

Nine Vector Measuring current meters (VMCM) were deployed measuring the following variables: North (v) and East (u) components, (corrected to true North), temperature, T, pressure, P. U and v components were used to compute speed (S) and direction (D). Not all instruments measured all variables. Instruments are listed below by mooring and depth and show the variables measured and comments about processing.

1. W3S 100509 5m u,v,T.
2. W3S 100609 10m u,v,T.
3. K5S 100208 10m u,v,T.
4. B1 600102 5m u,v. No useable data. Compass stuck.
5. B1 100709 10m u,v,T. Total failure. No Data.
6. N5S 100108 5m u,v,T. Suggested adjustment T 0.42 (not included in data file). Pressure data highly unreliable, not included.
7. N5S 100408 10m u,v,T.
8. O3S 100308 20m u,v,T.
9. O5S 204105 10m u,v. Clock values not continuous, big gaps; no time base. No useable data.

Lo passed files

Instruments were set up with a sample interval of 15 minutes. They were lo passed filtered with a cosine Lanczos filter with a half power point of approximately 2.5 hours to suppress high frequency signals. The data was decimated to hourly values. The first and last 6 points were deleted. The time base was adjusted to GMT. Velocity components have been rotated to true North.

Lo passed files:

1. W3509L.txt
2. W3609L.txt
3. K5208L.txt
4. N5108Lf.txt
5. N5408L.txt
6. O3308L.txt

Time base for lo passed files is GMT. Delta-t is 60 minutes.

All VMCM data is in the standard data format.

The format for these files is as follows:

Header with mooring ID (character 1-15), latitude (character 31-45), longitude (character 46-60), time zone indicator (character 65).

Header with month (mm), day (dd), year (yy), hour (hh), minute (mm) for the first scan, month (mm), day (dd), year (yy), hour (hh), minute (mm) for the last scan, sample interval in minutes (mm)

Header listing the number of information headers to follow (nn)

Header containing information about processing done (77 characters)

Data scans:

scan number (5 characters), date (mmddyyhhmm), time (hhmm), speed, direction, u component (cm/sec), v component (cm/sec), temperature degrees C, pressure if present, conductivity (or salinity) if present, sigma-t (if salinity was calculated).