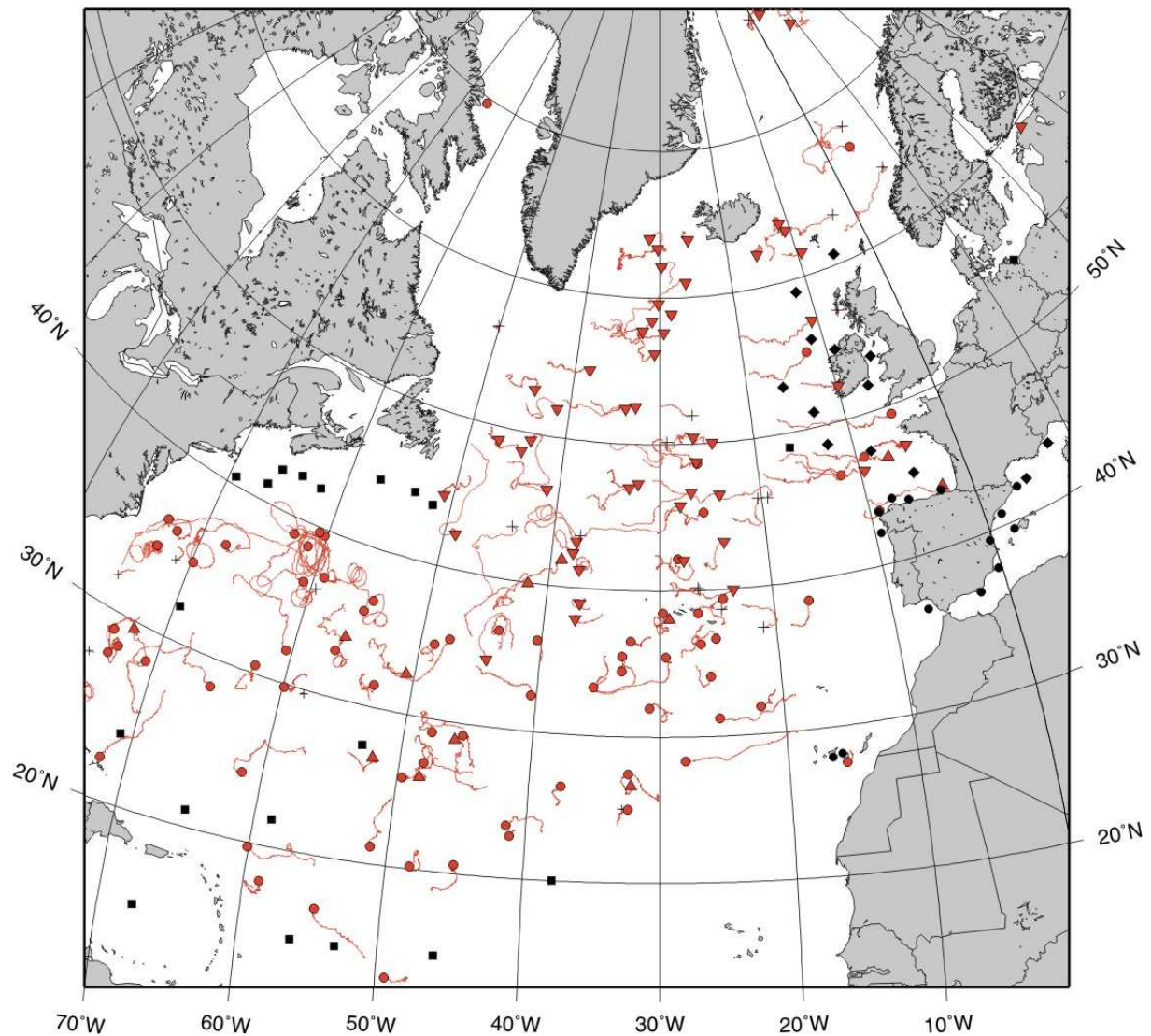
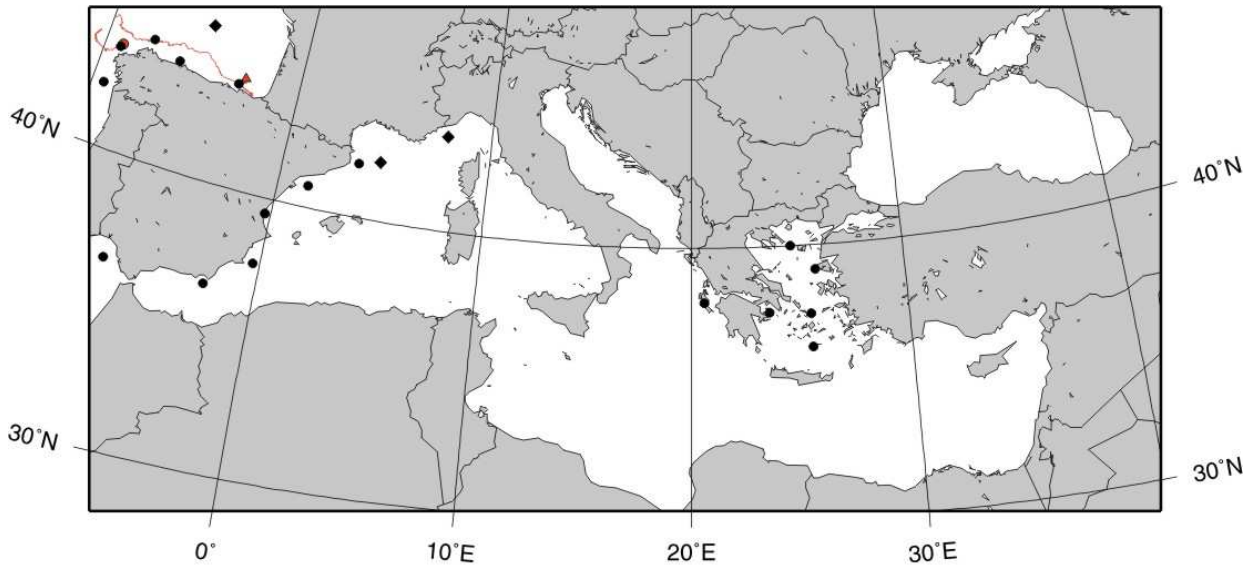


