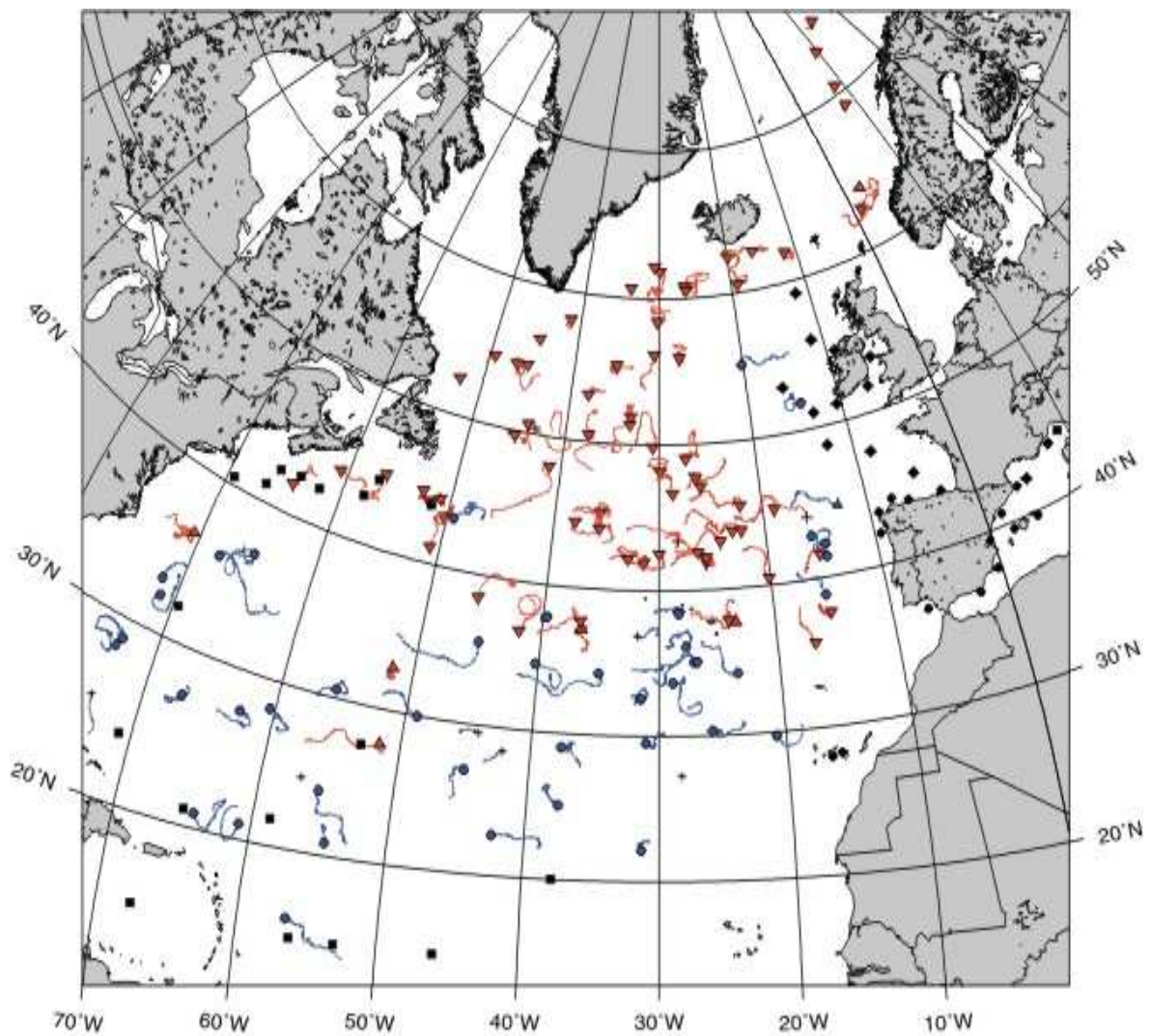


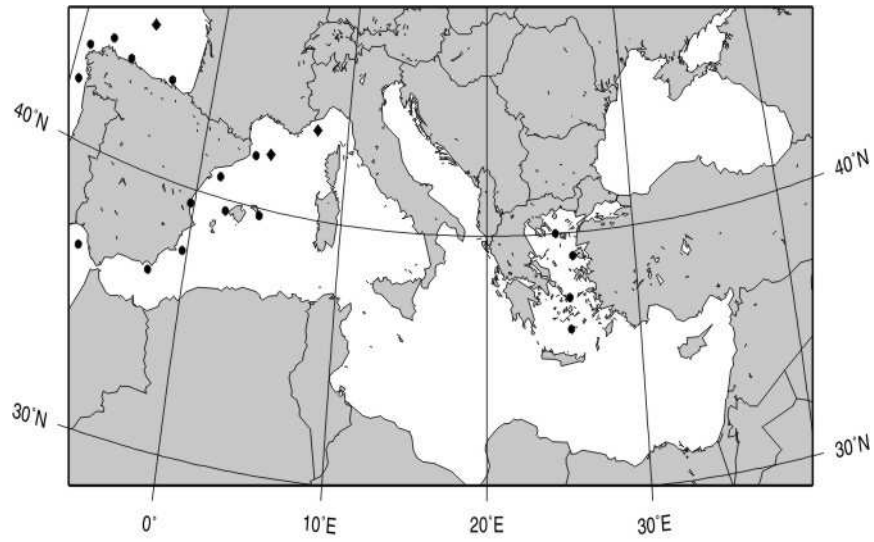
## DATA BUOY MONTHLY REPORT

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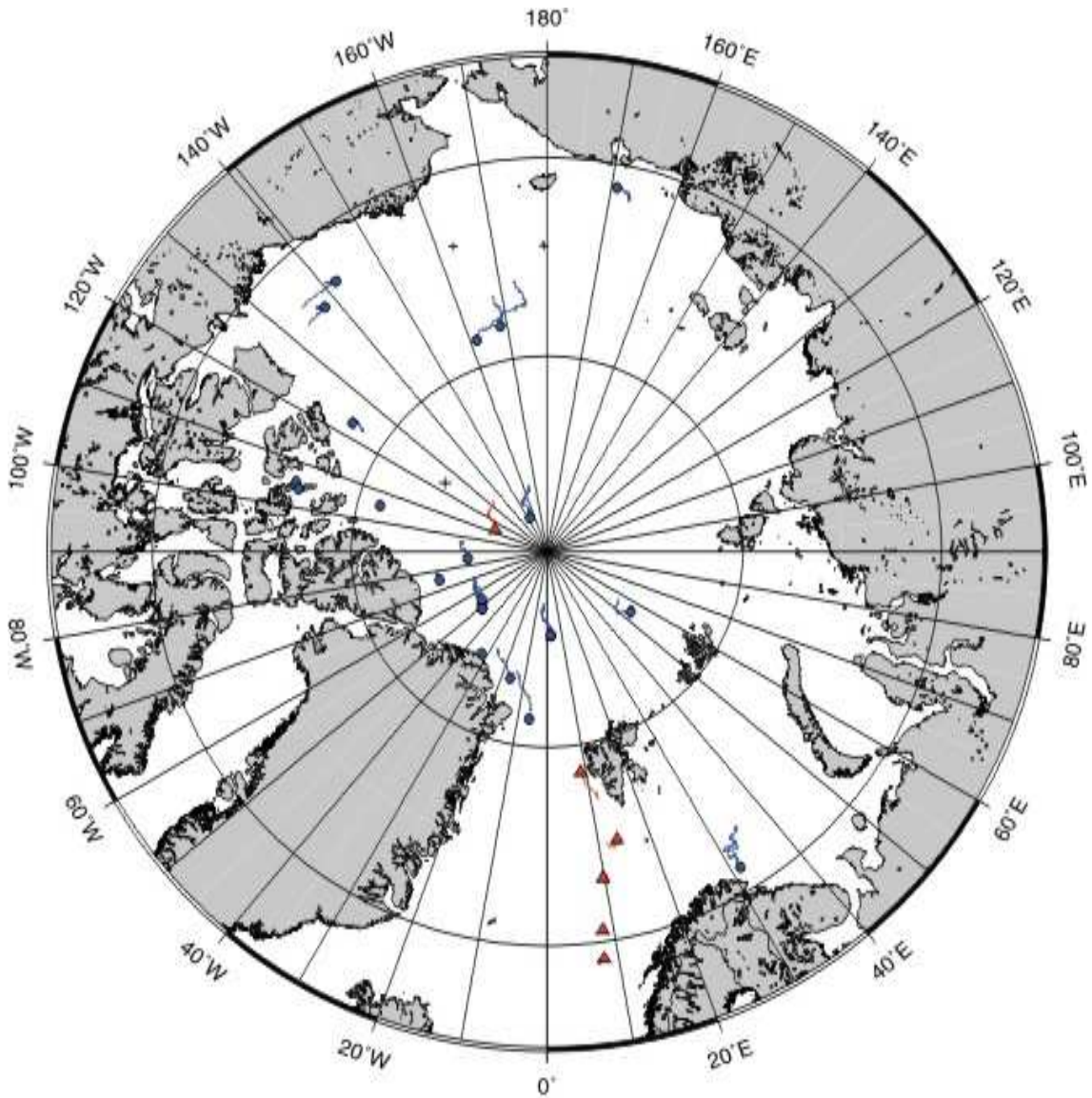


June 2012 - Operating data buoys in the North Atlantic  
Drifting buoy trajectories: E-SURFMAR (red), others (blue)  
Moored buoy positions (black)

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



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



June 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 June, **77 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, 63 were E-SURFMAR funded Iridium SVP-Bs. The remaining buoys were 9 Argos and 2 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR and 3 Iridium drifters operated by Environment Canada.

The percentage of GTS buoy data received less than 50 minutes after the observation time is now higher than the target of 90%. This results from efforts made during several years to have all buoys reporting through Iridium instead of Argos.

In addition, one ICEB buoy deployed by RV Polarstern in summer 2011 was still in operation in the Arctic.

