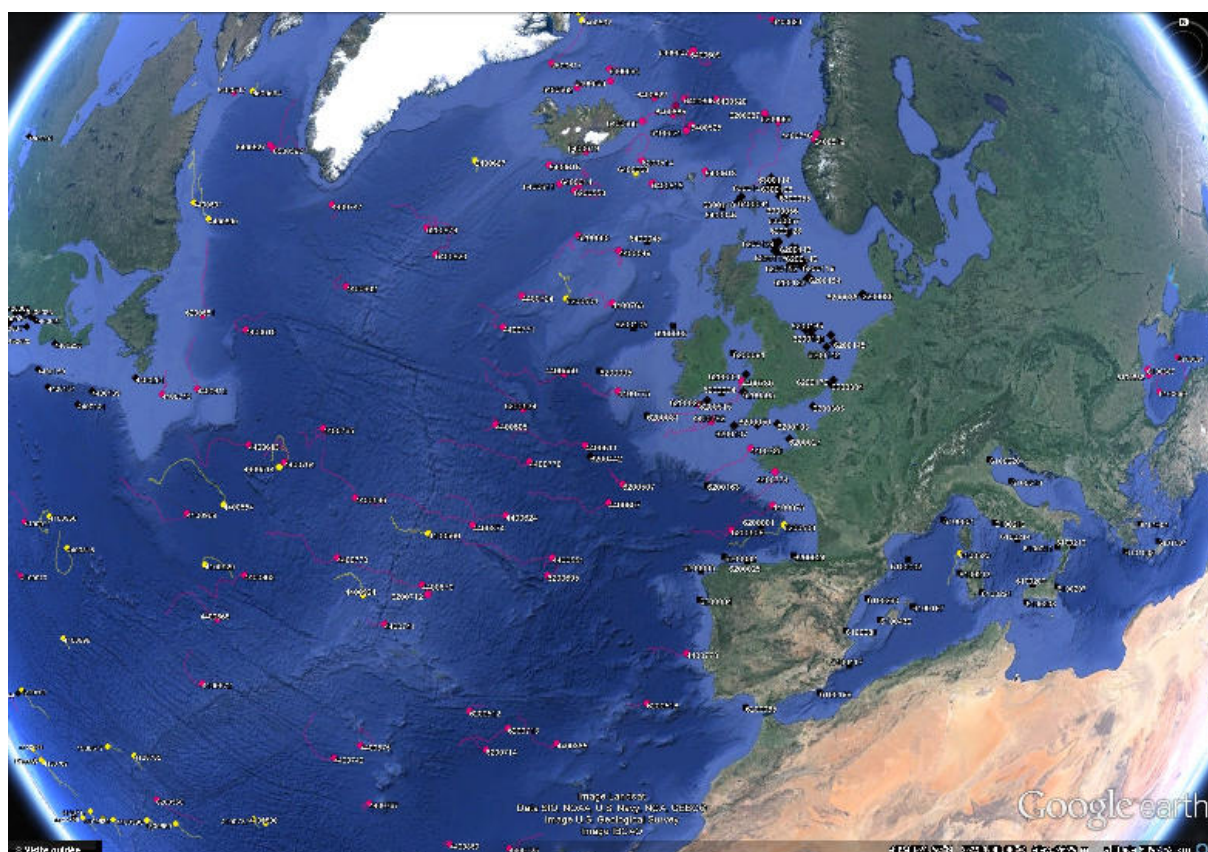


DATA BUOY MONTHLY REPORT

December 2013



*December 2013 : Operating data buoys in the North Atlantic
Drifting buoy trajectories : E-SURFMAR (red), others (yellow)
Moored buoy positions (black)*

*Most recent trajectories may be seen at:
http://www.meteo.shom.fr/cartographie/data/kml/MeteoFrance_buoys_map_15.kmz*

E-SURFMAR DB Monthly Report
December 2013



December 2013
Drifting buoy trajectories in Arctic Ocean and adjacent seas : E-SURFMAR (red), others (yellow)

DRIFTING BUOYS

Network status

By the end of December, **106 Drifting buoys**, reporting air pressure onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 82 were E-SURFMAR funded Iridium SVP-Bs, including 8 in the Arctic and 11 HRSST-2 buoys. The remaining buoys were: 21 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR and 3 Iridium buoys owned by an external partner, Marlin Yug in the Black Sea. E-SURFMAR is funding the communication for these latter : another opportunity to evaluate the products of this manufacturer and to have buoys in operation in the Black Sea.

These buoys included beached buoys reporting reliable pressure onto the GTS : buoy WMO 6400619 ashore in Iceland for which the GTS transmission was stopped on Jan. 2nd, 2014 as well as buoys WMO 4100637 and 6400519) ashore in Norway.

As usually in autumn and winter, the GTS data transmission had to be tuned between buoys reporting wrong air pressure data (transmission was switched off) and buoys reporting correct data back after a while (transmission was restored).

It must be noticed that 60% of the buoys which stopped operating in December did it after 13.5 months at sea.

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

Besides E-SURFMAR buoys, 41 drifting buoys were reporting at least air pressure observations from the EUMETNET area of interest. Out of these, 7 were reporting Sea Surface Salinity, some in the frame of Spurs/Strasse campaign (validation of SMOS and Aquarius remote SSS measurements).

