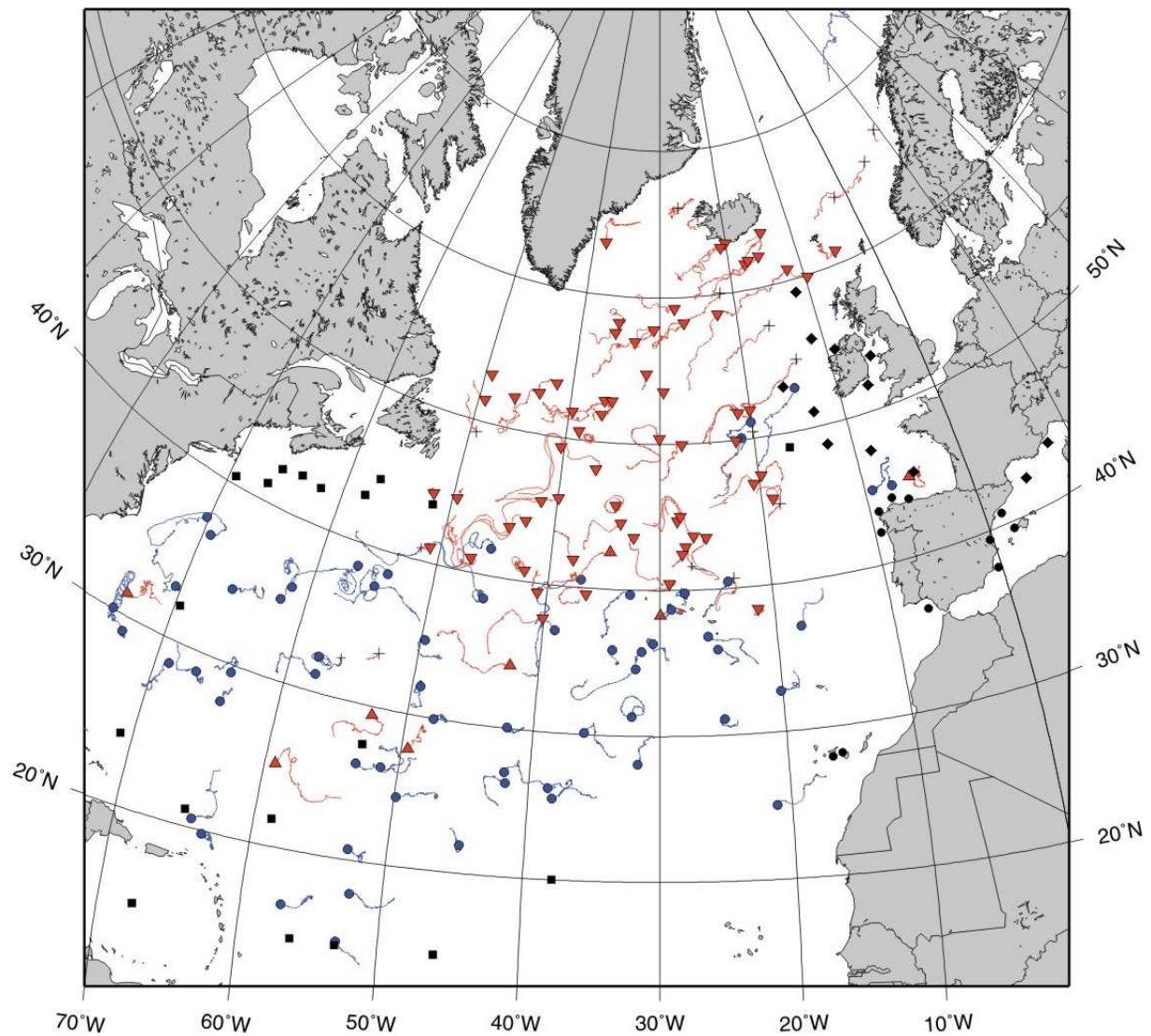
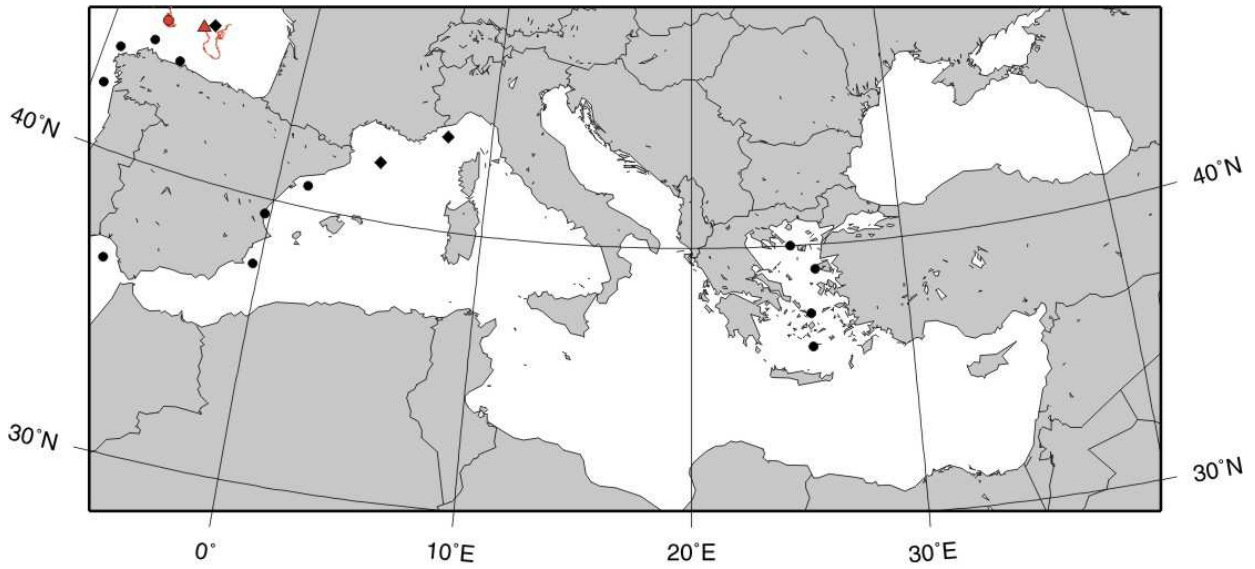


