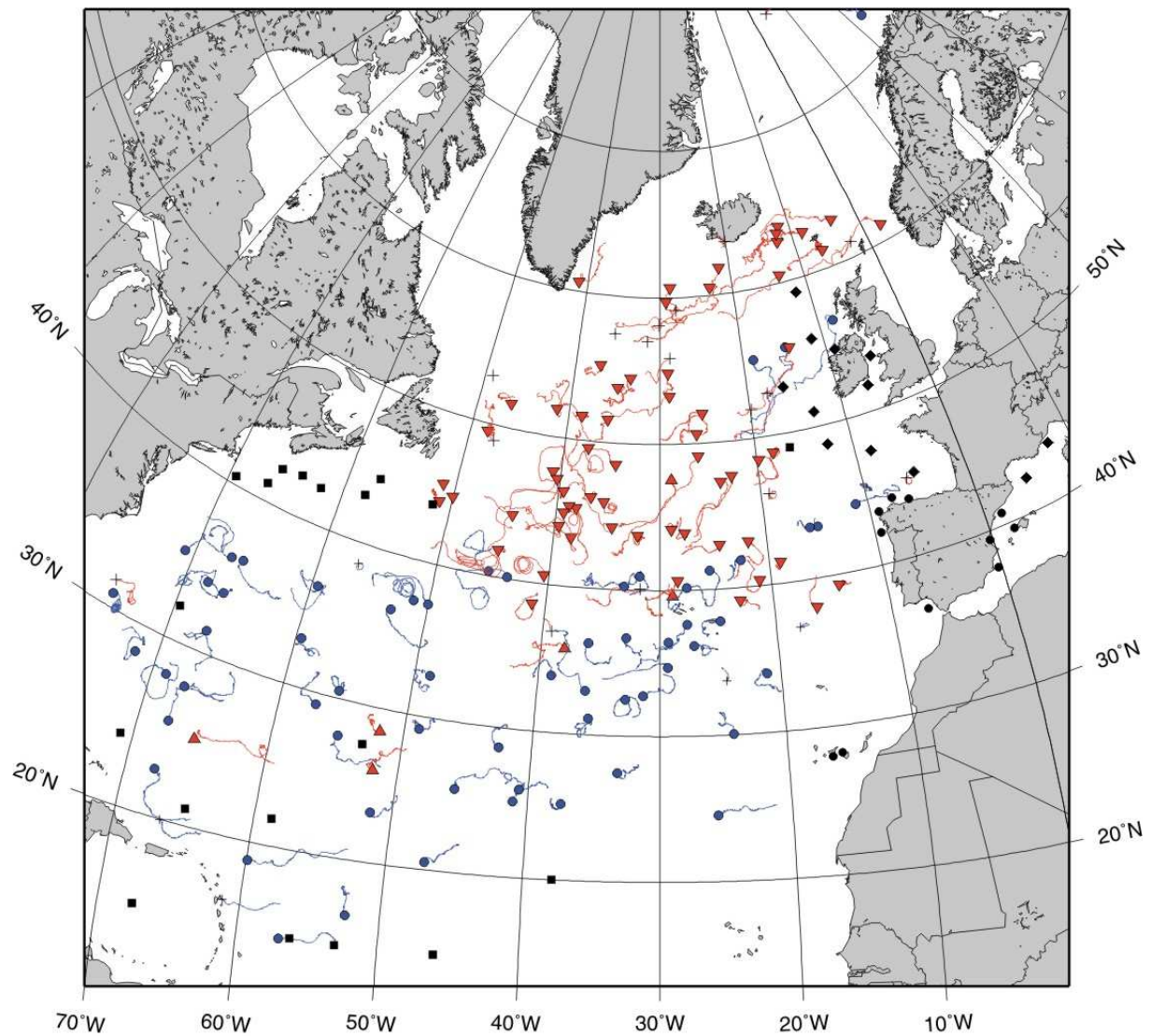
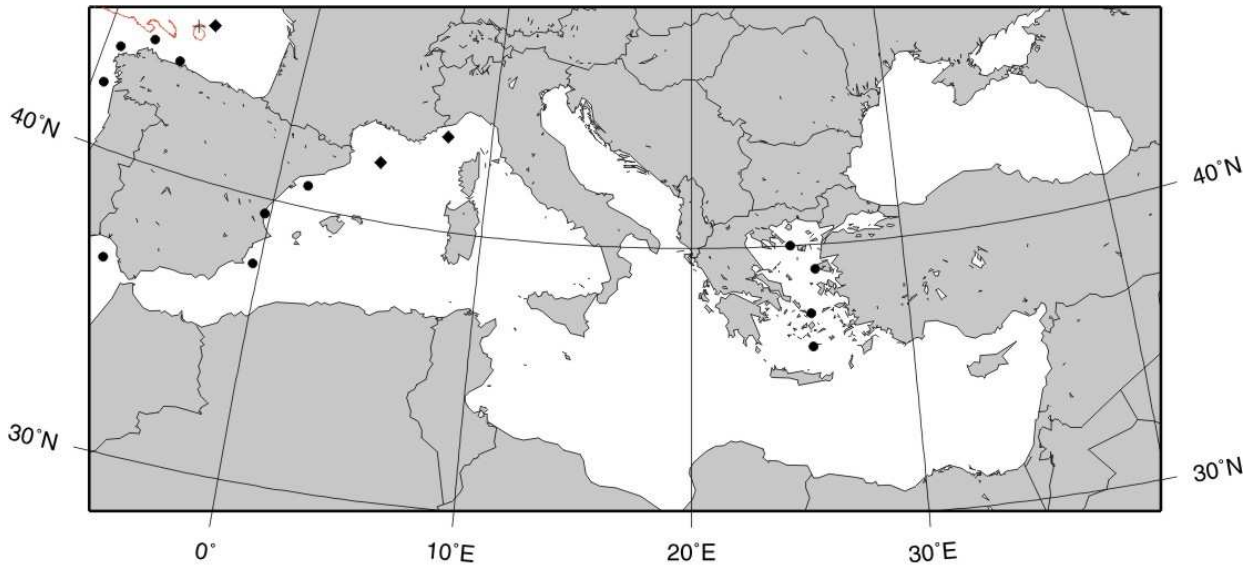


