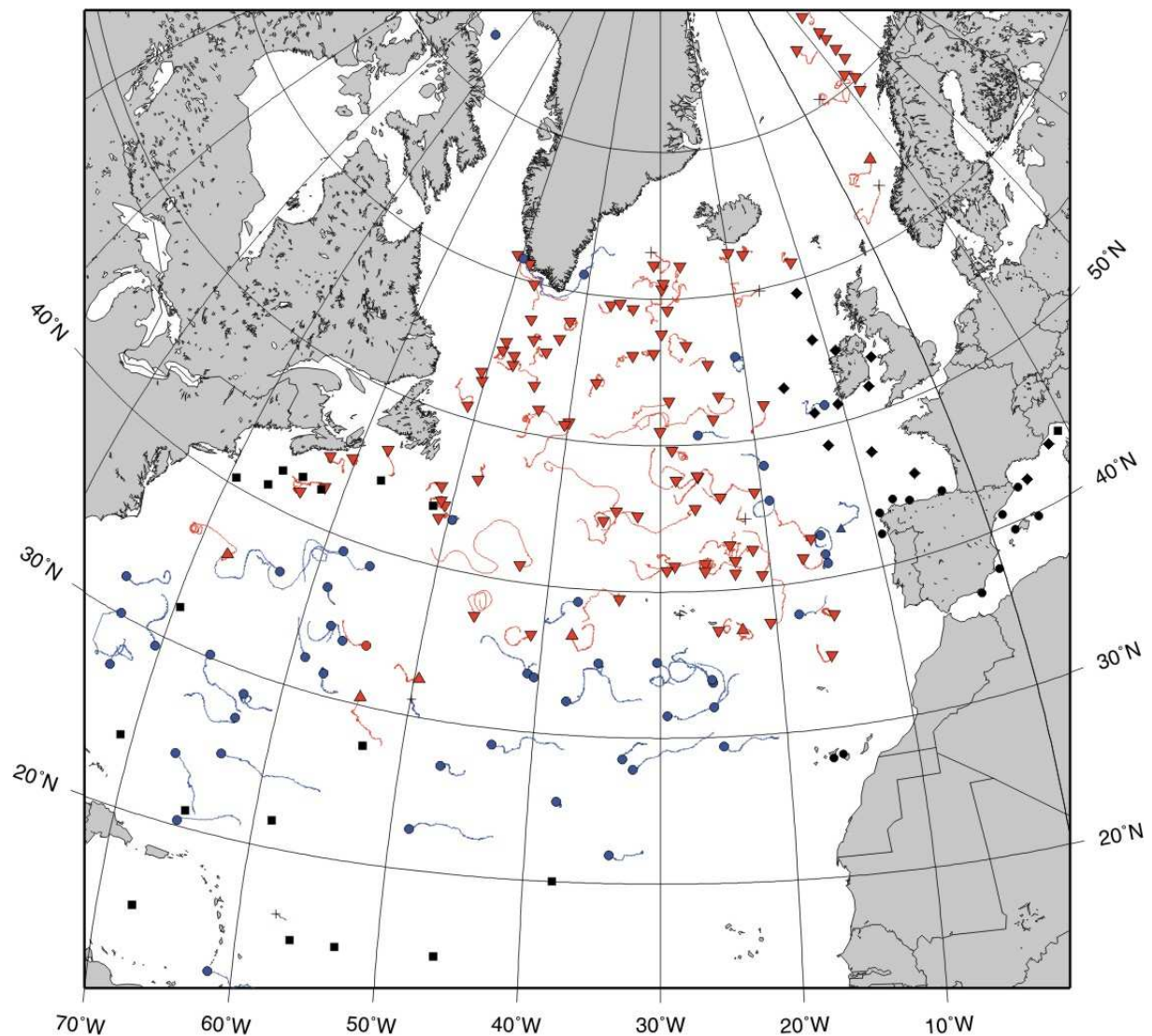
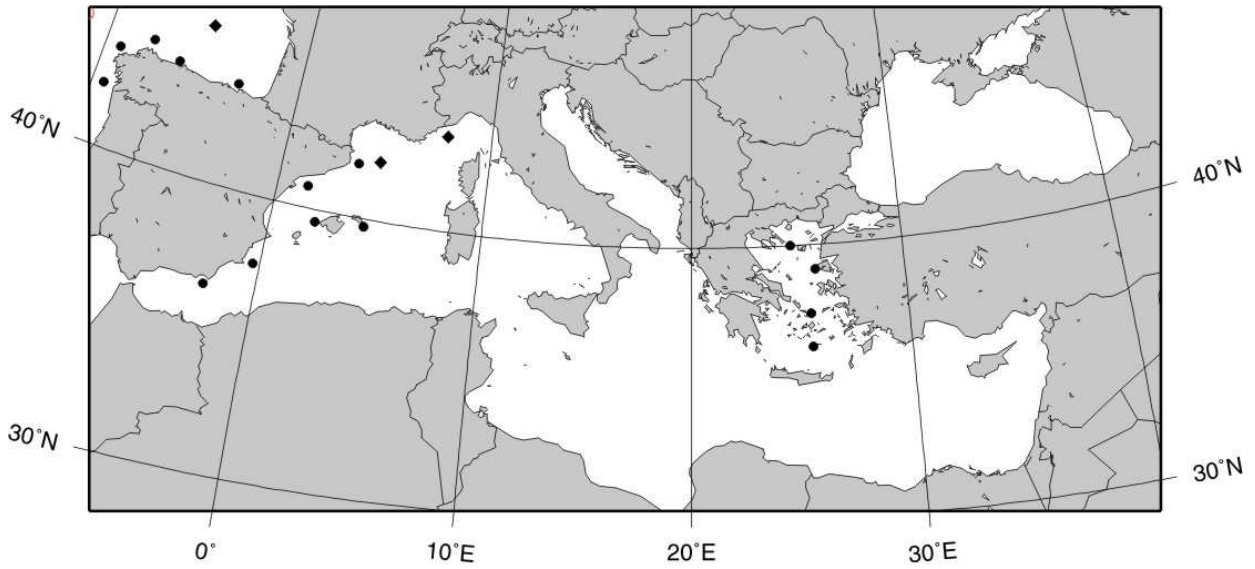


