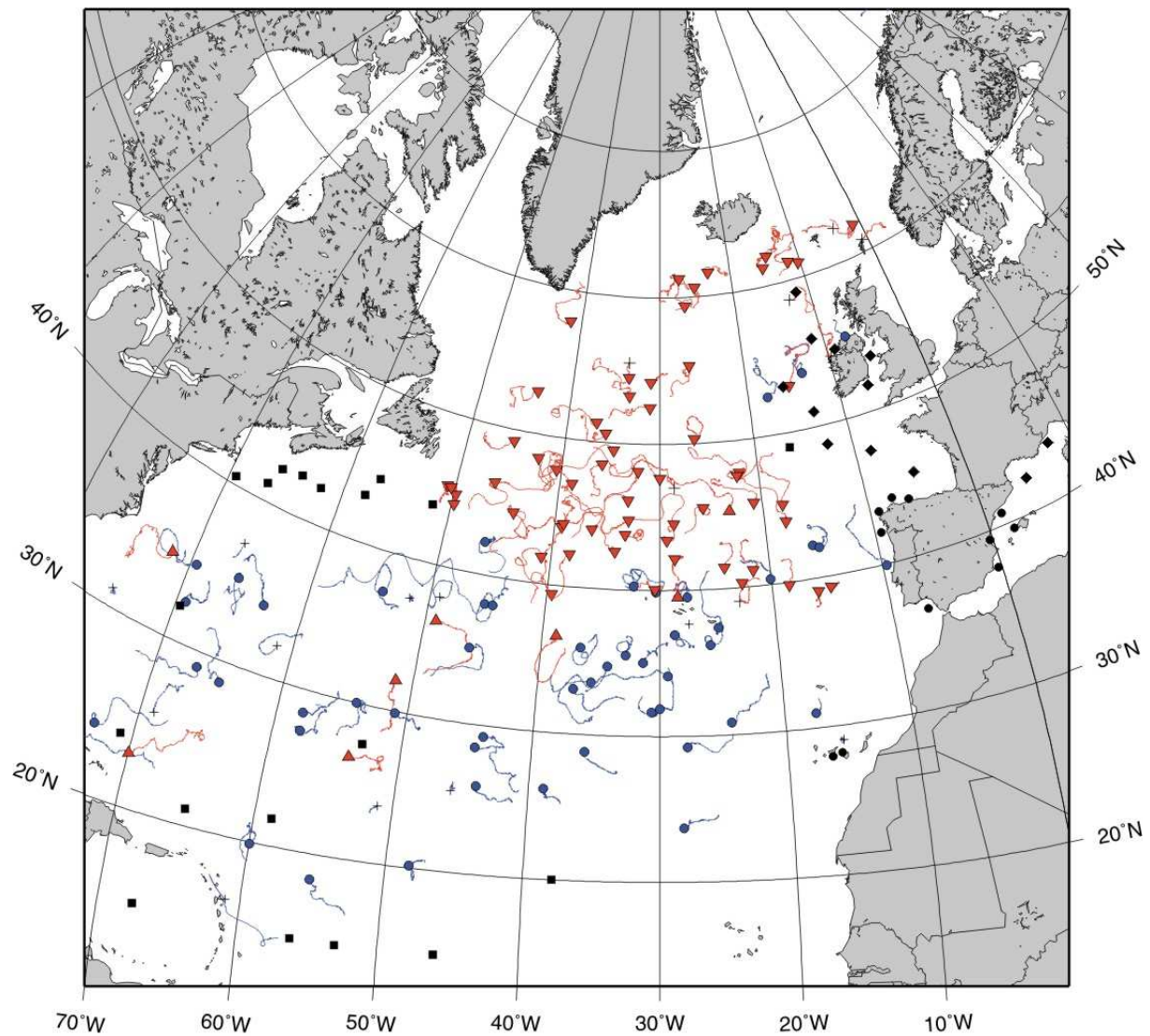
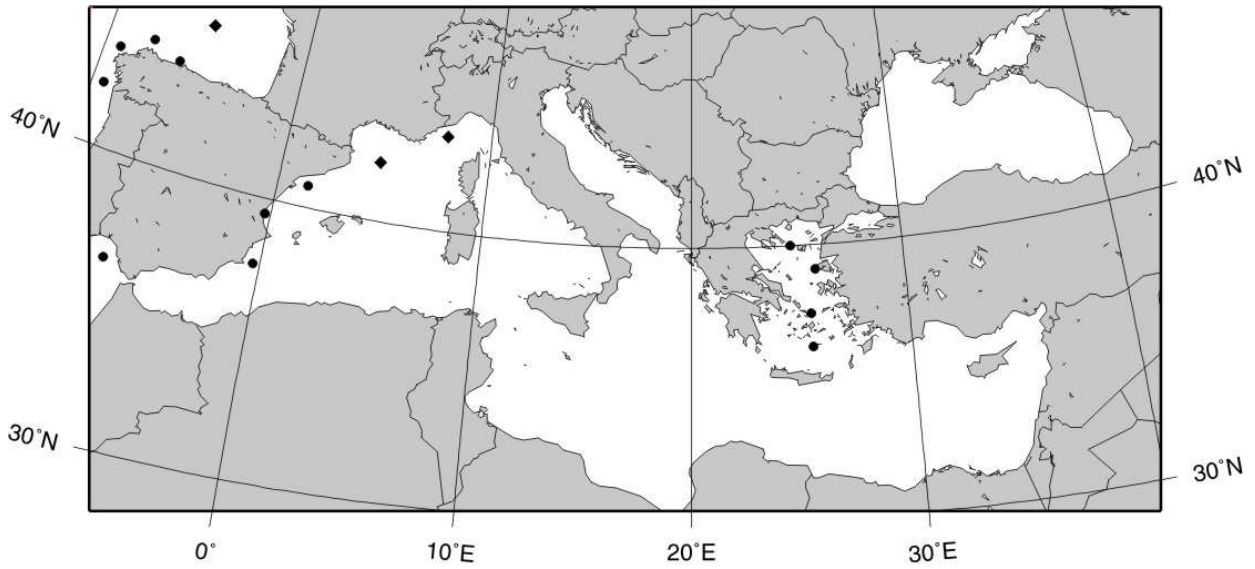