## DATA BUOY MONTHLY REPORT

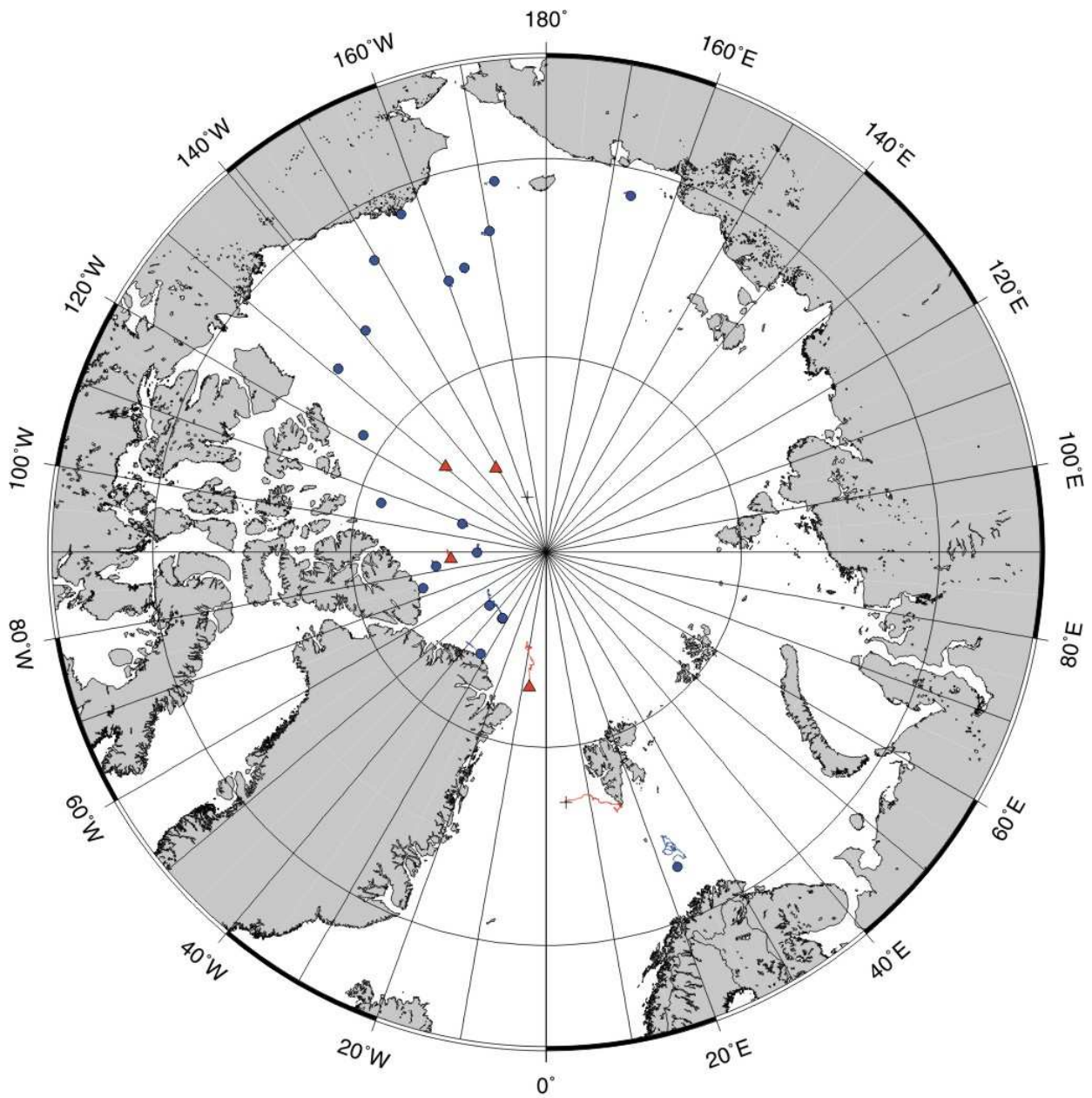
March 2012



March 2012 - Operating data buoys in the North Atlantic  
Drifting buoy trajectories: E-SURFMAR (red), others (blue)  
Moored buoy positions (black)



March 2012 - Operating data buoys in the Mediterranean Sea  
Drifting buoy trajectories and moored buoy positions



March 2012 - Drifting buoy trajectories in Arctic Ocean and adjacent seas: E-SURFMAR (red), others (blue)

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**DRIFTING BUOYS**  
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**Network status**

By the end of March, **68 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. This is 6 less than for last month. Out of the buoys in operation, 58 were E-SURFMAR funded Iridium SVP-Bs. The remaining buoys were 10 Argos drifters owned by NOAA and upgraded with barometers by E-SURFMAR.

The percentage of GTS buoy data received less than 100 minutes after the observation time has been definitely higher than the target of 95%. This of data arriving within 50 minutes should reach the target of 90% soon.