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400610	61517860	MSB	EU	20131210	52.0	-46.0	Reykjavik	Skogafoss
4400612	61511880	MSB	EU	20131222	50.0	-49.7	Reykjavik	Skogafoss
4400744	61515860	MSB	EU	20131210	50.0	-48.4	Reykjavik	Skogafoss
4400745	60899120	MSB	EU	20131211	48.0	-50.9	Reykjavik	Skogafoss
4400747	61610060	MSB	EU	20131225	58.0	-42.5	Reykjavik	Skogafoss
6400667	61615060	MSB	EU	20131226	62.0	-29.0	Reykjavik	Skogafoss
6400668	60177860	MSB	EU	20131222	62.5	-12.0	Rotterdam	Selfoss
6400669	60177710	MSB	EU	20131226	63.0	-15.8	Rotterdam	Selfoss

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
2500618	64244420	MSB	EU	739	-	-	X	X	S	-	-	X	-	-	-	T	0112-3112	80.16	113.68	127
2500619	60276270	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	85.67	91.05	125
2500622	11540110	MSB	EU	741	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	86.79	5.36	484
2500624	60247420	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	85.23	120.46	123
2500648	60370080	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	82.28	123.56	114
2500650	60378060	MSB	EU	737	-	-	X	X	S	-	-	X	-	-	-	T	0112-3112	79.45	134.77	117
2500652	60176700	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	81.88	103.73	111
2600556	11549080	MSB	EU	739	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	78.93	-14.04	465
4100969	60213780	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	41.56	-45.12	146
4100970	60213790	PSB	UP	709	-	-	X	X	X	-	-	X	-	-	-	T	0212-3112	31.10	-58.89	145
4100971	60215900	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	34.58	-59.80	145
4100972	60217780	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	33.10	-41.15	145
4400546	11160640	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	45.67	-32.77	287
4400549	11025170	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	58.51	-14.31	695
4400550	11545160	MSB	E2	739	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	52.71	-19.04	287

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4400551	11027150	MSB	EU	739	-	-	X	X	-	-	X	-	-	T	0112-3112	44.16	-19.46	695	
4400602	11468700	MSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	55.10	-37.97	285
4400605	11473110	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	50.16	-23.32	235
4400607	11474110	MSB	EU	715	-	-	X	X	X	-	-	X	-	-	T	0112-3112	46.76	-15.56	236
4400610	61517860	MSB	EU	482	-	-	X	X	X	-	-	X	-	-	T	1112-3112	51.27	-45.81	22
4400611	11471110	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	49.58	-17.13	301
4400612	61511880	MSB	EU	207	-	-	X	X	X	-	-	X	-	-	T	2312-3112	48.01	-47.89	10
4400613	11475040	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	46.04	-42.80	301
4400624	11341110	YSB	EU	735	-	-	X	X	X	-	-	X	-	-	T	0112-3112	45.98	-22.42	386
4400724	13300270	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	56.18	-22.44	556
4400725	11027170	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	28.52	-20.79	557
4400726	11023190	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	48.73	-5.39	556
4400730	11846540	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	51.90	-5.34	534
4400740	11883820	PSB	UP	740	-	-	X	X	X	-	-	X	-	-	T	0112-3112	31.86	-31.82	542
4400741	11688230	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	39.85	-29.44	466
4400745	60899120	MSB	EU	483	-	-	X	X	X	-	-	X	-	-	T	1112-3112	46.65	-50.37	21
4400747	61610060	MSB	EU	108	-	-	X	X	X	-	-	X	-	-	T	2712-3112	58.75	-42.22	7
4400762	11244970	YSB	EU	733	-	-	X	X	X	-	-	X	-	-	T	0112-3112	50.32	-7.91	381
4400763	11683410	MSB	EU	726	-	-	X	X	X	-	-	X	-	-	T	0112-3112	56.16	-14.97	301
4400764	11688400	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	46.46	-38.39	278
4400765	11685410	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	48.35	-36.45	278
4400767	11919510	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	29.68	-29.48	705
4400770	11798230	MSB	E2	706	-	-	X	X	X	-	-	X	-	-	T	0112-3112	48.62	-20.71	313
4400771	60507000	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	54.79	-23.85	313
4400773	60211790	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	42.38	-33.37	171
4400774	11460700	MSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	47.53	-3.64	532
4400775	11540170	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	52.06	-14.70	531
4400778	11463700	MSB	UP	726	-	-	X	X	X	-	-	X	-	-	T	0112-3112	39.51	-10.63	529
4400863	60211690	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	39.91	-39.81	169
4400865	11022610	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	34.81	-18.40	681
4400868	11794230	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	37.23	-41.16	238
4400869	11026040	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	28.29	-24.40	671
4400870	60210460	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	42.04	-27.55	169
4400873	11022600	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	45.99	-4.29	655
4400874	60213460	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	45.57	-24.61	169
4400875	11021610	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	33.02	-30.10	655
6100687	11247960	YST	UA	723	-	-	X	X	X	-	-	X	-	-	T	0112-3112	44.46	29.73	42
6100690	11248990	YST	UA	734	-	-	X	X	X	-	-	X	-	-	T	0112-3112	42.95	29.98	42
6100691	11249940	YST	UA	736	-	-	X	X	X	-	-	X	-	-	T	0112-3112	43.36	33.72	102
6200507	11288550	DSB	UP	735	-	-	X	X	X	-	-	X	-	-	T	0112-3112	47.85	-14.44	247
6200508	10759040	DSB	UP	735	-	-	X	X	X	-	-	X	-	-	T	0112-3112	45.24	-7.16	245
6200512	11687230	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	36.18	-23.50	238
6200514	60203700	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	63.26	-11.84	313
6200515	11795230	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	51.18	-8.57	313
6200516	11475100	MSB	EU	728	-	-	X	X	X	-	-	X	-	-	T	0112-3112	37.09	-12.93	239
6200520	13611180	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	19.93	-62.58	693
6200534	11683400	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	51.05	-21.65	98
6200553	11165650	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	61.74	-18.21	283
6200556	11021170	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	23.65	-43.81	665
6200678	11029050	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	59.06	-31.83	682
6200680	11166640	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	59.34	-18.30	410
6200681	11168640	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	51.27	-49.76	411
6200684	11882820	PSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	74.33	8.63	537
6200686	11845450	MSB	E2	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	64.25	4.18	536
6200687	11349100	YSB	EU	721	-	-	X	X	X	-	-	X	-	-	T	0112-3112	64.62	3.29	390
6200695	60408990	MSB	E2	737	-	-	X	X	X	-	-	X	-	-	T	0112-3112	43.34	-19.08	239
6200712	11799220	MSB	E2	756	-	-	X	X	X	-	-	X	-	-	T	0112-3112	41.81	-26.78	239
6200713	11246980	YSB	EU	724	-	-	X	X	X	-	-	X	-	-	T	0112-3112	35.49	-21.27	385
6200714	11240980	YSB	EU	728	-	-	X	X	X	-	-	X	-	-	T	0112-3112	34.24	-22.50	382
6300552	11548400	MSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	76.13	-3.03	524
6300639	11471050	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	71.77	36.44	418
6300640	60172710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	72.80	26.57	140
6300642	11548080	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	70.96	10.72	562
6400516	11473100	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	71.81	14.70	448
6400518	11472110	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	74.37	8.29	448
6400519	11547420	MSB	UP	711	-	-	X	X	S	-	-	X	-	-	T	0112-3112	63.05	7.40	242
6400520	11479040	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	66.13	-2.12	235
6400521	11470030	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	74.79	4.59	233
6400525	60175710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	64.84	-5.89	137
6400526	60175700	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	66.00	-7.18	137
6400527	11549160	MSB	UP	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	60.27	-52.30	475
6400606	11478100	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	66.43	-5.88	419
6400607	11479100	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	69.00	-3.39	419
6400609	11379950	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	68.91	-3.71	234
6400611	11548420	MSB	UP	694	-	-	X	X	X	-	-	X	-	-	T	0112-3112	62.13	-19.74	180
6400613	60174710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	T	0112-3112	62.38	-5.33	122