DATA BUOY MONTHLY REPORT

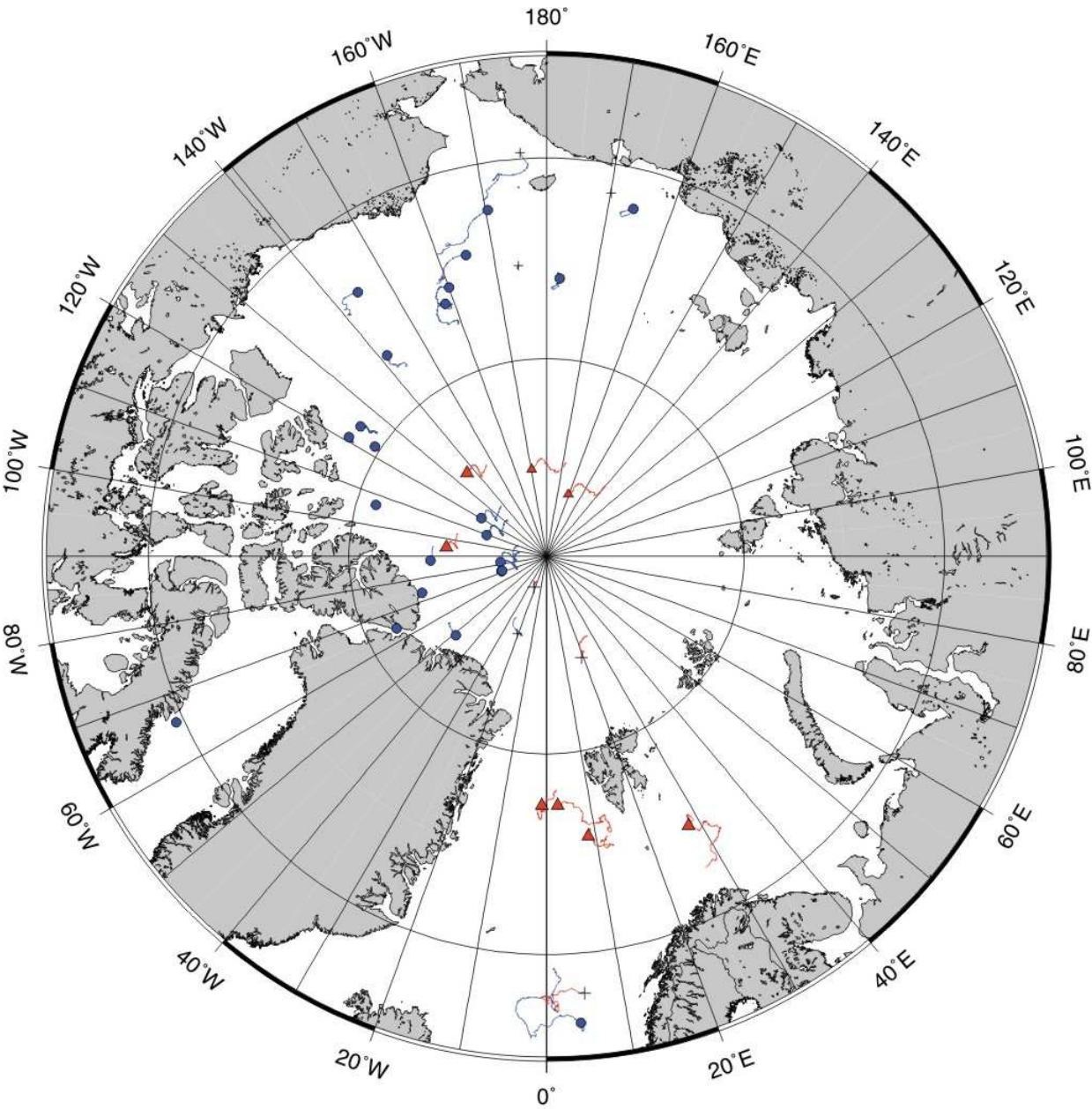
December 2011



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



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



December 2011 - Drifting buoy trajectories in Arctic Ocean and adjacent seas

DRIFTING BUOYS

Network status

By the end of December, only **62 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, 48 were E-SURFMAR funded Iridium SVP-Bs.

The remaining buoys were 13 Argos drifters owned by NOAA and upgraded with barometers by E-SURFMAR and one Iridium SVP-B drifter operated by Environment Canada.

In addition, one ICEB buoy and three SVP-B drifters out of the six deployed by RV Polarstern in summer were in operation in the Arctic.

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

As in November, the number of buoys which failed in December was very high (see explanations in the previous monthly report). The first six buoys having a size of 16" in diameter - instead of 14" - were deployed during the month by Reykjavoss. One failed at deployment.

Nine buoys which did not report air pressure onto the GTS after the measurement failed were rehabilitated at the beginning of January. Concerned buoys are WMO 2600554 (Arctic), 4100957, 4400770, 4400780, 6200551, 6200552, 6200722, 6200724 and 6400616. Their data seem fine back.

