	29.03	26.25	24.33	G
7	19	90	200	10.8	6.33	46.8	193.5	342.6	0.712	0.044	5.99	13.47	21.17	16.41	17.96	15.38	29.08	G
7	19	90	200	13.8	6.25	63.6	182.0	349.0	0.821	0.091	3.94	4.06	6.17	2.52	4.26	43.34	43.71	G
7	19	90	200	16.8	6.68	39.2	358.2	358.8	0.916	0.158	3.92	3.41	5.32	4.14	10.12	22.16	58.25	S
7	19	90	200	19.8	6.69	51.1	12.7	3.8	0.862	0.134	3.82	3.24	7.87	9.72	14.87	10.89	56.64	S
7	19	90	200	22.8	6.43	29.6	179.4	357.4	0.735	0.055	5.99	8.26	14.21	33.87	17.00	14.32	20.60	G
7	20	90	201	1.8	6.23	68.5	182.6	14.3	0.880	0.034	5.28	4.06	20.65	11.80	7.11	38.49	21.94	S
7	20	90	201	4.8	6.45	7.0	245.8	356.4	0.839	0.101	4.92	6.56	6.99	9.18	34.97	16.16	32.70	G
7	20	90	201	7.8	6.60	50.2	4.6	353.4	0.817	0.095	4.70	3.82	9.71	9.33	19.09	19.57	42.31	G
7	20	90	201	10.8	6.32	28.4	200.6	15.9	0.763	0.076	5.51	6.92	11.11	12.67	27.67	17.60	30.95	G
7	20	90	201	13.8	6.12	67.0	182.7	15.9	0.858	0.098	3.94	3.51	10.39	4.58	3.72	25.15	56.17	S
7	20	90	201	16.8	6.45	6.3	342.8	3.3	0.865	0.164	4.47	3.82	6.73	7.02	14.00	29.29	42.96	G
7	20	90	201	19.8	6.69	69.1	10.1	12.5	0.751	0.097	4.15	3.08	9.28	6.56	9.10	33.02	42.03	G
7	20	90	201	22.8	6.51	12.7	43.8	348.2	0.699	0.075	4.95	7.76	14.12	15.15	19.54	22.02	29.17	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
7	21	90	202	1.8	6.17	61.1	185.1	355.8	0.774	0.094	3.91	3.71	8.14	3.91	3.62	29.45	54.88	G
7	21	90	202	4.8	6.25	30.3	190.7	3.7	0.865	0.168	4.25	4.34	3.47	3.26	2.90	57.34	33.03	G
7	21	90	202	7.8	6.59	48.2	355.4	355.8	0.802	0.097	4.90	4.49	5.53	10.37	16.10	38.64	29.35	G
7	21	90	202	10.8	6.44	12.6	63.7	342.0	0.836	0.088	5.12	4.06	18.18	7.25	12.97	45.24	16.37	G
7	21	90	202	13.8	6.12	64.8	174.0	353.4	0.724	0.054	5.25	4.49	11.51	10.64	10.14	48.20	19.51	G
7	21	90	202	16.8	6.30	31.1	180.4	178.6	0.865	0.075	5.82	7.31	12.70	19.88	26.04	23.58	17.80	G
7	21	90	202	19.8	6.82	58.9	5.3	168.6	0.800	0.138	3.70	3.41	14.96	3.37	3.47	14.07	64.14	G
7	21	90	202	22.8	6.58	37.7	17.5	9.6	0.761	0.074	4.57	4.49	10.93	5.23	3.81	52.36	27.67	G
7	22	90	203	1.8	6.27	51.0	175.8	8.7	0.822	0.043	5.28	12.19	22.22	9.13	18.08	23.19	27.38	G
7	22	90	203	4.8	6.26	49.4	184.7	0.6	0.793	0.057	5.15	5.95	8.98	8.51	13.76	34.83	33.93	G
7	22	90	203	7.8	6.65	44.6	355.1	356.7	0.859	0.079	5.42	4.83	6.60	15.31	14.78	53.48	9.84	G
7	22	90	203	10.8	6.61	30.0	19.9	1.3	0.792	0.063	5.31	7.76	13.11	8.65	20.51	33.09	24.64	G
7	22	90	203	13.8	6.30	49.0	176.3	8.4	0.839	0.079	5.48	4.49	16.69	13.18	14.28	31.31	24.54	G
7	22	90	203	16.8	6.26	51.0	183.9	13.3	0.912	0.059	4.30	4.65	11.52	9.58	5.28	30.13	43.49	S
7	22	90	203	19.8	6.74	47.0	354.3	358.2	0.857	0.127	3.61	3.24	5.06	3.54	6.22	16.51	68.68	G