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6400614	60178700	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	61.87	-18.20	118
6400615	60173700	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	61.95	-10.91	53
6400616	60178710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	62.74	-21.62	52
6400619	11544440	MSB	UP	740	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	63.68	-17.77	333
6400620	11756730	MSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	57.83	-30.77	579
6400621	60170720	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	64.70	-6.79	136
6400622	60172810	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	66.56	-9.72	138
6400623	11470040	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	70.16	9.63	234
6400662	11475110	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	67.11	-19.13	37
6400663	60175810	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	67.51	-15.09	36
6400664	60176710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	68.23	-15.22	36
6400665	60171710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	65.56	-7.75	34
6400666	60179710	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	65.18	-11.45	34
6400667	61615060	MSB	EU	109	-	-	X	X	X	-	-	X	-	-	-	T	2712-3112	62.72	-29.81	6
6400668	60177860	MSB	EU	181	-	-	X	X	X	-	-	X	-	-	-	T	2412-3112	62.55	-12.47	10

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2500617	11540100	MSB	EU	20131228	68.4	-23.1	476	Faded ?
2500623	60174700	MSB	EU	20131223	84.8	130.3	114	Unknown
4400606	11687410	MSB	EU	20131213	32.4	-41.8	435	Faded ?
4400616	11813550	MSB	EU	20131201	65.8	11.7	679	Faded ?
4400623	11167640	MSB	EU	20131213	57.8	-6.8	395	Ashore in Hebrides Is.
4400744	61515860	MSB	EU	20131211	49.9	-48.4	1	Unknown
4400746	13357510	MSB	EU	20131225	63.3	7.9	748	Ashore in Norway then faded ?
4400760	11880820	PSB	UP	20131201	54.3	-8.8	510	Ashore in Ireland
4400769	60210790	PSB	UP	20131201	30.7	-69.7	141	Unknown
4800662	10822620	MSB	EU	20131205	55.0	-34.4	482	Faded ?
6100688	11248970	YST	UA	20131220	44.1	29.6	31	Unknown
6200522	11680430	MSB	EU	20131201	44.4	-7.3	437	Faded (battery empty)
6300551	11547410	MSB	UP	20131228	77.2	51.7	525	Faded (battery empty)
6300635	11477140	MSB	EU	20131231	75.6	0.3	447	AP failed - Rehabilitated on Jan. 2 nd , 2014
6300636	60278250	MSB	EU	20131205	80.2	13.7	114	Unknown
6400517	11476100	MSB	EU	20131220	61.5	-61.6	142	Unknown
6400522	11029150	MSB	EU	20131205	64.3	10.2	668	Faded ?
6500592	11164650	MSB	EU	20131231	60.2	-51.7	411	AP failed - Rehabilitated on Jan. 2 nd , 2014
6500594	11472050	MSB	EU	20131225	62.2	-59.4	115	Unknown