Due to a technical problem, the GTS data transmission of Iridium buoys - ensured by Meteo-France -, suffered from some delays on December 28th. The problem has not been really identified. It could be due to some delays in the delivery of raw data by Iridium.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400744	13805450	MSB	EU	20111208	48.6	-50.0	Halifax	Reykjavoss
4400745	13010870	MSB	EU	20111208	49.9	-48.0	Halifax	Reykjavoss
4400746	13357510	MSB	EU	20111209	51.9	-45.0	Halifax	Reykjavoss
6400519	13013860	MSB	EU	20111201	62.8	-15.0	Rotterdam	Selfoss
6400520	12486100	MSB	EU	20111211	60.0	-30.8	Halifax	Reykjavoss
6400521	12874080	MSB	EU	20111211	61.0	-30.0	Halifax	Reykjavoss
	13015860	MSB	EU	20111210	56.5	-38.5	Halifax	Reykjavoss - Failed at deployment

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	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	85.52	-170.36	
2500616	10824160	MSB	EU	743	-	-	X	X	S	-	-	X	-	-	-	T	0112-3112	86.67	160.88	
4800602	10826110	MSB	EU	743	-	-	X	X	S	-	-	X	-	-	-	T	0112-3112	84.90	-95.14	
4800611	10826630	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	84.16	-136.27	

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	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.90	-55.19	1075

E-SURFMAR DB Monthly Report December 2011

4100561	39073	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	26.80	-52.08	328
4100573	37414	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	26.07	-48.35	317
4100591	39101	TSB	UP	457	-	-	X	X	X	-	-	X	-	-	-	L	1212-3112	36.20	-40.38	317
4100717	83402	TSB	UP	627	-	-	X	X	X	-	-	X	-	-	-	L	0512-3112	34.88	-48.84	1077
4100719	83392	TSB	UP	755	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	41.81	-39.03	1076
4100915	39095	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	29.60	-72.30	380
4100935	39108	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	26.64	-32.23	317
4400546	12296030	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	52.41	-33.81	112
4400547	10133070	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	42.06	-27.81	73
4400548	10820160	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	57.65	-29.51	63
4400550	10139120	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	37.87	-37.35	73
4400602	10825110	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	58.40	-31.04	63
4400603	10828630	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	47.00	-33.06	59
4400604	10136120	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	42.32	-38.03	73
4400605	10137040	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.13	-37.83	72
4400607	10826620	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	49.51	-43.65	59
4400608	10820170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	44.63	-50.90	58
4400613	10823620	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	47.31	-32.21	177
4400621	13010860	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	48.69	-44.37	133
4400623	13803440	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	59.59	-30.23	132
4400624	13016860	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	52.55	-32.70	133
4400668	12760910	MSB	CA	728	-	-	X	X	X	-	-	X	-	-	-	O	0112-3112	34.46	-44.41	136
4400744	13805450	MSB	EU	536	-	-	X	X	X	-	-	X	-	-	-	T	0912-3112	42.30	-49.02	24
4400745	13010870	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0912-3112	49.10	-46.91	24
4400746	13357510	MSB	EU	537	-	-	X	X	X	-	-	X	-	-	-	T	0912-3112	51.89	-41.41	23
4400762	12487120	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	50.02	-24.49	262
4400764	10822150	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	52.93	-44.22	62
4400765	10820150	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	54.80	-38.31	63
4400766	10820640	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	46.37	-9.54	213
4400771	13018860	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	38.97	-37.08	211
4400773	10053230	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.23	-24.02	204
4400775	10057200	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	46.40	-41.21	204
4400776	10058210	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	41.20	-37.34	205
4400844	37533	TSB	UP	743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	38.05	-29.17	247
4400880	83428	TSB	UP	741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	28.88	-46.02	730
4400903	70822	TSB	UP	729	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	39.96	-41.77	1656
4400917	89817	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	43.87	-2.75	663
6200532	10829630	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	47.19	-4.89	215
6200536	13115270	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	39.93	-23.47	213
6200553	10827630	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	48.75	-26.27	60
6200599	10824620	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	63.30	-10.75	179
6200694	10826610	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	50.47	-26.43	60
6200695	10132120	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	46.70	-26.88	74
6200712	10137120	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	46.48	-24.09	74
6200713	10324630	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	58.88	-28.49	64
6200714	10827620	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.18	-30.67	64
6200905	70820	TSB	UP	731	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	33.94	-56.15	1658
6300635	10427190	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	74.64	27.84	145
6300636	10820110	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	77.39	2.54	144
6300637	10820630	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	77.40	-1.09	145
6300640	10825620	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	75.70	8.51	145
6400518	13112270	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	61.59	-9.43	36
6400519	13013860	MSB	EU	708	-	-	X	X	X	-	-	X	-	-	-	T	0212-3112	62.22	-15.71	31
6400520	12486100	MSB	EU	465	-	-	X	X	X	-	-	X	-	-	-	T	1212-3112	61.01	-26.39	21
6400521	12874080	MSB	EU	465	-	-	X	X	X	-	-	X	-	-	-	T	1212-3112	62.15	-29.77	21
6400611	12341680	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	63.34	-30.32	441
6400612	12582420	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	64.03	-31.65	131
6400613	13110270	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	63.90	-25.70	130
6400614	13200710	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	57.72	-32.24	113
6400615	13204760	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	45.82	-28.00	113
6400617	13111270	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	63.88	-11.42	100

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2600553	10826150	MSB	EU	20111209	84.6	19.1	117	Unknown
2600554	10828610	MSB	EU	20111203	88.3	-22.9	103	Caught by Ice - Rehabilitated on Jan. 4th
4100912	39092	TSB	UP	20111220	36.2	-59.6	369	AP failed
4400601	12050610	MSB	EU	20111223	57.1	-7.3	430	Ashore in Hebrides Is.
4400606	10327610	MSB	EU	20111201	52.1	-25.3	29	AP failed
4400673	10134070	MSB	CA	20111224	50.1	-29.3	215	Battery (quickly drained)
4400674	10137060	MSB	CA	20111226	43.6	-43.9	218	Battery (quickly drained)
4400769	10824640	MSB	EU	20111215	43.5	-37.5	196	Battery (quickly drained)

