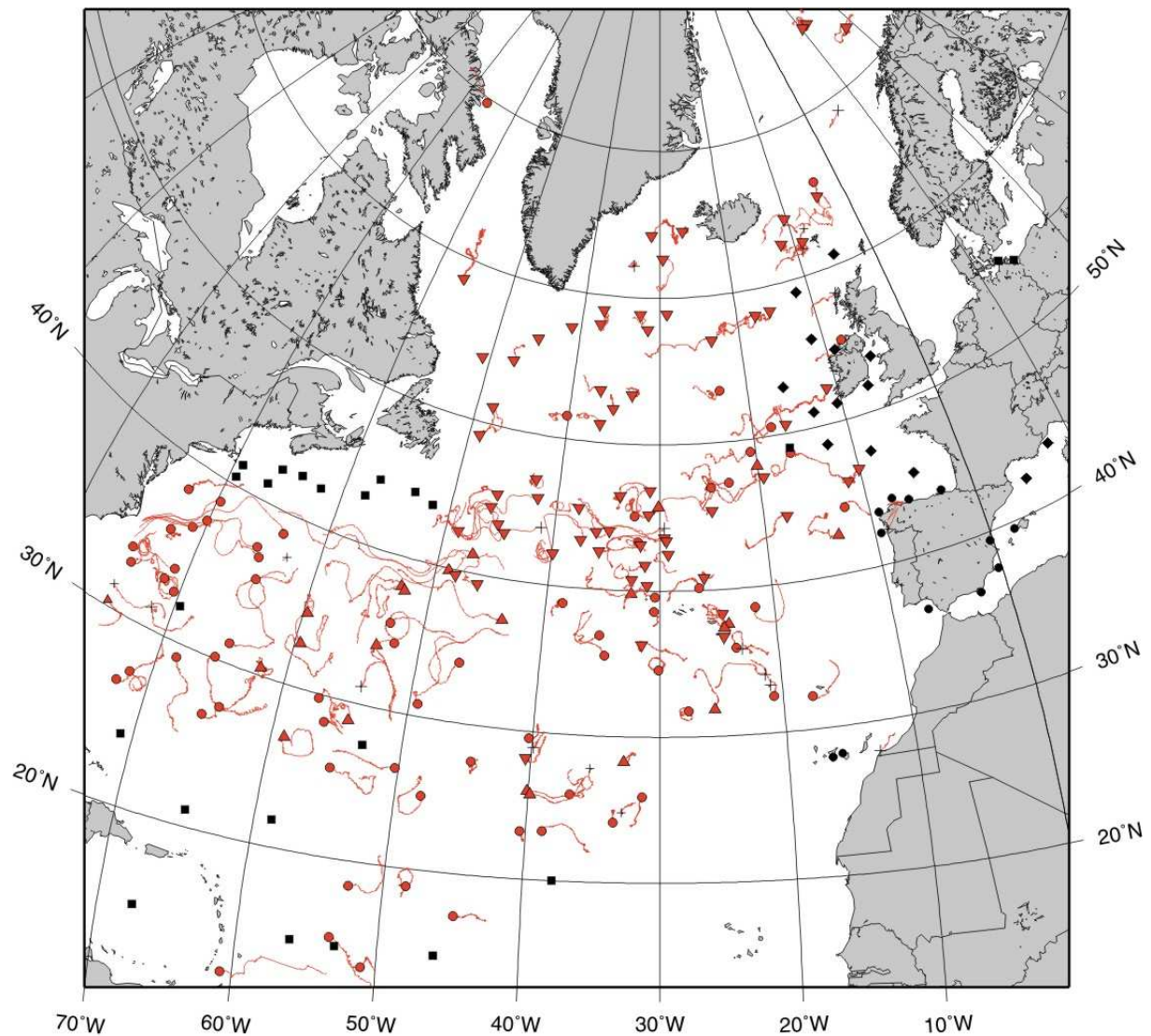
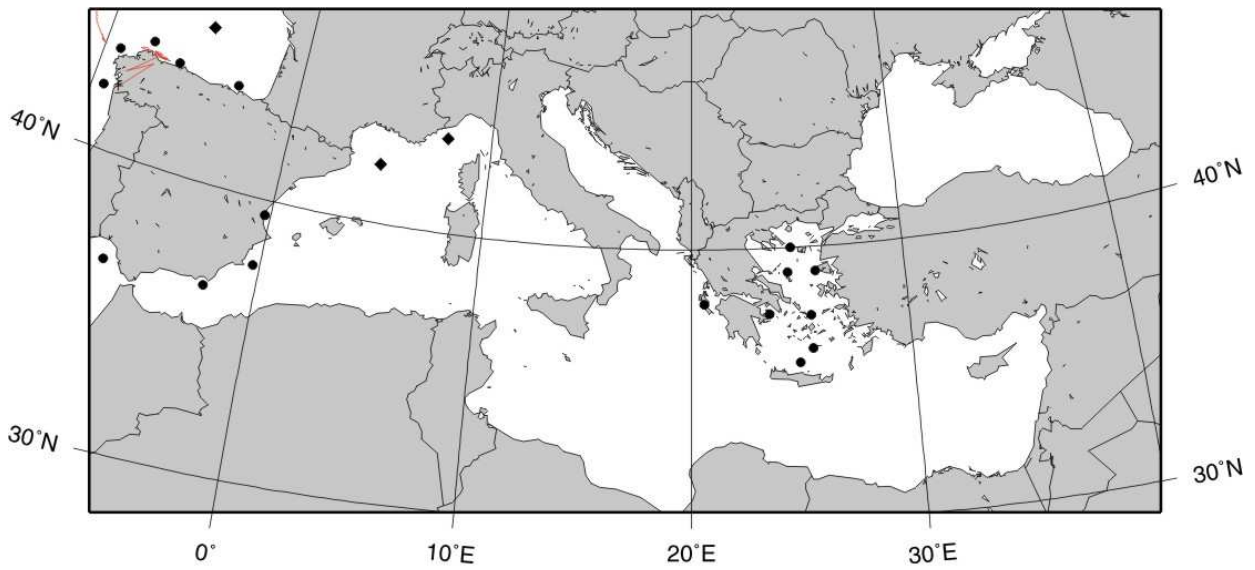