----- 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
1300577	114638	LODY		1432	-	-	X	-	-	-	-	X	-	-	X	T	0112-3112	25.17	-48.28
1300600	43869	AOML		741	-	-	X	X	-	-	-	X	-	-	-	L	0112-3112	22.58	-57.68
1300659	11910180	UKMO		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	26.11	-25.89
1300660	11022040	UKMO		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	22.62	-42.41
1300662	11098800	UKMO		737	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	26.54	-26.73
1300664	11090810	UKMO		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	25.93	-25.76
1300665	11091810	UKMO		708	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	17.43	-56.04
1300666	11099800	UKMO		738	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	15.45	-44.21
4100560	114550	AOML		740	-	-	X	-	-	-	-	X	-	-	-	L	0112-3112	44.67	-27.45
4100596	11473050	AOMF		732	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	21.29	-44.96
4100632	11546410	AOMF		732	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	18.78	-48.18
4100636	11568080	AOMF		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	36.57	-67.06
4100705	11596570	AOMF		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	25.86	-45.93
4100706	11595580	AOMF		740	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	15.66	-51.69
4100707	11590580	AOMF		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	17.95	-49.33
4100708	11585510	AOMF		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	17.32	-57.15
4100709	11598570	AOMF		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	17.46	-55.80
4100711	11477030	AOMF		739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	17.48	-50.59
4100734	60215910	LODY		929	-	-	X	X	X	-	-	X	-	-	X	T	1212-3112	7.60	-39.08
4100736	60215450	LODY		1004	-	-	X	X	X	-	-	X	-	-	X	T	1012-3112	11.14	-40.14
4100737	60342390	CMM		561	-	-	X	X	X	-	-	X	-	-	X	T	0612-3112	26.11	-36.71
4100800	60547830	CMM		562	-	-	X	X	X	-	-	X	-	-	X	T	0612-3112	26.25	-35.93
4100929	101720	AOML		731	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	39.65	-42.66
4100932	101716	AOML		665	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	32.26	-69.59
4100958	101700	AOML		740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	36.40	-57.42
4100999	114623	AOML		627	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	30.02	-53.37
4400514	126483	AOML		740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	45.96	-38.51

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4400516	114599	AOML	626	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.49	-54.38
4400554	126479	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	43.17	-42.31
4400690	11248370	EC	744	-	-	X	X	X	-	-	X	-	-	-	O	0112-3112	55.52	-54.56
4400691	11245370	EC	734	-	-	X	X	X	-	-	X	-	-	-	O	0112-3112	55.77	-57.06
4400924	126481	AOML	733	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	41.07	-30.98
4700564	11095250	APL	744	-	-	X	X	-	-	-	-	-	-	-	O	0112-3112	71.87	-20.60
4800520	46517	PSC	744	-	X	X	X	-	-	-	-	-	-	-	L	0112-3112	75.84	-19.44
4800533	114527	NESD	248	-	X	X	X	X	-	-	-	-	X	-	O	0112-3112	72.12	-19.75
6100523	10209530	CMM	731	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	41.48	8.27
6200501	11540090	CMM	224	-	-	X	X	X	-	-	X	-	-	X	T	0112-3112	25.82	-26.47
6200503	11758700	CMM	739	-	-	X	X	X	-	-	X	-	-	S	T	0112-3112	45.05	-3.71
6200504	11972540	CMM	219	-	-	X	X	X	-	-	X	-	-	X	T	0112-3112	56.33	-18.76
6300544	xx973540	APL	744	-	-	X	X	S	-	-	-	-	-	-	O	0112-3112	80.52	3.29
6400532	xx586520	APL	367	-	-	X	X	X	-	-	-	-	-	-	O	0112-2912	71.15	-19.64

----- Abbreviations -----

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

Ow : Buoy owner (country code or EU for EUCOS, E2 for HRSST-2 buoys, UP for upgraded buoys)
 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

Four Greek moored buoys had been reporting GTS data back since the 7th of November. One stopped transmitting on the 20th of December.