DATA BUOY MONTHLY REPORT

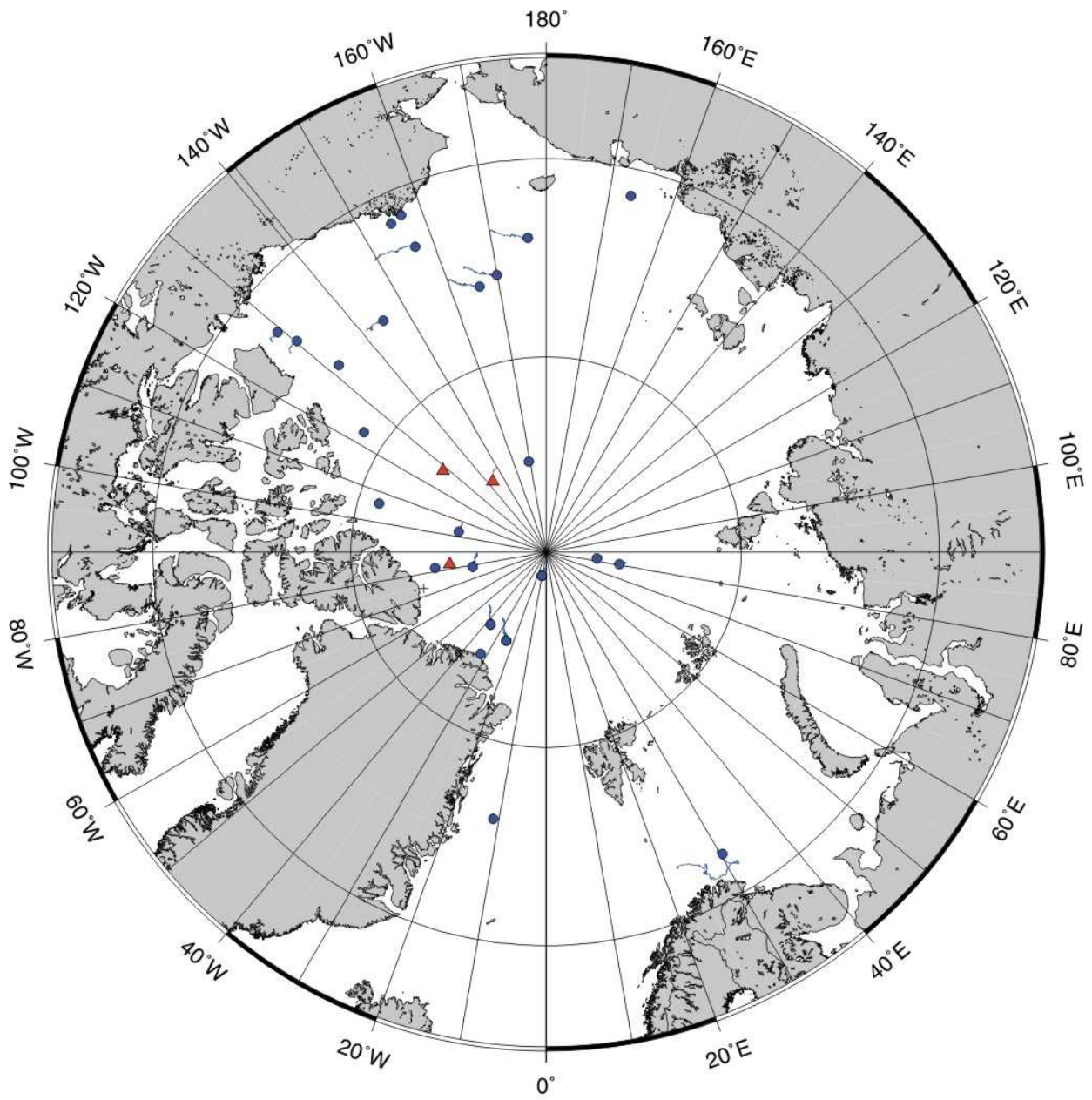
April 2012



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



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



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

DRIFTING BUOYS

Network status

By the end of April, **67 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 the buoys in operation, 57 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 50 minutes after the observation time 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

Air pressure measurements were released back onto the GTS for buoys WMO 4400612, 4400614, 4400835, 4400885 and 6400522 in May after realizing they seemed correct back. Excepted buoy WMO 4400612, this appeared suitable indeed.

The GTS data transmission of Iridium buoys - ensured by Meteo-France -, suffered from a slight trouble on April 2nd (2-3 observations out of the 24 hourly of that day were delivered in late or were not delivered for most of the buoys).

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400626	11814550	MSB	EU	20120406	47.8	-40.5	Southampton	OOCL Belgium
4400627	11028170	MSB	EU	20120406	44.8	-49.8	Southampton	OOCL Belgium
4400628	11029180	MSB	EU	20120406	46.2	-46.4	Southampton	OOCL Belgium
4400629	11021160	MSB	EU	20120406	48.4	-42.5	Southampton	OOCL Belgium

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	720	-	-	X	X	S	-	-	X	-	-	-	T	0104-3004	85.44	-142.80	223
4800602	10824160	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	85.01	-82.78	243
4800611	10826110	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	83.26	-128.24	237

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	713	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	31.97	-51.40	449
4100573	37414	TSB	UP	715	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	23.00	-69.97	438
4100591	39101	TSB	UP	714	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	40.26	-32.37	438
4100915	39095	TSB	UP	712	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	34.59	-71.68	501
4100957	38569	TSB	UP	712	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	28.82	-35.89	499
4400547	10133070	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	43.77	-33.28	194
4400548	10820160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.24	-15.31	184

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4400549	11025170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	59.38	-26.65	85
4400550	10139120	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	40.04	-30.45	194
4400551	11027150	MSB	EU	720	-	-	X	X	-	-	X	-	-	-	-	T	0104-3004	41.83	-40.87	85
4400604	10136120	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	47.79	-21.93	194
4400605	10137040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	47.59	-22.22	193
4400608	10820170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.00	-39.36	179
4400609	10821540	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.30	-50.80	95
4400615	11023600	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	55.30	-26.48	99
4400616	11813550	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	52.82	-43.80	99
4400620	11022170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.53	-28.67	84
4400621	13010860	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	52.47	-31.12	254
4400625	11502100	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	51.31	-36.87	86
4400626	11814550	MSB	EU	475	-	-	X	X	X	-	-	X	-	-	-	T	1004-3004	47.80	-40.49	25
4400627	11028170	MSB	EU	475	-	-	X	X	X	-	-	X	-	-	-	T	1004-3004	44.82	-49.78	25
4400628	11029180	MSB	EU	475	-	-	X	X	X	-	-	X	-	-	-	T	1004-3004	46.25	-46.36	25
4400629	11021160	MSB	EU	475	-	-	X	X	X	-	-	X	-	-	-	T	1004-3004	48.41	-42.51	25
4400739	11023610	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.21	-39.20	81