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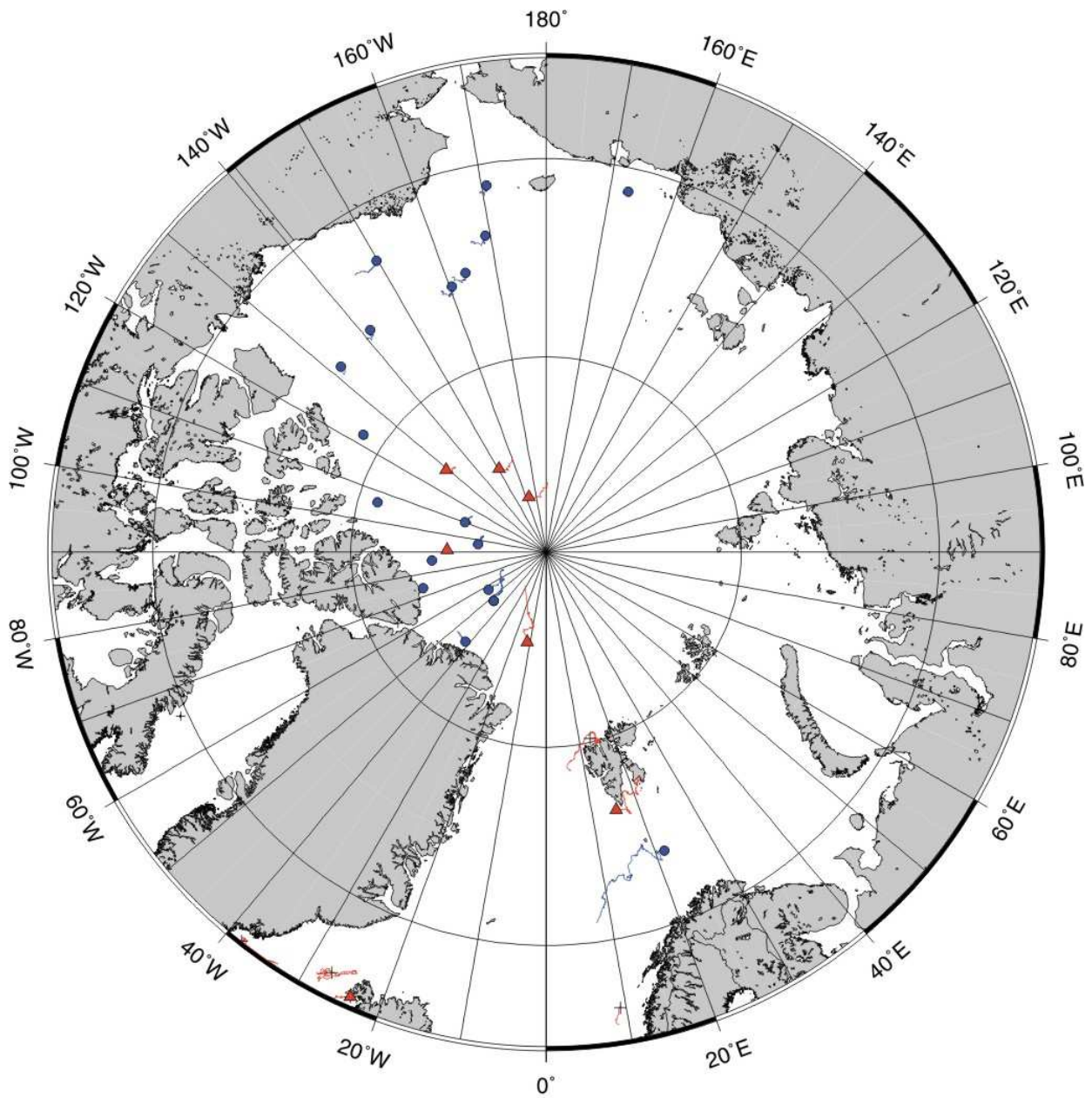
February 2012



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



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



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

DRIFTING BUOYS

Network status

By the end of February, **74 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 8 more than for last month despite the deployment of 25 new buoys. However, the trend has turned positive. Out of the buoys in operation, 62 were E-SURFMAR funded Iridium SVP-Bs and 33 out of them were from the new series – deployed since last December and having an expected battery lifetime of 15 months.

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.

The remaining buoys were 11 Argos drifters owned by NOAA and upgraded with barometers by E-SURFMAR and one Iridium SVP-B drifter operated by Environment Canada.