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

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

**Drifting buoys - New deployments**

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400723	10825630	MSB	EU	20120625	58.7	-38.0	Halifax	Reykjafoss
4400724	13300270	MSB	EU	20120624	57.6	-41.0	Halifax	Reykjafoss
4400725	11027170	MSB	EU	20120623	55.1	-47.0	Halifax	Reykjafoss
4400726	11023190	MSB	EU	20120624	56.4	-44.0	Halifax	Reykjafoss
4400727	11026170	MSB	EU	20120623	53.8	-50.0	Halifax	Reykjafoss
4400728	11020190	MSB	EU	20120623	52.5	-53.0	Halifax	Reykjafoss
6300641	11543090	MSB	EU	20120618	69.0	7.7	Bremerhaven	Polarstern
6300642	11548080	MSB	EU	20120618	70.9	8.6	Bremerhaven	Polarstern
6300643	11540080	MSB	EU	20120619	73.0	9.8	Bremerhaven	Polarstern
6300644	11543110	MSB	EU	20120620	76.8	11.9	Bremerhaven	Polarstern
6300645	11546070	MSB	EU	20120619	75.0	11.1	Bremerhaven	Polarstern
6400524	10825640	MSB	EU	20120625	61.7	-30.0	Halifax	Reykjafoss
6400525	10824120	MSB	EU	20120625	60.2	-34.0	Halifax	Reykjafoss
6400620	11756730	MSB	UP	20120601	62.8	-15.0	Rotterdam	Selfoss

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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	720	-	-	X	X	-	-	-	X	-	-	-	T	0106-3006	87.10	-112.85	284

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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	690	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	32.79	-51.71	510
4100915	39095	TSB	UP	685	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	36.29	-70.57	562
4100957	38569	TSB	UP	684	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	29.06	-37.65	560
4400548	10820160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	60.55	-19.18	245
4400549	11025170	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	58.46	-30.26	146
4400551	11027150	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0106-3006	36.67	-41.94	146
4400609	10821540	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	44.58	-52.78	156
4400612	13015860	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	60.82	-26.53	204

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4400614	10305940	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	45.59	-22.16	161
4400615	11023600	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	55.94	-27.61	160
4400616	11813550	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	54.49	-45.51	160
4400620	11022170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	41.90	-25.68	145
4400625	11502100	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	51.86	-33.13	147
4400626	11814550	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	45.28	-35.74	86
4400627	11028170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	43.29	-50.32	86
4400629	11021160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	49.71	-45.28	86
4400630	13015830	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	48.01	-41.20	31
4400685	12762900	MSB	CA	632	-	-	X	X	X	-	-	X	-	-	-	O	0406-3006	41.85	-64.45	37
4400686	12469250	MSB	CA	632	-	-	X	X	X	-	-	X	-	-	-	O	0406-3006	43.93	-60.76	36
4400687	12294040	MSB	CA	632	-	-	X	X	X	-	-	X	-	-	-	O	0406-3006	44.80	-56.57	35
4400721	13805460	MSB	EU	635	-	-	X	X	X	-	-	X	-	-	-	T	0406-3006	41.11	-50.91	31
4400724	13300270	MSB	EU	131	-	-	X	X	X	-	-	X	-	-	-	T	2506-3006	58.10	-41.34	7
4400725	11027170	MSB	EU	131	-	-	X	X	X	-	-	X	-	-	-	T	2506-3006	54.44	-46.75	8
4400726	11023190	MSB	EU	131	-	-	X	X	X	-	-	X	-	-	-	T	2506-3006	56.39	-44.71	7
4400727	11026170	MSB	EU	131	-	-	X	X	X	-	-	X	-	-	-	T	2506-3006	54.56	-49.44	8
4400728	11020190	MSB	EU	131	-	-	X	X	X	-	-	X	-	-	-	T	2506-3006	52.42	-52.57	8
4400739	11023610	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	38.51	-45.81	142
4400744	13805450	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	37.76	-36.78	206
4400745	13010870	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	50.52	-37.59	206
4400746	13357510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	53.18	-38.01	205
4400747	11029160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	41.91	-31.42	146
4400764	10822150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	61.85	-29.84	244
4400765	10820150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	62.50	-19.91	245
4400767	11919510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	44.48	-38.04	156
4400768	11912520	MSB	EU	502	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	48.13	-29.89	157
4400835	89827	TSB	UP	691	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	64.02	2.46	656
4400844	37533	TSB	UP	689	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	37.72	-23.41	429
4400863	13015840	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	43.27	-24.27	142
4400864	13614150	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	51.36	-33.18	141
4400865	11022610	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	44.14	-35.70	132
4400866	11020180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	50.62	-44.13	131
4400867	11022740	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	44.02	-52.07	131
4400869	11026040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	43.91	-23.09	122
4400871	11025180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	55.37	-35.08	120
4400872	11027700	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	49.82	-30.66	106
4400873	11022600	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	44.35	-51.01	106
4400874	11023040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	42.50	-30.02	107
4400875	11021610	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	42.14	-32.90	106
4400880	83428	TSB	UP	686	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	27.75	-51.64	912
4400885	39086	TSB	UP	687	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	44.62	-12.79	429
6200511	11026160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	37.63	-15.14	117
6200518	11024270	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	45.09	-18.90	144
6200519	13114260	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	42.59	-26.42	144
6200520	13611180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	43.90	-22.25	144
6200554	11027160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	35.73	-16.81	116
6200555	11023170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	41.58	-15.29	117
6200556	11021170	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	37.84	-24.00	116
6200557	11028160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	47.09	-25.85	33
6200558	11023180	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	46.65	-28.68	33
6200597	10301840	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	49.02	-27.29	161
6200677	11022050	MSB	EU	569	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	40.49	-20.13	143
6200678	11029050	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	56.14	-30.61	133
6200696	11917510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	47.74	-26.39	158
6200697	11020160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	42.22	-25.67	150
6200722	37773	TSB	UP	691	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	30.32	-25.79	613
6200724	39074	TSB	UP	688	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	34.20	-23.50	427
6300641	11543090	MSB	EU	299	-	-	X	X	X	-	-	X	-	-	-	T	1806-3006	69.17	8.02	13
6300642	11548080	MSB	EU	275	-	-	X	X	X	-	-	X	-	-	-	T	1906-3006	70.59	8.34	13
6300643	11540080	MSB	EU	275	-	-	X	X	X	-	-	X	-	-	-	T	1906-3006	73.16	9.63	12
6300644	11543110	MSB	EU	251	-	-	X	X	X	-	-	X	-	-	-	T	2006-3006	78.61	8.59	11
6300645	11546070	MSB	EU	251	-	-	X	X	X	-	-	X	-	-	-	T	2006-3006	74.92	13.65	12
6400522	11029150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	60.55	-26.35	145
6400523	11757730	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	61.99	-11.68	33
6400524	10825640	MSB	EU	107	-	-	X	X	X	-	-	X	-	-	-	T	2606-3006	62.18	-30.68	6
6400525	10824120	MSB	EU	107	-	-	X	X	X	-	-	X	-	-	-	T	2606-3006	60.66	-33.85	6
6400609	13806460	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0106-3006	62.71	1.13	129
6400620	11756730	MSB	UP	682	-	-	X	X	X	-	-	X	-	-	-	T	0206-3006	62.59	-16.20	30

