

CBOS4readmetw.pdf

The Coos Bay Offshore current meter mooring was composed of an Acoustic Doppler Current Profiler (ADCP) 300 kHz workhorse at approximately 85m, and 2 Aanderaa Instruments current meters at approximately 64 and 34m.

The Coos Bay Offshore mooring ADCP data is in two files, CBOS4elo_B201ntwf.txt and CBOS4eup_B3821ntwf.txt, both composed of tab delimited columns.

First column is the ensemble number.

Second column is the date and time converted to GMT.

Third column is the temperature data at the ADCP heads, 85 meters.

Starting with the fourth column the column header denotes the bin and component.

The last column is labeled JJ and filled with zeroes. It just denotes the last column and has no significance.

***Bin 1 corresponds to 81 meters, bin 2 79 meters, bin 3 77 meters, etc. The last good bin is bin 38 at 7 meters.

Spikes related to side lobe reflection off the surface and subsurface instruments on the mooring above the ADCP transducer heads may be present.

The lat and long are 43-09.374N, 124-34.223W.

Corrected bottom depth is approximately 100m.

Data has been rotated to true North, the rotation angle used was 18, missing data and spurious points were filled using linear interpolation.

ADCP Workhorse info
Frequency 300 kHz
Beam angle 20 deg
4 beam system
Upward looking orientation

The sample set up was:
Bin length: 2 meters
Blank after transmit: 1.8 meters
Pings per ensemble 69
Time per ping: 52.16 s
Distance to first bin: 4 meters