DATA BUOY MONTHLY REPORT

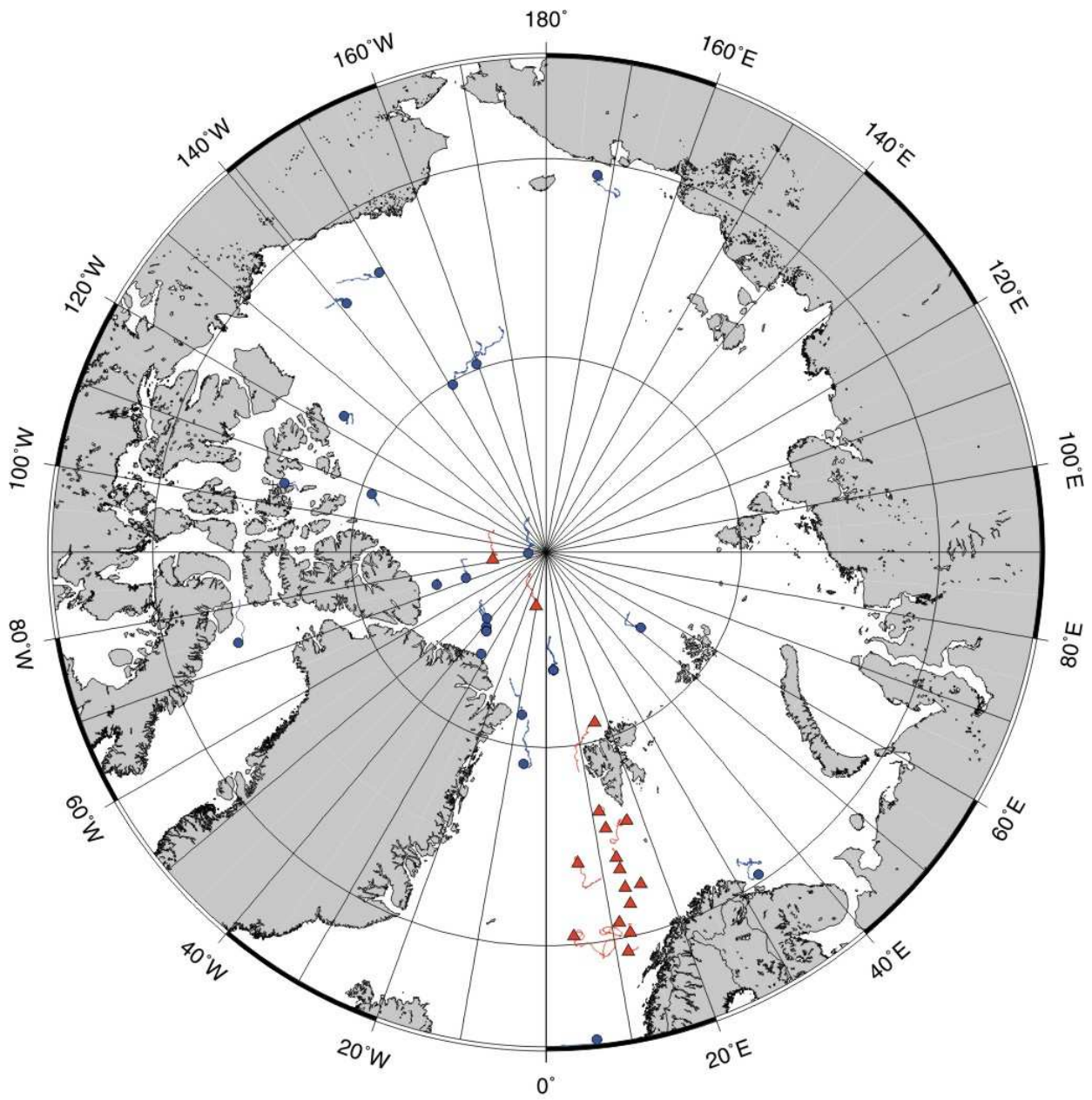
July 2012



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



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



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

DRIFTING BUOYS

Network status

By the end of July, **102 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. Thanks to the deployment of 31 buoys during the month, the target of 100 operating buoys has been reached back. Out of the buoys in operation, 66 were E-SURFMAR funded Iridium SVP-Bs, including 6 HRSST-2 buoys. These latter are fitted with accurate digital SST probes. The remaining buoys were 9 Argos and 25 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR, and 3 Iridium drifters operated by Environment Canada.

In addition, two ICEB buoy deployed by RV Polarstern in summer 2011 was still in operation in the Arctic. One of them was forgotten in the previous monthly report. Its pressure measurements were rehabilitated a few months ago.