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**Drifting buoys which ceased to be operational**

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
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4400547	10133070	MSB	EU	20120601	43.4	-28.2	226	Battery (quickly drained)			
4400628	11029180	MSB	EU	20120623	50.4	-43.3	79	Unknown			
4400723	10825630	MSB	EU	20120625	58.7	-38.3	0	AP measurements failed at deployment			
4800611	10826110	MSB	EU	20120603	83.7	-124.1	271	Battery (quickly drained)			
6200712	10137120	MSB	EU	20120619	44.2	-15.9	245	Battery (quickly drained)			

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**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
4400723	10825630	MSB	EU	131	-	-	S	S	X	-	-	X	-	-	-	T	2506-3006	58.75	-38.32	6
6200926	83427	TSB	UP	700	-	-	-	-	X	-	-	X	-	-	-	L	0106-3006	70.39	39.65	909

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**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		689	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	32.61	-31.47
1300522	104132	AOML		692	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	29.55	-31.04
1300527	44092	AOML		576	-	-	X	X	-	-	-	X	-	-	-	L	0106-3006	29.74	-20.72
1300569	71026	AOML		692	-	-	X	X	X	-	-	-	-	-	-	L	0106-3006	30.55	-55.75
1300570	40180	AOML		683	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	36.16	-27.73
1300600	43869	AOML		683	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	33.66	-28.86
1300621	44096	AOML		582	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	22.15	-31.31
1300635	44115	AOML		591	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	26.94	-44.98
1300962	37643	AOML		546	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	34.60	-40.24
3100720	109456	LODYC		1398	-	-	X	-	X	-	-	X	-	-	X	T	0106-3006	6.98	-11.90
3100722	42804	LODYC		1400	-	-	X	-	X	-	-	X	-	-	X	T	0106-3006	11.17	-56.04
4100565	39216	AOML		683	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	37.23	-36.69
4100572	39640	AOML		683	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	20.89	-64.25
4100575	39668	AOML		689	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	35.80	-67.96
4100607	39252	AOML		685	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	24.02	-55.56
4100608	40294	AOML		692	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	51.84	-14.28
4100617	104138	AOML		687	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	28.25	-60.40
4100670	39237	AOML		698	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	29.99	-49.12
4100676	104127	AOML		681	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	35.09	-27.11
4100695	12724770	AOML		716	-	-	X	X	X	-	-	-	-	-	-	T	0106-3006	44.08	-45.27
4100733	36606	LODY		1397	-	-	X	-	X	-	-	X	-	-	X	T	0106-3006	25.09	-37.63
4100734	36609	LODY		1409	-	-	X	-	X	-	-	X	-	-	X	T	0106-3006	22.77	-42.42
4100735	10729990	CMM		467	-	-	X	X	X	-	-	X	-	-	X	T	1106-3006	20.94	-60.89
4100737	92551	LODY		813	-	-	X	-	X	-	-	X	-	-	X	T	0106-3006	15.77	-56.55
4100916	40047	AOML		691	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	36.84	-65.27
4100924	39190	AOML		692	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	37.81	-39.67
4100930	39891	AOML		683	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	35.55	-45.15
4100933	40008	AOML		689	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	27.31	-67.16
4100938	71027	AOML		682	-	-	X	X	X	-	-	-	-	-	-	L	0106-3006	38.41	-28.33
4100942	40079	AOML		680	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	34.25	-34.98
4100945	93003	AOML		601	-	-	X	-	X	-	-	X	-	-	-	L	0106-3006	27.58	-62.63
4100960	93006	AOML		629	-	-	X	-	X	-	-	X	-	-	-	L	0106-3006	43.31	-49.39
4400927	88663	AOML		658	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	55.09	-20.20
4400942	89832	AOML		702	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	71.20	31.50
6200501	11540090	CMM		37	-	-	X	X	X	-	-	X	-	-	X	T	2906-3006	42.91	-15.76
6200505	11120780	CMM		720	-	-	X	X	X	-	-	X	-	-	X	T	0106-3006	42.23	-14.65
6200513	11127760	CMM		707	-	-	X	X	X	-	-	X	-	-	X	T	0106-3006	41.41	-14.71
6200903	41421	AOML		678	-	-	X	X	X	-	-	X	-	-	-	L	0106-3006	35.07	-26.81
6200935	92979	AOML		403	-	-	X	-	X	-	-	X	-	-	-	L	0906-3006	38.85	-15.37

