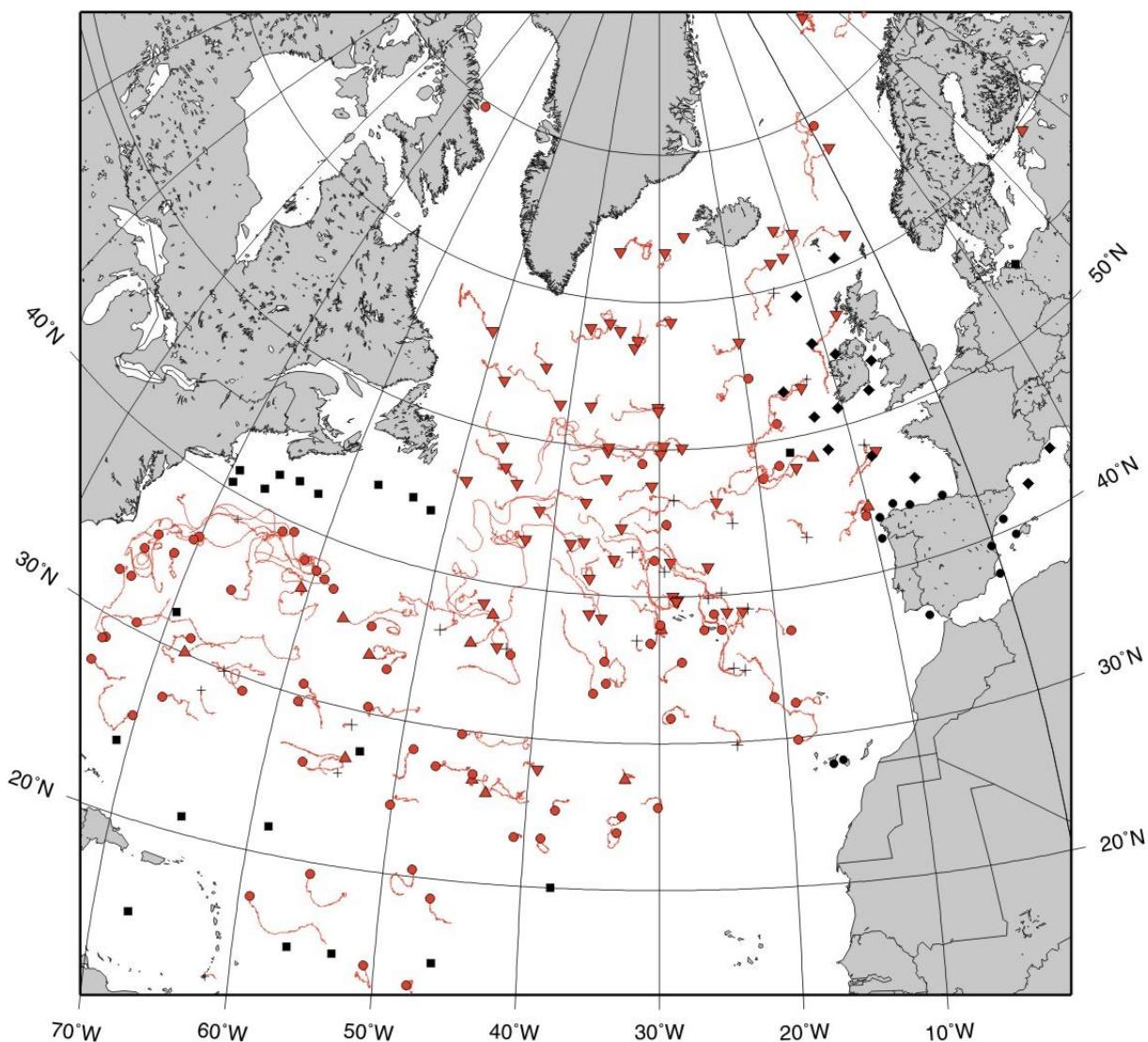


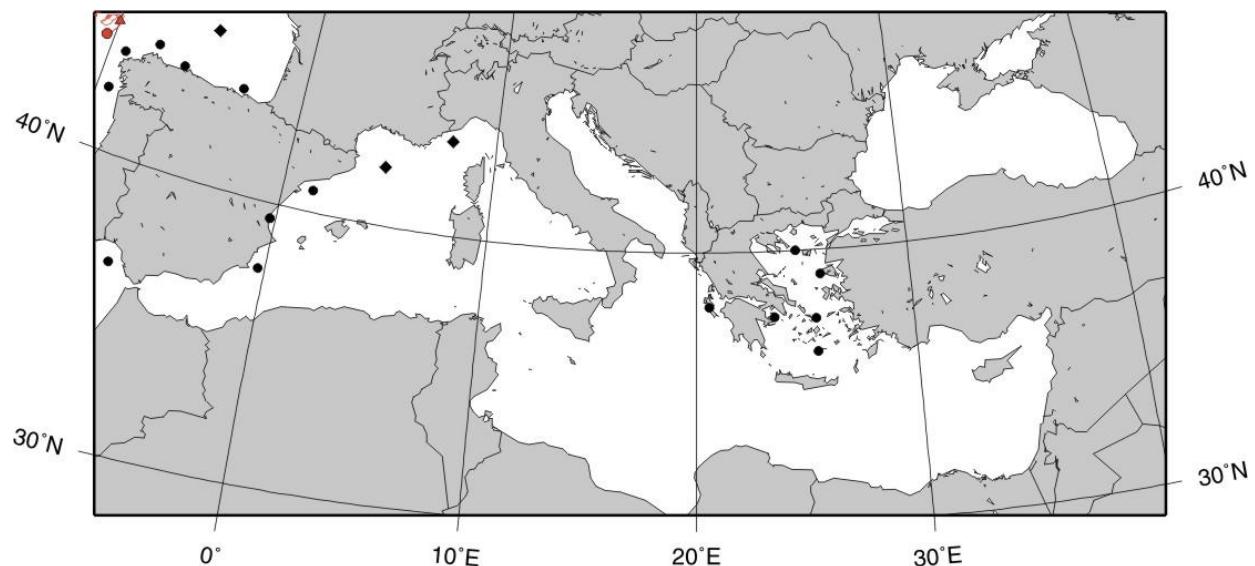
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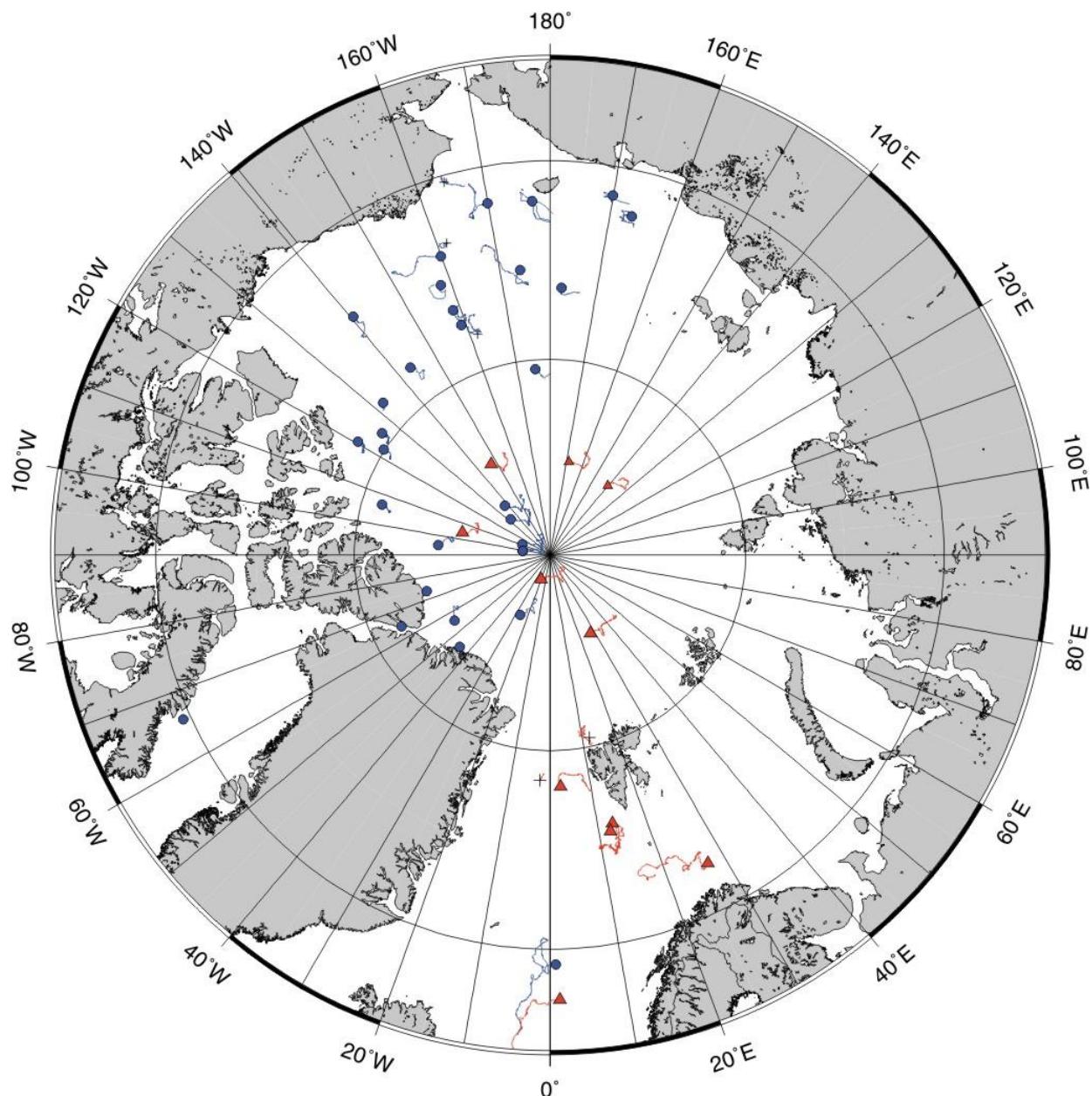
November 2011 - Operating data buoys in the North Atlantic
Drifting buoy trajectories and moored buoy positions

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November 2011 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions

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November 2011 - Drifting buoy trajectories in Artic Ocean
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DRAFTING BUOYS

Network status

By the end of November, only **73 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 these, 58 were E-SURFMAR funded Iridium SVP-Bs.

The remaining buoys were 12 Argos drifters owned by NOAA and upgraded with barometers by E-SURFMAR and three Iridium SVP-B drifters operated by Environment Canada.

In addition, one ICEB buoy five SVP-B drifters out of the six deployed by RV Polarstern in summer were in operation in the Arctic. The transmission of air pressure values was released back for ICEB buoy 2500615 after they were found reliable again.

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 number of buoys which failed in November was very high compared to previous months. In addition to the short lifetime issue due to a wrong management of the power consumption on recent series, we were