4400744	13805450	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.38	-39.58	145
4400745	13010870	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	50.61	-35.83	145
4400746	13357510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	53.23	-33.42	144
4400747	11029160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	42.20	-38.31	85
4400764	10822150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.27	-27.32	183
4400765	10820150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.95	-14.57	184
4400767	11919510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	48.51	-35.93	95
4400768	11912520	MSB	EU	376	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	47.68	-30.02	96
4400844	37533	TSB	UP	711	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	39.52	-28.40	368
4400863	13015840	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.78	-32.99	81
4400864	13614150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.49	-44.05	80
4400865	11022610	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	46.98	-38.79	71
4400866	11020180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	49.22	-45.27	70
4400867	11022740	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.17	-49.79	70
4400869	11026040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	46.13	-33.13	61
4400871	11025180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	54.50	-33.62	59
4400872	11027700	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	49.50	-34.87	45
4400873	11022600	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.21	-50.40	45
4400874	11023040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	42.60	-34.20	46
4400875	11021610	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.03	-36.45	45
4400880	83428	TSB	UP	713	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	26.52	-53.88	851
4400903	70822	TSB	UP	718	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	45.24	-23.27	1777
6200511	11026160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.31	-14.82	56
6200518	11024270	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.66	-20.84	83
6200519	13114260	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	43.43	-29.37	83
6200520	13611180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.58	-25.81	83
6200551	13016850	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	41.12	-21.53	320
6200554	11027160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.81	-18.46	55
6200555	11023170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.15	-15.99	56
6200556	11021170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	40.29	-22.62	55
6200597	10301840	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	50.33	-26.34	100
6200677	11022050	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	41.42	-24.12	82
6200678	11029050	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	54.20	-31.01	72
6200694	10826610	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	53.08	-15.24	181
6200695	10132120	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.27	-18.09	195
6200696	11917510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	48.11	-32.25	97
6200697	11020160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	42.17	-28.62	89
6200712	10137120	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.11	-17.98	195
6200722	37773	TSB	UP	709	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	30.83	-24.26	552
6200724	39074	TSB	UP	712	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	36.21	-25.71	366
6400519	13013860	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.24	-11.73	152
6400609	13806460	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.99	-1.12	68
6400612	12582420	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	57.92	-41.42	252