7	22	90	203	22.8	6.72	50.2	11.8	4.3	0.737	0.050	5.02	7.31	21.36	11.49	24.78	15.36	27.01	G
7	23	90	204	1.8	6.43	35.1	174.3	344.7	0.798	0.045	6.78	8.26	24.54	27.73	8.55	20.99	18.19	G
7	23	90	204	4.8	6.27	63.8	183.9	1.6	0.773	0.031	5.92	4.83	22.98	8.31	8.85	39.00	20.86	G
7	23	90	204	7.8	6.64	22.0	357.1	7.4	0.853	0.082	5.22	3.16	14.36	17.05	17.76	10.86	39.96	G
7	23	90	204	10.8	6.74	46.9	7.9	3.0	0.753	0.079	5.17	6.56	15.09	13.46	23.61	20.51	27.33	G
7	23	90	204	13.8	6.45	33.3	188.2	20.3	0.901	0.087	5.85	4.83	16.17	19.55	12.64	39.89	11.75	G
7	23	90	204	16.8	6.28	63.8	180.5	8.2	0.929	0.048	4.88	4.34	16.71	11.63	9.44	24.78	37.43	S
7	23	90	204	19.8	6.71	14.8	44.2	357.4	0.735	0.104	5.17	3.61	15.58	15.52	21.11	14.87	32.92	G
7	23	90	204	22.8	6.88	44.0	8.3	182.8	0.797	0.114	3.79	3.51	10.92	4.95	4.50	16.46	63.17	G
7	24	90	205	1.8	6.64	36.8	162.5	194.1	0.872	0.422	4.18	4.49	3.77	0.80	1.63	69.31	24.49	G
7	24	90	205	4.8	6.34	80.3	180.1	200.0	0.819	0.265	3.82	3.82	3.81	1.05	0.57	49.71	44.87	G
7	24	90	205	7.8	6.56	11.1	182.2	198.7	0.819	0.135	3.72	3.71	7.20	4.53	3.32	16.98	67.98	G
7	24	90	205	10.8	6.81	53.9	5.8	191.0	0.837	0.219	4.11	4.20	5.82	3.14	4.15	48.51	38.37	G
7	24	90	205	13.8	6.60	15.7	55.9	193.1	0.770	0.133	3.91	3.61	9.30	10.27	2.59	14.04	63.81	G
7	24	90	205	16.8	6.31	74.8	178.5	171.9	0.805	0.084	3.40	3.32	10.07	3.82	3.04	9.48	73.59	S
7	24	90	205	19.8	6.53	18.8	172.2	203.6	0.735	0.102	4.13	15.06	18.61	5.99	14.90	10.56	49.94	G
7	24	90	205	22.8	6.80	60.8	7.3	180.4	0.840	0.120	4.08	3.82	12.10	6.53	5.69	21.50	54.19	G
7	25	90	206	1.8	6.64	20.4	31.4	192.5	0.786	0.109	4.55	4.83	13.78	12.89	5.12	33.43	34.78	G
7	25	90	206	4.8	6.36	63.1	181.6	14.7	0.863	0.051	4.25	17.07	25.04	11.54	7.68	8.31	47.42	S
7	25	90	206	7.8	6.48	33.1	186.8	14.2	0.730	0.080	4.18	8.83	11.56	18.55	15.89	7.83	46.16	G
7	25	90	206	10.8	6.85	46.3	359.0	181.8	0.819	0.097	4.51	3.32	16.22	9.05	14.55	19.67	40.52	G
7	25	90	206	13.8	6.73	22.4	26.1	184.2	0.768	0.081	4.28	17.07	17.52	19.46	9.76	8.89	44.37	G
7	25	90	206	16.8	6.47	58.2	173.7	165.2	0.790	0.071	3.40	2.88	8.69	11.98	7.57	11.51	60.25	G
7	25	90	206	19.8	6.49	50.8	182.3	192.7	0.834	0.132	3.82	4.20	6.21	6.19	4.60	34.43	48.57	G
7	25	90	206	22.8	6.81	40.8	356.4	359.2	0.814	0.113	5.25	3.71	10.25	7.20	16.79	43.73	22.02	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	90	207	1.8	6.73	30.0	20.1	355.3	0.693	0.066	7.21	15.06	18.73	27.23	24.04	15.95	14.05	G
7	26	90	207	4.8	6.48	45.3	172.2	171.2	0.786	0.089	3.52	3.08	7.57	11.00	5.74	9.60	66.09	G
7	26	90	207	7.8	6.46	76.6	184.2	194.9	0.863	0.159	3.46	3.16	4.16	1.35	2.54	4.96	86.99	S