faced to buoys which stop to correctly measure air pressure. It seems that some water is entering in the pipe which links the air intake to the barometer. This occurs in high wave conditions. Unfortunately the problem remains after that event. It was less frequent on previous buoys which was bigger (16" instead of 14" in diameter). The buoys were perhaps less submerged.

Most of the buoys which will be deployed after December will have the previous size back. We expect both problems will be then solved. They will have more batteries too. Meanwhile, the number of operating drifting buoys which has never been this low since early 2007, should continue to decrease in the coming three months.

Due to a technical problem, the GTS data transmission of Iridium buoys, ensured by Meteo-France, suffered from a 24-hour interruption from November 24th at 14:00 to the day after at 13:00.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400603	10828630	MSB	EU	20111103	49.3	-38.0	OOCL Norfolk	Southampton
4400606	10327610	MSB	EU	20111103	48.6	-42.0	OOCL Norfolk	Southampton
4400607	10826620	MSB	EU	20111103	47.8	-46.0	OOCL Norfolk	Southampton
4400608	10820170	MSB	EU	20111104	47.0	-50.0	OOCL Norfolk	Southampton
6200553	10827630	MSB	EU	20111102	49.9	-34.0	OOCL Norfolk	Southampton
6200694	10826610	MSB	EU	20111102	50.3	-30.0	OOCL Norfolk	Southampton
6400518	13112270	MSB	EU	20111126	62.0	-12.0	Selfoss	Rotterdam