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

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

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400622	11881820	PSB	UP	20120709	44.6	-60.0	Norfolk	OOCL California
4400729	11462700	MSB	UP	20120716	59.6	-38.3	Vigo	Sarmiento de G.
4400730	11846540	MSB	E2	20120717	59.8	-42.1	Vigo	Sarmiento de G.
4400740	11883820	PSB	UP	20120709	42.3	-65.0	Norfolk	OOCL California
4400760	11880820	PSB	UP	20120711	47.4	-48.0	Norfolk	OOCL California
4400761	11883770	PSB	UP	20120711	48.3	-44.1	Norfolk	OOCL California
4400769	11845540	MSB	E2	20120719	59.5	-45.6	Vigo	Sarmiento de G.
4400772	11544410	MSB	UP	20120720	55.9	-48.4	Vigo	Sarmiento de G.
4400774	11460700	MSB	UP	20120719	58.6	-46.4	Vigo	Sarmiento de G.
4400775	11540170	MSB	E2	20120720	57.5	-47.1	Vigo	Sarmiento de G.
4400776	11844540	MSB	E2	20120720	54.2	-49.1	Vigo	Sarmiento de G.
4400777	11885820	PSB	UP	20120723	55.1	-47.0	Norfolk	Reykjafoss
4400778	11463700	MSB	UP	20120723	53.0	-50.9	Vigo	Sarmiento de G.
4400779	11885820	PSB	UP	20120723	53.4	-51.0	Norfolk	Reykjafoss
4400780	11880840	PSB	UP	20120723	56.7	-43.0	Norfolk	Reykjafoss
6200682	11541080	MSB	EU	20120709	52.9	-24.7	Vigo	Sarmiento de G.
6200683	11541170	MSB	E2	20120710	55.3	-26.6	Vigo	Sarmiento de G.
6200684	11882820	PSB	UP	20120713	50.5	-20.1	Norfolk	OOCL California
6200685	11461700	MSB	UP	20120713	58.0	-29.3	Vigo	Sarmiento de G.
6200686	11845450	MSB	E2	20120716	59.1	-33.8	Vigo	Sarmiento de G.
6300551	11547410	MSB	UP	20120726	69.5	13.2	Helsingborg	RV Oden
6300552	11548400	MSB	UP	20120726	72.5	12.8	Helsingborg	RV Oden
6300553	11549400	MSB	UP	20120726	70.5	13.1	Helsingborg	RV Oden
6300554	11549410	MSB	UP	20120726	71.5	13.0	Helsingborg	RV Oden
6300637	11543080	MSB	EU	20120730	72.0	16.0	Bremerhaven	Polarstern
6300646	11467700	MSB	UP	20120727	74.5	12.6	Helsingborg	RV Oden
6300647	11542420	MSB	UP	20120727	76.5	11.5	Helsingborg	RV Oden
6300648	11543410	MSB	UP	20120727	75.5	12.5	Helsingborg	RV Oden
6300649	11545420	MSB	UP	20120726	73.5	12.7	Helsingborg	RV Oden
6400622	11886820	PSB	UP	20120724	63.1	-26.0	Norfolk	Reykjafoss
6500591	11887820	PSB	UP	20120723	59.5	-36.0	Norfolk	Reykjafoss

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
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2500615	13409520	MIB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0107-3107	87.22	-81.89	315
2500619	57010	MIB	EU	743	-	X	X	X	X	-	-	-	-	-	-	T	0107-3107	87.17	-10.75	313

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	758	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	32.48	-49.62	541
4100915	39095	TSB	UP	696	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	36.09	-67.54	593
4100957	38569	TSB	UP	749	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	28.91	-43.16	591
4400549	11025170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	60.67	-29.77	177
4400551	11027150	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0107-3107	36.58	-41.04	177
4400609	10821540	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	45.21	-51.37	187
4400612	13015860	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	59.21	-29.05	235
4400615	11023600	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	56.79	-26.86	191
4400616	11813550	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	55.58	-43.88	191
4400620	11022170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.85	-25.90	176
4400622	11881820	PSB	UP	515	-	-	X	X	S	-	-	X	-	-	-	T	1007-3107	44.93	-60.35	23
4400625	11502100	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	53.03	-29.07	178
4400626	11814550	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	45.64	-26.59	117
4400627	11028170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	43.12	-50.96	117
4400629	11021160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	51.17	-39.95	117
4400630	13015830	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	45.46	-34.29	62
4400685	12762900	MSB	CA	696	-	-	X	X	X	-	-	X	-	-	-	O	0107-3107	41.61	-63.73	68
4400686	12469250	MSB	CA	698	-	-	X	X	X	-	-	X	-	-	-	O	0107-3107	44.45	-62.36	67
4400687	12294040	MSB	CA	713	-	-	X	X	X	-	-	X	-	-	-	O	0107-3107	46.32	-57.44	66
4400721	13805460	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.16	-42.77	62
4400724	13300270	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	57.95	-41.65	38
4400725	11027170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	53.25	-44.45	39
4400726	11023190	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	56.22	-45.64	38
4400727	11026170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	55.02	-48.95	39
4400728	11020190	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	50.82	-51.07	39
4400729	11462700	MSB	UP	371	-	-	X	X	X	-	-	X	-	-	-	T	1607-3107	59.43	-36.66	17
4400730	11846540	MSB	E2	347	-	-	X	X	X	-	-	X	-	-	-	T	1707-3107	61.44	-50.63	16
4400739	11023610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	37.28	-46.04	173
4400740	11883820	PSB	UP	539	-	-	X	X	X	-	-	X	-	-	-	T	0907-3107	42.53	-61.79	24
4400744	13805450	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	39.46	-33.63	237
4400745	13010870	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	50.96	-30.05	237
4400746	13357510	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	54.07	-37.44	236
4400747	11029160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.34	-25.96	177
4400760	11880820	PSB	UP	491	-	-	X	X	X	-	-	X	-	-	-	T	1107-3107	46.25	-48.10	22
4400761	11883770	PSB	UP	491	-	-	X	X	X	-	-	X	-	-	-	T	1107-3107	50.97	-40.42	22
4400765	10820150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	62.79	-19.94	276
4400767	11919510	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	45.17	-32.22	187
4400768	11912520	MSB	EU	698	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	47.79	-26.22	188
4400769	11845540	MSB	E2	299	-	-	X	X	X	-	-	X	-	-	-	T	1907-3107	61.10	-48.66	14
4400772	11544410	MSB	UP	275	-	-	X	X	X	-	-	X	-	-	-	T	2007-3107	55.64	-48.81	13
4400774	11460700	MSB	UP	299	-	-	X	X	X	-	-	X	-	-	-	T	1907-3107	59.88	-47.30	14
4400775	11540170	MSB	E2	275	-	-	X	X	X	-	-	X	-	-	-	T	2007-3107	57.53	-46.54	13
4400776	11844540	MSB	E2	275	-	-	X	X	X	-	-	X	-	-	-	T	2007-3107	54.27	-47.40	12
4400777	11885820	PSB	UP	186	-	-	X	X	X	-	-	X	-	-	-	T	2307-3107	54.87	-47.44	10
4400778	11463700	MSB	UP	186	-	-	X	X	X	-	-	X	-	-	-	T	2307-3107	52.71	-50.31	11
4400779	11885820	PSB	UP	186	-	-	X	X	X	-	-	X	-	-	-	T	2307-3107	53.27	-50.64	11
4400780	11880840	PSB	UP	186	-	-	X	X	X	-	-	X	-	-	-	T	2307-3107	56.65	-42.57	11
4400835	89827	TSB	UP	759	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	65.22	5.98	687
4400844	37533	TSB	UP	750	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	37.18	-22.94	460
4400863	13015840	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	42.60	-21.45	173
4400864	13614150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	51.67	-24.21	172
4400865	11022610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	44.74	-35.50	163
4400866	11020180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	51.72	-43.48	162
4400867	11022740	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	44.04	-50.66	162
4400869	11026040	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	43.05	-23.49	153
4400871	11025180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	56.11	-33.38	151
4400872	11027700	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	47.61	-28.42	137
4400873	11022600	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	44.29	-51.07	137
4400874	11023040	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.76	-28.66	138
4400875	11021610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.47	-29.42	137
4400885	39086	TSB	UP	752	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	43.03	-13.06	460
6200511	11026160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	37.53	-15.01	148
6200518	11024270	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	42.80	-15.98	175
6200519	13114260	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.92	-23.12	175
6200520	13611180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	40.81	-20.81	175
6200554	11027160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	34.87	-15.72	147