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4100912	39092	TSB	UP	20120429	36.4	-49.1	500	Battery
4400546	12296030	MSB	EU	20120429	61.0	-10.3	232	Battery (quickly drained)
4400602	10825110	MSB	EU	20120409	62.3	-3.9	163	Battery (quickly drained)
4400606	10327610	MSB	EU	20120425	54.3	-9.7	175	Ashore in Ireland
4400607	10826620	MSB	EU	20120408	55.5	-33.6	158	Unknown
4400614	10305940	MSB	EU	20120418	47.0	-28.6	100	AP failed (rehabilitated on May 11th)
4400624	13016860	MSB	EU	20120427	58.7	-12.8	251	Battery (quickly drained)
4400770	13013830	MSB	EU	20120401	39.0	-23.0	304	Battery (quickly drained)
6400608	13118270	MSB	EU	20120427	60.8	-0.8	69	Ashore in Shetland

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6400614 13200710 MSB EU 20120429 60.6 -25.3 233 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
4400612	13015860	MSB	EU	720	-	-	-	-	X	-	-	X	-	-	-	T	0104-3004	60.91	-24.14	143
4400614	10305940	MSB	EU	720	-	-	S	S	X	-	-	X	-	-	-	T	0104-3004	47.02	-28.57	100
4400669	12658810	MSB	CA	676	-	-	-	-	X	-	-	X	-	-	-	O	0104-2904	47.60	-18.58	256
4400835	89827	TSB	UP	709	-	-	-	-	X	-	-	X	-	-	-	L	0104-3004	63.76	-3.04	595
4400885	39086	TSB	UP	712	-	-	-	-	X	-	-	X	-	-	-	L	0104-3004	44.62	-19.32	368
6200926	83427	TSB	UP	715	-	-	-	-	X	-	-	X	-	-	-	L	0104-3004	70.87	35.00	848
6400522	11029150	MSB	EU	720	-	-	-	-	X	-	-	X	-	-	-	T	0104-3004	61.58	-23.14	84

Non-operating drifting buoys which ceased to emit

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400905	70818	TSB	UP	20120403	37.0	-46.3	1747	Battery
4400913	83423	TSB	UP	20120425	69.2	16.1	591	Battery
6200714	10827620	MSB	EU	20120401	61.2	-6.5	156	Unknown
6300640	10825620	MSB	EU	20120417	79.8	18.1	253	Battery (quickly drained)
6400521	12874080	MSB	EU	20120410	66.4	-30.1	122	Uknown