In addition, one ICEB buoy and two SVP-B drifters out of the six deployed by RV Polarstern in summer were 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](http://esurfmar.meteo.fr/wikisurf-wa/index.php/Availability_of_drifting_buoys)

Air pressure measurements were released back onto the GTS for buoys WMO 4400550, 4400606, 4400624 and 6400614 at the beginning of April after realizing they seem correct now.

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

**Drifting buoys - New deployments**

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400869	11026040	MSB	EU	20120301	43.6	-42.9	Fos-sur-Mer	Endurance
4400870	11027180	MSB	EU	20120302	50.0	-47.9	Halifax	Reykjafoss
4400871	11025180	MSB	EU	20120303	55.0	-38.7	Halifax	Reykjafoss
4400872	11027700	MSB	EU	20120317	45.2	-48.0	Fos-sur-Mer	Lisbon Express
4400873	11022600	MSB	EU	20120317	45.5	-51.0	Fos-sur-Mer	Lisbon Express
4400874	11023040	MSB	EU	20120316	43.8	-38.0	Fos-sur-Mer	Lisbon Express
4400875	11021610	MSB	EU	20120317	44.8	-45.0	Fos-sur-Mer	Lisbon Express
6200511	11026160	MSB	EU	20120306	40.3	-15.9	Fos-sur-Mer	Milan Express
6200554	11027160	MSB	EU	20120307	41.1	-18.0	Fos-sur-Mer	Milan Express
6200555	11023170	MSB	EU	20120306	39.4	-13.0	Fos-sur-Mer	Milan Express
6200556	11021170	MSB	EU	20120307	41.9	-22.0	Fos-sur-Mer	Milan Express
6200680	11026180	MSB	EU	20120304	58.1	-30.0	Halifax	Reykjafoss
6200681	11021180	MSB	EU	20120304	57.2	-31.3	Halifax	Reykjafoss

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**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
2500615	13409520	MIB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	84.99	-148.99	193
4800602	10824160	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	85.10	-85.70	213
4800611	10826110	MSB	EU	670	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	83.22	-130.34	207

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**Operating drifting buoys in North Atlantic 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
4100561	39073	TSB	UP	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	28.51	-51.88	419



## E-SURFMAR DB Monthly Report March 2012

4400550	10139120	MSB	EU	20120315	40.1	-31.8	148	AP failed
4400603	10828630	MSB	EU	20120327	52.0	-25.3	146	Battery (quickly drained)
4400610	11028150	MSB	EU	20120302	57.4	-35.7	26	Unknown
4400612	13015860	MSB	EU	20120328	60.5	-23.1	110	AP failed
4400623	13803440	MSB	EU	20120305	63.5	-20.1	197	Ashore in Iceland
4400668	12760910	MSB	CA	20120306	36.9	-39.3	202	Battery (quickly drained)
4400777	13118260	MSB	EU	20120310	46.1	-19.2	267	Battery (quickly drained)
4400868	11024050	MSB	EU	20120302	53.1	-49.2	11	Unknown
4400870	11027180	MSB	EU	20120322	48.9	-47.4	21	Unknown
6200553	10827630	MSB	EU	20120302	51.9	-19.9	122	Unknown
6200679	11029170	MSB	EU	20120321	55.9	-28.8	32	Unknown
6200680	11026180	MSB	EU	20120306	58.1	-30.1	3	Unknown
6200681	11021180	MSB	EU	20120306	57.0	-31.6	3	Unknown
6200714	10827620	MSB	EU	20120329	61.2	-6.5	155	Barometer failed
6300635	10427190	MSB	EU	20120320	77.2	4.5	225	Battery (quickly drained)
6400518	13112270	MSB	EU	20120323	61.0	-2.4	119	Unknown
6400520	12486100	MSB	EU	20120327	64.1	-21.8	108	Ashore in Iceland
6400522	11029150	MSB	EU	20120328	61.8	-21.5	51	AP failed
6400614	13200710	MSB	EU	20120315	59.1	-27.9	188	AP failed
6400615	13204760	MSB	EU	20120329	52.9	-17.8	202	AP failed

### ----- 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
2500619	57010	MIB	EU	745	-	X	-	-	-	-	-	-	-	-	-	T	0103-3103	87.09	-163.20	191
4100912	39092	TSB	UP	738	-	-	-	-	X	-	-	X	-	-	-	L	0103-3103	32.80	-49.30	471
4100915	39095	TSB	EU	732	-	-	S	S	X	-	-	X	-	-	-	L	0103-3103	33.57	-75.12	471
4400550	10139120	MSB	EU	744	-	-	S	S	X	-	-	X	-	-	-	T	0103-3103	40.12	-31.79	164
4400606	10327610	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	56.49	-9.73	150
4400612	13012860	MSB	EU	744	-	-	S	S	X	-	-	X	-	-	-	T	0103-3103	60.55	-23.12	540
4400624	13016860	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	58.40	-10.82	224
4400669	12658810	MSB	CA	725	-	-	-	-	X	-	-	X	-	-	-	O	0103-3103	50.40	-21.71	227
4400835	89827	TSB	UP	737	-	-	-	-	X	-	-	X	-	-	-	L	0103-3103	65.20	-1.47	565
4400885	39086	TSB	UP	740	-	-	-	-	X	-	-	X	-	-	-	L	0103-3103	48.00	-21.74	338
4400905	70818	TSB	UP	40	-	-	-	-	-	-	-	X	-	-	-	L	1403-3103	36.36	-46.21	1744
4400913	83423	TSB	UP	737	-	-	-	-	X	-	-	X	-	-	-	L	0103-3103	69.57	12.39	566
6200926	83427	TSB	UP	734	-	-	-	-	X	-	-	X	-	-	-	L	0103-3103	71.42	31.05	818
6200714	10827620	MSB	EU	742	-	-	S	X	S	-	-	X	-	-	-	T	0103-3103	61.25	-6.49	155
6300640	10825620	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	80.70	15.90	236
6400521	12874080	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	66.50	-29.78	112
6400522	11029150	MSB	EU	744	-	-	S	S	X	-	-	X	-	-	-	T	0103-3103	61.80	-21.50	54
6400614	13200710	MSB	EU	744	-	-	S	S	X	-	-	X	-	-	-	T	0103-3103	59.14	-27.86	204
6400615	13204760	MSB	EU	687	-	-	S	S	X	-	-	X	-	-	-	T	0103-2903	52.88	-17.82	202