In addition, one ICEB buoy and three 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

Air pressure measurements were released back onto the GTS for buoys WMO 4400765 and 6200551 at the beginning of March 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 February.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400549	11025170	MSB	EU	20120206	58.0	-36.0	Halifax	Reykjafoss
4400551	11027150	MSB	EU	20120206	41.6	-43.0	Fos-sur-Mer	Milan Express
4400610	11028150	MSB	EU	20120206	57.3	-39.0	Halifax	Reykjafoss
4400620	11022170	MSB	EU	20120207	43.5	-48.0	Fos-sur-Mer	Milan Express
4400625	11502100	MSB	EU	20120205	53.0	-44.0	Halifax	Reykjafoss
4400739	11023610	MSB	EU	20120210	43.6	-40.0	Fos-sur-Mer	Lisbon Express
4400747	11029160	MSB	EU	20120206	40.7	-40.5	Fos-sur-Mer	Milan Express
4400863	13015840	MSB	EU	20120210	40.9	-49.0	Southampton	OOCL Nagoya
4400864	13614150	MSB	EU	20120213	40.9	-52.0	Southampton	OOCL Nagoya
4400865	11022610	MSB	EU	20120220	44.9	-46.0	Fos-sur-Mer	Endurance
4400866	11020180	MSB	EU	20120221	52.6	-51.0	Le Havre	OOCL Belgium
4400867	11022740	MSB	EU	20120221	45.4	-49.2	Fos-sur-Mer	Endurance
4400868	11024050	MSB	EU	20120221	52.8	-48.9	Le Havre	OOCL Belgium
6200518	11024270	MSB	EU	20120208	41.0	-25.0	Fos-sur-Mer	Lisbon Express
6200519	13114260	MSB	EU	20120208	45.0	-29.0	Southampton	OOCL Nagoya
6200520	13611180	MSB	EU	20120208	44.6	-32.0	Southampton	OOCL Nagoya
6200677	11022050	MSB	EU	20120209	41.7	-29.0	Fos-sur-Mer	Lisbon Express
6200678	11029050	MSB	EU	20120219	53.7	-30.0	Le Havre	OOCL Belgium
6200679	11029170	MSB	EU	20120219	53.8	-32.0	Le Havre	OOCL Belgium
6200697	11020160	MSB	EU	20120202	40.0	-31.0	Fos-sur-Mer	Milan Express
6400522	11029150	MSB	EU	20120207	60.1	-32.7	Halifax	Reykjafoss
6400608	13118270	MSB	EU	20120219	60.7	-11.9	Rotterdam	Selfoss
6400609	13806460	MSB	EU	20120223	63.1	-17.0	Rotterdam	Selfoss
	11020060	MSB	EU	20120210	42.6	-38.0	Fos-sur-Mer	Lisbon Express (failed at deployment)
	11021710	MSB	EU	20120221	45.9	-52.0	Fos-sur-Mer	Endurance (failed at deployment)

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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	696	-	-	X	X	S	-	-	X	-	-	-	T	0102-2902	85.10	-150.47	162
2500616	10824160	MSB	EU	696	-	-	X	X	-	-	-	X	-	-	-	T	0102-2902	87.04	-162.43	172
4800602	10826110	MSB	EU	696	-	-	X	X	-	-	-	X	-	-	-	T	0102-2902	84.91	-91.08	182
4800611	10826630	MSB	EU	696	-	-	X	X	-	-	-	X	-	-	-	T	0102-2902	83.36	-129.32	176