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		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	33.08	-37.08
1300522	104132	AOML		711	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	31.88	-29.98
1300527	44092	AOML		122	-	-	X	X	X	-	-	X	-	-	-	L	2404-3004	30.99	-17.51
1300530	104131	AOML		711	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	31.66	-30.67
1300569	71026	AOML		712	-	-	X	X	X	-	-	-	-	-	-	L	0104-3004	30.02	-54.09
1300570	40180	AOML		709	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	35.06	-31.41
1300600	43869	AOML		711	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	33.59	-35.66
1300621	44096	AOML		565	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	23.72	-28.18
1300635	44115	AOML		580	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	25.92	-44.00
1300962	37643	AOML		715	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	35.92	-36.67
3100720	109456	LODYC		1387	-	-	X	-	X	-	-	X	-	-	X	T	0104-3004	4.59	-25.11
3100722	42804	LODYC		1137	-	-	X	-	X	-	-	X	-	-	X	T	0104-3004	10.53	-41.40
4100555	92960	AOML		490	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	29.24	-27.83
4100565	39216	AOML		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	36.60	-38.81
4100572	39640	AOML		712	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	19.89	-59.98
4100575	39668	AOML		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	37.40	-54.04
4100590	102553	AOML		598	-	-	X	X	-	-	-	X	-	-	-	L	0104-3004	55.28	-7.44
4100593	39236	AOML		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	27.43	-57.90
4100595	37638	AOML		714	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	29.24	-43.86
4100607	39252	AOML		715	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	20.17	-48.30
4100608	40294	AOML		714	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	52.59	-17.83
4100617	104138	AOML		706	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	28.55	-58.01
4100632	39232	AOML		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	28.49	-44.38
4100670	39237	AOML		713	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	29.89	-50.97
4100676	104127	AOML		715	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	34.74	-34.35
4100733	36606	AOML		1385	-	-	X	-	X	-	-	X	-	-	X	T	0104-3004	26.18	-38.87
4100736	11129760	AOML		99	-	-	X	X	X	-	-	X	-	-	X	T	2604-3004	34.61	-69.53
4100903	92916	AOML		715	-	-	X	X	X	-	-	-	-	-	-	T	0104-3004	30.77	-69.11
4100916	40047	AOML		715	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	35.02	-65.92
4100924	39190	AOML		712	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	38.08	-45.25
4100930	39891	AOML		713	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	38.09	-44.54
4100933	40008	AOML		614	-	-	X	X	X	-	-	X	-	-	-	L	0504-3004	29.09	-66.84
4100938	71027	AOML		710	-	-	X	X	X	-	-	-	-	-	-	L	0104-3004	39.89	-30.34
4100939	40010	AOML		713	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	32.34	-69.26
4100942	40079	AOML		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	35.05	-45.96
4100945	93003	AOML		601	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	28.73	-64.85
4100960	93006	AOML		633	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	42.21	-46.18
4100980	39245	AOML		713	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	18.40	-55.29

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4400850	41469	AOML	712	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	34.11	-63.26
4400878	41443	AOML	700	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	34.13	-29.33
4400926	88653	AOML	711	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	39.91	-9.64
4400927	88663	AOML	693	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	53.73	-13.51
4400942	89832	AOML	716	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	72.20	30.35
6200505	11120780	CMM	732	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	42.23	-15.85
6200513	11127760	CMM	711	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	42.02	-15.29
6200730	41463	AOML	708	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	39.51	-27.57
6200903	41421	AOML	715	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	35.55	-32.88
6200932	41470	AOML	714	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	36.96	-28.73
6200935	92979	AOML	602	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	40.36	-20.07
6200938	44093	AOML	588	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	37.36	-24.95

----- 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
 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	712	X	X	X	X	X	X	X	-	-	X	-	T	0104-3004	43.40	7.80
6100002	Lion	248	X	X	X	X	X	X	X	-	-	X	-	T	2004-3004	42.10	4.70
6200001	Gascogne	721	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	45.30	-5.00
6200029	K1	716	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	48.70	-12.50
6200081	K2	721	-	X	X	X	X	X	-	-	-	X	-	O	0104-3004	51.00	-13.20

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6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20	
6200091	M2	711	X	X	X	-	X	X	-	-	-	-	X	X	O	0104-3004	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50	
6200093	M4	711	X	X	-	-	X	-	-	-	-	-	-	-	O	0104-3004	54.70	-9.10
6200094	M5	713	X	X	X	-	X	X	-	-	-	-	X	X	O	0104-3004	51.70	-6.70
6200095	M6	722	S	X	X	X	X	X	-	-	-	-	X	-	O	0104-3004	53.10	-15.90
6200105	K4	720	X	X	X	X	X	X	-	-	-	-	X	-	O	0104-3004	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50	
6200163	Brittany	720	X	X	X	X	X	X	-	-	-	-	X	-	O	0104-3004	47.50	-8.40
6400045	K5	718	X	X	X	X	X	X	-	-	-	-	X	-	O	0104-3004	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	644	X	X	X	-	X	X	-	-	-	-	-	O	0104-2804	28.18	-15.82
1300131	Tenerife Sur	657	X	X	X	-	-	X	-	-	-	-	-	O	0104-3004	28.00	-16.58
6100196	C. Begur	657	X	X	X	-	-	X	-	-	-	-	-	O	0104-3004	41.92	3.65
6100197	Mahon	658	X	X	X	-	-	X	-	-	-	-	-	O	0104-3004	39.72	4.42
6100198	C. de Gata	642	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	36.57	-2.33
6100280	Tarragona	640	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	40.77	1.47
6100281	Valencia	624	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	39.47	-0.27
6100417	C. de Palos	613	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	37.65	-0.32
6100430	Dragonera	660	X	X	X	-	X	-	-	-	-	-	-	O	0104-3004	39.56	2.11
6200024	Bilbao-Visc.	657	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	43.63	-3.03
6200025	C. de Penas	659	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	43.73	-6.17
6200082	E. de Bares	659	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	44.13	-7.69
6200083	Villano-Sis.	658	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	43.48	-9.22
6200084	C. Silleiro	648	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	42.12	-9.43
6200085	G. de Cadiz	652	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	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		1402	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	37.44	15.15
6100208		891	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	37.52	12.53
6100209		1398	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	38.26	13.33
6100210		1393	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	39.02	17.22
6100211		1363	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.62	9.89
6100213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.55	8.11
6100214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.87	12.95
6100215		1404	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	40.98	17.38
6100216		1342	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	42.24	11.55
6100218		1346	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	43.83	13.72
6100219		936	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	43.93	9.83
6100220		1265	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	45.33	12.52
6100221		1398	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	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		234	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	40.00	24.70
6101004		234	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	39.10	25.80
6101005		233	X	X	-	-	X	X	-	-	-	-	-	O	0104-3004	37.50	25.50