E-SURFMAR DB Monthly Report December 2011

4400774	10053260	MSB	EU	20111228	45.9	-19.4	201	Battery (quickly drained)		
4400777	13118260	MSB	EU	20111220	46.0	-20.4	187	AP failed		
4400778	13616180	MSB	EU	20111201	44.4	-29.9	166	AP failed		
4400780	13802460	MSB	EU	20111205	40.0	-26.5	171	AP failed - Rehabilitated on Jan. 4th		
6200533	10822610	MSB	EU	20111229	52.3	-9.9	213	Ashore in Ireland		
6200537	13618160	MSB	EU	20111222	40.2	-26.6	203	Battery (quickly drained)		
6200539	10052230	MSB	EU	20111206	38.6	-24.6	180	Battery (quickly drained)		
6200551	13016850	MSB	EU	20111205	37.2	-21.1	173	AP failed - Rehabilitated on Jan. 4th		
6200600	10829610	MSB	EU	20111228	57.0	-10.7	176	Battery (quickly drained)		
6200711	10828160	MSB	EU	20111211	51.9	-26.4	159	Unknown		
6400516	13110200	MSB	EU	20111225	63.1	-3.2	184	Battery (quickly drained)		
6400517	13809450	MSB	EU	20111230	68.0	5.0	184	Battery (quickly drained)		
6400607	12548820	MSB	EU	20111201	56.4	-50.1	568	Battery		
6400616	13017590	MSB	EU	20111212	64.2	7.0	87	AP failed - Rehabilitated on Jan. 4th		

----- 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	744	X	-	-	-	-	-	-	-	-	-	-	T	0112-3112	86.40	153.90	100
4100957	38569	TSB	UP	741	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	29.87	-27.98	378
4100912	39092	TSB	UP	739	-	-	S	S	X	-	-	X	-	-	-	L	0112-3112	36.25	-59.59	380
4400606	10327610	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	52.15	-25.34	59
4400669	12658810	MSB	CA	725	-	-	-	-	X	-	-	X	-	-	-	O	0112-3112	44.51	-30.87	136
4400763	13308200	MSB	EU	742	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	41.84	-21.13	261
4400770	13013830	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	39.71	-22.59	212
4400774	10053260	MSB	EU	664	-	-	S	S	X	-	-	X	-	-	-	T	0112-2812	45.92	-19.39	201
4400777	13118260	MSB	EU	743	-	-	S	S	X	-	-	X	-	-	-	T	0112-3112	45.96	-20.37	197
4400778	13616180	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	44.45	-29.93	196
4400780	13802460	MSB	EU	742	-	-	S	S	X	-	-	X	-	-	-	T	0112-3112	39.99	-26.46	197
4400835	89827	TSB	UP	743	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	63.14	-23.41	474
4400884	37413	TSB	UP	1809	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	56.49	-40.42	459
4400885	39086	TSB	UP	742	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	45.20	-24.94	247
4400905	70818	TSB	UP	727	-	-	-	-	-	-	-	X	-	-	-	L	0112-3112	34.17	-50.18	1653
4400913	83423	TSB	UP	743	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	64.49	0.92	475
6200551	13016850	MSB	EU	743	-	-	S	S	X	-	-	X	-	-	-	T	0112-3112	37.22	-21.10	199
6200538	10055100	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	42.16	-12.59	206
6200552	13804460	MSB	EU	742	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	41.46	-22.50	198
6200722	37773	TSB	UP	743	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	37.98	-19.88	431
6200724	39074	TSB	UP	744	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	34.74	-22.14	245
6200926	83427	TSB	UP	743	-	-	-	-	X	-	-	X	-	-	-	L	0112-3112	64.23	4.62	727
6400517	13809450	MSB	EU	696	-	-	S	S	X	-	-	X	-	-	-	T	0112-3012	68.00	5.01	184
6400616	13017590	MSB	EU	742	-	-	S	S	X	-	-	X	-	-	-	T	0112-3112	64.25	6.98	106

----- Non-operating drifting buoys which ceased to emit

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400772	13801140	MSB	EU	20111221	43.5	-30.4	201	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
1300517	39675	AOML		743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	31.21	-25.20
1300520	39676	AOML		741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	31.94	-30.85
1300568	71025	AOML		739	-	-	X	X	X	-	-	-	-	-	-	L	0112-3112	24.04	-61.58
1300569	71026	AOML		740	-	-	X	X	X	-	-	-	-	-	-	L	0112-3112	25.89	-49.66
1300570	40180	AOML		743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	36.52	-32.50
1300575				1402	-	-	X	-	X	-	-	X	-	-	X	T	0112-3112	4.01	-8.06
1300585	82585	AOML		714	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	9.95	-17.26
1300587	82549	AOML		728	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	17.82	-58.90
1300600	43869	AOML		742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	28.33	-27.99
1300621				208	-	-	X	X	X	-	-	X	-	-	-	L	2112-3112	27.54	-15.50
1300635	44115	AOML		633	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	27.43	-32.45
1300962				459	-	-	X	X	X	-	-	X	-	-	-	L	1212-3112	34.47	-33.17
1300965				460	-	-	X	X	X	-	-	X	-	-	-	L	1212-3112	34.10	-25.79