Supplementary drifting buoys (e.g. in Arctic) by the end of the month

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	ss	O	Start_end	Lat	Lon	Age
2500615	13409520	MIB	EU	696	-	-	X	X	S	-	-	X	-	-	-	T	0111-3011	85.15	168.50	71
2500616	10824160	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	85.39	140.23	81
2600553	10826150	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	85.50	27.14	108

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2600554	10828610	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	88.68	-20.32	100
4800602	10826110	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	85.37	-104.47	91
4800611	10826630	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	84.46	-146.91	85

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
4100557	83404	TSB	UP	704	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	37.06	-58.07	1044
4100561	39073	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	26.85	-54.05	297
4100573	37414	TSB	UP	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	26.83	-44.26	286
4100719	83392	TSB	UP	725	-	-	X	X	X	-	-	-	-	-	-	L	0111-3011	35.83	-45.84	1045
4100912	39092	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	36.40	-60.74	349
4100915	39095	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	30.06	-67.98	349
4100935	39108	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	27.50	-32.63	286
4400546	12296030	MSB	EU	667	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	52.71	-37.65	81
4400547	10133070	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	42.34	-28.99	42
4400548	10820160	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	57.98	-34.97	32
4400550	10139120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	38.41	-35.02	42
4400601	12050610	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	57.17	-7.49	407
4400602	10825110	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	57.98	-38.74	32
4400603	10828630	MSB	EU	634	-	-	X	X	X	-	-	X	-	-	-	T	0311-3011	47.92	-35.38	28
4400604	10136120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	43.32	-38.29	42
4400605	10137040	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	45.26	-41.59	41
4400606	10327610	MSB	EU	634	-	-	X	X	X	-	-	X	-	-	-	T	0311-3011	49.78	-35.42	28
4400607	10826620	MSB	EU	610	-	-	X	X	X	-	-	X	-	-	-	T	0411-3011	46.82	-44.20	28
4400608	10820170	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0711-3011	46.30	-49.08	27
4400613	10823620	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	46.17	-37.17	146
4400621	13010860	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	49.08	-46.29	102
4400623	13803440	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	58.42	-36.33	101
4400624	13016860	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	52.57	-41.04	102
4400668	12760910	MSB	CA	700	-	-	X	X	X	-	-	-	-	-	-	O	0111-3011	35.83	-43.62	105
4400673	10134070	MSB	CA	693	-	-	X	X	X	-	-	-	-	-	-	O	0111-3011	50.05	-35.35	191
4400674	10137060	MSB	CA	687	-	-	X	X	X	-	-	-	-	-	-	O	0111-3011	38.59	-45.25	192
4400762	12487120	MSB	EU	688	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	50.26	-29.52	231
4400764	10822150	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	53.40	-47.76	31
4400765	10820150	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	54.88	-43.35	32
4400766	10820640	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	47.93	-16.08	182
4400769	10824640	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	43.26	-42.50	181
4400771	13018860	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	38.68	-36.13	180
4400773	10053230	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	41.94	-25.60	173
4400774	10053260	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	46.31	-24.42	173
4400775	10057200	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	47.75	-45.57	173
4400776	10058210	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	41.07	-36.29	174
4400778	13616180	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	42.46	-34.17	165
4400780	13802460	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	40.02	-28.80	166
4400844	37533	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	37.72	-29.84	216
4400880	83428	TSB	UP	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	26.05	-43.13	699
4400903	70822	TSB	UP	711	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	37.90	-44.35	1625
4400917	89817	TSB	UP	721	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	44.36	-9.99	632
6200532	10829630	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	47.75	-7.90	184
6200533	10822610	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	53.10	-13.89	184
6200536	13115270	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	39.77	-28.36	182
6200537	13618160	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	39.67	-28.52	181
6200539	10052230	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	38.83	-24.13	174
6200551	13016850	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	38.81	-22.74	168
6200553	10827630	MSB	EU	634	-	-	X	X	X	-	-	X	-	-	-	T	0311-3011	49.70	-29.83	29
6200599	10824620	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	61.71	-14.03	148
6200600	10829610	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	56.90	-20.14	148
6200694	10826610	MSB	EU	658	-	-	X	X	X	-	-	X	-	-	-	T	0211-3011	50.07	-27.63	29
6200695	10132120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	44.61	-33.61	43
6200711	10828160	MSB	EU	672	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	52.63	-30.09	148
6200712	10137120	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	47.53	-30.76	43
6200713	10324630	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	58.66	-28.53	33
6200714	10827620	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	56.88	-33.10	33
6200905	70820	TSB	UP	713	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	35.46	-56.66	1627
6300635	10427190	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	72.39	27.15	114
6300636	10820110	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	75.96	13.13	113
6300637	10820630	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	78.16	2.52	114
6300640	10825620	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	75.59	12.35	114
6400516	13110200	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.25	-9.76	159
6400517	13809450	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	67.48	1.25	154
6400518	13112270	MSB	EU	59	-	-	X	X	X	-	-	X	-	-	-	T	2811-3011	61.89	-12.06	5
6400607	12548820	MSB	EU	693	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	56.33	-50.63	567

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6400611	12341680	MSB	EU	693	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.31	-35.88	410
6400612	12582420	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.36	-29.16	100
6400613	13110270	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	64.38	-26.23	99
6400614	13200710	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	57.37	-32.73	82
6400615	13204760	MSB	EU	693	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	43.49	-37.03	82
6400616	13017590	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	61.86	-2.56	75
6400617	13111270	MSB	EU	696	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.80	-12.31	69