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6101006	233	X	-	X	-	X	X	-	-	-	-	-	-	O	0104-3004	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	717	X	-	X	X	X	-	-	-	-	-	-	O	0104-3004	49.00	-16.40
6600021	Arkona Becken	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.90	13.90
6600022	Oder Bank	290	S	S	-	-	S	-	-	-	-	-	-	-	1504-2704	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		336	X	X	-	-	X	-	-	-	-	X	-	L	0104-3004	11.49	-38.40
4100040	West Atlantic	720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	14.50	-53.00
4100041	Mid. Atlantic	720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	14.50	-46.00
4100043	Porto Rico	720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	21.00	-65.00
4100044		718	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	21.70	-58.70
4100046		720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	23.90	-70.90
4100047		-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.50	-71.50
4100048		720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	32.00	-69.60
4100049		719	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	27.50	-53.00
4100100	E Guadeloupe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.90	-57.90
4100101	E Martinique	716	X	X	X	X	X	X	-	-	-	X	-	T	0104-3004	14.60	-56.20
4100139		403	X	X	X	-	X	-	-	-	-	X	-	L	0104-3004	20.02	-37.86
4200059	Caraibes	712	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	15.00	-67.50
4400008	A Nantucket	717	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	40.50	-69.40
4400011	D Georges Bk	720	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	41.10	-66.60
4400018	SE Cape Cod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.30	-69.30
4400024	NNE Channel	700	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	42.30	-65.90
4400137	E Scotia Sl.	709	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.30	-53.60
4400139	Beanquereau	711	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	44.30	-57.10
4400140	Tail of Bk	399	-	-	-	-	-	-	-	-	-	-	-	O	0104-3004	43.80	-51.70
4400141	Larentian F	709	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	43.00	-58.00
4400150	La Have Bk	675	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	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, April 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120430	2500615	13409520	720	0	0.0	0.5
20120430	4100561	39073	713	0	0.1	0.5
20120430	4100573	37414	715	0	-0.1	0.7
20120430	4100591	39101	714	0	0.1	0.2
20120429	4100912	39092	605	0	-0.1	1.1
20120430	4100915	39095	647	0	0.5	1.4
20120430	4100957	38569	712	1	-0.1	0.3
20120429	4400546	12296030	672	0	0.5	0.4
20120430	4400547	10133070	720	0	0.1	0.3
20120430	4400548	10820160	720	0	0.0	0.4
20120430	4400549	11025170	720	1	0.0	0.5
20120430	4400550	10139120	659	0	0.2	0.3
20120430	4400551	11027150	720	0	-0.3	0.3
20120409	4400602	10825110	200	0	-0.1	0.4
20120430	4400604	10136120	720	65	-0.6	2.2
20120430	4400605	10137040	720	0	0.3	0.4
20120425	4400606	10327610	526	0	-0.0	0.4
20120408	4400607	10826620	174	0	0.3	0.4
20120430	4400608	10820170	720	0	0.2	0.4
20120430	4400609	10821540	720	0	0.3	0.8
20120418	4400614	10305940	421	52	-0.1	1.0
20120430	4400615	11023600	720	0	-0.1	0.4
20120430	4400616	11813550	720	0	-0.1	0.6
20120430	4400620	11022170	720	0	0.0	0.4
20120430	4400621	13010860	720	0	0.0	0.8
20120427	4400624	13016860	571	0	-0.6	1.8
20120430	4400625	11502100	720	0	0.1	0.5
20120430	4400626	11814550	475	0	-0.1	0.4
20120430	4400627	11028170	475	0	-0.1	0.6
20120430	4400628	11029180	475	0	-0.2	0.6
20120430	4400629	11021160	475	0	-0.0	0.5
20120430	4400739	11023610	720	0	-0.1	0.3
20120430	4400744	13805450	720	0	-0.1	0.4
20120430	4400745	13010870	720	0	-0.2	0.5
20120430	4400746	13357510	720	0	-0.1	0.5
20120430	4400747	11029160	720	0	-0.1	0.3
20120430	4400764	10822150	720	0	0.1	0.3
20120430	4400765	10820150	720	0	0.3	0.3
20120430	4400767	11919510	720	0	-0.2	0.3
20120430	4400768	11912520	376	0	0.0	0.5
20120401	4400770	13013830	23	0	0.1	0.3
20120430	4400844	37533	711	0	0.1	0.2
20120430	4400863	13015840	720	0	0.0	0.3
20120430	4400864	13614150	720	0	0.1	0.4
20120430	4400865	11022610	720	0	-0.0	0.5
20120430	4400866	11020180	720	0	-0.0	0.8
20120430	4400867	11022740	720	0	-0.3	0.7
20120430	4400869	11026040	720	0	-0.0	0.3
20120430	4400871	11025180	720	2	0.0	0.8
20120430	4400872	11027700	720	0	0.1	0.5
20120430	4400873	11022600	720	0	0.0	0.8
20120430	4400874	11023040	720	0	-0.0	0.3
20120430	4400875	11021610	720	0	-0.0	0.3
20120430	4400880	83428	713	0	0.1	0.5
20120430	4400903	70822	671	0	-0.0	0.4
20120430	4800602	10826110	720	0	-0.3	0.3
20120430	4800611	10826630	720	0	-0.1	0.3
20120430	6200511	11026160	720	0	-0.1	0.4
20120430	6200518	11024270	720	0	-0.1	0.4
20120430	6200519	13114260	720	0	0.1	0.3
20120430	6200520	13611180	720	0	0.0	0.3
20120430	6200551	13016850	720	0	0.0	0.3