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	381	S	S	S	S	S	S	S	-	-	S	-		0112-2012	43.40	7.80
6100002	Lion	659	X	X	X	X	X	X	X	-	-	X	-	T	0112-3112	42.10	4.70
6200001	Gascogne	744	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	45.30	-5.00
6200029	K1	-	-	-	-	-	-	-	-	-	-	-	-			48.70	-12.50
6200081	K2	571	X	X	X	X	-	X	-	-	-	X	-	O	0112-3112	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-			53.10	-11.20
6200091	M2	737	X	X	X	-	-	X	-	-	-	X	-	O	0112-3112	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-			51.20	-10.50
6200093	M4	729	X	X	X	-	X	S	-	-	-	-	-	O	0112-3112	54.70	-9.10
6200094	M5	742	X	X	X	-	X	-	-	-	-	X	-	O	0112-3112	51.70	-6.70
6200095	M6	668	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	53.10	-15.90
6200105	K4	741	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-			53.50	-19.50
6200163	Brittany	736	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	47.50	-8.40
6400045	K5	741	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	59.10	-11.70
6400046	K7	744	X	X	X	-	S	S	-	-	-	X	-	O	0112-3112	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	-	-	-	-	-	-	-	-	-	-	-	-			28.18	-15.82
1300131	Tenerife Sur	740	X	X	X	-	-	X	X	-	-	-	-	O	0112-3112	28.00	-16.58
6100196	C. Begur	-	-	-	-	-	-	-	-	-	-	-	-			41.92	3.65
6100197	Mahon	714	X	X	X	-	-	X	X	-	-	-	-	O	0112-3112	39.72	4.42
6100198	C. de Gata	729	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	36.57	-2.33
6100280	Tarragona	726	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	40.77	1.47
6100281	Valencia	743	X	X	X	-	X	S	X	-	-	-	X	O	0112-3112	39.47	-0.27
6100417	C. de Palos	744	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	37.65	-0.32
6100430	Dragonera	744	X	X	X	-	X	X	X	-	-	-	-	O	0112-3112	39.56	2.11
6200024	Bilbao-Visc.	744	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	43.63	-3.03
6200025	C. de Penas	573	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	43.73	-6.17
6200082	E. de Bares	751	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	44.13	-7.69
6200083	Villano-Sis.	744	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	43.48	-9.22
6200084	C. Silleiro	744	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	42.12	-9.43
6200085	G. de Cadiz	744	X	X	X	-	X	X	X	-	-	-	X	O	0112-3112	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		1348	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	37.44	15.15
6100208		857	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	37.52	12.53
6100209		688	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	38.26	13.33
6100210		1477	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	39.02	17.22
6100211		1478	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-			40.62	9.89
6100213		1474	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	40.55	8.11

