

**General information:** All files consist of comma delimited text. The first column in each file is the "day number" beginning with January 1, 2009. As an example, August 13, 2009 at 00:00:00 hours would be day number 225.0000000000. The day number is derived from GPS data by each Restrained ADOS A instrument.

**Designation:** \_loc.txt

**Content:** Location and Restrained ADOS A instrument battery voltage

**Format:** daynumber, latitude sign, latitude degrees, longitude sign, longitude degrees, GPS figure of merit (FOM) in meters, voltage of bouy

**Designation:** \_press.txt

**Content:** Thermistor chain pressure. Invalid pressures are 40.95.

**Format:** daynumber, p1,...,p20 (bar)

**Formula:**  $P_{true} = (\text{scaling factor} * P_{sensor}) + \text{offset} - \sim 1 \text{ bar}$

**Calibration:** See calibration files for additional information

**Designation:** \_adcp\_diag.txt

**Content:** ADCP data (for additional information visit the Nortek AS web site and download System Integrator Guide, Paradopp Family of Products, October 2004, N3001-101 Rev. F). ADCP is programmed for 20 cells, 4 meter cell size and 90 sec averages.

**Format:** daynumber, sync, format ID, size, year, month, day, hour, minute, second, error, analog, battery, sound, compass heading, pitch, roll, pressure, status, temperature, check sum (raw value converted to decimal)

**Designation:** \_temp.txt

**Content:** Thermistor chain temperature. Sst is always invalid (sensor does not contact water). Invalid values are 35.95 and -5.

**Format:** daynumber, sst, t1,...,t20 (degrees Celsius)

**Formula:**  $T_{true} = \text{slope} * T_{sensor} + \text{intercept}$ .

**Calibration:** See calibration files for additional information

**Designation:** \_adcp\_ve.txt

**Content:** E velocity (20 cell, 4 meter cell size, 90 sec averages)

**Format:** daynumber, ve1,...,ve20 (cm/sec)

**Designation:** \_adcp\_vn.txt

**Content:** N velocity (20 cell, 4 meter cell size, 90 sec averages)

**Format:** daynumber, vn1,...,vn20 (cm/sec)

**Designation:** \_adcp\_vu.txt

**Content:** U velocity (20 cell, 4 meter cell size, 90 sec averages)

**Format:** daynumber, vu1,...,vu20 (cm/sec)

**Designation:** \_amp\_1.txt

**Content:** Beam 1 amplitude

**Format:** daynumber, a1,...,a20

**Designation:** \_amp\_2.txt

**Content:** Beam 2 amplitude

**Format:** daynumber, a1,...,a20

**Designation:** \_amp\_3.txt

**Content:** Beam 3 amplitude

*Continued on next page*

**Format:** daynumber, a1,...,a20

**Designation:** \_conv\_log.txt

**Content:** n/a

**Format:** n/a

**Designation:** \_t.txt

**Content:** Raw data presented as hexadecimal text

**Format:** n/a