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**MOORED BUOYS**  
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**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
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6100001	Cote d'Azur	700	X	X	X	X	X	X	X	-	-	X	-	T	0106-3006	43.40	7.80
<b>6100002</b>	<b>Lion</b>	<b>678</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>0106-3006</b>	<b>42.10</b>	<b>4.70</b>
6200001	Gascogne	720	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	45.30	-5.00
6200029	K1	716	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	48.70	-12.50
6200081	K2	721	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	720	X	X	X	-	X	X	-	-	-	X	X	O	0106-3006	53.50	-5.40
6200092	M3	717	X	X	X	-	X	X	-	-	-	X	X	O	0106-3006	51.20	-10.50
6200093	M4	719	X	X	-	-	X	-	-	-	-	-	-	O	0106-3006	54.70	-9.10
6200094	M5	719	X	X	X	-	X	S	-	-	-	X	X	O	0106-3006	51.70	-6.70
<b>6200095</b>	<b>M6</b>	<b>714</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>0106-3006</b>	<b>53.10</b>	<b>-15.90</b>
6200105	K4	721	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	720	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	47.50	-8.40
<b>6400045</b>	<b>K5</b>	<b>720</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>0106-3006</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	699	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	28.18	-15.82
1300131	Tenerife Sur	609	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	28.00	-16.58
6100196	C. Begur	719	X	X	X	-	-	X	X	-	-	-	-	O	0106-3006	41.92	3.65
6100197	Mahon	719	X	X	X	-	-	X	X	-	-	-	-	O	0106-3006	39.72	4.42
6100198	C. de Gata	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	36.57	-2.33
6100280	Tarragona	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	40.77	1.47
6100281	Valencia	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	39.47	-0.27
6100417	C. de Palos	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	37.65	-0.32
6100430	Dragonera	375	X	X	X	-	X	X	X	-	-	-	-	O	1506-3006	39.56	2.11
6200024	Bilbao-Visc.	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	43.63	-3.03
6200025	C. de Penas	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	43.73	-6.17
6200082	E. de Bares	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	44.13	-7.69
6200083	Villano-Sis.	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	43.48	-9.22
<b>6200084</b>	<b>C. Silleiro</b>	<b>719</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>X</b>	<b>O</b>	<b>0106-3006</b>	<b>42.12</b>	<b>-9.43</b>
6200085	G. de Cadiz	719	X	X	X	-	X	X	X	-	-	-	X	O	0106-3006	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		217	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	37.44	15.15
6100208		218	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	37.52	12.53
6100209		214	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	38.26	13.33
6100210		219	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	39.02	17.22
6100211		218	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.62	9.89
6100213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.55	8.11
6100214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.87	12.95
6100215		219	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	40.98	17.38
6100216		211	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	42.24	11.55
6100218		200	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	43.83	13.72
6100219		213	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	43.93	9.83
6100220		212	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	45.33	12.52
6100221		218	-	-	-	-	S	S	-	-	-	-	-	-	0106-0506	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
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6101000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.10	24.50
6101001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.60	23.60
6101002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.00	22.10
6101003	232	X	X	X	-	X	X	-	-	-	-	-	O	0106-3006	40.00	24.70	
6101004	236	X	X	X	-	X	X	-	-	-	-	-	O	0106-3006	39.10	25.80	
6101005	235	X	X	-	-	X	X	-	-	-	-	-	O	0106-3006	37.50	25.50	
6101006	236	X	-	X	-	X	X	-	-	-	-	-	O	0106-3006	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	240	X	X	X	-	-	-	-	-	-	X	-	O	0106-3006	43.80	9.10
6200052	Ushant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.50	-5.80
6200442	PAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.00	-16.40
6600021	Arkona Becken	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.90	13.90
6600022	Oder Bank	676	X	X	-	-	X	-	-	-	-	-	-	O	0106-3006	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	-	348	X	X	-	-	X	-	-	-	-	X	-	L	0106-3006	11.49	-38.40
4100040	West Atlantic	712	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	14.50	-53.00
4100041	Mid. Atlantic	720	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	14.50	-46.00
4100043	Porto Rico	720	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	21.00	-65.00
4100044	-	720	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	21.70	-58.70
4100046	-	719	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	23.90	-70.90
4100047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.50	-71.50
4100048	-	707	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	32.00	-69.60
4100049	-	719	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	27.50	-53.00
4100100	E Guadeloupe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.90	-57.90
4100101	E Martinique	709	X	X	X	X	X	X	-	-	-	X	-	T	0106-3006	14.60	-56.20
4100139	-	402	X	X	X	-	X	-	-	-	-	X	-	L	0106-3006	20.02	-37.86
4200059	Caraibes	720	X	X	X	X	X	X	-	-	-	-	-	O	0106-3006	15.00	-67.50
4400008	A Nantucket	720	X	X	X	X	X	X	-	-	-	X	-	O	0106-3006	40.50	-69.40
4400011	D Georges Bk	720	X	X	X	X	X	X	-	-	-	-	-	O	0106-3006	41.10	-66.60
4400018	SE Cape Cod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.30	-69.30
4400024	NNE Channel	711	X	X	X	X	X	X	-	-	-	-	-	O	0106-3006	42.30	-65.90
4400137	E Scotia Sl.	701	X	X	X	X	X	X	-	-	-	-	-	O	0106-3006	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.30	-53.60
4400139	Beanquereau	710	X	X	X	X	X	X	-	-	-	-	-	O	0106-3006	44.30	-57.10
4400140	Tail of Bk	398	-	-	-	-	-	-	-	-	-	-	-	O	0106-3006	43.80	-51.70
4400141	Larentian F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.00	-58.00
4400150	La Have Bk	715	X	X	X	X	X	X	-	-	-	-	-	O	0106-3006	42.50	-64.00