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6100214	1476	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	40.87	12.95
6100215	1479	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	40.98	17.38
6100216	1376	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	42.24	11.55
6100218	1094	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	43.83	13.72
6100219	45	-	-	S	-	S	S	-	-	-	-	-		0112-0112	43.93	9.83
6100220	1179	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	45.33	12.52
6100221	1478	-	-	X	-	X	X	-	-	-	-	-	O	0112-3112	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		131	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	37.60	23.60
6101002			-	-	-	-	-	-	-	-	-	-	-			37.00	22.10
6101003		53	S	S	S	-	S	S	-	-	-	-	-		0112-0812	40.00	24.70
6101004			-	-	-	-	-	-	-	-	-	-	-			39.10	25.80
6101005			-	-	-	-	-	-	-	-	-	-	-			37.50	25.50
6101006			-	-	-	-	-	-	-	-	-	-	-			36.30	25.50
6101007		245	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	35.80	24.90
6101008		200	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	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
1200050	Cycofos	744	-	-	X	-	-	-	-	-	-	-	-	O	0112-3112	33.60	31.90
6100010	Italia-1		-	-	-	-	-	-	-	-	-	-	-			43.80	9.10
6200442	PAP	741	-	X	X	-	-	X	-	-	-	X	-	O	0112-3112	49.00	-16.40
6600021	Arkona Becken	735	X	X	-	-	X	-	-	-	-	-	-	O	0112-3112	54.90	13.90
6600022	Oder Bank	394	S	S	-	-	S	-	-	-	-	-	-		0112-1812	54.10	14.20
6600024	Darsser Schwell	391	X	X	-	-	X	-	-	-	-	-	-	O	0112-3112	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		475	-	X	-	-	X	-	-	-	-	X	-	L	0112-3112	11.49	-38.40
4100040	West Atlantic	741	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.50	-53.00
4100041	Mid. Atlantic	742	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.50	-46.00
4100043	Porto Rico	740	X	-	X	X	X	X	-	-	-	-	-	O	0112-3112	21.00	-65.00
4100044		742	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	21.70	-58.70
4100046		743	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	23.90	-70.90
4100047			-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
4100048		742	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	32.00	-69.60
4100049		744	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	27.50	-53.00
4100139		574	X	X	X	-	X	-	-	-	-	X	-	L	0112-3112	20.02	-37.86
4100300	Antilles	598	X	X	X	X	X	X	-	-	-	X	-	T	0112-3112	15.85	-57.47
4200059	Caraibes	743	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	15.00	-67.50
4400008	A Nantucket		-	-	-	-	-	-	-	-	-	-	-			40.50	-69.40
4400011	D Georges Bk		-	-	-	-	-	-	-	-	-	-	-			41.10	-66.60
4400018	SE Cape Cod		-	-	-	-	-	-	-	-	-	-	-			41.30	-69.30
4400024	NNE Channel	724	X	X	-	-	X	X	-	-	-	-	-	O	0112-3112	42.30	-65.90
4400137	E Scotia Sl.	730	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	42.30	-62.00
4400138	SW Gd Banks		-	-	-	-	-	-	-	-	-	-	-			44.30	-53.60
4400139	Beanquereau	739	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	44.30	-57.10
4400140	Tail of Bk		-	-	-	-	-	-	-	-	-	-	-			43.80	-51.70
4400141	Larentian F	740	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	43.00	-58.00
4400150	La Have Bk	727	X	-	X	X	X	X	-	-	-	-	-	O	0112-3112	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, December 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20131228	2500617	11540100	662	0	-0.2	0.6
20131231	2500618	60244420	739	0	-0.1	0.4
20131231	2500619	60276270	739	0	0.1	0.4
20131231	2500622	11540110	741	0	-0.0	0.4
20131223	2500623	60174700	545	0	-0.1	0.4
20131231	2500624	60247420	739	0	0.2	0.4
20131231	2500648	60370080	739	0	0.1	0.4
20131231	2500650	60378060	737	0	-0.1	0.5
20131231	2500652	60176700	739	0	0.2	0.4
20131231	2600556	11549080	739	0	-0.2	0.7
20131231	4100969	60213780	739	0	-0.6	0.9
20131231	4100970	60213790	709	0	0.3	0.6
20131231	4100971	60215900	739	0	0.0	0.6
20131231	4100972	60217780	739	0	0.1	0.4
20131231	4400546	11160640	739	0	-0.2	0.8
20131231	4400549	11025170	739	34	-0.3	2.4
20131231	4400550	11545160	739	2	0.2	1.2
20131231	4400551	11027150	739	0	-0.2	1.3
20131231	4400602	11468700	739	0	-0.1	1.0
20131231	4400605	11473110	739	0	-0.2	1.1
20131213	4400606	11687410	309	0	-0.1	0.5
20131231	4400607	11474110	715	0	-0.1	0.7
20131231	4400610	61517860	506	19	0.2	1.3
20131231	4400611	11471110	739	0	0.1	0.9
20131231	4400612	61511880	207	0	0.3	1.1
20131231	4400613	11475040	739	0	-0.4	0.9
20131201	4400616	11813550	16	0	0.1	1.8
20131213	4400623	11167640	303	0	-0.3	0.6
20131231	4400624	11341110	735	0	-0.1	0.8
20131231	4400724	13300270	739	0	-0.4	1.0
20131231	4400725	11027170	739	0	-0.1	0.6
20131231	4400726	11023190	739	0	-0.6	0.6
20131231	4400730	11846540	739	1	-0.1	0.9
20131231	4400740	11883820	739	0	-0.1	0.4
20131231	4400741	11688230	739	0	-0.0	0.5
20131231	4400745	60899120	486	3	0.1	1.0
20131225	4400746	13357510	726	0	-0.1	0.8
20131231	4400747	61610060	133	8	-0.8	2.4
20131201	4400760	11880820	17	0	-0.1	0.4
20131231	4400762	11244970	733	0	-0.0	0.8
20131231	4400763	11683410	726	0	-0.1	1.0
20131231	4400764	11688400	739	0	-0.5	0.9
20131231	4400765	11685410	739	0	-0.1	1.0
20131231	4400767	11919510	739	0	-0.1	0.5
20131201	4400769	60210790	12	0	0.0	0.5
20131231	4400770	11798230	706	7	-0.1	1.8
20131231	4400771	60507000	739	1	-0.3	0.9
20131231	4400773	60211790	739	0	-0.2	0.6
20131231	4400774	11460700	739	0	0.1	0.7
20131231	4400775	11540170	739	13	-0.3	1.4
20131231	4400778	11463700	726	0	-0.4	0.6
20131231	4400863	60211690	739	0	-0.0	0.5
20131231	4400865	11022610	739	2	0.5	1.3
20131231	4400868	11794230	739	0	0.1	0.5
20131231	4400869	11026040	739	0	0.2	0.5
20131231	4400870	60210460	739	0	-0.3	0.6
20131231	4400873	11022600	739	0	0.3	0.8
20131231	4400874	60213460	739	0	0.0	0.9
20131231	4400875	11021610	739	1	0.5	0.8
20131205	4800662	10822620	110	11	2.8	1.8
20131231	6100687	11247960	722	0	0.5	0.5
20131220	6100688	11248970	461	1	0.3	0.5