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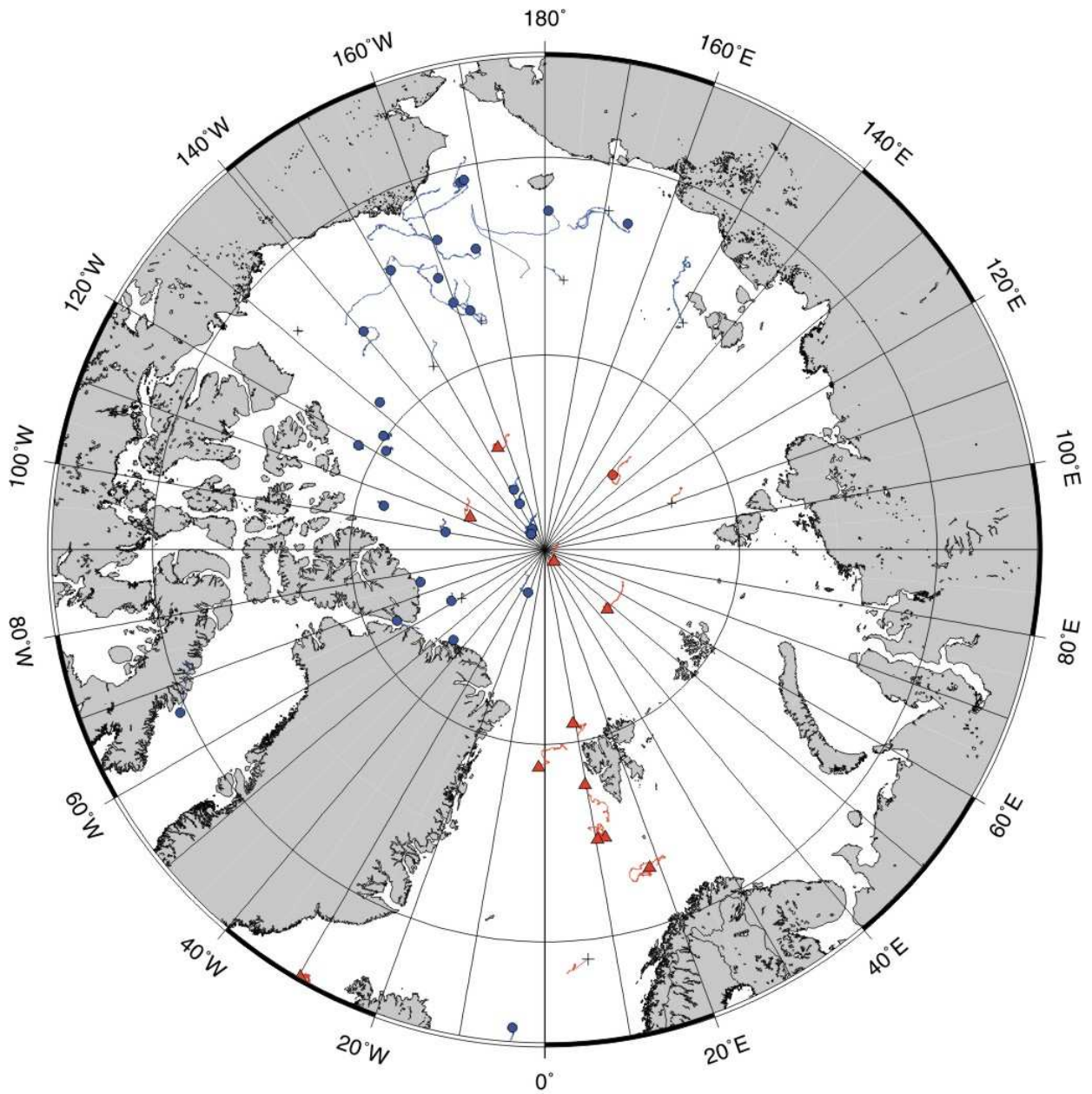
October 2011



October 2011 - Operating data buoys in the North Atlantic
Drifting buoy trajectories and moored buoy positions



October 2011 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions



October 2011 - Drifting buoy trajectories in Arctic Ocean
and adjacent seas

DRIFTING BUOYS

Network status

By the end of October, **86 drifting buoys**, reporting air pressure or wind at least, onto the GTS, were in operation in the EUCOS area in the frame of E-SURFMAR. Out of these, 64 were E-SURFMAR funded Iridium SVP-Bs.

The remaining buoys were 19 Argos drifters owned by NOAA and upgraded with barometers by E-SURFMAR and three Iridium SVP-B drifters operated by Environment Canada.

In addition, five SVP-B drifters out of the six deployed by RV Polarstern in summer were still in operation in the Arctic.