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
1300974	10829620	MSB	EU	20111106	37.0	-31.9	224	Battery (quickly drained)
4100558	83394	TSB	UP	20111107	29.0	-54.1	1021	Faded
4100729	10829110	MSB	EU	20111127	27.9	-39.3	237	Battery (quickly drained)
4100957	38569	TSB	UP	20111115	29.8	-23.9	332	AP failed
4400722	12548840	MSB	EU	20111107	59.7	-14.5	386	Faded
4400761	12295030	MSB	EU	20111127	52.9	-30.2	229	Battery (quickly drained)
4400770	13013830	MSB	EU	20111115	40.1	-24.5	166	AP failed
4400772	13801140	MSB	EU	20111103	43.0	-32.5	153	AP failed
4400777	13118260	MSB	EU	20111107	44.8	-23.0	143	AP failed
4400779	13801450	MSB	EU	20111118	41.7	-29.6	155	Battery (quickly drained)
4400882	83396	TSB	UP	20111124	29.9	-64.6	988	Faded
4400885	39086	TSB	UP	20111104	46.6	-28.6	190	AP failed
4400905	70818	TSB	UP	20111107	36.3	-48.6	1599	AP failed
4400943	89807	TSB	UP	20111108	35.8	-42.8	677	Faded
6200531	10823160	MSB	EU	20111122	48.4	-8.8	176	Battery (quickly drained)
6200534	10823110	MSB	EU	20111120	43.2	-16.2	173	Battery (quickly drained)
6200535	12298030	MSB	EU	20111124	35.0	-23.8	176	Battery (quickly drained)
6200552	13804460	MSB	EU	20111107	39.8	-25.7	144	AP failed
6200722	37773	TSB	UP	20111115	38.9	-22.3	385	AP failed
6200724	39074	TSB	UP	20111115	34.8	-22.9	199	AP failed
6300638	10821150	MSB	EU	20111102	78.5	-2.5	85	Failed for unknown reason
6300639	10821630	MSB	EU	20111114	75.7	12.4	100	Failed for unknown reason

Non-operating drifting buoys reporting GTS data

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
2500619	57010	MIB	EU	718	-	X	-	-	S	-	-	-	-	-	-	T	0111-3011	84.93	133.22	69
4100957	38569	TSB	UP	723	-	-	S	S	X	-	-	X	-	-	-	L	0111-3011	29.78	-23.90	347
4400669	12658810	MSB	CA	708	-	-	-	-	X	-	-	X	-	-	-	O	0111-3011	41.60	-35.34	105
4400763	13308200	MSB	EU	696	-	-	-	-	X	-	-	X	-	-	-	T	0111-3011	43.36	-24.51	230
4400770	13013830	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0111-3011	40.15	-24.52	181
4400772	13801140	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0111-3011	43.02	-32.51	180
4400777	13118260	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0111-3011	44.80	-23.02	166
4400835	89827	TSB	UP	720	-	-	-	-	X	-	-	X	-	-	-	L	0111-3011	62.56	-30.62	443
4400884	37413	TSB	UP	1765	-	-	-	-	X	-	-	X	-	-	-	L	0111-3011	56.69	-39.77	428
4400885	39086	TSB	UP	720	-	-	S	S	X	-	-	X	-	-	-	L	0111-3011	46.58	-28.57	216
4400905	70818	TSB	UP	712	-	-	S	S	S	-	-	X	-	-	-	L	0111-3011	36.30	-48.56	1622
4400913	83423	TSB	UP	720	-	-	-	-	X	-	-	X	-	-	-	L	0111-3011	65.15	-3.90	444
6200538	10055100	MSB	EU	696	-	-	-	-	X	-	-	X	-	-	-	T	0111-3011	43.27	-12.96	175
6200722	37773	TSB	UP	720	-	-	S	S	X	-	-	X	-	-	-	L	0111-3011	38.94	-22.30	400
6200724	39074	TSB	UP	719	-	-	S	S	X	-	-	X	-	-	-	L	0111-3011	34.81	-22.91	214
6200926	83427	TSB	UP	720	-	-	-	-	X	-	-	X	-	-	-	L	0111-3011	64.30	-5.19	696

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
1300517	39675	AOML		713	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	32.32	-19.04
1300520	39676	AOML		719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	31.70	-29.06
1300567	71024	AOML		720	-	-	X	X	X	-	-	-	-	-	-	L	0111-3011	29.65	-58.48
1300568	71025	AOML		720	-	-	X	X	X	-	-	-	-	-	-	L	0111-3011	26.06	-57.11
1300569	71026	AOML		720	-	-	X	X	X	-	-	-	-	-	-	L	0111-3011	27.41	-47.14
1300570	40180	AOML		720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	36.83	-30.76
1300575				1316	-	-	X	-	X	-	-	X	-	-	X	T	0111-3011	4.85	-15.15

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1300585	82585	AOML	701	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	9.43	-15.92	
1300587	82549	AOML	695	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	17.31	-59.22	
1300600	43869	AOML	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	29.84	-19.13	
1300635	44115	AOML	609	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	25.62	-30.12	
1300912	39210	AOML	642	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	25.02	-32.83	
1300967	39674	AOML	718	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	23.90	-33.17	
1300970	32917	AOML	713	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	23.32	-38.77	
3100722			1237	-	-	X	-	X	-	-	X	-	-	-	T	0111-3011	4.41	-33.90	
4100555	92960	AOML	630	-	-	X	-	X	-	-	X	-	-	-	L	0111-3011	32.84	-20.70	
4100565	39216	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	33.65	-53.87	
4100569	39240	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	19.28	-55.16	
4100572	39640	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	24.47	-50.12	
4100575	39668	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	33.02	-52.20	
4100590	102553	AOML	721	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	44.90	-29.30	
4100593	39236	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	29.19	-62.87	
4100603	39234	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	29.73	-45.47	
4100607	39252	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	18.73	-46.46	
4100608	40294	AOML	721	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	42.48	-30.44	
4100613	102557	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	51.06	-17.30	
4100616	39258	AOML	717	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	13.97	-50.74	
4100622	39232	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	30.96	-67.87	
4100623	39658	AOML	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	30.79	-58.37	
4100632	13319350	AOML	695	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	23.27	-40.78	
4100670	39237	AOML	588	-	-	X	X	X	-	-	X	-	-	-	L	0611-3011	27.21	-44.28	
4100733			1358	-	-	X	-	X	-	-	X	-	-	-	X	T	0111-3011	25.24	-37.84
4100735			696	-	-	X	X	X	-	-	X	-	-	-	X	T	0111-3011	12.91	-47.65
4100913	98974	AOML	676	-	-	X	X	X	-	-	X	-	-	-	L	0211-3011	39.20	-63.76	
4100924	39190	AOML	468	-	-	X	X	X	-	-	X	-	-	-	L	1111-3011	39.48	-62.84	
4100930	39891	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	38.12	-61.17	
4100938	71027	AOML	721	-	-	X	X	X	-	-	-	-	-	-	L	0111-3011	34.03	-34.35	
4100942	40079	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	30.40	-53.06	
4100954	93004	AOML	116	-	-	X	-	X	-	-	X	-	-	-	L	2511-3011	36.59	-69.99	
4100960	93006	AOML	319	-	-	X	-	X	-	-	X	-	-	-	L	1611-3011	37.77	-59.90	
4100970	39227	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	28.29	-49.00	
4100979	39642	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	27.15	-68.56	
4100980	39245	AOML	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	20.48	-47.92	
4100981	98991	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	34.59	-66.11	
4100995	39890	AOML	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	37.42	-59.06	
4400850	41469	AOML	719	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	35.47	-54.20	
4400878	41443	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	35.42	-42.40	
4400892	41895	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	33.30	-35.39	
4400904	99012	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	47.54	-19.52	
4400923	99015	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	54.42	-19.58	
4400926	88653	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	48.27	-17.75	
4400927	88663	AOML	692	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	49.04	-31.73	
4400931	88673	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	48.39	-14.23	
4400942	89832	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	69.25	0.84	
4700559	11257	EC	3038	-	-	X	-	-	-	-	-	-	-	-	L	0111-3011	69.62	-65.85	
6200504	12165220	CMM	696	-	-	X	X	X	-	-	X	-	-	-	X	T	0111-3011	37.20	-18.75
6200508	10823630	CMM	696	-	-	X	X	X	-	-	X	-	-	-	X	T	0111-3011	43.79	-10.39
6200728	44099	AOML	598	-	-	X	X	S	-	-	X	-	-	-	L	0111-3011	37.64	-24.64	
6200730	41463	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	38.07	-29.91	
6200903	41421	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	35.52	-34.56	
6200932	41470	AOML	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	37.68	-26.14	
6200935	92979	AOML	619	-	-	X	-	X	-	-	X	-	-	-	L	0111-3011	35.52	-28.14	
6200938	44093	AOML	606	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	38.73	-25.24	
6600862			816	-	-	X	X	X	-	-	-	-	-	-	T	0611-3011	59.57	25.23	