E-SURFMAR DB Monthly Report December 2011

1300967	39674	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	25.02	-32.43
1300970	32917	AOML	588	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	23.54	-41.48
3100722			1265	-	-	X	-	X	-	-	X	-	-	X	T	0112-3112	9.66	-34.59
4100555	92960	AOML	647	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	31.86	-21.87
4100565	39216	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	32.56	-50.67
4100569	39240	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	19.73	-60.09
4100572	39640	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	21.11	-51.28
4100575	39668	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.40	-47.64
4100590	102553	AOML	742	-	-	X	X	-	-	-	X	-	-	-	L	0112-3112	45.30	-25.74
4100593	39236	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	30.52	-62.53
4100595			626	-	-	X	X	X	-	-	X	-	-	-	L	0512-3112	32.45	-40.45
4100603	39234	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	29.14	-47.85
4100607	39252	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	20.58	-45.09
4100608	40294	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	42.18	-28.36
4100613	102557	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	49.44	-5.28
4100616	39258	AOML	738	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	16.70	-54.73
4100622	39232	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	28.36	-65.42
4100623	39658	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	29.79	-59.92
4100632	13319350	AOML	742	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	22.84	-41.19
4100670	39237	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	29.22	-45.45
4100697			627	-	-	X	X	X	-	-	X	-	-	-	L	0512-3112	32.95	-56.70
4100733			1429	-	-	X	-	X	-	-	X	-	-	X	T	0112-3112	26.43	-37.55
4100735			741	-	-	X	X	X	-	-	X	-	-	X	T	0112-3112	12.79	-49.35
4100913	98974	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	39.63	-60.25
4100924	39190	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	36.42	-60.78
4100930	39891	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	38.61	-61.35
4100938	71027	AOML	742	-	-	X	X	X	-	-	-	-	-	-	L	0112-3112	35.49	-33.16
4100939		AOML	535	-	-	X	X	X	-	-	X	-	-	-	L	0912-3112	36.52	-67.89
4100942	40079	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	31.43	-53.03
4100954	93004	AOML	197	-	-	X	-	X	-	-	X	-	-	-	L	2012-3112	34.67	-69.84
4100960	93006	AOML	667	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	38.98	-62.78
4100969			413	-	-	X	X	X	-	-	X	-	-	-	L	0912-3112	37.12	-59.16
4100970	39227	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	27.03	-48.17
4100980	39245	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	20.19	-48.27
4100981	98991	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	32.02	-60.51
4100995	39890	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	39.70	-60.75
4400850	41469	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	36.69	-54.65
4400878	41443	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	36.53	-43.71
4400892	41895	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.45	-29.48
4400904	99012	AOML	743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	46.48	-11.91
4400923	99015		743	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	55.04	-12.39
4400926	88653		744	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	47.26	-9.25
4400927	88663	AOML	682	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	48.65	-26.13
4400931	88673	AOML	746	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	46.81	-6.93
4400942	89832	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	66.59	4.23
4700559	11257	EC	2863	-	-	X	-	-	-	-	-	-	-	-	L	0112-3112	69.62	-65.85
6200504	12165220	CMM	743	-	-	X	X	X	-	-	X	-	-	X	T	0112-3112	38.64	-16.94
6200508	10823630	CMM	743	-	-	X	X	X	-	-	X	-	-	X	T	0112-3112	43.58	-9.11
6200728	44099	AOML	637	-	-	X	X	-	-	-	X	-	-	-	L	0112-3112	39.34	-24.42
6200730	41463	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	38.48	-29.75
6200903	41421	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	33.31	-35.41
6200932	41470	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	36.33	-26.51
6200935	92979	AOML	646	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	36.67	-25.22
6200938	44093	AOML	655	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	38.44	-26.68

Abbreviations

WMO : WMO id.
 Argos : Argos id.
 Typ : Buoy type
 - first character : Manufacturer (C = ConMar , M = Metocean, T = Technocean, Y = Marlin-Yug...)
 - second character : Main type (F = FGGE, S = SVP)
 - third character : Sub type (B = barometer buoy, W = Wind buoy, S = Salinity buoy)
 Ow : Buoy owner (country code or EU for EUCOS)
 Owner : Buoy owner for non EUCOS buoys
 Nobs : number of GTS reports received at Meteo-France
 Parameters (X = OK, S = stopped, - = not measured) :
 Wi : Wind
 AT : Air Temperature
 AP : Air Pressure
 dP : Air pressure tendency

E-SURFMAR DB Monthly Report December 2011

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	741	X	X	X	X	X	X	X	-	-	X	-	T	0112-3112	43.40	7.80
6100002	Lion	740	X	X	X	X	X	X	X	-	-	S	-	T	0112-3112	42.10	4.70
6200001	Gascogne	745	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	45.30	-5.00
6200029	K1	740	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	48.70	-12.50
6200081	K2	745	-	X	X	X	X	X	-	-	-	X	-	O	0112-3112	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	743	X	X	X	-	X	X	-	-	-	X	-	O	0112-3112	53.50	-5.40
6200092	M3	232	S	S	S	S	S	S	-	-	-	S	-	-	0112-1012	51.20	-10.50
6200093	M4	743	X	X	X	-	X	X	-	-	-	S	X	O	0112-3112	54.70	-9.10
6200094	M5	746	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	51.70	-6.70
6200095	M6	750	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	53.10	-15.90
6200105	K4	744	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	744	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	47.50	-8.40
6400045	K5	745	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	59.10	-11.70
6400046	K7	740	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	60.70	-5.20

Comments:

- EUCOS moored buoys are presented in bold characters.
- Lion moored buoy does not report wind direction.

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	736	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	28.18	-15.82
1300131	Tenerife Sur	737	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	28.00	-16.58
6100196	C. Begur	84	X	X	X	-	X	X	-	-	-	-	-	O	2812-3112	41.92	3.65
6100197	Mahon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.72	4.42
6100198	C. de Gata	373	X	X	X	-	X	X	-	-	-	-	X	O	1612-3112	36.57	-2.33
6100280	Tarragona	738	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	40.77	1.47
6100281	Valencia	738	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	39.47	-0.27
6100417	C. de Palos	738	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	37.65	-0.32
6100430	Dragonera	738	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	39.56	2.11
6200024	Bilbao-Visc.	462	S	S	S	-	S	S	-	-	-	-	S	O	0112-2012	43.63	-3.03
6200025	C. de Penas	738	X	X	X	-	X	X	-	-	-	-	S	O	0112-3112	43.73	-6.17
6200082	E. de Bares	739	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	44.13	-7.69
6200083	Villano-Sis.	738	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	43.48	-9.22
6200084	C. Silleiro	738	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	42.12	-9.43
6200085	G. de Cadiz	739	X	X	X	-	X	X	-	-	-	-	X	O	0112-3112	36.48	-6.97