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	678	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	29.45	-52.70	388
4100573	37414	TSB	UP	676	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	25.06	-59.25	377
4100591	39101	TSB	UP	680	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	40.56	-37.08	377
4100717	83402	TSB	UP	675	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	37.58	-54.87	1137
4100915	39095	TSB	UP	677	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.15	-73.81	440
4100957	38569	TSB	UP	683	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	28.08	-31.71	438
4400546	12296030	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	58.66	-22.45	172
4400547	10133070	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	43.61	-32.49	133
4400548	10820160	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	61.76	-17.69	123
4400549	11025170	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0702-2902	58.20	-35.29	24
4400550	10139120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	39.57	-36.55	133
4400551	11027150	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0702-2902	40.72	-42.22	24
4400602	10825110	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	62.09	-15.56	123
4400603	10828630	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	49.96	-27.67	119
4400604	10136120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	44.56	-33.76	133
4400605	10137040	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	43.69	-26.83	132
4400607	10826620	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	52.81	-36.24	119
4400608	10820170	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	40.97	-47.19	118
4400609	10821540	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	44.54	-51.88	34
4400610	11028150	MSB	EU	562	-	-	X	X	X	-	-	X	-	-	-	T	0602-2902	57.52	-35.59	24
4400612	13012860	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	58.26	-26.90	509
4400614	10305940	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	50.60	-38.72	39
4400615	11023600	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	51.88	-36.44	38
4400616	11813550	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	52.09	-46.23	38
4400620	11022170	MSB	EU	514	-	-	X	X	X	-	-	X	-	-	-	T	0802-2902	45.90	-39.92	23
4400621	13010860	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	51.84	-39.68	193
4400623	13803440	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	63.40	-20.03	192
4400625	11502100	MSB	EU	562	-	-	X	X	X	-	-	X	-	-	-	T	0602-2902	53.59	-41.83	25
4400668	12760910	MSB	CA	696	-	-	X	X	X	-	-	-	-	-	-	O	0102-2902	37.69	-40.12	196
4400739	11023610	MSB	EU	442	-	-	X	X	X	-	-	X	-	-	-	T	1102-2902	41.84	-37.96	20
4400744	13805450	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	43.47	-44.20	84
4400745	13010870	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	52.76	-43.62	84
4400746	13357510	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	52.84	-35.39	83
4400747	11029160	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0702-2902	39.37	-40.86	24
4400764	10822150	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	56.95	-33.12	122
4400767	11919510	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	49.38	-40.35	34
4400768	11912520	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	48.13	-36.57	35
4400770	13013830	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	38.47	-21.42	272
4400777	13118260	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	45.78	-18.91	257
4400844	37533	TSB	UP	674	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	38.29	-29.94	307
4400863	13015840	MSB	EU	394	-	-	X	X	X	-	-	X	-	-	-	T	1302-2902	44.07	-42.78	20
4400864	13614150	MSB	EU	394	-	-	X	X	X	-	-	X	-	-	-	T	1302-2902	41.01	-50.97	19
4400865	11022610	MSB	EU	202	-	-	X	X	X	-	-	X	-	-	-	T	2102-2902	45.54	-41.60	10
4400866	11020180	MSB	EU	202	-	-	X	X	X	-	-	X	-	-	-	T	2102-2902	51.45	-49.32	9
4400867	11022740	MSB	EU	202	-	-	X	X	X	-	-	X	-	-	-	T	2102-2902	44.63	-49.59	9
4400868	11024050	MSB	EU	193	-	-	X	X	X	-	-	X	-	-	-	T	2102-2902	53.20	-49.30	9
4400880	83428	TSB	UP	681	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	27.74	-49.52	790
4400903	70822	TSB	UP	673	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	42.52	-34.58	1716
6200518	11024270	MSB	EU	490	-	-	X	X	X	-	-	X	-	-	-	T	0902-2902	42.95	-27.59	22
6200519	13114260	MSB	EU	490	-	-	X	X	X	-	-	X	-	-	-	T	0902-2902	44.73	-28.31	22
6200520	13611180	MSB	EU	490	-	-	X	X	X	-	-	X	-	-	-	T	0902-2902	45.03	-28.03	22
6200553	10827630	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	51.94	-20.02	120
6200597	10301840	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	50.38	-30.03	39
6200677	11022050	MSB	EU	466	-	-	X	X	X	-	-	X	-	-	-	T	1002-2902	42.45	-27.95	21
6200678	11029050	MSB	EU	226	-	-	X	X	X	-	-	X	-	-	-	T	2002-2902	53.58	-29.58	11
6200679	11029170	MSB	EU	226	-	-	X	X	X	-	-	X	-	-	-	T	2002-2902	54.77	-31.60	11
6200694	10826610	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	51.84	-21.41	120
6200695	10132120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	46.96	-20.63	134
6200696	11917510	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	45.75	-34.30	36

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6200697	11020160	MSB	EU	634	-	-	X	X	X	-	-	X	-	-	-	T	0302-2902	40.46	-29.14	28
6200712	10137120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	47.45	-19.79	134
6200714	10827620	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	60.78	-12.02	124
6200722	37773	TSB	UP	683	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	32.76	-20.16	491
6200724	39074	TSB	UP	681	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	36.78	-25.89	305
6300635	10427190	MSB	EU	696	-	-	X	X	S	-	-	X	-	-	-	T	0102-2902	76.35	15.20	205
6400518	13112270	MSB	EU	693	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	60.89	-4.84	96
6400519	13013860	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	61.94	-17.17	91
6400520	12486100	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	63.13	-20.82	81
6400522	11029150	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0702-2902	59.24	-28.07	23
6400608	13118270	MSB	EU	227	-	-	X	X	X	-	-	X	-	-	-	T	2002-2902	59.90	-9.68	11
6400609	13806460	MSB	EU	131	-	-	X	X	X	-	-	X	-	-	-	T	2402-2902	63.61	-14.46	7
6400612	12582420	MSB	EU	878	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	63.57	-38.24	191
6400614	13200710	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.80	-30.77	173
6400615	13204760	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	49.96	-21.92	173