## ----- Abbreviations -----

WMO : WMO id.  
 Argos : Argos id.  
 Typ : Buoy type  
   - first character : Manufacturer (C = ConMar , M = Metocean, T = Technocean, Y = Marlin-Yug...)  
   - second character : Main type (F = FGGE, S = SVP)  
   - third character : Sub type (B = barometer buoy, W = Wind buoy, S = Salinity buoy)

Ow : Buoy owner (country code or EU for EUCOS)  
 Owner : Buoy owner for non EUCOS buoys  
 Nobs : number of GTS reports received at Meteo-France  
 Parameters (X = OK, S = stopped, - = not measured) :  
 Wi : Wind



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

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

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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, June 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120630	2500615	13409520	720	0	-0.1	0.4
20120630	4100561	39073	689	0	-0.0	0.4
20120630	4100915	39095	685	0	0.3	0.9
20120630	4100957	38569	684	0	0.0	0.3
20120601	4400547	10133070	11	0	-0.2	0.3
20120630	4400548	10820160	720	0	0.0	0.3
20120630	4400549	11025170	719	0	0.1	0.3
20120630	4400551	11027150	720	0	-0.4	0.4
20120630	4400609	10821540	720	0	0.2	0.4
20120630	4400612	13015860	720	0	0.0	0.3
20120630	4400614	10305940	720	0	-0.0	0.3
20120630	4400615	11023600	720	0	-0.2	0.3
20120630	4400616	11813550	720	0	0.0	0.4
20120630	4400620	11022170	720	0	-0.2	0.3
20120630	4400625	11502100	720	0	0.0	0.3
20120630	4400626	11814550	720	1	-0.0	0.8
20120630	4400627	11028170	720	0	-0.2	0.4
20120623	4400628	11029180	538	0	-0.3	0.6
20120630	4400629	11021160	720	0	0.0	0.3
20120630	4400630	13015830	720	0	-0.2	0.4
20120630	4400685	12762900	632	0	0.3	0.6
20120630	4400686	12469250	632	0	0.1	0.5
20120630	4400687	12294040	632	0	-0.2	0.5
20120630	4400721	13805460	635	0	-0.0	0.4
<b>20120627</b>	<b>4400723</b>	<b>10825630</b>	<b>48</b>	<b>46</b>	<b>-8.4</b>	<b>1.3</b>
20120630	4400724	13300270	131	0	-0.2	0.3
20120630	4400725	11027170	131	0	0.0	0.4
20120630	4400726	11023190	131	0	-0.2	0.3
20120630	4400727	11026170	131	0	-0.0	0.4
20120630	4400728	11020190	131	0	-0.3	0.4
20120630	4400739	11023610	718	3	-0.3	0.6
20120630	4400744	13805450	720	0	-0.1	0.4
20120630	4400745	13010870	720	0	-0.2	0.5
20120630	4400746	13357510	720	1	0.0	0.8
20120630	4400747	11029160	720	0	-0.1	0.4
20120630	4400764	10822150	720	0	0.1	0.3
20120630	4400765	10820150	720	0	0.3	0.4
20120630	4400767	11919510	720	0	-0.2	0.4
20120630	4400768	11912520	502	0	-0.0	0.3
20120630	4400835	83420	691	0	0.1	0.3
20120630	4400844	37533	688	0	-0.0	0.3
20120630	4400863	13015840	720	0	0.0	0.3
20120630	4400864	13614150	719	0	0.1	0.3
20120630	4400865	11022610	719	0	-0.0	0.5
20120630	4400866	11020180	720	0	-0.0	0.4
20120630	4400867	11022740	720	0	-0.3	0.4
20120630	4400869	11026040	720	0	-0.0	0.3
20120630	4400871	11025180	720	0	0.0	0.2
20120630	4400872	11027700	720	0	0.1	0.5
20120630	4400873	11022600	720	0	-0.0	0.4
20120630	4400874	11023040	720	0	-0.1	0.3
20120630	4400875	11021610	719	0	0.0	0.4
20120630	4400880	83428	686	0	0.1	0.5
20120630	4400885	39086	687	0	0.3	0.5
<b>20120603</b>	<b>4800611</b>	<b>10826630</b>	<b>48</b>	<b>0</b>	<b>-1.6</b>	<b>2.7</b>
20120630	6200511	11026160	720	0	-0.1	0.4
20120630	6200518	11024270	720	0	-0.1	0.3
20120630	6200519	13114260	719	0	0.0	0.4
20120630	6200520	13611180	720	0	-0.1	0.4
20120630	6200554	11027160	720	0	-0.0	0.4
20120630	6200555	11023170	720	0	0.1	0.3
20120630	6200556	11021170	719	0	0.0	0.3