E-SURFMAR DB Monthly Report December 2011

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		1295	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	37.44	15.15
6100208		1399	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	37.52	12.53
6100209		1469	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	38.26	13.33
6100210		1459	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	39.02	17.22
6100211		1467	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	39.45	15.92
6100212			-	-	-	-	-	-	-	-	-	-	-	-		40.62	9.89
6100213		953	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	40.55	8.11
6100214		1462	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	40.87	12.95
6100215		1467	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	40.98	17.38
6100216		1428	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	42.24	11.55
6100218		1455	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	43.83	13.72
6100219		1472	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	43.93	9.83
6100220		1462	-	-	-	-	X	X	-	-	-	-	-	O	0112-3112	45.33	12.52
6100221		1473	-	-	-	-	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		242	X	X	S	-	X	X	-	-	-	-	-	O	0112-3112	37.60	23.60
6101002			-	-	-	-	-	-	-	-	-	-	-	-		37.00	22.10
6101003		242	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	40.00	24.70
6101004		241	X	X	X	-	X	X	-	-	-	-	-	O	0112-3112	39.10	25.80
6101005		242	X	X	S	-	X	X	-	-	-	-	-	O	0112-3112	37.50	25.50
6101006		242	X	S	X	-	X	X	-	-	-	-	-	O	0112-3112	36.30	25.50
6101007			-	-	-	-	-	-	-	-	-	-	-	-		35.80	24.90
6101008			-	-	-	-	-	-	-	-	-	-	-	-		36.80	21.60
6101009		242	X	X	S	-	X	X	-	-	-	-	-	O	0112-3112	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	742	X	-	X	X	X	-	-	-	-	-	-	O	0112-3112	49.00	-16.40
6600021	Arkona Becken		-	-	-	-	-	-	-	-	-	-	-	-		54.90	13.90
6600022	Oder Bank	639	X	X	-	-	X	-	-	-	-	-	-	O	0112-3112	54.10	14.20
6600024	Darsser Schwell		-	-	-	-	-	-	-	-	-	-	-	-		54.70	12.70

Offshore moored buoys in the western part of the EUCOS area

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300308	East Atlantic		-	-	-	-	-	-	-	-	-	-	-	-		15.00	-38.00
4100026		322	X	X	-	-	X	-	-	-	-	X	-	L	0112-3112	11.49	-38.40
4100040	West Atlantic	729	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.50	-53.00
4100041	Mid. Atlantic	726	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.50	-46.00
4100043	Porto Rico	744	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	21.00	-65.00
4100044		742	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	21.70	-58.70
4100046		741	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	23.90	-70.90
4100047			-	-	-	-	-	-	-	-	-	-	-	-		27.50	-71.50
4100048		743	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	32.00	-69.60
4100049		744	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	27.50	-53.00
4100100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-	-		15.90	-57.90

**E-SURFMAR DB Monthly Report
December 2011**

4100101 E Martinique	689	X	X	X	X	X	X	-	-	-	X	-	T	0112-3112	14.60	-56.20
4100139	419	X	X	X	-	X	-	-	-	-	X	-	L	0112-3112	20.02	-37.86
4200059 Caraibes	738	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	15.00	-67.50
4400008 A Nantucket	738	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	40.50	-69.40
4400011 D Georges Bk	744	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	41.10	-66.60
4400018 SE Cape Cod	214	S	S	S	S	S	S	-	-	-	S	-		0112-0912	41.30	-69.30
4400024 NNE Channel	726	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	42.30	-65.90
4400137 E Scotia Sl.	718	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	42.30	-62.00
4400138 SW Gd Banks	733	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	44.30	-53.60
4400139 Beanquereau	727	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	44.30	-57.10
4400140 Tail of Bk	465	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	43.80	-51.70
4400141 Larentian F	-	-	-	-	-	-	-	-	-	-	-	-			43.00	-58.00
4400150 La Have Bk	610	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	42.50	-64.00

E-SURFMAR DB Monthly Report December 2011

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 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111231	2500615	13409520	743	0	-0.1	1.2
20111231	2500616	10824160	743	0	0.0	0.9
20111209	2600553	10826150	212	0	0.4	0.9
20111203	2600554	10828610	63	0	0.1	0.3
20111231	4100557	83404	740	0	-0.2	0.8
20111231	4100561	39073	742	0	0.1	0.5
20111231	4100573	37414	741	0	-0.1	0.5
20111231	4100591	39101	456	0	-0.0	0.4
20111231	4100717	83402	627	0	-0.1	0.5
20111231	4100719	83392	721	1	0.1	0.5
20111220	4100912	39092	474	31	0.5	2.7
20111231	4100915	39095	742	0	1.0	1.8
20111231	4100935	39108	742	0	0.2	0.6
20111231	4400546	12296030	741	11	0.2	1.0
20111231	4400547	10133070	742	1	0.1	0.4
20111231	4400548	10820160	743	0	-0.2	0.9
20111231	4400550	10139120	744	0	0.1	0.4
20111223	4400601	12050610	977	3	0.7	0.7
20111231	4400602	10825110	743	0	-0.1	1.0
20111231	4400603	10828630	743	0	0.1	0.6
20111231	4400604	10136120	743	0	0.1	0.5
20111231	4400605	10137040	743	0	0.0	0.6
20111201	4400606	10327610	14	10	-8.6	0.8
20111231	4400607	10826620	742	0	0.3	0.9
20111231	4400608	10820170	744	0	0.3	0.8
20111231	4400613	10823620	744	21	-0.3	1.4
20111231	4400621	13010860	743	0	0.1	0.8
20111231	4400623	13803440	714	40	-0.0	1.2
20111231	4400624	13016860	693	62	-0.6	1.3
20111231	4400668	12760910	728	14	-0.4	0.8
20111224	4400673	10134070	552	0	-0.0	0.6
20111226	4400674	10137060	575	36	-0.4	1.8
20111231	4400744	12874080	536	0	-0.1	0.7
20111231	4400745	13010870	538	0	-0.1	0.7
20111231	4400746	13357510	537	0	-0.1	0.8
20111231	4400762	12487120	742	2	0.4	0.8
20111231	4400764	10822150	743	1	0.2	0.8
20111231	4400765	10820150	743	0	0.0	0.7
20111231	4400766	10820640	742	0	0.3	0.9
20111215	4400769	10824640	346	5	0.2	1.2
20111231	4400771	13018860	744	35	-0.3	0.8
20111231	4400773	10053230	743	0	-0.1	0.6
20111205	4400774	10053260	110	90	-7.5	1.0
20111231	4400775	10057200	744	0	-0.1	0.8
20111231	4400776	10058210	742	15	-0.7	1.8
20111220	4400777	13118260	336	61	-1.1	3.9
20111201	4400778	13616180	14	14	13.1	0.2
20111205	4400780	13802460	110	102	-8.4	0.9
20111231	4400844	37533	743	0	-0.0	0.4
20111231	4400878	83398	742	0	0.1	0.5
20111231	4400880	83428	740	0	0.0	0.4
20111231	4400903	70822	708	0	-0.2	0.5
20111231	4400917	89817	741	0	0.2	0.6
20111231	4800602	10826110	743	0	-0.2	0.5
20111231	4800611	10826630	744	0	-0.5	0.7
20111231	6200532	10829630	744	26	-0.4	2.8
20111228	6200533	10822610	655	37	0.0	1.5
20111231	6200536	13115270	744	0	-0.4	0.4
20111222	6200537	13618160	505	0	0.2	0.4
20111206	6200539	10052230	130	0	0.3	0.4
20111205	6200551	13016850	110	75	-4.4	3.8