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6200555	11023170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.60	-16.94	148
6200556	11021170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	37.25	-25.02	147
6200557	11028160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	46.43	-20.71	64
6200558	11023180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	47.88	-26.29	64
6200597	10301840	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	49.65	-28.79	192
6200677	11022050	MSB	EU	367	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	37.53	-20.49	174
6200678	11029050	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	56.29	-30.85	164
6200682	11541080	MSB	EU	539	-	-	X	X	X	-	-	X	-	-	-	T	0907-3107	53.17	-23.37	24
6200683	11541170	MSB	E2	514	-	-	X	X	X	-	-	X	-	-	-	T	1007-3107	55.40	-24.36	22
6200684	11882820	PSB	UP	443	-	-	X	X	X	-	-	X	-	-	-	T	1307-3107	52.24	-18.52	19
6200685	11461700	MSB	UP	443	-	-	X	X	X	-	-	X	-	-	-	T	1307-3107	57.61	-29.89	20
6200686	11845450	MSB	E2	370	-	-	X	X	X	-	-	X	-	-	-	T	1607-3107	59.27	-33.61	18
6200696	11917510	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	46.34	-24.10	189
6200697	11020160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	41.10	-23.21	181
6200722	37773	TSB	UP	747	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	27.81	-32.15	644
6200724	39074	TSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	31.52	-29.45	458
6300551	11547410	MSB	UP	131	-	-	X	X	X	-	-	X	-	-	-	T	2607-3107	69.30	11.63	7
6300552	11548400	MSB	UP	127	-	-	X	X	X	-	-	X	-	-	-	T	2607-3107	72.45	13.25	6
6300553	11549400	MSB	UP	131	-	-	X	X	X	-	-	X	-	-	-	T	2607-3107	70.18	12.51	6
6300554	11549410	MSB	UP	131	-	-	X	X	X	-	-	X	-	-	-	T	2607-3107	71.59	13.49	6
6300637	11543080	MSB	EU	21	-	-	X	X	X	-	-	X	-	-	-	T	3007-3107	72.42	15.93	3
6300642	11548080	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	70.78	11.15	44
6300643	11540080	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	74.04	5.85	43
6300644	11543110	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	80.93	16.00	42
6300645	11546070	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	75.69	16.68	43
6300646	11467700	MSB	UP	115	-	-	X	X	X	-	-	X	-	-	-	T	2707-3107	74.00	12.96	5
6300647	11542420	MSB	UP	105	-	-	X	X	X	-	-	X	-	-	-	T	2707-3107	76.48	11.47	5
6300648	11543410	MSB	UP	110	-	-	X	X	X	-	-	X	-	-	-	T	2707-3107	75.57	12.21	5
6300649	11545420	MSB	UP	121	-	-	X	X	X	-	-	X	-	-	-	T	2607-3107	73.39	13.10	6
6400522	11029150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	62.22	-27.15	176
6400523	11757730	MSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	61.22	-11.35	64
6400524	10825640	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	62.32	-31.00	37
6400525	10824120	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	61.04	-29.57	37
6400620	11756730	MSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0107-3107	62.50	-17.85	61
6400622	11886820	PSB	UP	172	-	-	X	X	X	-	-	X	-	-	-	T	2407-3107	63.40	-26.22	8
6500591	11887820	PSB	UP	186	-	-	X	X	X	-	-	X	-	-	-	T	2307-3107	59.59	-35.43	9