Information about the availability of buoys for future deployments may be get from the E-SURFMAR wikisite (working area) at: http://esurfmar.meteo.fr/wikisurf-wa/index.php/Availability_of_drifting_buoys

The GTS data transmission of Iridium buoys, ensured by Meteo-France, did not suffered from any interruption in October.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400547	10133070	MSB	EU	20111020	45.3	-37.0	OOCL Nagoya	Le Havre
4400548	10820160	MSB	EU	20111030	58.4	-37.8	OOCL Belgium	Southampton
4400550	10139120	MSB	EU	20111020	45.0	-40.0	OOCL Nagoya	Le Havre
4400602	10825110	MSB	EU	20111030	57.5	-41.1	OOCL Belgium	Southampton
4400604	10136120	MSB	EU	20111020	44.1	-46.0	OOCL Nagoya	Le Havre
4400605	10137040	MSB	EU	20111021	43.3	-50.0	OOCL Nagoya	Le Havre
4400764	10822150	MSB	EU	20111031	54.1	-51.0	OOCL Belgium	Southampton
4400765	10820150	MSB	EU	20111030	56.4	-45.0	OOCL Belgium	Southampton
6200695	10132120	MSB	EU	20111019	46.2	-31.0	OOCL Nagoya	Le Havre
6200712	10137120	MSB	EU	20111019	45.5	-34.0	OOCL Nagoya	Le Havre
6200713	10324630	MSB	EU	20111029	59.0	-28.9	OOCL Belgium	Southampton
6200714	10827620	MSB	EU	20111029	59.0	-33.0	OOCL Belgium	Southampton

Supplementary drifting buoys (e.g. in Arctic) by the end of the month

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
2500616	10824160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	84.80	137.66	51
2600553	10826150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	85.54	46.44	78
2600554	10828610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	89.22	38.11	70
4800602	10826110	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	85.82	-113.33	61
4800611	10826630	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	84.23	-155.05	55

Operating drifting buoys in North Atlantic by the end of the month

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6300638	10821150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	78.82	-1.70	83
6300640	10825620	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	74.90	10.24	84
6400516	13110200	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	62.49	-11.89	129
6400517	13809450	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	64.69	-4.27	124
6400607	12548820	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	58.59	-56.31	537
6400611	12341680	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	64.23	-31.29	380
6400612	12582420	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	62.66	-29.58	70
6400613	13110270	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	64.49	-26.46	69
6400614	13200710	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	57.83	-31.51	52
6400615	13204760	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	45.76	-41.96	52
6400616	13017590	MSB	EU	745	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	62.19	-8.79	45
6400617	13111270	MSB	EU	745	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	64.06	-10.39	39

----- Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2500617	10829160	MSB	EU	20111012	83.1	110.1	47	Ice caught
4100638	10827640	MSB	EU	20111016	28.9	-39.9	202	Battery (quickly drained)
4100730	10820120	MSB	EU	20111016	31.1	-54.0	195	Battery (quickly drained)
4100855	39121	TSB	UP	20111018	31.2	-71.7	257	AP failed
4400669	12658810	MSB	CA	20111031	43.8	-41.3	75	AP failed
4400675	10136060	MSB	CA	20111029	39.6	-48.3	162	Battery (quickly drained)
4400763	13308200	MSB	EU	20111031	44.3	-29.6	200	AP failed
4400831	83424	TSB	UP	20111012	58.3	-6.8	395	Ashore in Hebrides Is.
4400900	106223	TSB	UP	20111009	28.0	-12.9	148	Ashore in Morocco
4400936	89804	TSB	UP	20111015	69.0	6.0	651	Faded
6200514	10828150	MSB	EU	20111019	35.9	-23.1	208	AP failed
6200516	10824150	MSB	EU	20111004	33.3	-21.0	186	Battery (quickly drained)
6200517	10825160	MSB	EU	20111008	34.0	-21.3	189	Battery (quickly drained)
6200574	13300210	MSB	EU	20111020	61.8	-9.0	341	Faded
6200575	12299260	MSB	EU	20111016	62.1	-33.8	188	Battery (quickly drained)

----- Non-operating drifting buoys reporting GTS data

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
2500615	13409520	MIB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0110-3110	84.53	161.24	
2500619	57010	MIB	EU	743	-	X	-	-	X	-	-	-	-	-	-	T	0110-3110	84.41	131.37	
4400669	12658810	MSB	CA	719	-	-	S	S	X	-	-	X	-	-	-	O	0110-3110	43.80	-41.26	75
4400763	13308200	MSB	EU	744	-	-	S	S	X	-	-	X	-	-	-	T	0110-3110	44.29	-29.59	200
4400835	89827	TSB	UP	744	-	-	-	-	X	-	-	X	-	-	-	L	0110-3110	62.01	-33.11	413
4400884	37413	TSB	UP	787	-	-	-	-	X	-	-	X	-	-	-	L	1910-3110	57.08	-41.93	398
4400913	83423	TSB	UP	743	-	-	S	S	X	-	-	X	-	-	-	L	0110-3110	63.02	-7.96	414
6200538	10055100	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0110-3110	43.22	-14.27	145
6200926	83427	TSB	UP	743	-	-	-	-	X	-	-	X	-	-	-	L	0110-3110	64.10	-12.07	666

----- Non-operating drifting buoys which ceased to emit

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2500618	57009	MIB	EU	20111025	81.6	98.0	34	Ice caught
4400562	83420	TSB	UP	20111007	60.6	-1.1	389	Ashore in Shetland Is.