7	26	90	207	10.8	6.85	21.9	358.6	201.3	0.814	0.194	4.16	3.94	4.74	2.22	17.04	37.49	38.50	G
7	26	90	207	13.8	6.87	26.3	22.8	192.1	0.838	0.221	4.18	4.06	5.09	5.02	10.61	48.53	30.75	G
7	26	90	207	16.8	6.62	32.6	167.8	213.3	0.834	0.398	4.00	4.49	2.12	3.12	2.45	68.13	24.17	G
7	26	90	207	19.8	6.54	43.9	183.2	206.5	0.789	0.239	3.98	3.71	2.44	7.51	13.21	26.56	50.28	G
7	26	90	207	22.8	6.82	22.3	351.5	12.4	0.797	0.227	4.92	3.82	3.41	4.78	26.78	23.20	41.82	G
7	27	90	208	1.8	6.84	28.0	20.8	193.7	0.848	0.306	4.28	4.20	2.52	9.95	11.63	46.06	29.85	G
7	27	90	208	4.8	6.60	29.8	161.3	199.5	0.846	0.406	4.20	4.65	1.84	2.80	2.67	76.81	15.88	G
7	27	90	208	7.8	6.49	66.4	181.1	201.1	0.785	0.199	3.82	3.82	3.93	3.28	8.62	23.16	61.00	G
7	27	90	208	10.8	6.79	10.2	202.0	3.2	0.832	0.172	5.09	6.92	4.39	5.99	30.63	30.09	28.90	G
7	27	90	208	13.8	6.87	40.5	9.0	350.7	0.820	0.179	6.06	8.26	2.77	24.77	32.13	23.69	16.63	G
7	27	90	208	16.8	6.69	14.2	134.4	350.0	0.743	0.122	6.32	8.83	4.91	36.82	18.21	22.10	17.96	G
7	27	90	208	19.8	6.50	59.5	175.1	195.6	0.682	0.152	4.27	5.69	4.66	8.22	8.70	40.35	38.06	G
7	27	90	208	22.8	6.68	19.3	180.3	11.8	0.732	0.177	4.76	6.92	2.98	7.69	38.72	15.58	35.03	G
7	28	90	209	1.8	6.80	32.5	5.4	359.0	0.799	0.158	5.09	7.76	3.64	10.38	24.17	35.37	26.44	G
7	28	90	209	4.8	6.62	15.5	146.2	358.0	0.730	0.111	5.36	8.83	5.08	25.32	20.60	13.47	35.54	G
7	28	90	209	7.8	6.48	55.1	183.1	198.9	0.744	0.097	3.75	3.16	4.80	12.02	13.10	9.34	60.73	G
7	28	90	209	10.8	6.68	27.8	196.0	196.8	0.877	0.144	3.89	3.41	3.49	2.53	15.01	17.13	61.84	G
7	28	90	209	13.8	6.87	50.9	2.2	178.6	0.751	0.143	4.74	7.76	4.23	3.10	36.11	22.58	33.98	G
7	28	90	209	16.8	6.76	17.2	36.1	193.1	0.767	0.169	4.55	3.71	3.27	17.19	11.30	14.04	54.20	G
7	28	90	209	19.8	6.56	37.3	168.5	174.9	0.824	0.138	4.23	8.83	3.70	22.78	12.83	9.30	51.39	G
7	28	90	209	22.8	6.63	30.9	179.3	8.0	0.852	0.160	4.32	7.76	4.00	9.29	31.69	8.84	46.17	G
7	29	90	210	1.8	6.80	35.7	353.2	353.3	0.826	0.154	5.42	7.31	3.90	15.50	23.65	35.08	21.88	G
7	29	90	210	4.8	6.68	11.7	25.6	350.1	0.743	0.114	6.06	8.83	3.77	27.45	24.33	24.89	19.56	G
7	29	90	210	7.8	6.50	52.6	176.5	337.1	0.801	0.110	5.79	8.26	27.16	16.63	12.85	25.07	18.30	G
7	29	90	210	10.8	6.60	41.5	176.4	354.9	0.829	0.097	6.83	7.76	4.81	17.08	49.36	23.11	5.63	G
7	29	90	210	13.8	6.88	36.4	352.9	3.8	0.853	0.160	6.69	7.76	4.04	30.02	40.94	17.78	7.21	G
7	29	90	210	16.8	6.82	32.2	26.6	5.5	0.685	0.168	5.63	8.83	8.95	32.47	17.46	13.23	27.89	G
7	29	90	210	19.8	6.66	16.8	149.4	195.3	0.820	0.185	4.39	3.41	10.32	17.75	10.02	8.97	52.95	G