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20131231	6100690	11248990	734	0	0.2	0.5
20131231	6100691	11249940	736	0	-0.3	0.5
20131231	6200507	11288550	735	1	0.3	0.9
20131231	6200508	10759040	735	0	0.7	0.6
20131231	6200512	11687230	739	0	-0.2	0.6
20131231	6200514	60203700	739	0	-0.2	1.0
20131231	6200515	11795230	739	0	-0.0	0.8
20131231	6200516	11475100	728	0	-0.0	0.5
20131231	6200520	13611180	739	0	0.3	0.8
20131231	6200534	11683400	739	2	-0.2	1.0
20131231	6200553	11165650	739	0	-0.1	0.9
20131231	6200556	11021170	739	0	-0.1	2.0
20131231	6200678	11029050	739	0	-0.1	0.9
20131231	6200680	11166640	739	0	-0.3	0.9
20131231	6200681	11168640	739	0	0.1	0.8
20131231	6200684	11882820	739	0	-0.4	0.6
20131231	6200686	11845450	739	18	-0.4	1.0
20131231	6200687	11349100	721	0	-0.3	0.9
20131231	6200695	60408990	737	0	-0.0	0.6
20131231	6200712	11799220	756	0	-0.0	0.6
20131231	6200713	11246980	724	0	-0.2	0.6
20131231	6200714	11240980	728	0	-0.2	0.6
20131228	6300551	11547410	665	19	-0.6	1.2
20131231	6300552	11548400	456	20	-0.0	1.6
20131214	6300554	11549410	316	0	-0.4	1.2
20131204	6300635	11477140	86	0	-1.6	3.5
20131205	6300636	60278250	94	31	-0.9	3.5
20131231	6300639	11471050	739	55	-0.2	1.3
20131231	6300640	60172710	739	0	0.9	0.9
20131231	6300642	11548080	739	0	-0.0	0.6
20131231	6400516	11473100	739	0	-0.3	0.6
20131220	6400517	11476100	452	11	0.1	2.3
20131231	6400518	11472110	739	0	-0.1	0.7
20131231	6400519	11547420	711	0	-0.6	0.8
20131231	6400520	11479040	739	0	-0.2	0.9
20131231	6400521	11470030	739	6	-0.0	0.8
20131205	6400522	11029150	97	0	-0.4	0.9
20131231	6400525	60175710	739	2	-0.2	0.9
20131231	6400526	60175700	739	0	0.4	0.9
20131231	6400527	11549160	739	68	-0.3	2.3
20131231	6400606	11478100	739	0	-0.2	0.9
20131231	6400607	11479100	739	0	-0.1	1.0
20131231	6400609	11379950	739	0	-0.2	1.0
20131231	6400611	11548420	694	3	-0.4	1.1
20131231	6400613	60174710	739	1	-0.1	1.1
20131231	6400614	60178700	739	0	-0.1	0.8
20131231	6400615	60173700	739	3	0.2	1.2
20131231	6400616	60178710	739	0	0.1	0.7
20131231	6400619	11547420	740	61	-1.2	1.9
20131231	6400620	11756730	739	0	-0.1	0.8
20131231	6400621	60170720	739	2	-0.1	0.9
20131231	6400622	60172810	739	0	-0.2	0.8
20131231	6400623	11470040	739	0	0.5	1.0
20131231	6400662	11475110	739	0	-0.3	0.7
20131231	6400663	60175810	739	0	0.5	0.7
20131231	6400664	60176710	739	0	-0.1	0.6
20131231	6400665	60171710	739	0	-0.0	1.0
20131231	6400666	60179710	739	0	-0.1	0.9
20131231	6400667	61615060	109	0	-0.0	0.6
20131231	6400668	60177860	181	0	0.2	0.5
20131220	6500592	11164650	465	59	0.1	2.1

Air Pressure (hPa), moored buoys, December 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20131231	1200050		744	0	-0.0	0.5
20131231	1300131		740	0	0.6	0.8
20131220	6100001		372	2	0.0	0.7
20131231	6100002		654	0	-0.4	0.6
20131231	6100197		714	0	1.1	1.2
20131231	6100198		729	0	0.0	0.8
20131231	6100207		1348	0	0.3	0.7
20131231	6100208		857	0	-0.8	0.5

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20131231	6100209	688	0	-0.4	0.6
20131231	6100210	1477	0	0.5	0.7
20131231	6100211	1478	0	-0.0	0.7
20131231	6100213	1474	0	0.7	0.5
20131231	6100214	1476	0	-0.1	0.5
20131231	6100216	1376	0	-0.9	0.8
20131231	6100218	1094	1	0.3	0.5
20131201	6100219	45	0	0.6	0.6
20131231	6100220	1179	0	-0.7	0.5
20131231	6100221	1478	0	-0.5	0.6
20131231	6100280	726	0	0.4	0.7
20131231	6100281	743	0	-0.1	0.9
20131231	6100417	744	0	0.2	0.8
20131231	6100430	744	0	0.1	0.8
20131231	6101001	131	0	0.3	0.7
20131208	6101003	53	0	0.7	1.0
20131231	6101007	245	0	-0.0	0.7
20131231	6101008	200	0	-0.3	0.7
20131231	6200001	744	0	0.1	0.6
20131231	6200024	744	0	0.3	0.7
20131231	6200025	573	0	0.5	0.7
20131231	6200081	571	0	-0.5	1.0
20131231	6200082	744	0	0.2	0.7
20131231	6200083	744	0	-0.2	0.9
20131231	6200084	744	0	0.4	0.6
20131231	6200085	744	0	0.4	1.2
20131231	6200091	737	1	-0.6	1.1
20131231	6200093	729	1	-0.0	1.3
20131231	6200094	742	1	-0.2	1.1
20131231	6200095	666	6	0.0	1.3
20131231	6200105	741	0	-0.3	1.1
20131231	6200163	736	0	0.1	0.8
20131231	6400045	741	0	-0.1	1.2
20131231	6400046	744	0	-0.2	1.2