----- Other operating drifting buoys into the EUCOS area of interest by the end of the month

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300517	39675	AOML		737	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	32.24	-17.64
1300520	39676	AOML		743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	31.76	-27.68
1300527	92959	AOML		339	-	-	X	-	X	-	-	X	-	-	-	L	0110-3110	12.07	-60.82
1300567	71024	AOML		743	-	-	X	X	X	-	-	-	-	-	-	L	0110-3110	29.77	-57.05
1300568	71025	AOML		744	-	-	X	X	X	-	-	-	-	-	-	L	0110-3110	25.64	-55.15
1300569	71026	AOML		741	-	-	X	X	X	-	-	-	-	-	-	L	0110-3110	27.58	-44.58

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1300570	71028	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	38.57	-30.51
1300575			1387	-	-	X	-	X	-	-	X	-	-	X	T	0110-3110	4.74	-20.25
1300585	82585	AOML	700	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	6.34	-13.83
1300587	90515	AOML	715	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	15.03	-53.45
1300600	43869	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	32.50	-20.73
1300635	44115	AOML	634	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	25.89	-31.37
1300967	39674	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	24.13	-33.51
1300970	32917	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	23.33	-38.78
3100722			340	-	-	X	-	X	-	-	X	-	-	X	T	2410-3110	5.21	-48.54
4100554			8	-	-	X	-	X	-	-	X	-	-	-	L	3110-3110	38.66	-69.74
4100555	92960	AOML	656	-	-	X	-	X	-	-	X	-	-	-	L	0110-3110	35.97	-23.53
4100565	39216	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	33.96	-53.52
4100569	39240	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	18.41	-52.48
4100572	39640	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	24.86	-48.05
4100575	39668	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	34.38	-52.11
4100590	102553	AOML	743	-	-	X	X	-	-	-	X	-	-	-	L	0110-3110	45.09	-32.44
4100593	39236	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	30.13	-65.71
4100603	39234	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	29.54	-40.30
4100607	39252	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	17.20	-44.81
4100608	40294	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	43.34	-32.05
4100613	102557	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	49.14	-20.57
4100616	39258	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	13.32	-51.07
4100622	39232	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	29.18	-68.57
4100623	39658	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	28.38	-56.26
4100632	13319350	AOML	742	-	-	X	X	X	-	-	X	-	-	-	T	0110-3110	23.23	-40.45
4100733			493	-	-	X	-	X	-	-	X	-	-	X	T	2110-3110	25.95	-36.87
4100735			179	-	-	X	X	X	-	-	X	-	-	X	T	2410-3110	10.96	-47.33
4100930			281	-	-	X	X	X	-	-	X	-	-	-	L	2010-3110	37.27	-65.40
4100933			742	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	31.19	-64.95
4100938	40008	AOML	743	-	-	X	X	X	-	-	-	-	-	-	L	0110-3110	35.52	-34.66
4100942	40079	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	30.82	-49.35
4100970	39227	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	26.43	-50.27
4100978	39243	AOML	742	-	-	X	X	-	-	-	X	-	-	-	L	0110-3110	10.20	-42.99
4100979	39642	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	26.64	-65.47
4100980	39245	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	18.85	-48.34
4100981			205	-	-	X	X	X	-	-	X	-	-	-	L	2310-3110	38.69	-63.70
4100982	39660	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	27.39	-64.37
4100995			304	-	-	X	X	X	-	-	X	-	-	-	L	1910-3110	36.73	-64.98
4400850	92891	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	35.59	-52.82
4400878	83398	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	33.97	-46.57
4400892	92861	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	38.88	-38.52
4400904	99112	AOML	745	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	46.98	-24.90
4400911	99014	AOML	701	-	-	X	X	-	-	-	X	-	-	-	L	0110-3010	55.18	-8.01
4400923	99015	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	53.51	-23.13
4400925	88669	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	50.60	-17.99
4400926			743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	47.22	-23.04
4400927	81928	AOML	696	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	51.55	-40.18
4400931	90436	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	48.15	-20.01
4400942	89832	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	65.68	-3.90
4700559	11257	EC	1300	-	-	X	-	-	-	-	-	-	-	-	L	2210-3110	69.65	-65.92
6200504	12165220	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0110-3110	38.64	-21.64
6200508	10823630	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0110-3110	44.35	-12.26
6200730			741	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	39.59	-30.43
6200903	92876	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	36.88	-35.15
6200932	89812	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0110-3110	40.16	-26.48
6200935	92979	AOML	647	-	-	X	-	X	-	-	X	-	-	-	L	0110-3110	34.59	-30.12

----- Abbreviations -----

WMO : WMO id.
 Argos : Argos id.
 Typ : Buoy type
 - first character : Manufacturer (C = ConMar , M = Metocean, T = Technocean,
 Y = Marlin-Yug...)
 - second character : Main type (F = FGGE, S = SVP)
 - third character : Sub type (B = barometer buoy, W = Wind buoy,
 S = Salinity buoy)
 Ow : Buoy owner (country code or EU for EUCOS)
 Owner : Buoy owner for non EUCOS buoys
 Nobs : number of GTS reports received at Meteo-France
 Parameters (X = OK, S = stopped, - = not measured) :
 Wi : Wind

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AT : Air Temperature
AP : Air Pressure
dP : Air pressure tendency
ST : Sea surface Temperature
Wa : Wave period and height
Ws : Wave spectra
Dr : Drogue presence
Sb : Subsurface temperature
U : Relative humidity
SS : Sea surface Salinity
O : Origin of the reports (T = Argos Toulouse, L = Argos Largo, O = Other)
Start_end : first and last dates of the month for which GTS data were received at Meteo-France
Lat : Latitude of the latest position
Lon : Longitude of the latest position
Age : Age of the buoy (days)

DepDate : Date of deployment
DepLat : Latitude of deployment
Dep Lon : Longitude of Deployment
From : Harbour of departure

Definition : An operating drifting buoy is a buoy providing at least air pressure or wind (direction and velocity) data.