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400606	10327610	MSB	EU	20120210	54.8	-13.8	100	AP failed
4400617	11023160	MSB	EU	20120214	49.2	-49.4	22	Failed for unknown reason
4400624	13016860	MSB	EU	20120214	57.3	-16.1	178	AP failed
4400762	12487120	MSB	EU	20120202	50.5	-20.0	295	Battery (quickly drained)
4400765	10820150	MSB	EU	20120214	60.1	-21.8	108	AP failed (rehabilitated on March 2 nd)
6200536	13115270	MSB	EU	20120229	43.5	-25.7	273	Battery (quickly drained)
6200551	13016850	MSB	EU	20120206	40.7	-23.3	236	AP failed (rehabilitated on March 2 nd)
6200552	13804460	MSB	EU	20120211	45.4	-18.3	240	Battery (quickly drained)
6200599	10824620	MSB	EU	20120202	64.1	-1.9	212	Battery (quickly drained)
6200905	70820	TSB	UP	20120210	33.4	-53.2	1699	Faded
6300640	10825620	MSB	EU	20120224	80.0	15.8	200	AP failed
6400521	12874080	MSB	EU	20120221	66.1	-27.0	73	AP failed
6400613	13110270	MSB	EU	20120216	65.4	-23.8	177	Ashore in Iceland
6400616	13017590	MSB	EU	20120206	66.6	9.2	143	Battery (quickly drained)
6400617	13111270	MSB	EU	20120210	65.2	5.0	141	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	696	-	X	-	-	-	-	-	-	-	-	-	T	0102-2902	87.06	-171.28	160
4100912	39092	TSB	UP	668	-	-	-	-	X	-	-	X	-	-	-	L	0102-2902	35.99	-55.27	440
4400606	10327610	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0102-2902	54.76	-13.81	119
4400624	13016860	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0102-2902	57.35	-16.10	193
4400669	12658810	MSB	CA	696	-	-	-	-	X	-	-	X	-	-	-	O	0102-2902	47.84	-23.58	196
4400765	10820150	MSB	EU	695	-	-	S	S	X	-	-	X	-	-	-	T	0102-2902	60.08	-21.78	123
4400835	89827	TSB	UP	679	-	-	-	-	X	-	-	X	-	-	-	L	0102-2902	64.01	-5.35	534
4400884	37413	TSB	UP	1634	-	-	-	-	X	-	-	X	-	-	-	L	0102-2902	57.76	-35.42	519
4400885	39086	TSB	UP	676	-	-	-	-	X	-	-	X	-	-	-	L	0102-2902	48.78	-18.66	307
4400913	83423	TSB	UP	684	-	-	-	-	X	-	-	X	-	-	-	L	0102-2902	69.54	10.21	535
6200551	13016850	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0102-2902	40.66	-23.35	259
6200926	83427	TSB	UP	673	-	-	-	-	X	-	-	X	-	-	-	L	0102-2902	71.19	23.42	787
6300636	10820110	MSB	EU	690	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	71.24	-9.88	204
6400521	12874080	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0102-2902	66.11	-27.02	81
6400617	13111270	MSB	EU	694	-	-	S	S	X	-	-	X	-	-	-	T	0102-2902	65.23	5.04	160

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400905	70818	TSB	UP	20120217	37.0	-48.3	1701	Faded
6200538	10055100	MSB	EU	20120228	40.5	-14.3	265	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		678	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.31	-32.24
1300568	71025	AOML		673	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	20.53	-64.44
1300569	71026	AOML		668	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	26.25	-51.35

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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	696	X	X	X	X	X	X	X	-	-	X	-	T	0102-2902	43.40	7.80
6100002	Lion	684	X	X	X	X	X	X	X	-	-	-	-	T	0102-2902	42.10	4.70
6200001	Gascogne	696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	45.30	-5.00
6200029	K1	693	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	48.70	-12.50
6200081	K2	696	-	X	X	X	X	X	-	-	-	X	-	O	0102-2902	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	695	X	X	X	-	X	-	-	-	-	X	X	O	0102-2902	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50
6200093	M4	695	S	X	S	-	X	X	-	-	-	-	X	O	0102-2902	54.70	-9.10
6200094	M5	692	X	X	X	S	X	S	-	-	-	X	-	O	0102-2902	51.70	-6.70
6200095	M6	697	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	53.10	-15.90
6200105	K4	696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	47.50	-8.40
6400045	K5	694	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	59.10	-11.70
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	563	X	X	X	-	X	X	X	-	-	-	-	O	0102-2902	28.18	-15.82
1300131	Tenerife Sur	594	X	X	X	-	X	X	X	-	-	-	-	O	0102-2902	28.00	-16.58
6100196	C. Begur	134	S	S	S	-	-	S	-	-	-	-	-	-	0102-1002	41.92	3.65
6100197	Mahon	78	S	S	S	-	-	S	-	-	-	-	-	-	0102-0702	39.72	4.42
6100198	C. de Gata	594	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	36.57	-2.33
6100280	Tarragona	594	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	40.77	1.47
6100281	Valencia	594	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	39.47	-0.27
6100417	C. de Palos	594	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	37.65	-0.32
6100430	Dragonera	587	X	X	X	-	X	S	-	-	-	-	-	O	0102-2902	39.56	2.11
6200024	Bilbao-Visc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.63	-3.03
6200025	C. de Penas	594	S	X	X	-	X	X	X	-	-	-	X	O	0102-2902	43.73	-6.17
6200082	E. de Bares	594	X	X	X	-	X	X	X	-	-	-	-	O	0102-2902	44.13	-7.69
6200083	Villano-Sis.	594	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	43.48	-9.22
6200084	C. Silleiro	589	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	42.12	-9.43
6200085	G. de Cadiz	594	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	36.48	-6.97
0	Santander	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.84	-3.77