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
6300636	10820110	MSB	EU	20120303	71.3	-10.2	207	Battery (quickly drained)
6400617	13111270	MSB	EU	20120304	65.7	5.9	164	Battery (quickly drained)

### ----- 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
1300520	39676	AOML		735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	32.50	-32.79
1300522	104132	AOML		550	-	-	X	X	X	-	-	X	-	-	-	L	0803-3103	34.73	-29.32
1300530	104131	AOML		552	-	-	X	X	X	-	-	X	-	-	-	L	0803-3103	32.76	-31.37
1300568	71025	AOML		732	-	-	X	X	X	-	-	-	-	-	-	L	0103-3103	22.67	-67.84
1300569	71026	AOML		733	-	-	X	X	X	-	-	-	-	-	-	L	0103-3103	27.69	-55.01
1300570	40180	AOML		735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.45	-29.29
1300600	43869	AOML		737	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	31.11	-35.72
1300621	44096	AOML		597	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	24.55	-25.59
1300635	44115	AOML		605	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	25.12	-41.11
1300962	37643	AOML		655	-	-	X	X	X	-	-	X	-	-	-	L	0403-3103	36.27	-36.04
1300967	39674	AOML		734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	25.56	-45.57

## E-SURFMAR DB Monthly Report March 2012

3100720	109456	LODY	225	-	-	X	-	X	-	-	X	-	-	X	T	2703-3103	1.85	-22.03
3100722	42804	LODY	1238	-	-	X	-	X	-	-	X	-	-	X	T	0103-3103	10.33	-40.53
3100723	109459	LODY	74	-	-	X	-	X	-	-	X	-	-	X	T	2703-2903	0.00	-23.16
4100555	92960	AOML	606	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	30.05	-24.16
4100565	39216	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	35.77	-38.02
4100572	39640	AOML	734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	18.89	-59.90
4100575	39668	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.42	-53.03
4100590	102553	AOML	706	-	-	X	X	-	-	-	X	-	-	-	L	0103-3103	56.58	-8.26
4100593	39236	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	29.30	-57.15
4100595	37638	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	28.70	-42.55
4100607	39252	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	20.51	-47.19
4100608	40294	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	55.24	-18.76
4100617	104138	AOML	597	-	-	X	X	X	-	-	X	-	-	-	L	0603-3103	30.50	-55.62
4100622	39232	AOML	504	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	28.01	-68.93
4100623	39658	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	25.56	-67.74
4100632	13319350	AOML	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	25.96	-40.70
4100670	39237	AOML	734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	29.17	-48.89
4100676	104127	AOML	461	-	-	X	X	X	-	-	X	-	-	-	L	1203-3103	33.87	-38.94
4100697	37655	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	33.01	-59.58
4100733	36606	LODY	1442	-	-	X	-	X	-	-	X	-	-	X	T	0103-3103	25.20	-37.49
4100735	10729990	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	14.48	-56.97
4100903	92916	AOML	614	-	-	X	X	X	-	-	-	-	-	-	T	0603-3103	29.39	-67.95
4100916	40047	AOML	544	-	-	X	X	X	-	-	X	-	-	-	L	0403-3103	33.82	-66.67
4100924	39190	AOML	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.45	-59.50
4100930	39891	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	40.13	-43.70
4100938	71027	AOML	734	-	-	X	X	X	-	-	-	-	-	-	L	0103-3103	40.94	-31.81
4100939	40010	AOML	737	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	34.02	-68.13
4100942	40079	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	32.74	-48.75
4100945	88623	AOML	621	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	31.31	-66.95
4100954	93004	AOML	630	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	36.00	-67.06
4100960	93006	AOML	626	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	40.30	-45.39
4100961	98992	AOML	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	27.76	-67.31
4100969	99005	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	37.37	-51.32
4100970	39227	AOML	733	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	23.24	-51.61
4100980	39245	AOML	734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	16.48	-52.49
4400850	41469	AOML	732	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.12	-66.05
4400878	41443	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	32.98	-36.10
4400892	41495	AOML	721	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	37.65	-27.65
4400926	88653	AOML	732	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	44.35	-11.18
4400927	88663	AOML	704	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	55.72	-14.73
4400942	89832	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	72.62	22.66
6200505	11120780	CMM	132	-	-	X	X	X	-	-	X	-	-	X	T	2603-3103	43.43	-15.08
6200513	11120780	CMM	310	-	-	X	X	X	-	-	X	-	-	X	T	1903-3103	43.46	-15.83
6200730	41463	AOML	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	40.15	-27.61
6200903	41421	AOML	731	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.73	-32.85
6200932	41470	AOML	734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.19	-27.08
6200935	92979	AOML	611	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	41.84	-22.56
6200938	44093	AOML	616	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	41.28	-25.50