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20120630	6200557	11028160	720	0	-0.1	0.4
20120630	6200558	11023180	720	0	-0.1	0.4
20120630	6200597	10301840	720	0	-0.2	0.3
20120630	6200677	11022050	569	0	0.0	0.3
20120630	6200678	11029050	720	0	-0.0	0.3
20120630	6200696	11917510	720	0	0.0	0.3
20120630	6200697	12291040	720	0	-0.2	0.3
20120619	6200712	10137120	441	0	0.0	0.5
20120630	6200722	37773	691	0	0.1	0.3
20120630	6200724	39074	687	0	0.0	0.3
20120630	6300641	11543090	299	0	-0.3	0.2
20120630	6300642	11548080	275	0	-0.1	0.2
20120630	6300643	11540080	275	0	-0.2	0.2
20120630	6300644	11543110	251	0	-0.2	0.2
20120630	6300645	11546070	251	0	-0.2	0.3
20120630	6400522	11029150	720	0	-0.1	0.3
20120630	6400523	11757730	720	0	-0.0	0.3
20120630	6400524	10825640	107	0	0.2	0.2
20120630	6400525	10824120	107	0	0.2	0.2
20120630	6400609	13806460	720	0	0.1	0.4
20120630	6400620	11756730	682	0	-0.1	0.3

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120630	1300130		699	0	1.0	0.6
20120630	1300131		609	0	0.4	0.7
20120630	6100001		693	0	0.4	0.6
20120630	6100002		678	1	0.2	0.5
20120630	6100010		240	0	-0.6	0.5
20120630	6100196		719	0	-0.3	0.7
20120630	6100197		719	0	0.6	0.5
20120630	6100198		719	0	0.2	0.6
20120630	6100280		719	0	0.9	0.6
20120630	6100281		719	0	0.7	0.7
20120630	6100417		719	0	0.4	0.6
20120630	6100430		375	0	-0.2	0.6
20120630	6101003		232	0	1.0	0.6
20120630	6101004		236	0	0.7	0.5
20120630	6101006		236	0	1.1	0.6
20120630	6200001		720	0	0.0	0.5
20120630	6200024		719	0	0.5	0.6
20120630	6200025		719	0	0.5	0.7
20120630	6200029		716	0	-0.2	0.5
20120630	6200081		720	0	-0.1	0.4
20120630	6200082		719	0	0.5	0.6
20120630	6200083		719	0	0.3	0.6
20120630	6200084		719	0	0.5	0.6
20120630	6200085		719	0	0.6	0.5
20120630	6200091		720	2	0.1	0.4
20120630	6200092		717	0	-0.1	0.5
20120630	6200094		719	0	0.1	0.5
20120630	6200095		594	1	0.3	0.9
20120630	6200105		720	1	-0.0	0.3
20120630	6200163		720	0	-0.0	0.5
20120630	6400045		720	0	-0.2	0.3

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120630	2500619	57010	719	0	3.6	2.6

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120630	1300130		699	0	-0.6	0.5
20120630	1300131		609	0	0.2	0.8
20120630	6100001		697	0	-0.6	1.0
20120630	6100002		678	0	-0.1	0.7