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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		642	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	37.44	15.15
6100208		559	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	37.52	12.53
6100209		642	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	38.26	13.33
6100210		640	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	39.02	17.22
6100211		628	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	39.45	15.92
6100212			-	-	-	-	-	-	-	-	-	-	-			40.62	9.89
6100213			-	-	-	-	-	-	-	-	-	-	-			40.55	8.11
6100214		631	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	40.87	12.95
6100215			-	-	-	-	-	-	-	-	-	-	-			40.98	17.38
6100216		538	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	42.24	11.55
6100218		625	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	43.83	13.72
6100219		641	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	43.93	9.83
6100220		582	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	45.33	12.52
6100221		642	-	-	-	-	X	X	-	-	-	-	-	O	0102-2902	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			-	-	-	-	-	-	-	-	-	-	-			39.10	24.50
6101001			-	-	-	-	-	-	-	-	-	-	-			37.60	23.60
6101002			-	-	-	-	-	-	-	-	-	-	-			37.00	22.10
6101003		212	X	X	X	-	X	X	-	-	-	-	-	O	0102-2902	40.00	24.70
6101004		212	X	X	X	-	X	X	-	-	-	-	-	O	0102-2902	39.10	25.80
6101005		211	X	X	-	-	X	X	-	-	-	-	-	O	0102-2902	37.50	25.50
6101006		212	X	-	X	-	X	X	-	-	-	-	-	O	0102-2902	36.30	25.50
6101007			-	-	-	-	-	-	-	-	-	-	-			35.80	24.90
6101008			-	-	-	-	-	-	-	-	-	-	-			36.80	21.60
6101009			-	-	-	-	-	-	-	-	-	-	-			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		-	-	-	-	-	-	-	-	-	-	-			43.80	9.10
6200052	Ushant		-	-	-	-	-	-	-	-	-	-	-			48.50	-5.80
6200442	PAP	695	X	-	X	X	X	-	-	-	-	-	-	O	0102-2902	49.00	-16.40
6600021	Arkona Becken		-	-	-	-	-	-	-	-	-	-	-			54.90	13.90
6600022	Oder Bank	25	S	S	-	-	S	-	-	-	-	-	-		0102-0202	54.10	14.20
6600024	Darsser Schwell		-	-	-	-	-	-	-	-	-	-	-			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		315	X	X	-	-	X	-	-	-	-	X	-	L	0102-2902	11.49	-38.40
4100040	West Atlantic	688	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	14.50	-53.00
4100041	Mid. Atlantic	689	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	14.50	-46.00
4100043	Porto Rico	695	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	21.00	-65.00
4100044		695	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	21.70	-58.70
4100046		695	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	23.90	-70.90
4100047			-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
4100048		696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	32.00	-69.60
4100049		696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	27.50	-53.00
4100100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-			15.90	-57.90

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4100101 E Martinique	688	X	X	X	X	X	X	-	-	-	X	-	T	0102-2902	14.60	-56.20
4100139	376	X	X	X	-	X	-	-	-	-	X	-	L	0102-2902	20.02	-37.86
4200059 Caraibes	696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	15.00	-67.50
4400008 A Nantucket	693	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	40.50	-69.40
4400011 D Georges Bk	696	X	X	X	X	X	X	-	-	-	S	-	O	0102-2902	41.10	-66.60
4400018 SE Cape Cod	190	X	X	X	X	X	X	-	-	-	X	-	O	2202-2902	41.30	-69.30
4400024 NNE Channel	684	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	42.30	-65.90
4400137 E Scotia Sl.	685	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	42.30	-62.00
4400138 SW Gd Banks	560	S	S	S	S	S	S	-	-	-	-	-	-	0102-2502	44.30	-53.60
4400139 Beanquereau	678	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	44.30	-57.10
4400140 Tail of Bk	406	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	43.80	-51.70
4400141 Larentian F	681	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	43.00	-58.00
4400150 La Have Bk	582	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	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, February 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120229	2500615	13409520	696	0	-0.2	0.4
20120229	2500616	10824160	696	0	-0.0	0.6
20120229	2600554	10828610	696	0	-0.3	1.0
20120229	4100557	83404	668	0	-0.1	1.0
20120229	4100561	39073	677	0	0.1	0.5
20120229	4100573	37414	675	0	0.1	0.7
20120229	4100591	39101	679	0	0.0	0.5
20120229	4100717	83402	675	1	-0.2	0.7
20120229	4100915	39095	677	0	0.9	2.6
20120229	4100957	38569	683	0	-0.2	0.4
20120229	4400546	12296030	695	1	0.5	1.0
20120229	4400547	10133070	696	7	0.0	0.8
20120229	4400548	10820160	695	1	-0.1	1.6
20120229	4400549	11025170	538	0	0.0	0.6
20120229	4400550	10139120	696	0	0.1	0.5
20120229	4400551	11027150	538	0	-0.2	0.6
20120229	4400602	10825110	695	23	-0.0	1.8
20120229	4400603	10828630	696	0	0.2	0.7
20120229	4400604	10136120	696	32	-0.5	2.1
20120229	4400605	10137040	696	0	0.4	0.4
20120210	4400606	10327610	230	49	-1.8	2.9
20120229	4400607	10826620	696	0	-0.0	0.8
20120229	4400608	10820170	696	1	0.4	1.0
20120229	4400609	10821540	696	0	0.4	0.8
20120229	4400610	11028150	562	0	-0.1	0.7
20120229	4400612	13012860	696	6	-0.3	1.6
20120229	4400614	10305940	696	0	0.1	0.9
20120229	4400615	11023600	696	0	-0.3	0.7
20120229	4400616	11813550	696	0	0.0	0.8
20120214	4400617	11023160	329	6	0.3	1.8
20120229	4400620	11022170	514	2	-0.0	0.9
20120229	4400621	13010860	696	0	0.2	0.7
20120229	4400623	13803440	696	1	-0.2	0.8
20120214	4400624	13016860	326	72	-1.1	3.2
20120229	4400625	11502100	562	0	0.1	0.7
20120229	4400668	12760910	696	0	-0.4	1.7
20120229	4400739	11023610	442	0	0.0	0.6
20120229	4400744	13805450	696	63	-0.1	1.4
20120229	4400745	13010870	696	0	-0.3	0.8
20120229	4400746	13357510	696	0	-0.1	0.9
20120229	4400747	11029160	538	0	-0.0	0.5
20120202	4400762	12487120	44	0	0.4	0.4
20120229	4400764	10822150	695	0	-0.3	1.3
20120214	4400765	10820150	325	70	-0.7	3.0
20120229	4400767	11919510	696	0	-0.2	0.8
20120229	4400768	11912520	696	1	-0.0	0.9
20120229	4400770	13013830	696	0	-0.0	0.3
20120229	4400777	13118260	538	0	-0.1	0.3
20120229	4400844	37533	674	0	0.1	0.4
20120229	4400878	83398	670	1	0.2	0.4
20120229	4400863	13015840	394	5	0.1	1.2
20120229	4400864	13614150	394	0	0.1	0.7
20120229	4400865	11022610	202	0	0.2	1.0
20120229	4400866	11020180	202	0	0.1	0.8
20120229	4400867	11022740	202	0	-0.2	0.8
20120229	4400868	11024050	193	0	0.2	0.8
20120229	4400880	83428	681	0	0.1	0.5
20120229	4400903	70822	638	0	0.0	0.5
20120229	4800602	10826110	696	0	-0.4	0.4
20120229	4800611	10826630	696	0	-0.3	0.5
20120229	6200518	11024270	490	0	0.1	0.3
20120229	6200519	13114260	490	0	0.1	0.4