MOORED BUOYS

Operating EGOS moored buoys (K-pattern)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100001	Cote d'Azur	743	X	X	X	X	X	X	X	-	-	X	-	T	0110-3110	43.40	7.80
6100002	Lion	737	X	X	X	X	X	X	X	-	-	S	-	T	0110-3110	42.10	4.70
6200001	Gascogne	669	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	45.30	-5.00
6200029	K1	717	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	48.70	-12.50
6200081	K2	743	-	X	X	X	X	X	-	-	-	X	-	O	0110-3110	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	744	X	X	X	-	X	X	-	-	-	X	-	O	0110-3110	53.50	-5.40
6200092	M3	493	X	X	X	X	X	X	-	-	-	X	-	O	1110-3110	51.20	-10.50
6200093	M4	744	X	X	X	-	X	X	-	-	-	X	X	O	0110-3110	54.70	-9.10
6200094	M5	736	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	51.70	-6.70
6200095	M6	745	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	53.10	-15.90
6200105	K4	744	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	744	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	47.50	-8.40
6400045	K5	745	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	59.10	-11.70
6400046	K7	743	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	60.70	-5.20

Comments:

- EUCOS moored buoys are presented in bold characters.

Operating EGOS moored buoys (Spanish SeaWatch and WaveScan)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300130	Gran Canaria	100	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	28.18	-15.82
1300131	Tenerife Sur	591	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	28.00	-16.58
6100196	C. Begur	352	S	S	S	-	-	S	-	-	-	-	-	-	0310-1810	41.92	3.65
6100197	Mahon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.72	4.42
6100198	C. de Gata	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	36.57	-2.33
6100280	Tarragona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.77	1.47
6100281	Valencia	735	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	39.47	-0.27
6100417	C. de Palos	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	37.65	-0.32
6100430	Dragonera	735	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	39.56	2.11
6200024	Bilbao-Visc.	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	43.63	-3.03
6200025	C. de Penas	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	43.73	-6.17
6200082	E. de Bares	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	44.13	-7.69
6200083	Villano-Sis.	736	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	43.48	-9.22
6200084	C. Silleiro	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	42.12	-9.43
6200085	G. de Cadiz	736	X	X	X	-	X	X	-	-	-	-	X	O	0110-3110	36.48	-6.97
0	Santander	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.84	-3.77

Comments:

- The EUCOS buoy is presented in bold characters.

Operating ISPRA moored buoys (Italy)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100207		1483	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	37.44	15.15
6100208		679	-	-	-	-	S	S	-	-	-	-	-	-	0110-1910	37.52	12.53
6100209		1254	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	38.26	13.33
6100210		1414	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	39.02	17.22
6100211		848	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.62	9.89
6100213		1280	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	40.55	8.11
6100214		1455	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	40.87	12.95
6100215		1483	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	40.98	17.38
6100216		1405	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	42.24	11.55

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6100218	1468	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	43.83	13.72
6100219	932	-	-	-	-	S	S	-	-	-	-	-	-	0110-2510	43.93	9.83
6100220	1456	-	-	-	-	X	X	-	-	-	-	-	O	0110-3110	45.33	12.52
6100221	215	-	-	-	-	X	X	-	-	-	-	-	O	1210-3110	39.12	9.40

----- Operating POSEIDON moored buoys (Greece)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6101000		238	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	39.10	24.50
6101001		238	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	37.60	23.60
6101002		-	-	-	-	-	-	-	-	-	-	-	-	-		37.00	22.10
6101003		237	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	40.00	24.70
6101004		238	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	39.10	25.80
6101005		234	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	37.50	25.50
6101006		237	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	36.30	25.50
6101007		236	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	35.80	24.90
6101008		-	-	-	-	-	-	-	-	-	-	-	-	-		36.80	21.60
6101009		238	X	X	X	-	X	X	-	-	-	-	-	O	0110-3110	38.00	20.60

----- Other European moored buoys

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100010	Italia-1	146	S	S	S	-	-	-	-	-	-	S	-	-	0110-2010	43.80	9.10
6200052	Ushant	-	-	-	-	-	-	-	-	-	-	-	-	-		48.50	-5.80
6200442	PAP	740	X	-	X	X	X	-	-	-	-	-	-	O	0110-3110	49.00	-16.40
6600021	Arkona Becken	-	-	-	-	-	-	-	-	-	-	-	-	-		54.90	13.90
6600022	Oder Bank	705	X	X	-	-	X	-	-	-	-	-	-	O	0110-3110	54.10	14.20
6600024	Darsser Schwell	684	X	X	-	-	X	X	-	-	-	-	-	O	0110-3110	54.70	12.70

----- Offshore moored buoys in the western part of the EUCOS area

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300308	East Atlantic		-	-	-	-	-	-	-	-	-	-	-	-		15.00	-38.00
4100026		327	X	X	-	-	X	-	-	-	-	X	-	L	0110-3110	11.49	-38.40
4100040	West Atlantic	730	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	14.50	-53.00
4100041	Mid. Atlantic	738	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	14.50	-46.00
4100043	Porto Rico	744	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	21.00	-65.00
4100044		744	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	21.70	-58.70
4100046		742	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	23.90	-70.90
4100047		-	-	-	-	-	-	-	-	-	-	-	-	-		27.50	-71.50
4100048		744	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	32.00	-69.60
4100049		743	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	27.50	-53.00
4100100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-	-		15.90	-57.90
4100101	E Martinique	711	X	X	X	X	X	X	-	-	-	X	-	T	0110-3110	14.60	-56.20
4100139		423	X	X	X	-	X	-	-	-	-	X	-	L	0110-3110	20.02	-37.86
4200059	Caraibes	744	X	X	X	X	X	X	-	-	-	X	-	O	0110-3110	15.00	-67.50
4400008	A Nantucket	742	-	X	X	X	X	X	-	-	-	-	-	O	0110-3110	40.50	-69.40
4400011	D Georges Bk	462	X	X	X	X	X	X	-	-	-	X	-	O	1210-3110	41.10	-66.60
4400018	SE Cape Cod	438	X	X	X	X	X	X	-	-	-	X	-	O	1310-3110	41.30	-69.30
4400024	NNE Channel	727	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	42.30	-65.90
4400137	E Scotia Sl.	734	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	42.30	-62.00
4400138	SW Gd Banks	738	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	44.30	-53.60
4400139	Beanquereau	683	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	44.30	-57.10
4400140	Tail of Bk	401	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	43.80	-51.70
4400141	Larentian F	736	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	43.00	-58.00
4400150	La Have Bk	533	X	X	X	X	X	X	-	-	-	-	-	O	0110-3110	42.50	-64.00