7	29	90	210	22.8	6.62	36.4	170.6	191.5	0.784	0.152	4.20	3.41	10.73	13.81	18.79	9.45	47.22	G
7	30	90	211	1.8	6.83	7.7	8.7	352.2	0.758	0.184	6.24	7.31	9.00	17.15	28.15	26.18	19.52	G
7	30	90	211	4.8	6.78	19.3	28.6	1.6	0.754	0.144	5.95	7.76	10.04	20.44	29.13	20.93	19.47	G
7	30	90	211	7.8	6.61	42.1	169.8	0.7	0.802	0.117	4.59	11.13	11.41	16.02	21.93	15.69	34.95	G
7	30	90	211	10.8	6.60	46.1	179.3	10.8	0.769	0.123	4.41	8.26	6.55	21.78	18.41	15.17	38.09	G
7	30	90	211	13.8	6.84	21.6	2.2	359.3	0.826	0.138	6.65	8.26	2.89	40.13	23.12	22.80	11.06	G
7	30	90	211	16.8	6.85	43.9	8.9	353.7	0.769	0.136	7.82	9.48	7.39	44.81	22.71	21.30	3.79	G
7	30	90	211	19.8	6.68	8.3	94.0	17.1	0.729	0.113	8.61	10.24	20.28	45.72	24.15	6.65	3.21	G
7	30	90	211	22.8	6.55	45.0	174.9	339.5	0.825	0.106	8.75	10.24	16.15	49.98	16.35	10.86	6.65	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
7	31	90	212	1.8	6.69	12.3	223.4	358.1	0.758	0.141	6.78	8.83	5.83	41.67	28.40	12.65	11.45	G
7	31	90	212	4.8	6.72	33.0	348.8	351.8	0.732	0.163	5.72	10.24	5.22	41.78	13.60	15.36	24.03	G
7	31	90	212	7.8	6.58	8.1	136.6	348.1	0.811	0.095	6.56	10.24	14.88	40.89	16.96	11.14	16.13	G
7	31	90	212	10.8	6.50	37.6	174.5	356.1	0.782	0.085	6.61	10.24	18.77	26.30	15.52	28.62	10.80	G
7	31	90	212	13.8	6.73	8.2	183.1	9.0	0.816	0.135	8.19	10.24	12.51	47.97	23.54	13.34	2.64	G
7	31	90	212	16.8	6.85	38.3	2.6	357.5	0.728	0.150	8.90	9.48	27.90	43.01	10.48	12.27	6.34	G
7	31	90	212	19.8	6.73	12.8	47.6	3.1	0.732	0.095	8.39	11.13	31.34	26.59	25.13	11.43	5.51	G
7	31	90	212	22.8	6.59	43.5	167.0	186.2	0.894	0.303	3.94	3.82	8.89	3.40	1.65	22.22	63.83	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	90	213	1.8	6.65	53.0	177.5	190.4	0.880	0.219	4.20	4.20	8.89	7.43	3.39	42.93	37.37	G
8	1	90	213	4.8	6.76	20.1	176.5	200.0	0.878	0.266	4.43	3.94	11.47	6.55	6.17	39.39	36.41	G
8	1	90	213	7.8	6.63	15.4	165.6	202.0	0.842	0.231	4.27	3.94	8.42	10.58	4.41	30.98	45.61	G
8	1	90	213	10.8	6.48	26.9	183.5	201.2	0.872	0.187	3.94	3.94	7.03	11.14	3.71	22.81	55.31	G
8	1	90	213	13.8	6.62	9.7	156.9	189.3	0.824	0.152	4.57	4.06	3.50	12.11	10.76	34.48	39.15	G
8	1	90	213	16.8	6.79	45.1	359.6	193.1	0.815	0.145	4.76	4.34	3.72	18.40	9.61	37.41	30.86	G
8	1	90	213	19.8	6.72	33.9	21.7	192.7	0.816	0.098	4.70	9.48	7.87	35.13	8.62	9.50	38.87	G
8	1	90	213	22.8	6.55	17.3	177.5	229.1	0.694	0.136	5.54	5.22	9.16	13.58	2.73	62.92	11.61	G
8	2	90	214	1.8	6.56	15.6	186.5	6.3	0.853	0.064	7.31	10.24	14.61	42.84	15.79	4.82	21.94	G
8	2	90	214	4.8	6.79	6.9	29.8	11.1	0.771	0.088	6.52	9.48	4.49	48.84	15.91	12.22	18.54	G
8	2	90	214	7.8	6.74	12.7	18.7	193.9	0.843	0.132	4.63	3.71	4.75	20.87	13.23	24.05	37.11	G