

## Format of ASCII files from VM-ADCP Marion Dufresne II ADCP RDI NB75, destroyed november 2004.

**Cruises OISO 4, 5, 6, 8, 9, 10,11, cruise abstract and data report.**

**Cruises GINS, TIP, cruise abstract and data report.**

**Cruises ANTAUS, CORIOLIS, FLOSTRAL, cruise abstract only.**

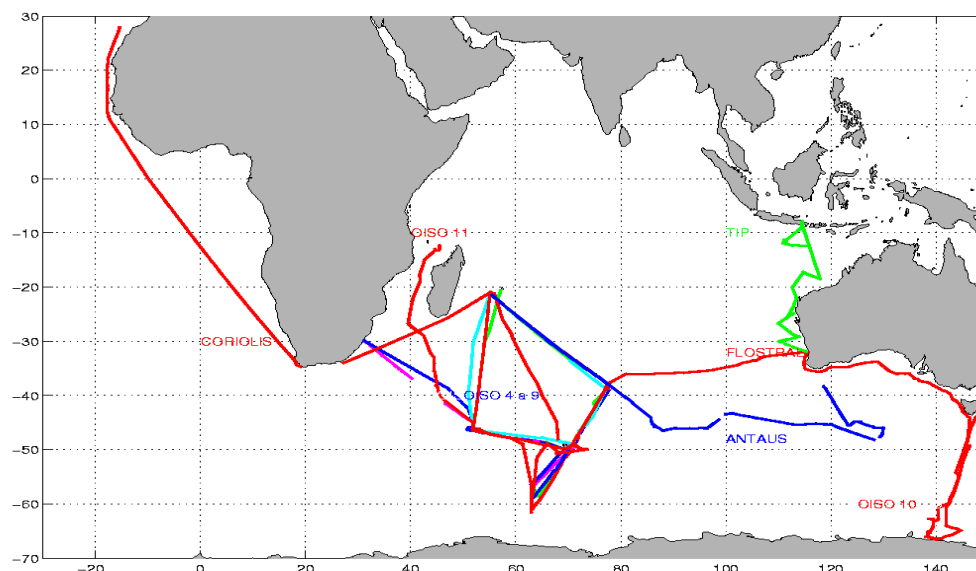
All profiles are extracted from the CODAS database with the `adcpssect` program, time gridding with a time interval equal to the ensemble length. The output (file `.sta`) is formatted as a Matlab file. The output is verified and corrected with matlab scripts (problems with the values near the bottom). Each profile has the profile number in the first column. All the cruises are calibrated by water-tracking (Rotation by an angle file, plus a constant phi). The angle file is obtained by the Firing Proc\_gyro process, or by a latitude fitting of the timslip output, when the calibration points are numerous (many CTD casts, in GINS and TIP cruises). Bad and doubtful profiles are suppressed. The first depth is 31m for 16m bins, and 19m for 8m bins. (transducer depth is about 7m).

**Profile heading (6 columns) :** Profile number, day-month-year, hour-min-sec, latitude in decimal degrees, longitude in decimal degrees, time in julian days.

**Profile data (6 columns) :** Profile number, depth, u, v, speed modulus, heading

Campagne, P.I.	Beginning	End	Calibration	Bin (m)	Ens (s)
GINS, J.C. Gascard	20.08.1999 03.51.51	29.08.1999 22.28.12	Latitude fit + cte	8	180
OISO 4, N. Metzl	24.01.2000 16.05.40	05.02.2000 16.05.40	Proc-gyro Firing + cte	16	180
OISO 5, N. Metzl	20.07.2000 19.35.50	15.08.2000 09.30.50	Proc-gyro Firing + cte	16	300
TIP, M. Fieux	10.09.2000 16.23.30	01.10.2000 06.58.30	Latitude fit + cte	16	300
OISO 6, N. Metzl	09.01.2001 06.00.13	27.01.2001 04.30.13	Proc-gyro Firing + cte	16	300
ANTAUS, L. Geli	15.01.2001 07.05.53	08.11.2001 09.30.53	Proc-gyro Firing + cte	16	300
OISO 8, N. Metzl	04.01.2002 17.41.20	01.02.2002 06.51.20	Proc-gyro Firing + cte	16	300
OISO 9, N. Metzl	23.08.2002 14.33.42	16.09.2002 07.53.42	Proc-gyro Firing + cte	16	300
FLOSTRAL, R. Morrow	03.01.2003 13.41.02	21.01.2003 23.26.02	Proc-gyro Firing + cte	16	300
OISO 10, N. Metzl	23.01.2003 11.20.26	16.02.2003 15.55.26	Proc-gyro Firing + cte	16	300
OISO 11, N. Metzl	12.01.2004 23.54.32	09.02.2004 06.14.32	Proc-gyro Firing + cte	16	300
CORIOLIS, G. Reverdin	31.07.2004 08.06.27	19.08.2004 11.56.27	Proc-gyro Firing + cte	16	300

The GINS cruise is not reported on this map.



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### Données constantes :

- TX\_FREQUENCY: 75 Khz
- SCALE\_FACTOR ?? Je ne sais pas ce que c'est
- BEAM\_ANGLE : 30 degrés
- ADCP\_ANGLE : 45 degrees (configuration Janus)
- NB\_ENS\_AVE : 1
- PITCH\_MISLG: 0
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### Données dépendant de chaque campagne:

Campagne, P.I.	Head_Mislg (deg)	Ampli_Corfac	Middle_Bin1_Depth (m)	Bin_Length (m)	Ens (s)
GINS, J.C. Gascard (en 3 parties)	-5.2427	- 0.9662	19	8	180
	4.4542	- 0.9761			
	3.0192	0.9672			
OISO 4, N. Metzl	-1.1398	0.9847	31	16	180
OISO 5, N. Metzl	-0.3637	1.0334	31	16	300
TIP, M. Fieux	-0.7961	1.0251	31	16	300
OISO 6, N. Metzl	-1.0608	1.0407	31	16	300
ANTAUS, L. Geli	-1.3745	1.0031	31	16	300
OISO 8, N. Metzl	-0.4799	1.0306	31	16	300
OISO 9, N. Metzl	-0.1337	1.0115	31	16	300
FLOSTRAL, R. Morrow	-0.3677	1.0399	31	16	300
OISO 10, N. Metzl	-0.5121	1.0579	31	16	300
OISO 11, N. Metzl	-0.6549	1.0358	31	16	300
CORIOLIS, G. Reverdin	-0.603	1.04	31	16	300

Unités : U,V, module : cm/s