### ----- 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  
     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

## E-SURFMAR DB Monthly Report March 2012

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	697	X	X	X	X	X	X	X	-	-	X	-	T	0103-3103	43.40	7.80
<b>6100002</b>	<b>Lion</b>	<b>691</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>-</b>	<b>X</b>	<b>-</b>	<b>T</b>	<b>0103-3003</b>	<b>42.10</b>	<b>4.70</b>
6200001	Gascogne	744	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	45.30	-5.00
6200029	K1	744	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	48.70	-12.50
6200081	K2	744	-	X	X	X	X	X	-	-	-	X	-	O	0103-3103	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	735	X	X	X	-	X	X	-	-	-	X	X	O	0103-3103	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50
6200093	M4	720	X	X	-	-	X	S	-	-	-	-	S	O	0103-3103	54.70	-9.10
6200094	M5	737	X	X	X	-	X	X	-	-	-	X	X	O	0103-3103	51.70	-6.70
<b>6200095</b>	<b>M6</b>	<b>746</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>X</b>	<b>-</b>	<b>O</b>	<b>0103-3103</b>	<b>53.10</b>	<b>-15.90</b>
6200105	K4	744	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	745	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	47.50	-8.40
<b>6400045</b>	<b>K5</b>	<b>741</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>X</b>	<b>-</b>	<b>O</b>	<b>0103-3103</b>	<b>59.10</b>	<b>-11.70</b>
6400046	K7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	695	X	X	X	-	X	X	X	-	-	-	-	O	0103-3003	28.18	-15.82
1300131	Tenerife Sur	694	X	X	X	-	S	X	X	-	-	-	-	O	0103-3003	28.00	-16.58
6100196	C. Begur	350	X	X	X	-	-	X	X	-	-	-	-	O	1503-3003	41.92	3.65
6100197	Mahon	156	X	X	X	-	-	X	X	-	-	-	-	O	2303-3003	39.72	4.42
6100198	C. de Gata	695	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	36.57	-2.33
6100280	Tarragona	695	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	40.77	1.47
6100281	Valencia	695	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	39.47	-0.27
6100417	C. de Palos	695	X	S	X	-	X	X	X	-	-	-	X	O	0103-3003	37.65	-0.32
6100430	Dragonera	695	X	X	X	-	X	-	-	-	-	-	-	O	0103-3003	39.56	2.11
6200024	Bilbao-Visc.	604	X	X	X	-	X	X	X	-	-	-	X	O	0403-3003	43.63	-3.03
6200025	C. de Penas	695	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	43.73	-6.17
6200082	E. de Bares	685	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	44.13	-7.69
6200083	Villano-Sis.	695	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	43.48	-9.22
<b>6200084</b>	<b>C. Silleiro</b>	<b>690</b>	<b>X</b>	<b>X</b>	<b>X</b>	-	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>X</b>	<b>O</b>	<b>0103-3003</b>	<b>42.12</b>	<b>-9.43</b>
6200085	G. de Cadiz	695	X	X	X	-	X	X	X	-	-	-	X	O	0103-3003	36.48	-6.97
0	Santander	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.84	-3.77

Comments:

- The EUCOS buoy is presented in bold characters.



**E-SURFMAR DB Monthly Report  
March 2012**

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**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		1365	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	37.44	15.15
6100208		1359	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	37.52	12.53
6100209		1370	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	38.26	13.33
6100210		1371	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	39.02	17.22
6100211		1370	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	39.45	15.92
6100212			-	-	-	-	-	-	-	-	-	-	-			40.62	9.89
6100213			-	-	-	-	-	-	-	-	-	-	-			40.55	8.11
6100214		403	-	-	-	-	S	S	-	-	-	-	-		0103-1103	40.87	12.95
6100215		1196	-	-	-	-	X	X	-	-	-	-	-	O	0603-3103	40.98	17.38
6100216		556	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	42.24	11.55
6100218		1366	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	43.83	13.72
6100219		1366	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	43.93	9.83
6100220		1364	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	45.33	12.52
6100221		1371	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	39.12	9.40

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**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			-	-	-	-	-	-	-	-	-	-	-			39.10	24.50
6101001			-	-	-	-	-	-	-	-	-	-	-			37.60	23.60
6101002			-	-	-	-	-	-	-	-	-	-	-			37.00	22.10
6101003		244	X	X	X	-	X	X	-	-	-	-	-	O	0103-3103	40.00	24.70
6101004		244	X	X	X	-	X	X	-	-	-	-	-	O	0103-3103	39.10	25.80
6101005		244	X	X	-	-	X	X	-	-	-	-	-	O	0103-3103	37.50	25.50
6101006		244	X	-	X	-	X	X	-	-	-	-	-	O	0103-3103	36.30	25.50
6101007			-	-	-	-	-	-	-	-	-	-	-			35.80	24.90
6101008			-	-	-	-	-	-	-	-	-	-	-			36.80	21.60
6101009			-	-	-	-	-	-	-	-	-	-	-			38.00	20.60

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**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		-	-	-	-	-	-	-	-	-	-	-			43.80	9.10
6200052	Ushant		-	-	-	-	-	-	-	-	-	-	-			48.50	-5.80
6200442	PAP	741	X	-	X	X	X	-	-	-	-	-	-	O	0103-3103	49.00	-16.40
6600021	Arkona Becken		-	-	-	-	-	-	-	-	-	-	-			54.90	13.90
6600022	Oder Bank		-	-	-	-	-	-	-	-	-	-	-			54.10	14.20
6600024	Darsser Schwell		-	-	-	-	-	-	-	-	-	-	-			54.70	12.70