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20120229	6200520	13611180	490	0	0.0	0.4
20120229	6200536	13115270	689	0	-0.4	0.3
20120206	6200551	13016850	134	49	-3.5	3.0
20120211	6200552	13804460	241	0	-0.3	0.3
20120229	6200553	10827630	696	0	0.3	0.6
20120229	6200597	10301840	696	0	0.1	0.7
20120202	6200599	10824620	45	0	0.3	0.2
20120229	6200677	11022050	466	0	0.0	0.3
20120229	6200678	11029050	226	0	0.0	1.0
20120229	6200679	11029170	226	0	-0.0	0.9
20120229	6200694	11020160	696	0	0.2	0.6
20120229	6200695	10132120	696	0	0.1	0.4
20120229	6200696	11917510	696	0	-0.0	0.7
20120229	6200697	12291040	634	0	-0.1	0.4
20120229	6200712	10137120	696	0	0.2	0.3
20120229	6200714	10827620	695	0	0.1	0.8
20120229	6200722	37773	683	0	0.0	0.4
20120229	6200724	39074	680	0	0.0	0.3
20120210	6200905	70820	102	0	0.2	0.6
20120229	6200932	89812	678	0	-0.1	0.3
20120229	6300635	10427190	696	16	0.0	1.8
20120206	6300640	10825620	134	29	-0.1	2.7
20120229	6400518	13112270	696	0	0.2	0.6
20120229	6400519	13013860	696	0	0.2	0.8
20120229	6400520	12486100	696	1	-0.2	1.4
20120221	6400521	12874080	494	73	-0.2	1.8
20120229	6400522	11029150	538	0	-0.1	0.8
20120229	6400608	13118270	227	0	0.4	0.7
20120229	6400609	13806460	131	0	0.3	0.6
20120229	6400612	12582420	878	112	-0.7	2.5
20120216	6400613	13110270	366	2	-0.2	1.0
20120229	6400614	13200710	696	0	0.6	0.9
20120229	6400615	13204760	696	13	0.0	0.8
20120206	6400616	13017590	138	0	0.1	0.7
20120210	6400617	13111270	229	106	-0.6	1.2

Air Pressure (hPa), moored buoys, February 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120229	1300130		563	0	0.9	0.6
20120229	1300131		594	0	0.2	0.6
20120229	6100001		695	0	-0.5	0.5
20120229	6100002		684	0	0.2	0.6
20120210	6100196		134	20	3.0	3.8
20120207	6100197		78	0	-0.3	0.6
20120229	6100198		594	0	0.2	0.6
20120229	6100280		594	0	0.0	0.7
20120229	6100281		594	0	0.3	0.7
20120229	6100417		594	0	0.3	0.6
20120229	6100430		587	0	-1.0	0.7
20120229	6101003		212	0	0.1	0.7
20120229	6101004		212	0	0.0	0.7
20120229	6101006		212	0	0.3	0.8
20120229	6200001		696	0	0.0	0.4
20120229	6200025		594	0	0.3	0.6
20120229	6200029		693	2	-0.1	0.7
20120229	6200081		696	0	-0.0	0.4
20120229	6200082		594	0	0.6	0.5
20120229	6200083		594	0	0.4	0.6
20120229	6200084		589	0	0.2	0.6
20120229	6200085		594	0	0.3	0.6
20120229	6200091		695	0	0.1	0.5
20120228	6200093		658	0	-0.1	0.7
20120229	6200094		518	2	0.1	0.5
20120229	6200095		696	0	-0.0	0.5
20120229	6200105		696	0	-0.2	0.5
20120229	6200163		696	0	0.1	0.4
20120229	6400045		694	1	-0.2	0.6

Air Temperature (C), drifting buoys, February 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
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20120229 2500619 57010 696 55 4.1 5.1