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20120430	6200554	11027160	720	0	-0.1	0.3
20120430	6200555	11023170	720	0	0.1	0.3
20120430	6200556	11021170	720	0	0.0	0.3
20120430	6200597	10301840	720	0	0.1	0.5
20120430	6200677	11022050	720	0	-0.0	0.3
20120430	6200678	11029050	720	0	-0.0	0.4
20120430	6200694	11020160	720	0	0.2	0.5
20120430	6200695	10132120	720	0	0.1	0.5
20120430	6200696	11917510	720	0	0.1	0.3
20120430	6200697	12291040	720	0	-0.1	0.3
20120430	6200712	10137120	720	0	0.1	0.4
20120430	6200722	37773	709	0	0.1	0.3
20120430	6200724	39074	712	0	0.1	0.3
20120430	6400519	13013860	720	0	-0.2	0.4
20120418	6400608	13118270	420	31	-0.0	1.1
20120430	6400609	13806460	720	0	0.3	0.5
20120430	6400612	12582420	720	0	-0.2	0.5
20120429	6400614	13200710	612	0	0.5	0.7

Air Pressure (hPa), moored buoys, April 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120428	1300130		644	0	0.9	0.6
20120430	1300131		657	0	0.1	0.6
20120430	6100001		704	0	-0.1	0.7
20120430	6100002		247	0	0.3	0.5
20120430	6100196		657	0	-1.2	1.0
20120430	6100197		658	0	0.2	0.6
20120430	6100198		642	0	0.3	0.7
20120430	6100280		640	0	0.5	0.6
20120430	6100281		624	0	0.4	0.8
20120430	6100417		613	0	0.5	0.8
20120430	6100430		660	0	-0.6	0.6
20120430	6101003		234	0	0.4	0.7
20120430	6101004		234	0	0.3	0.7
20120430	6101006		233	0	0.4	0.8
20120430	6200001		720	0	0.1	0.5
20120430	6200024		657	0	0.3	0.6
20120430	6200025		659	0	0.5	0.7
20120430	6200029		716	0	0.1	0.6
20120430	6200081		719	0	0.1	0.4
20120430	6200082		659	0	0.3	0.7
20120430	6200083		658	0	0.2	0.7
20120430	6200084		648	0	0.4	0.6
20120430	6200085		652	0	0.5	0.6
20120430	6200091		711	3	0.2	0.5
20120430	6200094		713	1	-0.2	0.6
20120430	6200095		719	0	0.2	0.5
20120430	6200105		720	1	0.1	0.5
20120430	6200163		720	0	0.1	0.5
20120430	6400045		718	0	-0.1	0.4

Air Temperature (C), drifting buoys, April 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120430	2500619	57010	719	0	5.1	4.1

Air Temperature (C), moored buoys, April 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120428	1300130		644	0	-0.8	0.4
20120430	1300131		657	0	0.2	0.6
20120430	6100001		711	0	-1.2	0.5
20120430	6100002		247	0	-0.1	0.3
20120430	6100196		657	0	-0.4	0.5
20120430	6100197		658	0	-0.7	0.5
20120430	6100198		642	0	-1.0	0.6
20120430	6100280		640	0	-0.4	0.7
20120430	6100281		624	0	-0.7	0.8