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400548	10820160	MSB	EU	20120723	59.9	-16.5	268	Battery (quickly drained)
4400764	10822150	MSB	EU	20120719	63.2	-31.4	263	Battery (quickly drained)
4400880	83428	TSB	UP	20120731	30.5	-53.9	943	Faded
6300641	11543090	MSB	EU	20120718	70.4	4.1	44	Caught in a trawl during several hours ?
6400609	13806460	MSB	EU	20120715	63.4	5.0	160	Air pressure measurements 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
4400723	10825630	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0107-3107	59.01	-37.31	37
6200926	83427	TSB	UP	739	-	-	-	-	X	-	-	X	-	-	-	L	0107-3107	71.20	44.00	930
6300641	11543090	MSB	EU	741	-	-	S	S	X	-	-	X	-	-	-	T	0107-3107	70.42	4.10	44
6400609	13806460	MSB	EU	691	-	-	S	S	X	-	-	X	-	-	-	T	0107-3107	63.43	5.05	160

----- 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		750	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	35.01	-35.17
1300522	104132	AOML		679	-	-	X	X	X	-	-	X	-	-	-	L	0107-2907	28.51	-32.95
1300527	44092	AOML		640	-	-	X	X	-	-	-	X	-	-	-	L	0107-3107	29.36	-25.02
1300569	71026	AOML		758	-	-	X	X	X	-	-	-	-	-	-	L	0107-3107	31.37	-57.16
1300570	40180	AOML		749	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	33.72	-25.66
1300600	43869	AOML		741	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	35.17	-30.29
1300621	44096	AOML		634	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	21.94	-33.80

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1300635	44115	AOML	654	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	27.08	-46.88
1300962	37643	AOML	502	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	33.94	-40.96
3100722	42804	LODY	1316	-	-	X	-	X	-	-	X	-	-	X	T	0107-3107	12.02	-61.66
3100723	109459	LODY	1368	-	-	X	-	X	-	-	X	-	-	X	T	1207-3107	6.93	-48.69
4100565	39216	AOML	751	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	36.79	-37.53
4100572	39640	AOML	758	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	24.01	-66.65
4100575	39668	AOML	763	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	36.50	-62.94
4100607	39252	AOML	757	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	24.83	-63.38
4100608	40294	AOML	748	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	51.37	-11.92
4100616	101618	AOML	274	-	-	X	X	X	-	-	X	-	-	-	L	2007-3107	39.18	-58.33
4100617	104138	AOML	755	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	28.66	-62.84
4100676	104127	AOML	746	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	33.92	-25.73
4100695	12724770	AOML	735	-	-	X	X	X	-	-	-	-	-	-	T	0107-3107	46.62	-40.94
4100733	36606	LODY	1417	-	-	X	-	X	-	-	X	-	-	X	T	0107-3107	25.46	-37.88
4100734	36609	LODY	1448	-	-	X	-	X	-	-	X	-	-	X	T	0107-3107	22.66	-48.64
4100735	10729990	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0107-3107	20.31	-65.44
4100916	40047	AOML	760	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	38.82	-55.76
4100924	39190	AOML	751	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	39.12	-37.23
4100930	39891	AOML	754	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	33.73	-40.38
4100933	40008	AOML	758	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	27.13	-62.97
4100942	40079	AOML	745	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	32.32	-37.60
4100945	88623	AOML	671	-	-	X	-	X	-	-	X	-	-	-	L	0107-3107	30.18	-66.15
4100960	93006	AOML	696	-	-	X	-	X	-	-	X	-	-	-	L	0107-3107	43.23	-49.62
4400516	101619	AOML	275	-	-	X	X	X	-	-	X	-	-	-	L	2007-3107	33.82	-54.37
4400837	101617	AOML	274	-	-	X	X	X	-	-	X	-	-	-	L	2007-3107	32.05	-58.93
4400838	101616	AOML	274	-	-	X	X	X	-	-	X	-	-	-	L	2007-3107	33.71	-56.34
4400839	101615	AOML	274	-	-	X	X	X	-	-	X	-	-	-	L	2007-3107	34.41	-57.59
4400841	101620	AOML	275	-	-	X	X	X	-	-	X	-	-	-	L	2007-3107	36.67	-58.73
4400927	88663	AOML	721	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	55.75	-20.96
4400942	89832	AOML	761	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	70.37	33.47
4800652	83465	AOML	380	-	-	X	X	-	-	-	X	-	-	-	L	1607-3107	79.10	-6.03
6200501	11540090	CMM	746	-	-	X	X	X	-	-	X	-	-	X	T	0107-3107	41.58	-14.87
6200502	11758720	CMM	659	-	-	X	X	X	-	-	X	-	-	X	T	0407-3107	45.76	-19.35
6200503	11758700	CMM	611	-	-	X	X	X	-	-	X	-	-	X	T	0607-3107	48.17	-19.39
6200505	11120780	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0107-3107	42.90	-15.05
6200506	11755720	CMM	610	-	-	X	X	X	-	-	X	-	-	X	T	0607-3107	50.66	-25.99
6200513	11127760	CMM	748	-	-	X	X	X	-	-	X	-	-	X	T	0107-3107	40.98	-14.78
6200903	41421	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0107-3107	32.06	-25.69
6200935	92979	AOML	422	-	-	X	-	X	-	-	X	-	-	-	L	0107-3107	37.87	-18.01

MOORED BUOYS

It must be noticed that Greek and Italian moored buoys no longer report onto the GTS... even not SST and waves for these latter.