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**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		334	X	X	-	-	X	-	-	-	-	X	-	L	0103-3103	11.49	-38.40
4100040	West Atlantic	739	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	14.50	-53.00
4100041	Mid. Atlantic	742	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	14.50	-46.00
4100043	Porto Rico	743	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	21.00	-65.00
4100044		744	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	21.70	-58.70
4100046		730	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	23.90	-70.90
4100047			-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
4100048		743	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	32.00	-69.60
4100049		743	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	27.50	-53.00
4100100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-			15.90	-57.90
4100101	E Martinique	734	X	X	X	X	X	X	-	-	-	X	-	T	0103-3103	14.60	-56.20
4100139		415	X	X	X	-	X	-	-	-	-	X	-	L	0103-3103	20.02	-37.86
4200059	Caraibes	744	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	15.00	-67.50
4400008	A Nantucket	743	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	40.50	-69.40
4400011	D Georges Bk	743	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	41.10	-66.60
4400018	SE Cape Cod	333	S	S	S	S	S	S	-	-	-	S	-		0103-1403	41.30	-69.30

**E-SURFMAR DB Monthly Report  
March 2012**

4400024 NNE Channel	729	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	42.30	-65.90
4400137 E Scotia Sl.	723	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	42.30	-62.00
4400138 SW Gd Banks	36	S	S	S	S	S	S	-	-	-	-	-		0303-2703	44.30	-53.60
4400139 Beanquereau	725	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	44.30	-57.10
4400140 Tail of Bk	452	S	S	S	S	S	S	-	-	-	-	-	O	0103-3103	43.80	-51.70
4400141 Larentian F	729	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	43.00	-58.00
4400150 La Have Bk	617	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	42.50	-64.00

## E-SURFMAR DB Monthly Report March 2012

### 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, March 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120331	2500615	13409520	744	3	0.1	1.3
20120306	2500616	10824160	128	0	-0.2	0.6
20120331	2600554	10828610	666	0	-0.0	0.9
20120304	4100557	83404	77	0	-0.1	0.9
20120331	4100561	39073	736	0	0.0	0.5
20120331	4100573	37414	734	0	0.0	0.7
20120331	4100591	39101	738	0	0.0	0.6
20120331	4100717	83402	737	0	-0.2	0.5
<b>20120306</b>	<b>4100915</b>	<b>39095</b>	<b>135</b>	<b>0</b>	<b>1.2</b>	<b>2.4</b>
20120331	4100957	38569	738	0	-0.1	0.3
20120331	4400546	12296030	739	1	0.5	0.7
20120331	4400547	10133070	744	0	0.0	0.7
20120331	4400548	10820160	744	0	0.1	0.9
<b>20120331</b>	<b>4400549</b>	<b>11025170</b>	<b>744</b>	<b>31</b>	<b>-0.1</b>	<b>1.7</b>
<b>20120315</b>	<b>4400550</b>	<b>10139120</b>	<b>350</b>	<b>4</b>	<b>-1.1</b>	<b>2.9</b>
20120331	4400551	11027150	744	0	-0.2	0.6
20120331	4400602	10825110	744	0	0.2	1.0
<b>20120327</b>	<b>4400603</b>	<b>10828630</b>	<b>629</b>	<b>17</b>	<b>0.2</b>	<b>0.7</b>
20120331	4400604	10136120	744	4	0.1	0.9
20120331	4400605	10137040	744	0	0.4	0.5
20120331	4400607	10826620	744	0	0.1	1.0
20120331	4400608	10820170	744	0	0.3	0.6
20120331	4400609	10821540	744	0	0.2	0.9
20120302	4400610	11028150	41	0	-0.1	1.5
<b>20120328</b>	<b>4400612</b>	<b>13015860</b>	<b>661</b>	<b>38</b>	<b>-0.7</b>	<b>2.6</b>
20120331	4400614	10305940	744	0	0.0	0.8
20120331	4400615	11023600	744	1	-0.3	0.8
20120331	4400616	11813550	744	0	0.0	0.8
20120331	4400620	11022170	744	0	-0.0	0.6
20120331	4400621	13010860	744	0	0.3	0.7
<b>20120305</b>	<b>4400623</b>	<b>13803440</b>	<b>110</b>	<b>48</b>	<b>0.9</b>	<b>3.7</b>
20120331	4400625	11502100	744	0	0.0	0.7
<b>20120306</b>	<b>4400668</b>	<b>12760910</b>	<b>126</b>	<b>4</b>	<b>-0.8</b>	<b>2.9</b>
20120331	4400739	11023610	744	0	0.0	0.7
20120331	4400744	13805450	744	1	-0.4	1.6
20120331	4400745	13010870	744	0	-0.3	0.9
<b>20120331</b>	<b>4400746</b>	<b>13357510</b>	<b>744</b>	<b>17</b>	<b>-0.3</b>	<b>1.6</b>
20120331	4400747	11029160	744	0	-0.1	0.5
20120331	4400764	10822150	744	0	-0.0	1.2
20120331	4400765	10820150	706	1	0.2	1.3
20120331	4400767	11919510	744	0	-0.1	0.7
20120331	4400768	11912520	359	0	0.0	0.8
20120331	4400770	13013830	746	0	0.0	0.4
20120310	4400777	13118260	223	0	-0.2	0.5
20120331	4400844	37533	739	0	0.1	0.4
20120331	4400878	83398	739	0	0.1	0.3
<b>20120331</b>	<b>4400863</b>	<b>13015840</b>	<b>744</b>	<b>17</b>	<b>0.2</b>	<b>1.2</b>
20120331	4400864	13614150	744	0	0.1	0.7
20120331	4400865	11022610	744	0	0.1	0.5
20120331	4400866	11020180	744	0	0.0	0.8
20120331	4400867	11022740	744	0	-0.3	0.7
<b>20120302</b>	<b>4400868</b>	<b>11024050</b>	<b>12</b>	<b>0</b>	<b>-4.0</b>	<b>3.5</b>
20120331	4400869	11026040	706	0	0.1	0.6
20120322	4400870	11027180	472	0	0.1	1.0
20120331	4400871	11025180	634	0	-0.1	0.9
20120331	4400872	11027700	298	0	-0.0	0.6
20120331	4400873	11022600	298	0	-0.2	0.6
20120331	4400874	11023040	298	0	0.0	0.6
20120331	4400875	11021610	298	0	0.2	0.6
20120331	4400880	83428	734	0	0.0	0.6
20120331	4400903	70822	686	0	-0.0	0.6