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Buoy-QC statistics from Meteo-France model outputs

Datend : Date of the last value received on GTS
Recvd : Total number of values received on GTS
GE : Number of Gross Errors (excluded from bias and sd computations)
bias : Mean differences between observation values and co-located model output values
Std : Standard deviation of differences

Air Pressure (hPa), drifting buoys, October 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111031	1300974	10829620	744	0	0.2	0.3
20111031	2500616	10824160	744	0	0.2	0.5
20111012	2500617	10829160	200	5	-0.0	1.8
20111031	2600553	10826150	744	0	0.2	0.7
20111031	2600554	10828610	744	0	0.0	0.6
20111031	4100557	83404	742	0	-0.2	0.7
20111031	4100558	83394	718	4	0.0	0.7
20111031	4100561	39073	742	0	0.1	0.5
20111031	4100573	37414	742	0	-0.1	0.3
20111016	4100638	10827640	371	0	0.2	0.3
20111031	4100719	83392	724	2	0.2	0.5
20111031	4100729	10829110	744	0	0.4	0.4
20111016	4100730	10820120	374	0	0.1	0.5
20111018	4100855	39121	421	0	-0.0	0.6
20111031	4100912	39092	744	0	0.1	0.5
20111031	4100915	39095	743	0	0.2	0.5
20111031	4100935	39108	744	0	0.2	0.8
20111031	4100957	38569	744	8	1.6	2.3
20111031	4400546	12296030	744	4	0.1	0.5
20111031	4400547	10133070	227	0	-0.0	0.6
20111031	4400550	10139120	227	0	-0.2	0.7
20111031	4400601	12050610	744	0	0.8	0.5
20111031	4400604	10136120	227	0	0.3	0.8
20111031	4400605	10137040	227	0	0.3	0.8
20111031	4400613	10823620	744	0	0.2	0.6
20111031	4400621	13010860	744	0	0.0	0.6
20111031	4400623	13803440	744	0	-0.1	0.5
20111031	4400624	13016860	744	0	1.0	0.9
20111031	4400668	12760910	717	1	-0.2	0.5
20111004	4400669	12658810	86	58	-7.2	1.7
20111031	4400673	10134070	719	0	0.1	0.7
20111031	4400674	10137060	717	66	-0.2	2.1
20111029	4400675	10136060	649	1	0.2	0.6
20111031	4400722	12548840	744	0	0.7	0.8
20111031	4400761	12295030	743	0	-0.1	0.7
20111031	4400762	12487120	743	1	0.4	0.8
20111014	4400763	13308200	325	132	-2.0	2.5
20111031	4400766	10820640	744	0	0.2	0.5
20111031	4400769	10824640	744	0	0.2	0.5
20111031	4400770	13013830	744	0	-0.1	0.5
20111031	4400771	13018860	744	14	-0.3	0.8
20111031	4400772	13801140	744	43	-0.4	1.6
20111031	4400773	10053230	744	0	-0.2	0.4
20111031	4400774	10053260	744	0	-0.2	0.5
20111031	4400775	10057200	744	0	-0.1	0.6
20111031	4400776	10058210	744	0	0.2	0.4
20111031	4400777	13118260	744	0	-0.2	0.5
20111031	4400778	13616180	744	1	0.5	1.0
20111031	4400779	13801450	744	7	-0.1	1.0
20111031	4400780	13802460	744	0	0.0	0.3
20111012	4400831	83424	282	0	0.3	1.2
20111031	4400844	37533	742	0	0.0	0.3
20111031	4400878	83398	744	1	0.1	0.5
20111031	4400880	83428	742	4	-0.0	0.3
20111031	4400882	83396	722	1	-0.3	0.7
20111031	4400885	39086	744	5	1.9	1.7
20111009	4400900	106223	200	0	0.7	0.7
20111031	4400903	70822	708	0	0.0	0.6
20111031	4400905	70818	710	0	-0.3	0.9
20111003	4400913	83423	66	25	-2.3	6.1
20111031	4400917	89817	744	1	0.2	0.6

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20111015	4400936	89804	165	3	-0.0	0.6
20111031	4400943	89807	742	0	-0.1	0.4
20111031	4800602	10826110	744	0	0.0	0.5
20111031	4800611	10826630	744	0	0.0	0.8
20111019	6200514	10828150	445	35	0.3	0.4
20111004	6200516	10824150	83	0	-0.1	0.5
20111008	6200517	10825160	173	0	0.1	0.4
20111031	6200531	10823160	744	0	0.2	0.5
20111031	6200532	10829630	744	0	0.0	0.4
20111031	6200533	10822610	744	0	-0.2	0.4
20111031	6200534	10823110	744	0	0.0	0.4
20111031	6200535	12298030	746	0	-0.3	0.4
20111031	6200536	13115270	744	0	-0.3	0.3
20111031	6200537	13618160	744	0	0.2	0.4
20111031	6200539	10052230	744	0	0.1	0.4
20111031	6200551	13016850	744	0	0.0	0.4
20111031	6200552	13804460	744	0	0.0	0.4
20111020	6200574	13300210	463	0	-0.1	0.6
20111016	6200575	12299260	363	0	0.2	0.7
20111031	6200599	10824620	744	0	-0.2	0.6
20111031	6200600	10829610	744	1	-0.4	0.6
20111031	6200695	10132120	227	0	-0.1	0.6
20111031	6200711	10828160	744	0	0.2	0.6
20111031	6200712	10137120	227	0	0.0	0.7
20111031	6200722	37773	743	5	1.0	1.3
20111031	6200724	39074	742	2	-0.0	0.5
20111031	6200905	70820	717	0	0.5	0.4
20111031	6200932	89812	743	0	-0.2	0.4
20111031	6300635	10427190	744	13	-0.6	1.7
20111031	6300636	10820110	744	0	0.2	0.5
20111031	6300637	10820630	744	0	0.0	0.5
20111031	6300638	10821150	744	2	0.3	1.1
20111031	6300639	10821630	746	0	0.3	0.9
20111031	6300640	10825620	744	0	0.1	0.5
20111031	6400516	13110200	744	0	-0.3	0.7
20111031	6400517	13809450	744	31	-0.2	1.8
20111031	6400607	12548820	744	0	0.1	0.5
20111031	6400611	12341680	744	0	0.0	0.6
20111031	6400612	12582420	744	0	0.4	0.7
20111031	6400613	13110270	744	0	-0.0	0.6
20111031	6400614	13200710	744	0	0.3	0.6
20111031	6400615	13204760	740	1	-0.0	0.6
20111031	6400616	13017590	745	0	1.0	0.9
20111031	6400617	13111270	745	0	-0.2	0.6