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

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

MOORED BUOYS

Operating EGOS moored buoys (K-pattern)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100001	Cote d'Azur	718	X	X	X	X	X	X	X	-	-	X	-	T	0111-3011	43.40	7.80
6100002	Lion	707	X	-	-	-	-	T	0111-3011	42.10	4.70						
6200001	Gascogne	720	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	45.30	-5.00
6200029	K1	719	X	X	X	X	X	X	X	-	-	X	-	O	0111-3011	48.70	-12.50
6200081	K2	721	-	X	X	X	X	X	X	-	-	X	-	O	0111-3011	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	716	X	X	X	-	X	X	-	-	-	X	-	O	0111-3011	53.50	-5.40
6200092	M3	718	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	51.20	-10.50
6200093	M4	716	X	X	X	-	X	X	-	-	-	X	X	O	0111-3011	54.70	-9.10
6200094	M5	719	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	51.70	-6.70
6200095	M6	717	X	-	-	X	-	O	0111-3011	53.10	-15.90						
6200105	K4	721	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	720	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	47.50	-8.40
6400045	K5	721	X	-	-	X	-	O	0111-3011	59.10	-11.70						
6400046	K7	716	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	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	716	X	X	X	-	X	X	-	-	-	X	O	0111-3011	28.18	-15.82	
1300131	Tenerife Sur	717	X	X	X	-	X	X	-	-	-	X	O	0111-3011	28.00	-16.58	
6100196	C. Begur	-	-	-	-	-	-	-	-	-	-	-	-	-	41.92	3.65	
6100197	Mahon	-	-	-	-	-	-	-	-	-	-	-	-	-	39.72	4.42	
6100198	C. de Gata	538	S	S	S	-	S	S	-	-	-	S	-	0111-2511	36.57	-2.33	
6100280	Tarragona	231	X	X	X	-	X	X	-	-	-	X	O	2111-3011	40.77	1.47	
6100281	Valencia	701	X	X	X	-	X	X	-	-	-	X	O	0111-3011	39.47	-0.27	
6100417	C. de Palos	717	X	X	X	-	X	X	-	-	-	X	O	0111-3011	37.65	-0.32	
6100430	Dragonera	715	X	X	X	-	X	X	-	-	-	O	-	0111-3011	39.56	2.11	

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6200024	Bilbao-Visc.	702	X	X	X	-	X	X	-	-	-	X	O	0111-3011	43.63	-3.03
6200025	C. de Penas	680	X	X	X	-	X	X	-	-	-	X	O	0111-3011	43.73	-6.17
6200082	E. de Barres	691	X	X	X	-	X	X	-	-	-	X	O	0111-3011	44.13	-7.69
6200083	Villano-Sis.	704	X	X	X	-	X	X	-	-	-	X	O	0111-3011	43.48	-9.22
6200084	C. Silleiro	618	X	X	X	-	S	X	-	-	-	S	O	0111-3011	42.12	-9.43
6200085	G. de Cadiz	705	X	X	X	-	X	X	-	-	-	X	O	0111-3011	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		1434	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	37.44	15.15
6100208		1142	-	-	-	-	X	X	-	-	-	-	-	O	0311-3011	37.52	12.53
6100209		1352	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	38.26	13.33
6100210		1437	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	39.02	17.22
6100211		1438	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	39.45	15.92
6100212			-	-	-	-	-	-	-	-	-	-	-		40.62	9.89	
6100213		1207	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	40.55	8.11
6100214		1417	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	40.87	12.95
6100215		1437	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	40.98	17.38
6100216		1386	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	42.24	11.55
6100218		1378	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	43.83	13.72
6100219		1360	-	-	-	-	X	X	-	-	-	-	-	O	0211-3011	43.93	9.83
6100220		1426	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	45.33	12.52
6100221		1436	-	-	-	-	X	X	-	-	-	-	-	O	0111-3011	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		83	S	S	S	-	S	S	-	-	-	-	-	O	0111-1111	39.10	24.50
6101001		237	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	37.60	23.60
6101002		-	-	-	-	-	-	-	-	-	-	-	-		37.00	22.10	
6101003		237	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	40.00	24.70
6101004		237	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	39.10	25.80
6101005		235	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	37.50	25.50
6101006		236	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	36.30	25.50
6101007		24	S	S	S	-	S	S	-	-	-	-	-	O	0111-0311	35.80	24.90
6101008		-	-	-	-	-	-	-	-	-	-	-	-		36.80	21.60	
6101009		178	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	38.00	20.60