Operating EGOS moored buoys (K-pattern)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100001	Cote d'Azur	743	X	X	X	X	X	X	X	-	-	X	-	T	0107-3107	43.40	7.80
6100002	Lion	728	X	X	X	X	X	X	X	-	-	X	-	O	0107-3107	42.10	4.70
6200001	Gascogne	732	X	X	X	X	X	X	-	-	-	X	-	T	0107-3107	45.30	-5.00
6200029	K1	732	X	X	X	X	X	X	-	-	-	X	-	O	0107-3107	48.70	-12.50
6200081	K2	732	X	X	X	X	X	X	-	-	-	X	-	O	0107-3107	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-11.20
6200091	M2	740	X	X	X	-	X	X	-	-	-	X	X	O	0107-3107	53.50	-5.40
6200092	M3	739	X	X	X	-	X	X	-	-	-	X	X	O	0107-3107	51.20	-10.50
6200093	M4	740	X	X	-	-	X	-	-	-	-	-	-	O	0107-3107	54.70	-9.10
6200094	M5	739	X	X	X	-	X	-	-	-	-	X	X	O	0107-3107	51.70	-6.70
6200095	M6	726	X	X	X	X	X	X	-	-	-	X	-	O	0107-3107	53.10	-15.90
6200105	K4	658	X	X	X	X	X	X	-	-	-	X	-	O	0107-3107	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.50
6200163	Brittany	733	X	X	X	X	X	X	-	-	-	X	-	O	0107-3107	47.50	-8.40
6400045	K5	730	X	X	X	X	X	X	-	-	-	X	-	O	0107-3107	59.10	-11.70
6400046	K7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-5.20

Comments:

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- 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	732	X	X	X	-	X	X	X	-	-	-	-	O	0107-3107	28.18	-15.82
1300131	Tenerife Sur	455	X	X	X	-	X	X	X	-	-	-	-	O	0107-3107	28.00	-16.58
6100196	C. Begur	703	X	X	X	-	-	X	X	-	-	-	-	O	0107-3107	41.92	3.65
6100197	Mahon	744	X	X	X	-	-	X	X	-	-	-	-	O	0107-3107	39.72	4.42
6100198	C. de Gata	743	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	36.57	-2.33
6100280	Tarragona	744	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	40.77	1.47
6100281	Valencia	535	S	S	S	-	S	S	S	-	-	-	S		0107-2307	39.47	-0.27
6100417	C. de Palos	596	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	37.65	-0.32
6100430	Dragonera	744	X	X	X	-	X	X	X	-	-	-	-	O	0107-3107	39.56	2.11
6200024	Bilbao-Visc.	744	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	43.63	-3.03
6200025	C. de Penas	744	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	43.73	-6.17
6200082	E. de Bares	744	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	44.13	-7.69
6200083	Villano-Sis.	744	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	43.48	-9.22
6200084	C. Silleiro	744	X	X	X	-	X	X	X	-	-	-	X	O	0107-3107	42.12	-9.43
6200085	G. de Cadiz	293	S	S	S	-	S	S	S	-	-	-	S		0107-1307	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		-	-	-	-	-	-	-	-	-	-	-	-			37.44	15.15
6100208		-	-	-	-	-	-	-	-	-	-	-	-			37.52	12.53
6100209		-	-	-	-	-	-	-	-	-	-	-	-			38.26	13.33
6100210		-	-	-	-	-	-	-	-	-	-	-	-			39.02	17.22
6100211		-	-	-	-	-	-	-	-	-	-	-	-			39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-			40.62	9.89
6100213		-	-	-	-	-	-	-	-	-	-	-	-			40.55	8.11
6100214		-	-	-	-	-	-	-	-	-	-	-	-			40.87	12.95
6100215		-	-	-	-	-	-	-	-	-	-	-	-			40.98	17.38
6100216		-	-	-	-	-	-	-	-	-	-	-	-			42.24	11.55
6100218		-	-	-	-	-	-	-	-	-	-	-	-			43.83	13.72
6100219		-	-	-	-	-	-	-	-	-	-	-	-			43.93	9.83
6100220		-	-	-	-	-	-	-	-	-	-	-	-			45.33	12.52
6100221		-	-	-	-	-	-	-	-	-	-	-	-			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		7	S	S	S	-	S	S	-	-	-	-	-		0107-0107	40.00	24.70
6101004		7	S	S	S	-	S	S	-	-	-	-	-		0107-0107	39.10	25.80
6101005		7	S	S	-	-	S	S	-	-	-	-	-		0107-0107	37.50	25.50
6101006		7	S	-	S	-	S	S	-	-	-	-	-		0107-0107	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	231	X	X	X	-	-	-	-	-	-	X	-	O	0107-3107	43.80	9.10