Air Temperature (C), moored buoys, February 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120229	1300130		563	0	-0.8	0.3
20120229	1300131		594	0	0.1	0.5
20120229	6100001		695	0	-1.5	0.8
20120229	6100002		684	0	-2.6	2.0
20120210	6100196		134	0	-1.7	0.7
20120207	6100197		78	0	-0.9	0.8
20120229	6100198		594	0	-0.7	0.6
20120229	6100280		594	0	-0.1	0.7
20120229	6100281		594	0	-0.6	0.6
20120229	6100417		594	0	-3.7	0.5
20120229	6100430		587	0	-0.2	0.7
20120229	6101003		208	0	1.5	0.9
20120229	6101004		185	0	-0.6	0.8
20120229	6101005		211	0	-1.1	0.8
20120229	6200001		696	0	-0.2	0.5
20120229	6200025		594	0	-0.8	0.6
20120229	6200029		693	0	-0.0	0.5
20120229	6200081		696	0	0.2	0.5
20120229	6200082		594	0	-0.6	0.5
20120229	6200083		594	0	0.0	0.4
20120229	6200084		589	0	0.1	0.7
20120229	6200085		594	0	-0.4	0.6
20120229	6200091		695	0	0.1	0.4
20120229	6200093		695	0	0.0	0.5
20120229	6200094		519	0	0.1	0.7
20120229	6200095		687	0	0.0	0.6
20120229	6200105		696	0	0.1	0.5
20120229	6200163		696	0	-2.1	0.9
20120229	6400045		694	0	-0.2	0.8
20120202	6600022		25	0	-0.5	0.3

Wind direction (deg.), moored buoys, February 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120229	1300130		563	3	17	21
20120229	6100001		696	31	5	20
20120210	6100196		132	0	4	9
20120207	6100197		77	0	-5	13
20120229	6100198		585	23	-13	32
20120229	6100280		590	30	-3	25
20120229	6100281		574	25	10	30
20120229	6100417		553	13	5	25
20120229	6101003		211	19	-5	41
20120229	6101004		212	6	-2	26
20120229	6101005		210	3	-7	27
20120229	6101006		211	1	-5	18
20120229	6200001		695	5	-3	16
20120210	6200025		131	54	-162	53
20120229	6200029		692	6	-3	15
20120229	6200082		593	0	-8	14
20120229	6200083		585	7	-16	22
20120229	6200084		561	17	-10	25
20120229	6200085		594	15	-6	22
20120229	6200091		695	4	6	16
20120228	6200093		658	4	6	12
20120229	6200094		564	57	-0	19
20120229	6200095		695	5	-4	13
20120229	6200105		695	3	-1	11
20120229	6200163		694	6	-2	20
20120229	6400045		692	7	-3	14
20120202	6600022		25	0	-9	6

Wind speed rate, moored buoys, February 2012

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Datend	WMO	Telcom	Recvd	GE	Rate	Err
20120229	1300130		563	0	1.0	1.3
20120229	6100001		696	0	1.2	2.5
20120210	6100196		132	0	0.9	2.3
20120207	6100197		77	0	1.0	1.4
20120229	6100198		585	0	1.3	2.4
20120229	6100280		590	0	1.2	1.7
20120229	6100281		574	0	1.3	1.9
20120229	6100417		553	0	0.9	1.8
20120229	6101003		211	1	1.1	2.3
20120229	6101004		212	0	1.0	2.2
20120229	6101005		210	0	0.9	2.3
20120229	6101006		211	0	0.9	2.0
20120229	6200001		695	1	1.0	1.1
20120210	6200025		131	4	0.4	5.0
20120229	6200029		692	0	1.0	1.0
20120229	6200082		593	0	0.9	1.3
20120229	6200083		585	0	1.0	1.6
20120229	6200084		561	0	1.0	1.2
20120229	6200085		594	0	1.0	1.3
20120229	6200091		695	0	0.9	1.5
20120228	6200093		658	0	0.9	1.4
20120229	6200094		558	25	1.1	1.6
20120229	6200095		695	0	0.9	1.7
20120229	6200105		695	0	1.0	1.2
20120229	6200163		694	0	1.1	1.1
20120229	6400045		692	2	1.0	1.5
20120202	6600022		25	0	1.4	0.9

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoys WMO **4400606**, **4400624**, **4400765**, **6200551**, **6300640**, **6400521** and **6400617** 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 **4400602**, **4400604**, **4400744**, **6300635** and **6400612** reported wrong pressure values temporarily. The GTS transmission was not stopped for them.
3. Spanish moored buoy WMO **6100196** also reported wrong pressure values before the transmission was stopped for this parameter.

Air temperature

4. 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 February (bias = 4.1°C, standard deviation = 5.1 °C).
5. One air temperature sensor failed on Lion moored buoy (WMO **6100002**) . The second sensor is now used for GTS transmission.
6. Spanish moored buoy WMO **6100417** has been reporting biased air temperature values since the end of November. GTS transmission should be stopped at the beginning of March for this parameter.
7. Brittany moored buoy (WMO **6200163**) presents an increasing bias in air temperature: 1°C in January, 2°C in February.

Wind

8. Spanish moored buoy WMO **6200025** reported wrong wind data before the transmission was stopped for this parameter.

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9. Irish moored buoy WMO **6200094** (M5) reported some wrong wind data in February. However, they were fine back at the end of the month.

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.