Other European moored buoys

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100010	Italia-1	-	-	-	-	-	-	-	-	-	-	-	-			43.80	9.10
6200052	Ushant	-	-	-	-	-	-	-	-	-	-	-	-			48.50	-5.80
6200442	PAP	716	X	-	X	X	X	-	-	-	-	-	-	O	0111-3011	49.00	-16.40
6600021	Arkona Becken	-	-	-	-	-	-	-	-	-	-	-	-			54.90	13.90
6600022	Oder Bank	675	X	X	-	-	X	-	-	-	-	-	-	O	0111-3011	54.10	14.20
6600024	Darsser Schwell	391	S	S	-	-	S	S	-	-	-	-	-	O	0111-1711	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		306	X	X	-	-	X	-	-	-	-	X	-	L	0111-3011	11.49	-38.40
4100040	West Atlantic	707	X	X	X	X	X	-	-	-	-	X	-	O	0111-3011	14.50	-53.00
4100041	Mid. Atlantic	708	X	X	X	X	X	-	-	-	-	X	-	O	0111-3011	14.50	-46.00
4100043	Porto Rico	720	X	X	X	X	X	-	-	-	-	X	-	O	0111-3011	21.00	-65.00

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4100044	718	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	21.70	-58.70
4100046	717	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	23.90	-70.90
4100047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.50	-71.50
4100048	720	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	32.00	-69.60
4100049	720	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	27.50	-53.00
4100100 E Guadeloupe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.90	-57.90
4100101 E Martinique	681	X	X	X	X	X	X	-	-	-	X	-	T	0111-3011	14.60	-56.20
4100139	434	X	X	X	-	X	-	-	-	-	X	-	L	0111-3011	20.02	-37.86
4200059 Caraibes	713	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	15.00	-67.50
4400008 A Nantucket	467	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	40.50	-69.40
4400011 D Georges Bk	720	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	41.10	-66.60
4400018 SE Cape Cod	720	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	41.30	-69.30
4400024 NNE Channel	703	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	42.30	-65.90
4400137 E Scotia Sl.	633	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	42.30	-62.00
4400138 SW Gd Banks	712	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	44.30	-53.60
4400139 Beanguereau	675	X	X	X	X	X	X	-	-	-	-	-	O	0111-2911	44.30	-57.10
4400140 Tail of Bk	446	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	43.80	-51.70
4400141 Larentian F	467	S	S	S	S	S	S	-	-	-	-	-	-	0111-2011	43.00	-58.00
4400150 La Have Bk	621	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	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

Recv: 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, November 2011

Datend	WMO	Telcom	Recv	GE	Bias	Std
20111106	1300974	10829620	132	0	0.1	0.4
20111130	2500615	13409520	491	11	0.2	1.6
20111130	2500616	10824160	696	0	-0.2	0.8
20111130	2600553	10826150	696	0	-0.3	0.7
20111130	2600554	10828610	696	0	-0.2	0.5
20111130	4100557	83404	718	1	-0.2	0.8
20111107	4100558	83394	117	0	0.1	0.5
20111130	4100561	39073	718	0	0.2	0.5
20111130	4100573	37414	719	1	-0.1	0.3
20111130	4100719	83392	698	0	0.1	0.5
20111127	4100729	10829110	623	0	0.4	0.4
20111130	4100912	39092	720	0	0.0	0.8
20111130	4100915	39095	720	0	0.3	0.7
20111130	4100935	39108	720	0	0.2	0.7
20111115	4100957	38569	359	80	2.0	2.7 AP failed
20111130	4400546	12296030	667	0	0.2	0.6
20111130	4400547	10133070	696	0	0.1	0.6
20111130	4400548	10820160	696	0	-0.0	0.5
20111130	4400550	10139120	696	0	0.1	0.6
20111130	4400601	12050610	695	0	0.8	0.6
20111130	4400602	10825110	696	0	0.0	0.5
20111130	4400603	10828630	634	0	0.1	0.7
20111130	4400604	10136120	696	0	0.2	0.5
20111130	4400605	10137040	696	0	0.2	0.7
20111130	4400606	10327610	634	23	-0.8	2.3 QQ wrong vales
20111130	4400607	10826620	610	0	0.3	0.7
20111130	4400608	10820170	538	0	0.3	0.6
20111130	4400613	10823620	696	62	-0.3	1.3 QQ wrong vales
20111130	4400621	13010860	696	0	0.1	0.7
20111130	4400623	13803440	696	0	-0.1	0.6
20111130	4400624	13016860	696	1	0.5	1.5
20111130	4400668	12760910	700	52	-0.5	1.4 QQ wrong vales
20111130	4400673	10134070	693	0	0.0	0.8
20111130	4400674	10137060	687	22	-0.1	1.8 QQ wrong vales
20111107	4400722	12548840	155	0	0.1	1.9
20111127	4400761	12295030	599	0	0.0	0.7
20111130	4400762	12487120	688	10	0.3	1.0
20111130	4400764	10822150	696	0	-0.1	0.5
20111130	4400765	10820150	696	0	0.1	0.6
20111130	4400766	10820640	696	66	0.1	0.8 QQ wrong vales
20111130	4400769	10824640	696	0	0.0	0.6
20111115	4400770	13013830	350	77	-1.8	3.1 AP failed
20111130	4400771	13018860	696	59	-1.1	2.4 QQ wrong vales
20111103	4400772	13801140	62	8	-0.0	3.2 AP failed
20111130	4400773	10053230	696	0	-0.3	1.3
20111130	4400774	10053260	696	15	0.0	1.7
20111130	4400775	10057200	696	0	-0.0	0.6
20111130	4400776	10058210	696	0	-0.0	0.5
20111107	4400777	13118260	158	84	-0.9	2.0 AP failed
20111130	4400778	13616180	696	70	-0.7	2.6 QQ wrong vales
20111107	4400779	13801450	158	103	-0.5	1.9 Fully failed
20111130	4400780	13802460	696	19	-0.7	2.1 QQ wrong vales
20111130	4400844	37533	719	0	-0.0	0.5
20111130	4400878	83398	719	0	-0.0	0.4
20111130	4400880	83428	719	0	-0.0	0.3
20111124	4400882	83396	486	0	-0.2	0.6
20111104	4400885	39086	76	6	3.5	1.7 AP failed
20111130	4400903	70822	687	1	-0.1	0.5
20111115	4400905	70818	336	35	-1.2	2.7 AP failed
20111130	4400917	89817	721	0	0.1	0.6
20111108	4400943	89807	166	0	-0.3	0.5