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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, July 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120731	2500615	13409520	744	0	-0.2	0.3
20120731	2500619	57010	683	0	0.1	0.9
20120731	4100561	39073	739	0	0.1	0.4
20120731	4100915	39095	676	0	0.3	0.9
20120731	4100957	38569	737	0	-0.0	0.3
20120723	4400548	10820160	535	12	0.1	0.8
20120731	4400549	11025170	744	0	0.0	0.5
20120731	4400551	11027150	744	0	-0.3	0.3
20120731	4400609	10821540	744	0	0.2	0.4
20120731	4400612	13015860	744	0	0.1	0.4
20120715	4400614	10305940	359	0	0.0	0.3
20120731	4400615	11023600	744	2	-0.1	0.6
20120731	4400616	11813550	744	0	0.0	0.3
20120731	4400620	11022170	744	0	-0.2	0.3
20120731	4400622	11881820	515	0	-0.0	0.5
20120731	4400625	11502100	744	0	0.1	0.3
20120731	4400626	11814550	744	0	-0.0	0.4
20120731	4400627	11028170	744	0	-0.2	0.5
20120731	4400629	11021160	744	0	-0.0	0.4
20120731	4400630	13015830	744	0	0.0	0.4
20120731	4400685	12762900	696	0	0.1	0.5
20120731	4400686	12469250	698	0	-0.1	0.4
20120731	4400687	12294040	713	0	-0.3	0.4
20120731	4400721	13805460	744	0	0.0	0.4
20120731	4400724	13300270	744	0	-0.2	0.3
20120731	4400725	11027170	744	0	-0.1	0.4
20120731	4400726	11023190	744	0	-0.3	0.3
20120731	4400727	11026170	744	0	-0.2	0.4
20120731	4400728	11020190	744	0	-0.1	0.4
20120731	4400729	11462700	371	0	-0.2	0.4
20120731	4400730	11846540	347	0	-0.1	0.5
20120731	4400739	11023610	744	0	0.0	0.5
20120731	4400740	11883820	539	0	-0.0	0.4
20120731	4400744	13805450	744	0	-0.0	0.3
20120731	4400745	13010870	744	0	-0.2	0.4
20120731	4400746	13357510	744	0	-0.1	0.4
20120731	4400747	11029160	744	0	0.1	0.2
20120731	4400760	11880820	491	0	0.1	0.5
20120731	4400761	11883770	491	0	0.0	0.4
20120719	4400764	10822150	456	0	0.1	0.2
20120731	4400765	10820150	744	0	0.3	0.4
20120731	4400767	11919510	744	0	-0.1	0.4
20120731	4400768	11912520	698	0	0.0	0.4
20120731	4400769	11845540	299	0	-0.5	0.6
20120731	4400772	11544410	275	0	-0.1	0.3
20120731	4400774	11460700	299	0	-0.1	0.4
20120731	4400775	11540170	275	0	-0.2	0.3
20120731	4400776	11844540	275	0	-0.1	0.3
20120731	4400777	11885820	186	0	0.2	0.3
20120731	4400778	11463700	186	0	-0.3	0.3
20120731	4400779	11885820	186	0	0.1	0.3
20120731	4400780	11880840	186	0	0.2	0.3
20120731	4400835	83420	737	0	0.0	0.3
20120731	4400844	37533	736	0	-0.0	0.2
20120731	4400863	13015840	744	0	0.1	0.2
20120731	4400864	13614150	744	0	0.1	0.3
20120731	4400865	11022610	744	0	0.1	0.3
20120731	4400866	11020180	744	0	-0.1	0.4
20120731	4400867	11022740	744	0	-0.2	0.4
20120731	4400869	11026040	744	0	0.0	0.2
20120731	4400871	11025180	744	0	0.0	0.6
20120731	4400872	11027700	744	0	0.1	0.4

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20120731	4400873	11022600	744	0	-0.0	0.4
20120731	4400874	11023040	744	0	0.0	0.3
20120731	4400875	11021610	744	0	0.1	0.3
20120731	4400880	83428	535	1	0.2	0.5
20120731	4400885	39086	733	0	0.3	0.3
20120731	6200511	11026160	744	0	-0.1	0.3
20120731	6200518	11024270	744	0	-0.0	0.3
20120731	6200519	13114260	744	0	0.1	0.2
20120731	6200520	13611180	744	0	0.0	0.3
20120731	6200554	11027160	744	0	0.1	0.3
20120731	6200555	11023170	744	0	0.1	0.3
20120731	6200556	11021170	744	0	0.1	0.3
20120731	6200557	11028160	744	0	-0.1	0.3
20120731	6200558	11023180	744	0	-0.1	0.3
20120731	6200597	10301840	744	0	-0.2	0.3
20120731	6200677	11022050	367	0	0.2	0.2
20120731	6200678	11029050	744	0	-0.1	0.4
20120731	6200682	11541080	539	0	-0.2	0.3
20120731	6200683	11541170	514	0	-0.2	0.3
20120731	6200684	11882820	443	0	-0.1	0.4
20120731	6200685	11461700	443	0	-0.2	0.3
20120731	6200686	11845450	370	0	-0.1	0.4
20120731	6200696	11917510	744	0	0.1	0.3
20120731	6200697	12291040	744	0	-0.1	0.2
20120731	6200722	37773	734	0	0.0	0.3
20120731	6200724	39074	729	0	-0.0	0.3
20120731	6300551	11547410	131	0	-0.2	0.2
20120731	6300552	11548400	127	0	-0.2	0.2
20120731	6300553	11549400	131	0	-0.0	0.2
20120731	6300554	11549410	131	0	-0.1	0.2
20120731	6300637	11543080	21	0	0.1	0.2
20120724	6300641	11543090	476	51	-0.3	0.3
20120731	6300642	11548080	744	0	-0.2	0.4
20120731	6300643	11540080	744	0	-0.1	0.3
20120731	6300644	11543110	744	0	-0.2	0.3
20120731	6300645	11546070	744	0	-0.2	0.3
20120731	6300646	11467700	115	0	-0.1	0.2
20120731	6300647	11542420	105	0	0.0	0.3
20120731	6300648	11543410	110	0	0.0	0.2
20120731	6300649	11545420	121	0	-0.2	0.2
20120731	6400522	11029150	744	0	-0.1	0.3
20120731	6400523	11757730	744	0	0.0	0.3
20120731	6400524	10825640	744	0	0.4	0.3
20120731	6400525	10824120	744	0	0.2	0.3
20120718	6400609	13806460	367	17	0.4	1.4
20120731	6400620	11756730	744	0	-0.1	0.3
20120731	6400622	11886820	172	0	0.1	0.3
20120731	6500591	11887820	186	0	0.3	0.2

Air Pressure (hPa), moored buoys, July 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120731	1300130		732	0	0.9	0.6
20120731	1300131		455	0	0.2	0.6
20120731	6100001		740	0	0.5	0.4
20120731	6100002		725	0	0.2	0.6
20120731	6100010		231	0	-0.6	0.4
20120731	6100196		703	0	-0.1	0.7
20120731	6100197		744	0	0.7	0.6
20120731	6100198		743	0	0.2	0.7
20120731	6100280		744	0	0.9	0.6
20120723	6100281		535	0	0.7	0.7
20120731	6100417		596	0	0.6	0.6
20120731	6100430		744	0	-0.3	0.6
20120731	6200001		732	0	0.1	0.4
20120731	6200024		744	0	0.4	0.6
20120731	6200025		744	0	0.5	0.6
20120731	6200029		732	1	0.0	0.4
20120731	6200081		732	0	-0.1	0.4
20120731	6200082		744	0	0.5	0.5
20120731	6200083		744	0	0.5	0.5
20120731	6200084		744	0	0.6	0.5
20120713	6200085		293	0	0.7	0.5
20120731	6200091		740	0	0.2	0.4