Air Temperature (C), moored buoys, December 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20131231	1300131		739	0	1.0	0.6
20131220	6100001		371	0	-0.2	0.7
20131231	6100002		655	1	-0.2	0.5
20131231	6100197		320	0	0.2	0.4
20131231	6100198		727	0	-0.0	0.6
20131231	6100280		726	0	0.8	0.6
20131231	6100281		743	0	0.5	0.6
20131231	6100417		742	0	-0.2	0.6
20131231	6100430		743	0	0.3	0.5
20131231	6101001		131	0	0.4	0.8
20131208	6101003		53	0	0.2	0.8
20131231	6101007		245	0	-0.6	0.7
20131231	6101008		200	0	0.3	0.8
20131231	6200001		744	0	-0.2	0.7
20131231	6200024		744	0	0.5	0.9
20131231	6200025		573	0	-0.5	1.0
20131231	6200081		518	0	-0.5	0.8
20131231	6200082		744	0	-0.0	0.7
20131231	6200083		744	0	-0.2	0.7
20131231	6200084		744	0	0.2	0.7
20131231	6200085		744	0	-0.1	0.6
20131231	6200091		737	0	-0.1	0.6
20131231	6200093		729	0	-0.3	0.8
20131231	6200094		742	0	0.5	0.6
20131231	6200095		624	0	-0.6	1.0
20131231	6200105		741	0	-0.6	0.9
20131231	6200163		736	0	-0.7	0.8
20131231	6400045		741	0	-0.5	0.9
20131231	6400046		744	0	-0.7	0.8
20131231	6600021		733	0	0.2	0.6
20131218	6600022		394	3	0.3	0.8
20131231	6600024		391	0	0.8	0.5

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Wind direction (deg.), moored buoys, December 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20131231	1300131		740	62	-5	31
20131220	6100001		361	41	-6	37
20131231	6100002		634	55	-31	43
20131231	6100197		709	10	-13	22
20131231	6100198		729	19	1	23
20131231	6100280		704	32	-16	28
20131231	6100281		673	55	11	35
20131231	6100417		724	5	-8	20
20131231	6100430		679	144	-6	31
20131231	6101001		130	1	4	27
20131208	6101003		53	4	-62	35
20131231	6101007		244	7	-17	20
20131231	6101008		200	32	-7	40
20131231	6200001		744	7	-1	20
20131231	6200024		744	9	-16	26
20131231	6200025		556	20	-2	32
20131231	6200081		568	0	-1	14
20131224	6200082		552	10	8	21
20131231	6200083		740	77	11	27
20131231	6200084		732	20	4	20
20131231	6200085		735	6	-0	18
20131231	6200091		737	66	9	18
20131231	6200093		729	4	9	15
20131231	6200094		741	5	3	14
20131231	6200095		278	1	-1	14
20131231	6200105		741	1	1	15
20131231	6200163		736	2	-6	14
20131231	6400045		739	4	2	18
20131231	6400046		743	4	5	17
20131231	6600021		731	4	-4	12
20131218	6600022		394	2	-10	14
20131231	6600024		391	1	-1	12

Wind speed rate, moored buoys, December 2013

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20131231	1300131		740	0	1.1	2.1
20131220	6100001		361	4	1.2	2.6
20131231	6100002		634	3	0.9	2.7
20131231	6100197		709	0	1.0	1.4
20131231	6100198		729	1	1.0	2.0
20131231	6100280		704	0	1.1	1.7
20131231	6100281		673	0	1.0	1.9
20131231	6100417		724	0	1.0	1.6
20131231	6100430		679	76	0.9	1.5
20131231	6101001		130	0	1.0	1.9
20131208	6101003		53	10	0.3	15.7
20131231	6101007		244	0	0.9	2.6
20131231	6101008		200	0	1.2	2.6
20131231	6200001		744	0	1.0	1.5
20131231	6200024		744	0	1.3	1.9
20131231	6200025		556	0	0.7	2.8
20131231	6200081		568	2	0.9	1.7
20131224	6200082		552	6	0.8	1.7
20131231	6200083		740	71	0.9	1.8
20131231	6200084		732	2	1.0	1.7
20131231	6200085		735	0	0.9	1.3
20131231	6200091		737	2	0.8	2.3
20131231	6200093		729	6	0.9	2.1
20131231	6200094		741	2	0.9	1.7
20131231	6200095		277	13	0.6	11.4
20131231	6200105		741	7	1.0	1.9
20131231	6200163		736	0	1.0	1.5
20131231	6400045		739	6	1.0	2.6
20131231	6400046		743	2	1.0	2.1
20131231	6600021		731	1	1.1	1.2
20131218	6600022		394	0	1.1	1.4
20131231	6600024		391	0	1.1	1.3

Comments on QC statistics :

Air pressure

1. During the month, the GTS data transmission for air pressure was stopped for Metocean buoys WMO **6300365** and **6500592** after they were found unreliable. The buoys were rehabilitated on January 2nd, 2014, later after the measurements appeared back correct during ten days at least.
2. Many Metocean buoys temporarily reported wrong pressure data onto the GTS in December but not enough for having the transmission stopped for this parameter : WMO **4400549**, **4400610**, **4400775**, **6200556**, **6200686**, **6300552**, **6300639**, **6400527** and **6400619**. This latter has been ashore in the south of Iceland for many months. The data transmission was finally stopped on January 2nd, 2014.
3. Several Metocean buoys reported a few wrong pressure data before they stopped transmitting. These are : WMO **4800662**, **6300551**, **6300636** and **6400517**.
4. Metocean buoy WMO **4400747** reported a few wrong data after its deployment. This buoy is the first one from a batch of 52 units for which the manufacturer changed the dataformat without noticing Meteo-France. The data processing had to be adapted. It must be noted that this batch of buoys does not correctly report strain gauge measurements. Related data serves to monitor the presence of the drogue.

Wind

5. Greek moored buoy WMO **6101003** reported abnormal calm winds before it stopped transmitting on December 8th.
6. Irish moored buoy WMO **6200095** (M6) reporting abnormal calm winds during 7 days : from December 24th to 30th.

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.