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20111130	4800602	10826110	696	0	-0.0	0.5
20111130	4800611	10826630	696	0	-0.1	0.7
20111122	6200531	10823160	508	0	0.2	0.5
20111130	6200532	10829630	696	0	0.1	0.7
20111130	6200533	10822610	696	0	-0.3	0.8
20111120	6200534	10823110	465	8	-0.2	1.0
20111124	6200535	12298030	567	0	-0.1	0.6
20111130	6200536	13115270	696	0	-0.5	0.4
20111130	6200537	13618160	696	0	0.3	1.0
20111130	6200539	10052230	696	0	0.3	0.5
20111130	6200551	13016850	696	0	-0.2	0.9
20111107	6200552	13804460	158	25	-1.7	2.8 AP failed
20111130	6200553	10827630	634	0	0.1	0.7
20111130	6200599	10824620	696	5	-0.4	1.6
20111130	6200600	10829610	696	1	-0.3	1.0
20111130	6200694	10826610	658	0	0.1	0.9
20111130	6200695	10132120	696	0	0.1	0.6
20111130	6200711	10828160	672	0	0.4	0.7
20111130	6200712	10137120	696	0	-0.0	0.7
20111130	6200713	10324630	696	0	-0.2	0.7
20111130	6200714	10827620	696	0	-0.1	0.9
20111115	6200722	37773	357	19	2.3	2.4 AP failed
20111115	6200724	39074	356	13	1.3	2.1 AP failed
20111130	6200905	70820	696	1	0.4	0.4
20111130	6200932	89812	720	1	-0.2	0.5
20111130	6300635	10427190	696	42	-0.6	2.2 QQ wrong vales
20111130	6300636	10820110	696	0	-0.0	0.7
20111130	6300637	10820630	696	0	-0.0	0.8
20111102	6300638	10821150	39	2	-0.3	2.8
20111115	6300639	10821630	350	42	0.4	2.8 Fully failed
20111130	6300640	10825620	696	0	-0.1	0.6
20111130	6400516	13110200	696	0	-0.1	0.6
20111130	6400517	13809450	696	42	-0.8	1.7 QQ wrong vales
20111130	6400518	13112270	59	0	-0.1	0.8
20111130	6400607	12548820	693	0	0.1	0.5
20111130	6400611	12341680	693	0	0.0	0.7
20111130	6400612	12582420	696	0	0.4	0.7
20111130	6400613	13110270	696	0	-0.0	0.5
20111130	6400614	13200710	695	1	0.3	0.7
20111130	6400615	13204760	693	24	-0.1	1.3 QQ wrong vales
20111130	6400616	13017590	696	0	0.7	1.0
20111130	6400617	13111270	696	0	0.1	0.7

Air Pressure (hPa), moored buoys, November 2011

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20111130	1300130		716	0	0.7	0.6
20111130	1300131		717	0	0.1	0.7
20111130	6100001		717	0	-0.3	0.5
20111130	6100002		707	0	-0.1	0.6
20111125	6100198		538	0	-0.0	0.8
20111130	6100280		231	0	-0.0	0.7
20111130	6100281		701	0	-0.0	0.7
20111130	6100417		717	0	0.3	0.7
20111130	6100430		715	0	-0.8	0.7
20111111	6101000		83	0	0.1	0.6
20111130	6101001	237	237	7.1	8.1	
20111130	6101003		237	0	0.5	0.6
20111130	6101004		237	0	0.3	0.6
20111130	6101005	235	235	1.9	7.1	
20111130	6101006		236	0	0.8	0.6
20111103	6101007		24	0	0.4	0.7
20111130	6101009	178	178	1.9	10.4	
20111130	6200001		720	0	-0.2	0.5
20111130	6200024		702	0	0.4	0.7
20111130	6200025		680	0	0.6	0.7
20111130	6200029		719	0	-0.3	0.7
20111130	6200081		720	0	-0.2	0.7
20111130	6200082		691	0	0.5	0.6
20111130	6200083		704	0	0.2	0.8
20111130	6200084		618	0	0.1	0.7
20111130	6200085		705	0	0.3	0.7
20111130	6200091		716	0	-0.3	0.7

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20111130	6200092	715	1	0.1	0.6
20111130	6200093	716	2	-0.4	0.7
20111130	6200094	701	6	0.0	0.6
20111130	6200095	716	3	-0.2	0.8
20111130	6200105	719	0	-0.2	0.6
20111130	6200163	720	0	-0.1	0.5
20111130	6400045	719	1	-0.3	1.1
20111130	6400046	716	1	-0.2	0.9

Air Temperature (C), drifting buoys, November 2011

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20111130	2500619	57010	718	3	1.6	4.3

Air Temperature (C), moored buoys, November 2011

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20111130	1300130	716	0	-0.8	0.4	
20111130	1300131	717	0	0.4	0.6	
20111130	6100001	712	0	-1.2	0.6	
20111130	6100002	706	0	-0.2	0.5	
20111125	6100198	538	0	-0.6	1.2	
20111130	6100280	231	0	0.1	0.6	
20111130	6100281	701	0	-0.1	0.7	
20111130	6100417	717	0	-1.1	1.6	
20111130	6100430	715	0	-0.2	0.6	
20111111	6101000	83	0	-0.1	0.6	
20111130	6101001	237	0	-0.8	0.8	
20111130	6101003	237	0	1.4	0.7	
20111130	6101004	237	0	-0.6	0.6	
20111130	6101005	235	0	-1.4	0.5	
20111130	6101006	236	195	-14.4	0.4	
20111103	6101007	24	0	-1.1	0.4	
20111130	6101009	178	0	-0.7	0.5	
20111130	6200001	720	0	-0.0	0.6	
20111130	6200024	702	0	0.6	0.8	
20111130	6200025	554	0	-0.0	2.2	
20111130	6200029	719	0	-0.4	0.5	
20111130	6200081	720	0	-0.2	0.5	
20111130	6200082	691	0	-0.2	0.7	
20111130	6200083	704	0	0.1	0.7	
20111130	6200084	618	0	0.0	0.7	
20111130	6200085	705	0	0.1	1.0	
20111130	6200091	716	0	0.1	0.5	
20111130	6200092	717	0	-0.1	0.4	
20111130	6200093	715	0	-0.1	0.6	
20111130	6200094	692	1	-0.1	0.7	
20111130	6200095	706	0	-0.3	0.6	
20111130	6200105	720	0	-0.0	0.6	
20111130	6200163	720	0	-0.2	0.5	
20111130	6400045	720	0	-0.4	0.8	
20111130	6400046	716	0	-0.1	0.7	
20111130	6600022	675	1	0.4	0.9	
20111117	6600024	391	0	0.4	0.8	