E-SURFMAR DB Monthly Report December 2011

20111231	6200553	10827630	743	0	0.1	0.6
20111231	6200599	10824620	744	4	0.1	1.0
20111228	6200600	10829610	664	0	-0.1	1.0
20111231	6200694	10826610	742	0	0.1	0.6
20111231	6200695	10132120	743	0	-0.1	0.7
20111211	6200711	10828160	250	0	0.4	0.6
20111231	6200712	10137120	744	0	-0.0	0.6
20111231	6200713	10324630	743	0	-0.1	1.2
20111231	6200714	10827620	744	2	0.1	0.9
20111231	6200905	70820	704	3	0.4	0.6
20111231	6200932	89812	741	0	-0.1	0.4
20111230	6300635	10427190	710	41	-0.3	1.3
20111231	6300636	10820110	743	4	-0.1	0.6
20111231	6300637	10820630	743	0	0.2	0.7
20111231	6300640	10825620	743	11	-0.1	0.7
20111225	6400516	13110200	587	22	-0.1	1.3
20111220	6400517	13809450	469	67	-1.0	1.6
20111231	6400518	13112270	744	0	0.3	1.1
20111231	6400519	13013860	708	0	0.2	1.1
20111231	6400520	12486100	465	0	-0.2	0.8
20111231	6400521	12874080	465	0	0.1	1.1
20111201	6400607	12548820	69	0	-0.7	1.5
20111231	6400611	12341680	741	1	0.2	0.8
20111231	6400612	12582420	743	0	0.6	0.9
20111231	6400613	13110270	743	0	0.1	0.6
20111231	6400614	13200710	742	5	0.5	0.9
20111231	6400615	13204760	686	29	-0.4	1.2
20111212	6400616	13017590	277	60	-2.0	3.4
20111231	6400617	13111270	743	1	0.3	0.9

Air Pressure (hPa), moored buoys, December 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111231	1300130		736	0	0.6	0.7
20111231	1300131		737	0	0.1	0.7
20111231	6100001		736	2	-0.4	0.8
20111231	6100002		738	0	0.3	0.7
20111231	6100196		84	0	0.3	0.7
20111231	6100198		373	0	0.4	0.7
20111231	6100280		738	0	0.2	0.8
20111231	6100281		738	0	0.1	0.8
20111231	6100417		738	0	0.4	0.7
20111231	6100430		738	0	-0.8	0.7
20111205	6101001		33	33	7.4	0.1
20111231	6101003		242	0	0.2	0.7
20111231	6101004		241	0	0.2	0.7
20111205	6101005		33	33	2.7	46.9
20111231	6101006		242	0	0.5	0.6
20111205	6101009		33	33	2.3	46.8
20111231	6200001		743	0	0.1	0.6
20111220	6200024		462	28	1.5	2.0
20111231	6200025		738	0	0.4	0.7
20111231	6200029		740	1	-0.1	0.8
20111231	6200081		744	0	-0.2	0.6
20111231	6200082		739	0	0.5	0.7
20111231	6200083		738	0	0.2	0.8
20111231	6200084		738	0	0.3	0.6
20111231	6200085		739	0	0.4	0.7
20111231	6200091		743	0	-0.3	0.7
20111210	6200092		229	1	0.2	0.5
20111231	6200093		743	2	0.2	1.4
20111231	6200094		721	11	0.2	0.7
20111231	6200095		742	2	-0.1	0.9
20111231	6200105		744	0	-0.4	0.7
20111231	6200163		744	0	0.1	0.6
20111231	6400045		744	1	-0.4	1.3
20111231	6400046		739	0	-0.1	1.1

Air Temperature (C), drifting buoys, December 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
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E-SURFMAR DB Monthly Report December 2011

20111231 2500619 57010 744 97 3.5 5.7

Air Temperature (C), moored buoys, December 2011

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111231	1300130		736	0	-0.6	0.4
20111231	1300131		737	0	0.5	0.6
20111231	6100001		721	0	-0.9	0.6
20111231	6100002		739	0	-0.2	0.6
20111231	6100196		84	0	-0.1	0.5
20111231	6100198		373	0	-0.3	0.9
20111231	6100280		738	0	0.1	0.6
20111231	6100281		738	0	-0.2	0.6
20111231	6100417		738	0	-3.2	0.8
20111231	6100430		738	0	-0.1	0.4
20111231	6101001		242	0	-0.8	0.7
20111231	6101003		242	0	1.6	0.8
20111231	6101004		241	0	-0.5	0.8
20111231	6101005		242	0	-1.0	0.7
20111205	6101006		33	33	0.5	0.6
20111231	6101009		242	0	-0.9	0.8
20111231	6200001		744	0	-0.2	0.6
20111220	6200024		462	0	0.3	0.7
20111231	6200025		738	0	-0.5	0.9
20111231	6200029		740	0	-0.4	0.7
20111231	6200081		743	0	-0.4	0.7
20111231	6200082		739	0	-0.5	0.6
20111231	6200083		738	0	-0.2	0.6
20111231	6200084		738	0	-0.0	0.6
20111231	6200085		739	0	-0.2	0.5
20111231	6200091		743	0	-0.1	0.5
20111210	6200092		231	0	-0.3	1.1
20111231	6200093		743	0	-0.4	0.9
20111231	6200094		711	2	-0.3	0.7
20111231	6200095		726	1	-0.4	0.9
20111231	6200105		744	0	-0.5	0.8
20111231	6200163		744	0	-1.0	0.7
20111231	6400045		743	0	-1.0	0.9
20111231	6400046		739	0	-0.7	0.9
20111231	6600022		636	0	0.5	0.8