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20120430	6100417	306	0	-0.1	0.7
20120430	6100430	660	0	-0.1	0.6
20120430	6101003	234	0	1.3	0.8
20120430	6101004	234	0	-0.4	0.7
20120430	6101005	233	0	-0.5	0.8
20120430	6200001	720	0	-0.4	0.5
20120430	6200024	657	0	0.0	0.6
20120430	6200025	659	0	-0.6	0.7
20120430	6200029	716	0	-0.4	0.5
20120430	6200081	720	0	-0.3	0.5
20120430	6200082	659	0	-0.8	0.5
20120430	6200083	658	0	-0.3	0.5
20120430	6200084	648	0	-0.2	0.6
20120430	6200085	652	0	-0.2	0.5
20120430	6200091	711	0	-0.1	0.5
20120430	6200093	711	0	-0.2	0.6
20120430	6200094	713	0	-0.1	0.5
20120430	6200095	713	0	-0.3	0.6
20120430	6200105	719	1	-0.2	0.5
20120430	6200163	716	0	-0.4	0.6
20120430	6400045	718	0	-0.2	0.5
20120427	6600022	288	0	1.1	1.3

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120428	1300130		642	18	21	30
20120430	6100001		654	16	-0	23
20120430	6100002		248	0	0	18
20120430	6100196		640	28	-9	28
20120430	6100197		651	21	-13	25
20120430	6100198		637	32	-20	24
20120430	6100280		621	28	1	31
20120430	6100281		609	28	7	37
20120430	6100417		603	17	5	27
20120430	6101003		233	29	1	44
20120430	6101004		234	3	-9	22
20120430	6101005		233	3	-9	21
20120430	6101006		233	6	-4	25
20120430	6200001		717	0	2	14
20120430	6200024		644	80	-8	44
20120430	6200025		653	30	-13	25
20120430	6200029		714	2	-0	13
20120430	6200082		647	3	8	15
20120430	6200083		656	40	-10	25
20120430	6200084		641	6	2	19
20120430	6200085		649	10	-6	19
20120430	6200091		710	6	3	18
20120430	6200093		711	0	7	19
20120430	6200094		711	6	5	18
20120410	6200095		227	5	1	19
20120430	6200105		718	8	0	18
20120430	6200163		716	0	-1	13
20120430	6400045		717	2	-1	13
20120427	6600022		290	8	-6	26

Wind speed rate, moored buoys, April 2012

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20120428	1300130		642	1	1.0	1.5
20120430	6100001		654	0	1.2	2.2
20120430	6100002		248	1	1.0	1.9
20120430	6100196		640	4	1.0	2.6
20120430	6100197		651	0	0.9	1.9
20120430	6100198		637	1	0.8	2.3
20120430	6100280		621	0	1.1	2.0
20120430	6100281		609	0	1.2	2.4
20120430	6100417		603	0	1.1	2.0
20120430	6101003		233	0	0.7	2.4
20120430	6101004		234	0	1.0	2.1
20120430	6101005		233	0	1.0	2.4

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20120430	6101006	233	0	0.9	1.8
20120430	6200001	717	0	1.0	1.5
20120430	6200024	644	0	1.2	2.4
20120430	6200025	653	0	0.8	2.0
20120430	6200029	714	0	1.0	1.2
20120430	6200082	647	0	0.9	1.5
20120430	6200083	656	1	0.9	1.4
20120430	6200084	641	0	1.0	1.5
20120430	6200085	649	0	1.0	1.3
20120430	6200091	710	0	1.0	1.6
20120430	6200093	711	0	1.0	1.3
20120430	6200094	711	1	1.0	1.5
20120410	6200095	227	0	0.5	4.8
20120430	6200105	717	0	1.0	1.3
20120430	6200163	716	0	1.0	1.2
20120430	6400045	717	0	1.0	1.3
20120427	6600022	290	0	1.3	1.4

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoys WMO **4400614**, **4400624** and **6400608** reported wrong pressure values onto the GTS before the transmission was stopped for this parameter. Pressure data were rehabilitated for buoys **WMO 4400612**, **4400614**, **4400835**, **4400885** and **6400522** in May after they were found reliable back.
2. Metocean Iridium buoy WMO **4400604** reported wrong pressure values temporarily. The GTS transmission was not stopped for it.
3. It seems that air pressure values reported by Spanish moored buoy WMO 6100196 present a systematic bias of -1.2 hPa (-1.1 hPa in March).

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 April: bias of 5.1 °C with standard deviation of 4.1 °C.
5. Irish moored buoy M6 (WMO **6200095**) reported a few abnormal calm winds before this parameter was removed from GTS.

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.