Air Pressure (hPa), moored buoys, October 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111031	1300130		100	0	0.8	0.7
20111031	1300131		591	0	0.1	0.8
20111031	6100001		739	0	-0.4	0.6
20111031	6100002		737	0	-0.0	0.5
20111020	6100010		146	0	-0.5	0.5
20111018	6100196		352	0	1.0	1.6
20111031	6100198		736	0	0.2	0.7
20111031	6100281		735	0	0.1	0.7
20111031	6100417		736	0	0.5	0.7
20111031	6100430		735	0	-0.6	0.7
20111031	6101000		238	0	-0.2	0.7
20111031	6101001		238			
20111031	6101003		237	0	0.5	0.7
20111031	6101004		238	0	0.4	0.6
20111031	6101005		234			
20111031	6101006		237	0	0.6	0.6
20111031	6101007		236	0	-0.0	0.9
20111031	6101009		238			
20111031	6200001		669	0	-0.1	0.5
20111031	6200024		736	0	0.3	0.7
20111031	6200025		736	0	0.6	0.7
20111031	6200029		714	0	-0.2	0.5
20111031	6200081		743	0	-0.1	0.4
20111031	6200082		736	0	0.6	0.7
20111031	6200083		736	0	0.5	0.7

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20111031	6200084	736	0	0.5	0.6
20111031	6200085	736	0	0.3	0.7
20111031	6200091	744	0	-0.3	0.7
20111031	6200092	489	0	-0.1	0.7
20111031	6200093	744	1	-0.3	0.7
20111031	6200094	729	15	0.1	0.7
20111031	6200095	744	2	0.1	0.5
20111031	6200105	744	1	-0.3	0.5
20111031	6200163	744	0	-0.1	0.5
20111031	6400045	744	1	-0.3	0.8
20111031	6400046	743	0	-0.2	0.7

Air Temperature (C), drifting buoys, October 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111025	2500618	57009	600	0	1.4	3.5
20111031	2500619	57010	743	3	4.8	4.4

Air Temperature (C), moored buoys, October 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111031	1300130		100	0	-0.8	0.5
20111031	1300131		591	0	0.1	0.7
20111031	6100001		732	0	-0.9	0.9
20111031	6100002		737	0	-0.2	0.7
20111020	6100010		146	0	0.8	1.5
20111017	6100196		339	0	-0.3	1.7
20111031	6100198		736	0	-0.7	1.1
20111031	6100281		735	0	-0.4	0.7
20111031	6100417		736	0	-0.2	0.5
20111031	6100430		735	0	-0.2	0.6
20111031	6101000		238	0	-0.4	0.7
20111031	6101001		238	0	-0.9	0.7
20111031	6101003		237	0	1.4	0.8
20111031	6101004		238	0	-0.5	0.7
20111031	6101005		234	0	-1.2	0.6
20111031	6101006		237			
20111031	6101007		236	0	-1.5	1.1
20111031	6101009		238	0	-0.7	0.8
20111031	6200001		669	0	-0.0	0.6
20111031	6200024		736	0	0.3	0.8
20111031	6200025		661	92	2.3	5.3
20111031	6200029		716	0	-0.1	0.5
20111031	6200081		743	0	-0.2	0.5
20111031	6200082		736	0	-0.2	0.8
20111031	6200083		736	0	-0.2	0.8
20111031	6200084		736	0	0.1	1.0
20111031	6200085		736	0	0.1	0.8
20111031	6200091		744	0	0.0	0.5
20111031	6200092		491	0	0.1	0.4
20111031	6200093		744	0	-0.2	0.5
20111031	6200094		729	1	-0.1	0.7
20111031	6200095		734	1	-0.3	0.8
20111031	6200105		744	0	-0.0	0.7
20111031	6200163		744	0	-0.1	0.6
20111031	6400045		743	0	-0.3	0.6
20111031	6400046		743	0	-0.3	0.5
20111031	6600022		704	0	0.3	1.0
20111031	6600024		683	0	0.3	0.8

Wind direction (deg.), moored buoys, October 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111031	1300130		99	1	12	22
20111031	1300131		591	86	-138	40
20111031	6100001		741	34	1	22
20111031	6100002		737	20	-1	22
20111020	6100010		145	7	-11	37