## E-SURFMAR DB Monthly Report March 2012

20120331	4800602	10826110	744	0	-0.3	0.5
20120331	4800611	10826630	670	0	-0.5	0.6
20120331	6200511	11026160	610	0	-0.2	0.4
20120331	6200513	76814	310	0	-0.0	0.4
20120331	6200518	11024270	744	2	0.0	1.0
20120331	6200519	13114260	744	0	0.1	0.4
20120331	6200520	13611180	744	0	0.0	0.4
20120331	6200551	13016850	706	0	-0.0	0.4
20120302	6200553	10827630	25	0	0.2	0.4
20120331	6200554	11027160	586	0	-0.2	0.4
20120331	6200555	11023170	586	0	-0.1	0.4
20120331	6200556	11021170	562	0	0.0	0.3
20120331	6200597	10301840	744	0	-0.0	0.6
20120331	6200677	11022050	744	0	-0.0	0.4
20120331	6200678	11029050	744	0	-0.0	0.9
20120321	6200679	11029170	326	0	0.0	1.2
<b>20120306</b>	<b>6200680</b>	<b>11026180</b>	<b>32</b>	<b>0</b>	<b>0.1</b>	<b>2.0</b>
<b>20120306</b>	<b>6200681</b>	<b>11021180</b>	<b>23</b>	<b>0</b>	<b>0.3</b>	<b>1.5</b>
20120331	6200694	11020160	744	0	0.1	0.4
20120331	6200695	10132120	744	0	0.1	0.4
20120331	6200696	11917510	744	0	0.0	0.5
20120331	6200697	12291040	744	0	-0.1	0.4
20120331	6200712	10137120	744	0	0.1	0.4
20120329	6200714	10827620	673	0	0.1	0.6
20120331	6200722	37773	737	0	0.1	0.4
20120331	6200724	39074	739	0	0.1	0.3
20120331	6200932	89812	734	0	-0.1	0.3
<b>20120320</b>	<b>6300635</b>	<b>10427190</b>	<b>465</b>	<b>15</b>	<b>-0.2</b>	<b>1.5</b>
20120323	6400518	13112270	540	0	0.1	0.5
20120331	6400519	13013860	744	0	-0.1	0.8
<b>20120327</b>	<b>6400520</b>	<b>12486100</b>	<b>637</b>	<b>35</b>	<b>-0.9</b>	<b>1.0</b>
<b>20120328</b>	<b>6400522</b>	<b>11029150</b>	<b>661</b>	<b>41</b>	<b>-0.2</b>	<b>1.9</b>
20120331	6400608	13118270	745	0	-0.0	0.8
20120331	6400609	13806460	745	0	0.3	1.0
20120331	6400612	12582420	744	7	-0.1	1.6
<b>20120315</b>	<b>6400614</b>	<b>13200710</b>	<b>350</b>	<b>77</b>	<b>-0.5</b>	<b>3.1</b>
<b>20120305</b>	<b>6400615</b>	<b>13204760</b>	<b>109</b>	<b>59</b>	<b>-0.5</b>	<b>3.2</b>

### Air Pressure (hPa), moored buoys, March 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120330	1300130		695	0	0.9	0.7
20120330	1300131		694	0	0.2	0.7
20120331	6100001		684	2	-0.2	0.6
20120330	6100002		691	0	0.2	0.5
20120330	6100196		350	0	-1.1	1.1
20120330	6100197		156	0	0.2	0.5
20120330	6100198		695	0	0.3	0.7
20120330	6100280		695	0	0.2	0.7
20120330	6100281		695	0	0.5	0.7
20120330	6100417		695	0	0.3	0.7
20120330	6100430		695	0	-0.8	0.7
20120331	6101003		244	0	0.4	0.6
20120331	6101004		244	0	0.3	0.6
20120331	6101006		244	0	0.5	0.7
20120331	6200001		744	0	-0.0	0.5
20120330	6200024		604	0	0.4	0.6
20120330	6200025		695	0	0.5	0.6
20120331	6200029		744	2	-0.1	0.7
20120331	6200081		744	0	0.1	0.4
20120330	6200082		685	0	0.4	0.6
20120330	6200083		695	0	0.4	0.6
20120330	6200084		690	0	0.4	0.5
20120330	6200085		695	0	0.3	0.7
20120331	6200091		735	1	0.2	0.4
20120331	6200094		737	1	0.0	0.4
20120331	6200095		742	3	0.0	0.5
20120331	6200105		744	1	-0.1	0.5
20120331	6200163		744	1	0.1	0.5
20120331	6400045		741	0	-0.1	0.5