Wind direction (deg.), moored buoys, November 2011

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20111130	1300130	713	20	18	29	
20111103	1300131	59	14	-78	62	
20111130	6100001	718	25	3	21	
20111130	6100002	706	97	-5	26	
20111125	6100198	528	9	-5	23	
20111130	6100280	226	4	4	22	
20111130	6100281	692	59	13	35	
20111130	6100417	696	16	-5	22	
20111130	6100430	702	25	-46	32	
20111111	6101000	83	4	116	39	

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20111130	6101001	235	2	5	23
20111130	6101003	237	1	-20	26
20111130	6101004	237	0	1	17
20111130	6101005	234	1	-10	12
20111130	6101006	233	0	-7	15
20111103	6101007	24	0	-16	8
20111130	6101009	178	8	-16	37
20111130	6200001	719	28	-4	24
20111130	6200024	700	31	-39	32
20111130	6200025	652	81	-10	36
20111130	6200029	719	4	-1	16
20111130	6200082	681	5	-5	22
20111130	6200083	700	2	3	23
20111130	6200084	603	27	-5	29
20111130	6200085	703	52	-5	25
20111130	6200091	716	5	-1	15
20111130	6200092	718	2	-4	13
20111130	6200093	716	5	5	13
20111130	6200094	712	4	-1	12
20111130	6200095	716	8	-2	16
20111130	6200105	718	0	-2	13
20111130	6200163	719	6	-2	15
20111130	6400045	719	4	-3	13
20111130	6400046	714	8	1	16
20111130	6600022	673	10	-8	19
20111117	6600024	391	3	-6	14

Wind speed rate, moored buoys, November 2011

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20111130	1300130		713	0	1.1	1.3
20111103	1300131		59	0	0.8	2.2
20111130	6100001		718	1	1.0	1.7
20111130	6100002		706	21	1.2	1.7
20111125	6100198		528	0	1.0	2.2
20111130	6100280		226	0	1.0	1.7
20111130	6100281		692	0	1.4	2.2
20111130	6100417		696	0	0.9	1.6
20111130	6100430		702	1	1.1	1.7
20111111	6101000		83	0	0.0	0.0
20111130	6101001		235	0	0.9	1.7
20111130	6101003		237	0	0.8	1.6
20111130	6101004		237	0	1.0	1.6
20111130	6101005		234	0	1.0	1.6
20111130	6101006		233	0	0.8	1.9
20111103	6101007		24	0	0.9	1.0
20111130	6101009		178	0	1.6	2.2
20111130	6200001		719	0	1.2	1.9
20111130	6200024		700	0	1.2	1.9
20111130	6200025		652	2	0.8	2.6
20111130	6200029		719	0	1.0	1.5
20111130	6200082		681	0	0.9	1.7
20111130	6200083		700	0	0.9	1.9
20111130	6200084		603	0	0.9	2.1
20111130	6200085		703	33	1.0	2.4
20111130	6200091		716	1	1.0	1.6
20111130	6200092		717	0	1.0	1.5
20111130	6200093		715	3	0.9	1.6
20111130	6200094		710	4	0.9	1.4
20111130	6200095		715	0	0.9	1.6
20111130	6200105		718	0	0.9	1.4
20111130	6200163		719	0	1.0	1.4
20111130	6400045		719	1	1.0	1.8
20111130	6400046		714	2	1.0	1.8
20111130	6600022		673	0	1.3	1.4
20111117	6600024		391	0	1.1	1.0

Comments on QC statistics :

Air pressure

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1. We have never met so many failure in pressure measurement that during the month of November. Metocean Iridium buoys WMO **4400770**, **4400772**, **4400777** and **6200552** reported wrong pressure values onto the GTS before the transmission was stopped for this parameter. This also happened on Technocean Argos buoys WMO **4100957**, **4400885**, **4400905**, **6200722** and **6200724**. The problem is explained in the first part of the present report.
2. Other buoys reported wrong pressure values at the end of their life. It was the case for Metocean Iridium buoys WMO **4400779** and **6300639**.
3. Endly, some buoys reported wrong pressure values temporarily. It was the case for Metocean Iridium WMO **4400606**, **4400613**, **4400668**, **4400674**, **4400768**, **4400771**, **4400778**, **4400780**, **6300635**, **6400517** and **6400615** reported a few wrong pressure values in November for an unknown reason.
4. Despite these problems, the standard deviation of differences between observations and model outputs was limited to 1.05 hPa in November thanks to a close monitoring.
5. Since the 9th of september, Poseidon moored buoys WMO **6101001**, **6101005** and **6101009** have been reporting 0 hPa onto the GTS (in BUFR) although they should report %missing value+. The bug was corrected on December 5th.

Air temperature

6. 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 November (standard deviation = 4.3 °C).
7. Since the 9th of September, Poseidon moored buoy WMO **6101006** has been reporting 0°C instead of %missing value+. The bug was corrected on December 5th.
8. Spanish moored buoy WMO **6200025** has been reporting wrong air temperature values since the 19th of October.

Wind

9. The GTS transmission was stopped on November 3rd for wind observations reported by Spanish moored buoy WMO **1300131** which were dubious.
10. Spanish moored buoy WMO **6100430** reported dubious wind direction values in November. Some doubts also exist for Spanish moored buoy WMO **6200025**.
11. Poseidon buoy WMO **6101000** has been reporting abnormal calm winds since the 12th of October. The bug was corrected on December 5th.

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.