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20111007	6100196	35	0	-4	14
20111031	6100198	712	31	-5	30
20111031	6100281	722	76	4	34
20111031	6100417	718	5	10	23
20111031	6100430	729	27	-33	27
20111031	6101000	238	40	7	45
20111031	6101001	237	9	-4	25
20111031	6101003	237	13	-22	34
20111031	6101004	234	4	-1	20
20111031	6101005	232	7	-9	19
20111031	6101006	236	2	-5	21
20111031	6101007	232	29	10	39
20111031	6101009	237	22	-7	38
20111031	6200001	669	15	-2	21
20111031	6200024	708	39	-11	31
20111031	6200025	725	30	-38	34
20111031	6200029	715	12	-1	16
20111031	6200082	720	10	-8	20
20111031	6200083	730	28	-7	23
20111031	6200084	702	32	1	26
20111031	6200085	726	12	-4	23
20111031	6200091	744	7	-2	14
20111031	6200092	490	2	-4	16
20111031	6200093	744	7	2	17
20111031	6200094	733	6	-2	15
20111031	6200095	743	8	-2	13
20111031	6200105	742	1	2	14
20111031	6200163	743	17	0	20
20111031	6400045	744	2	-2	15
20111031	6400046	738	0	2	16
20111031	6600022	702	2	-8	15
20111031	6600024	672	5	-4	13

Wind speed rate, moored buoys, October 2011

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20111031	1300130		99	0	1.0	1.0
20111031	1300131		591	113	1.1	2.4
20111031	6100001		741	0	1.2	1.6
20111031	6100002		737	11	1.1	1.5
20111020	6100010		145	0	1.4	1.7
20111007	6100196		35	0	0.6	4.9
20111031	6100198		712	1	0.9	1.7
20111031	6100281		722	0	1.6	1.8
20111031	6100417		718	0	0.9	1.5
20111031	6100430		729	0	1.1	1.6
20111031	6101000		238	0	0.3	9.7
20111031	6101001		237	0	1.2	2.1
20111031	6101003		237	3	0.9	1.7
20111031	6101004		234	0	1.1	2.3
20111031	6101005		232	1	1.0	1.7
20111031	6101006		236	0	0.9	2.0
20111031	6101007		232	8	1.0	1.2
20111031	6101009		237	0	1.6	1.9
20111031	6200001		669	1	1.1	1.3
20111031	6200024		708	0	1.0	1.6
20111031	6200025		725	0	0.9	2.3
20111031	6200029		715	0	1.0	1.5
20111031	6200082		720	1	0.9	1.5
20111031	6200083		730	0	0.8	1.8
20111031	6200084		702	2	1.0	1.9
20111031	6200085		726	0	1.0	1.7
20111031	6200091		744	0	1.0	1.9
20111031	6200092		490	0	1.0	1.5
20111031	6200093		744	2	0.9	1.9
20111031	6200094		731	3	1.0	1.4
20111031	6200095		743	5	0.9	1.3
20111031	6200105		742	0	1.0	1.4
20111031	6200163		743	0	1.0	1.4
20111031	6400045		744	0	1.0	1.6
20111031	6400046		738	2	0.9	2.0
20111031	6600022		702	0	1.2	1.0
20111031	6600024		672	0	1.2	1.3

Comments on QC statistics :

Air pressure

1. Metocean Iridium SVP-B WMO **2500617** reported a few wrong pressure values before the buoy, probably caught by sea ice in the Arctic, stopped transmitting.
2. Pressure data reported by Technocean Argos WMO **4100957** are still scattered but acceptable. This is not the case for Technocean Argos WMO **4400885**. Its pressure data should be no more reported onto the GTS after the 3rd of November.
3. Metocean Iridium SVP-Bs WMO **4400674**, **4400771**, **6300635** and **64517** reported a few wrong pressure values in October for an unknown reason.
4. Wrong pressure values were also sent onto the GTS in October for Metocean Iridium SVP-Bs WMO **4400669**, **4400763**, **4400772**, **4400913** and **6200514** before the transmission was stopped for this parameter (3rd of November for buoy WMO 4400772).
5. Spanish moored buoy WMO **6100196** reported a few wrong pressure values before it stopped transmitting.
6. Since the 9th of september, Poseidon moored buoys WMO **6101001**, **6101005** and **6101009** report 0 hPa onto the GTS (in BUFR) although they should report "missing value".

Air temperature

7. As usually, as seen on ICEB buoys WMO **2500618** and **2500619**, air temperature observations differ from model outputs in the Arctic.
8. Since the 9th of September, Poseidon moored buoy WMO **6101006** reports 0°C instead of "missing value".
9. Spanish moored buoy WMO **6200025** has been reporting wrong air temperature values since the 19th of October.

Wind

10. As in August and September, wind directions reported by Spanish moored buoy WMO **1300131** presented a bias comprised between 130 and 140 degrees in October. Since the 27th of October, they seem at the opposite of the direction they should be (bias of 180 degrees). Many wrong speed values were also reported onto the GTS during the month.
11. Spanish moored buoy WMO **6100196** reported dubious wind direction values at the beginning of October before the GTS transmission was stopped for this parameter.
12. Poseidon buoy WMO **6101000** has been reporting abnormal calm winds since the 12th of October.
13. Since the 9th of September, Poseidon buoy WMO **6101007** reports northerly winds (i.e. 0 for direction) instead of "missing value".
14. The quality of wind directions reported by Spanish moored buoy WMO **6200025** continued to be little in October.

Monthly QC statistics and other data quality control tools are available on line at :

<http://www.meteo.shom.fr/qctools/>

The working area of the E-SURFMAR website is open at <http://esurfmar.meteo.fr/wikisurf-wa/> . Ask the E-SURFMAR Programme Manager Pierre.Blouch@meteo.fr for the password in case you forgot it. Graphs of system performances may be displayed/downloaded at http://esurfmar.meteo.fr/doc/r/surfmar/others/e-surfmar_monitoring.pdf.