### Air Temperature (C), drifting buoys, March 2012

## E-SURFMAR DB Monthly Report March 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120331	2500619	57010	745	33	0.9	4.7

### Air Temperature (C), moored buoys, March 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120330	1300130		695	0	-0.7	0.5
20120330	1300131		694	0	0.1	0.8
20120331	6100001		697	0	-0.8	0.9
20120330	6100002		675	0	0.1	1.1
20120330	6100196		350	0	-0.1	0.9
20120330	6100197		156	0	0.3	0.8
20120330	6100198		695	0	-0.4	0.5
20120330	6100280		695	0	0.2	1.0
20120330	6100281		695	0	-0.4	0.8
20120302	6100417		35	0	-2.5	0.3
20120330	6100430		695	0	0.1	0.9
20120331	6101003		244	0	1.2	0.6
20120331	6101004		241	0	-0.5	0.6
20120331	6101005		244	0	-1.0	0.7
20120331	6200001		744	0	-0.0	0.6
20120330	6200024		604	0	0.4	1.1
20120330	6200025		695	0	-0.2	1.1
20120331	6200029		744	0	-0.0	0.6
20120331	6200081		744	0	0.1	0.7
20120330	6200082		685	0	-0.3	0.7
20120330	6200083		695	0	-0.2	0.5
20120330	6200084		690	0	0.1	0.6
20120330	6200085		695	0	-0.1	0.6
20120331	6200091		735	1	0.2	0.6
20120331	6200093		720	0	0.1	0.8
20120331	6200094		737	0	0.2	0.6
20120331	6200095		724	0	0.3	1.2
20120331	6200105		744	0	0.1	0.8
20120331	6200163		741	0	-0.3	0.8
20120331	6400045		741	0	-0.1	0.7

### Wind direction (deg.), moored buoys, March 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120330	1300130		694	7	23	21
20120331	6100001		690	46	-3	27
20120330	6100002		61	4	-1	37
20120330	6100196		337	11	-8	28
20120330	6100197		156	0	-6	20
20120330	6100198		688	33	-17	27
20120330	6100280		661	42	-6	31
20120330	6100281		671	35	6	35
20120330	6100417		647	3	1	23
20120331	6101003		243	26	-19	38
20120331	6101004		244	11	-2	23
20120331	6101005		242	3	-9	23
20120331	6101006		242	1	-5	19
20120331	6200001		744	6	-4	16
20120330	6200024		571	84	5	45
20120330	6200025		626	16	-3	29
20120331	6200029		744	0	-3	14
20120330	6200082		666	8	-2	21
20120330	6200083		680	28	-11	26
20120330	6200084		680	22	-1	26
20120330	6200085		693	5	-6	19
20120331	6200091		735	10	1	22
20120331	6200093		630	6	6	16
20120331	6200094		736	5	2	20
20120331	6200095		742	6	1	15
20120331	6200105		744	0	-1	13
20120331	6200163		744	3	-3	17
20120331	6400045		741	0	-2	11

## E-SURFMAR DB Monthly Report March 2012

### Wind speed rate, moored buoys, March 2012

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20120330	1300130		694	0	1.0	1.5
20120331	6100001		690	2	1.2	2.2
20120330	6100002		61	0	1.6	2.0
20120330	6100196		337	0	1.0	1.5
20120330	6100197		156	0	0.9	1.2
20120330	6100198		688	0	1.0	1.9
20120330	6100280		661	0	1.2	1.8
20120330	6100281		671	0	1.4	1.5
20120330	6100417		647	0	0.8	1.7
20120331	6101003		243	0	1.0	2.0
20120331	6101004		244	0	1.2	1.8
20120331	6101005		242	1	1.0	1.8
20120331	6101006		242	0	1.0	1.9
20120331	6200001		744	0	1.0	1.2
20120330	6200024		571	0	1.0	1.6
20120330	6200025		626	0	0.8	2.1
20120331	6200029		744	1	1.0	0.9
20120330	6200082		666	0	0.8	1.3
20120330	6200083		680	0	0.8	1.7
20120330	6200084		680	0	1.1	1.6
20120330	6200085		693	0	0.9	1.8
20120331	6200091		735	0	0.9	1.4
20120331	6200093		630	0	1.0	1.5
20120331	6200094		736	0	0.9	1.3
20120331	6200095		741	3	0.7	2.5
20120331	6200105		744	0	1.0	1.6
20120331	6200163		744	0	1.0	1.1
20120331	6400045		741	0	1.0	1.5

### Comments on QC statistics :

#### Air pressure

1. Metocean Iridium buoys WMO **4100915**, **4400550**, **4400603**, **4400612**, **4400623**, **4400668**, **4400868**, **6200680**, **6200681**, **6300635**, **6400520**, **6400522**, **6400614** and **6400615** reported wrong pressure values onto the GTS before the transmission was stopped for this parameter. Pressure data were rehabilitated for buoy WMO **4400765** and **6200551** at the beginning of March after they were found reliable back.
2. Metocean Iridium WMO **4400549**, **4400746**, and **4400863** reported wrong pressure values temporarily. The GTS transmission was not stopped for them.

#### Air temperature

3. As usually seen on ICEB buoys, air temperature observations differ from model outputs in the Arctic. This was the case for buoy WMO **2500619** in March: small bias (0,9 °C) but high standard deviation (4.7 °C).
4. GTS transmission was stopped for air temperature reported by Spanish moored buoy WMO **6100417** at the beginning of the month. They had been significantly biased since November.

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](mailto: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](http://esurfmar.meteo.fr/doc/r/surfmar/others/e-surfmar_monitoring.pdf).