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20120630	6100010	240	0	1.4	1.3
20120630	6100196	719	0	-0.2	0.7
20120630	6100197	719	0	0.2	0.6
20120630	6100198	719	0	-0.3	1.4
20120630	6100280	719	0	-0.3	0.6
20120630	6100281	719	0	-0.5	0.8
20120630	6100417	719	0	0.1	0.7
20120630	6100430	375	0	0.1	0.5
20120630	6101003	232	0	0.6	1.7
20120630	6101004	236	0	-1.5	1.4
20120630	6101005	235	0	-1.3	1.3
20120630	6200001	720	0	-0.1	0.4
20120630	6200024	719	0	0.2	0.7
20120630	6200025	719	0	-0.2	0.7
20120630	6200029	716	0	-0.3	0.4
20120630	6200081	720	0	-0.1	0.4
20120630	6200082	719	0	-0.6	0.5
20120630	6200083	719	0	-0.1	0.5
20120630	6200084	719	0	-0.0	0.6
20120630	6200085	719	0	-0.3	0.8
20120630	6200091	720	0	-0.1	0.4
20120630	6200092	717	0	-0.4	0.4
20120630	6200093	719	0	-0.1	0.4
20120630	6200094	719	0	0.1	0.6
20120630	6200095	713	2	-0.0	0.5
20120630	6200105	720	0	0.0	0.4
20120630	6200163	718	0	-0.2	0.5
20120630	6400045	720	0	-0.2	0.4
20120630	6600022	673	0	0.5	0.9

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120630	1300130		697	9	32	20
20120627	1300131		523	100	-111	41
20120630	6100001		540	79	1	33
20120630	6100002		678	13	-3	23
20120630	6100010		240	21	-13	32
20120630	6100196		703	29	-11	25
20120630	6100197		707	29	-10	28
20120630	6100198		705	27	-2	29
20120630	6100280		678	23	5	32
20120630	6100281		654	46	3	37
20120630	6100417		697	8	4	23
20120630	6100430		358	27	-11	37
20120630	6101003		232	28	-17	48
20120630	6101004		236	8	-8	24
20120630	6101005		234	13	-13	25
20120630	6101006		236	6	-5	27
20120630	6200001		719	7	-0	18
20120630	6200024		711	83	-11	41
20120630	6200025		704	40	-11	28
20120630	6200029		711	1	-2	14
20120630	6200081		202	21	-4	20
20120630	6200082		706	13	4	21
20120630	6200083		695	119	-45	51
20120630	6200084		703	8	6	19
20120630	6200085		718	13	-7	20
20120630	6200091		720	2	-2	20
20120630	6200092		717	11	4	18
20120630	6200093		718	13	3	19
20120630	6200094		719	3	4	18
20120630	6200095		432	2	1	17
20120630	6200105		718	12	-4	18
20120630	6200163		720	7	-2	14
20120630	6400045		720	1	2	16
20120630	6600022		673	32	-7	25

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

Datend	WMO	Telcom	Recvd	GE	Rate	Err
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20120630	1300130	697	2	0.9	1.4
<b>20120627</b>	<b>1300131</b>	<b>523</b>	<b>130</b>	<b>1.4</b>	<b>3.4</b>
20120630	6100001	540	1	1.6	2.4
20120630	6100002	678	1	1.0	1.8
20120630	6100010	240	0	1.3	1.7
20120630	6100196	703	0	1.1	2.2
20120630	6100197	707	0	1.0	1.5
20120630	6100198	705	0	0.9	2.5
20120630	6100280	678	0	1.0	1.4
20120630	6100281	654	1	1.1	2.2
20120630	6100417	697	0	0.9	1.4
20120630	6100430	358	1	1.3	1.6
20120630	6101003	232	0	0.9	2.2
20120630	6101004	236	0	1.0	1.9
20120630	6101005	234	0	0.9	1.9
20120630	6101006	236	0	0.8	2.5
20120630	6200001	719	0	1.0	1.2
20120630	6200024	711	0	1.2	1.6
20120630	6200025	704	0	0.8	2.4
20120630	6200029	711	0	1.0	1.3
20120630	6200081	202	1	1.0	2.4
20120630	6200082	706	0	0.9	1.5
20120630	6200083	695	4	0.8	1.7
20120630	6200084	703	1	1.0	1.6
20120630	6200085	718	0	1.0	1.4
20120630	6200091	720	0	0.9	1.5
20120630	6200092	717	0	1.0	1.4
20120630	6200093	718	0	1.0	1.2
20120630	6200094	719	0	1.1	2.1
20120630	6200095	432	0	1.1	1.3
20120630	6200105	718	0	1.0	1.2
20120630	6200163	719	0	1.0	1.3
20120630	6400045	720	0	1.1	1.2
20120630	6600022	673	0	1.4	1.6

### Comments on QC statistics :

#### Air pressure

1. Air pressure measurements failed at deployment on Metocean Iridium buoy WMO **4400723**.
2. Metocean Iridium buoy WMO **4800611** reported a few wrong pressure values onto the GTS before it stopped transmitting on 23 June.
3. Greek (Poseidon) moored buoys WMO **6101003** and **6101006** present systematic biases of about 1.1 hPa according to comparisons with model outputs.

#### 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 June: bias of 3.6 °C with standard deviation of 2.6 °C.
5. Italian-1 moored buoy (WMO **6100010**) as well as Greek moored buoys WMO **6101004** and WMO **6101005** presented a systematic bias higher than 1.3°C in absolute value in June.

#### Wind

6. Spanish moored buoy WMO **1300131** reported dubious wind data till the 27<sup>th</sup> of May.
7. Wind directions reported by Spanish moored buoy WMO **6200083** appeared dubious in June : bias of about 45 degrees.

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

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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).