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20120731	6200092	739	0	-0.1	0.4
20120731	6200094	739	0	0.4	0.4
20120731	6200095	695	2	0.2	0.9
20120731	6200105	658	0	-0.1	0.4
20120731	6200163	732	0	0.1	0.4
20120731	6400045	730	0	-0.1	0.3

Air Temperature (C), drifting buoys, July 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120731	2500619	57010	743	0	0.8	0.9

Air Temperature (C), moored buoys, July 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120731	1300130		732	0	-0.8	0.4
20120731	1300131		455	0	-0.1	0.9
20120731	6100001		743	0	-1.2	0.8
20120731	6100002		726	0	-0.2	0.7
20120731	6100010		231	0	0.4	1.1
20120731	6100196		703	0	-0.4	0.8
20120731	6100197		744	0	0.9	0.5
20120731	6100198		743	0	-0.1	1.2
20120731	6100280		744	0	-0.6	0.6
20120723	6100281		535	0	-0.5	0.7
20120731	6100417		596	0	0.1	1.0
20120731	6100430		744	0	0.1	0.5
20120731	6200001		732	0	-0.1	0.5
20120731	6200024		744	0	0.6	0.7
20120731	6200025		744	0	-0.2	0.6
20120731	6200029		732	0	-0.2	0.3
20120731	6200081		732	0	0.1	0.5
20120731	6200082		744	0	-0.3	0.6
20120731	6200083		744	0	0.1	0.5
20120731	6200084		744	0	0.1	0.7
20120713	6200085		293	0	-0.8	0.9
20120731	6200091		740	0	-0.2	0.4
20120731	6200092		739	0	-0.4	0.4
20120731	6200093		740	0	-0.1	0.6
20120731	6200094		739	0	0.1	0.4
20120731	6200095		722	0	-0.0	0.5
20120731	6200105		658	0	-0.0	0.4
20120731	6200163		731	1	0.0	0.7
20120731	6400045		730	0	-0.2	0.6
20120731	6600022		674	0	0.5	1.0

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120731	1300130		732	0	24	18
20120731	6100001		737	81	-3	30
20120731	6100002		727	2	-1	20
20120731	6100010		231	10	-8	30
20120731	6100196		687	22	-19	30
20120731	6100197		728	14	-8	24
20120731	6100198		723	35	-3	29
20120731	6100280		733	29	2	28
20120723	6100281		524	16	9	28
20120731	6100417		573	22	5	29
20120731	6100430		731	35	-2	34
20120731	6200001		732	4	-1	16
20120731	6200024		735	85	-5	43
20120731	6200025		725	40	-9	26
20120731	6200029		730	9	-1	13
20120731	6200081		730	0	-4	15
20120731	6200082		742	1	5	19
20120731	6200083		737	84	-45	50
20120731	6200084		721	18	4	20
20120713	6200085		293	3	-12	17

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20120731	6200091	738	8	-2	19
20120731	6200092	739	8	3	15
20120731	6200093	738	9	3	16
20120731	6200094	739	10	6	17
20120731	6200095	723	6	-0	18
20120731	6200105	653	0	-1	15
20120731	6200163	732	2	0	11
20120731	6400045	728	4	-2	16
20120731	6600022	674	135	-64	43

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Wind speed rate, moored buoys, July 2012

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20120731	1300130		732	2	0.9	1.3
20120731	6100001		737	0	1.2	1.9
20120731	6100002		727	1	1.0	1.4
20120731	6100010		231	0	1.4	1.9
20120731	6100196		687	0	0.9	1.7
20120731	6100197		728	0	1.1	1.4
20120731	6100198		723	0	0.9	2.1
20120731	6100280		733	0	1.2	1.4
20120723	6100281		524	0	1.1	2.0
20120731	6100417		573	0	1.0	2.0
20120731	6100430		731	0	1.2	1.6
20120731	6200001		732	0	1.0	0.9
20120731	6200024		735	0	1.1	1.3
20120731	6200025		725	0	0.8	1.8
20120731	6200029		730	0	1.0	1.1
20120731	6200081		730	2	1.0	1.1
20120731	6200082		742	0	0.8	1.1
20120731	6200083		737	2	0.9	1.6
20120731	6200084		721	0	1.0	1.4
20120713	6200085		293	0	1.0	1.2
20120731	6200091		738	0	1.0	1.5
20120731	6200092		739	0	1.0	1.4
20120731	6200093		738	0	1.0	1.3
20120731	6200094		739	0	1.0	1.5
20120731	6200095		723	0	1.1	1.2
20120731	6200105		653	0	1.1	1.3
20120731	6200163		732	0	1.0	0.9
20120731	6400045		728	0	1.1	1.4
20120731	6600022		674	22	1.3	1.3

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoy WMO **4400548** reported a few wrong pressure values onto the GTS before it stopped transmitting on the 23rd of July.
2. Metocean Iridium buoy WMO **6300641** reported a few wrong pressure values onto the GTS after it seems having probably been caught by a trawl on the 18th of July. The GTS transmission was stopped for this parameter.
3. For an unknown reason, Metocean Iridium buoy WMO **6400609** reported a few wrong pressure values onto the GTS before the transmission was stopped for this parameter on the 18th of July.

Wind

4. It seems obvious that wind directions reported by Spanish moored buoy WMO **1300130** have been systematically biased by 20-30 degrees for several months.
5. Wind directions reported by Spanish moored buoy WMO **6200083** are still scattered and biased in average - 45 degrees in July as in June -, but this could be due to local conditions.
6. Wind directions reported by Oder Bank moored buoy (WMO **6600022**) have been unreliable since the 7th of July. The buoy also reported a few gross errors in wind speed in July.

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.