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20111231	1300130		735	3	11	22
20111231	6100001		740	74	-0	30
20111228	6100002		122	27	-111	41
20111231	6100196		83	2	-3	30
20111231	6100198		358	17	-15	31
20111231	6100280		733	11	-2	23
20111231	6100281		731	35	1	31
20111231	6100417		685	26	1	26
20111214	6100430		314	24	-64	47
20111231	6101001		241	16	-2	39
20111231	6101003		242	31	-5	42
20111231	6101004		241	5	-1	25
20111231	6101005		242	5	-6	20
20111231	6101006		241	1	-4	23
20111231	6101009		242	12	-3	33
20111231	6200001		744	0	-0	16
20111214	6200024		322	5	-55	23
20111231	6200025		736	17	0	22
20111231	6200029		740	1	2	11
20111231	6200082		734	5	-2	18
20111231	6200083		732	2	8	18
20111231	6200084		718	22	-6	27
20111231	6200085		736	7	-7	20
20111231	6200091		743	0	5	11
20111210	6200092		231	0	-8	12
20111231	6200093		743	2	6	13
20111231	6200094		633	4	-4	11

E-SURFMAR DB Monthly Report December 2011

20111231	6200095	742	1	-1	13
20111231	6200105	741	0	4	13
20111231	6200163	743	0	1	12
20111231	6400045	742	3	2	19
20111231	6400046	739	5	5	20
20111231	6600022	630	1	-9	13

Wind speed rate, moored buoys, December 2011

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20111231	1300130		735	1	1.1	1.2
20111231	6100001		740	1	1.3	2.2
20111228	6100002		122	43	1.0	3.3
20111231	6100196		83	0	0.8	4.0
20111231	6100198		358	0	1.0	2.1
20111231	6100280		733	0	0.9	2.0
20111231	6100281		731	1	1.2	1.8
20111231	6100417		685	0	0.8	2.1
20111214	6100430		314	3	1.1	2.0
20111231	6101001		241	0	1.1	2.3
20111231	6101003		242	2	1.1	2.2
20111231	6101004		241	0	1.4	3.0
20111231	6101005		242	0	0.9	2.1
20111231	6101006		241	0	1.0	1.8
20111231	6101009		242	0	1.3	2.5
20111231	6200001		744	0	1.0	1.4
20111214	6200024		322	0	1.1	1.6
20111231	6200025		736	0	0.8	2.5
20111231	6200029		740	0	0.9	1.3
20111231	6200082		734	0	1.0	1.9
20111231	6200083		732	0	0.9	1.5
20111231	6200084		718	0	0.9	1.5
20111231	6200085		736	0	1.0	1.3
20111231	6200091		743	0	0.9	1.7
20111210	6200092		231	1	1.0	1.3
20111231	6200093		743	1	0.9	2.0
20111231	6200094		630	2	0.9	1.6
20111231	6200095		741	1	0.8	1.7
20111231	6200105		741	0	0.9	1.7
20111231	6200163		743	0	0.9	1.2
20111231	6400045		742	1	1.0	2.2
20111231	6400046		739	3	1.0	2.1
20111231	6600022		630	1	1.1	1.5

Comments on QC statistics :

Air pressure

1. The high number of pressure measurement failures on drifting buoys, observed in November, remained high in December. Metocean Iridium buoys WMO **4400606**, **4400774**, **4400777**, **4400778**, **4400780**, **6200551**, **6400517** and **6400616** reported wrong pressure values onto the GTS before the transmission was stopped for this parameter. This also happened on Technocean Argos buoy WMO **4100912**. The problem is probably due to the small size of these buoys (see November report). Some of these buoys were rehabilitated at the beginning of January after their pressure measurements were judged correct back (see top of the present report).
2. For the same reasons, some buoys reported wrong pressure values temporarily. It was the case for Metocean Iridium WMO **4400613**, **4400623**, **4400624**, **4400668**, **4400771**, **4400776**, **6200532**, **6300635**, **6400516** and **6400615**. The GTS transmission wasn't stopped for them.
3. Two other Metocean Iridium buoys (WMO **4400674** and **6400516**) reported wrong pressure values at the end of their lives. Metocean Iridium buoy WMO **6200533** also reported wrong pressure values after being ashore in Ireland.
4. Despite these problems, the standard deviation of differences between observations and model outputs was limited to 0.94 hPa in December thanks to a close monitoring.

E-SURFMAR DB Monthly Report December 2011

5. Since the 9th of september, Poseidon moored buoys WMO **6101001**, **6101005** and **6101009** had been reporting 0 hPa onto the GTS (in BUFR) although they should report "missing value". The bug was corrected on December 5th.
6. Spanish moored buoy WMO **6200024** reported a few wrong air pressure values before the GTS transmission was stopped for all parameters on December 20th.

Air temperature

7. 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 (bias = 3.5°C, standard deviation = 5.7 °C).
8. Since the 9th of September, Poseidon moored buoy WMO **6101006** had been reporting 0°C instead of "missing value". The bug was corrected on December 5th.

Wind

9. Wind direction measurements failed on Lion moored buoy (WMO **6100002**) at the beginning of December. The GTS transmission was stopped for this parameter. Some abnormal calm winds have been reported since. The bug should be corrected in January. No visit is planned to this buoy before spring.
10. Wind values reported by Spanish moored buoy WMO **6100430** were judged too bad to be reported onto the GTS. The GTS transmission was stopped for this parameter on December 14th.
11. Spanish moored buoy WMO **6200024** reported a few wrong wind directions before the GTS transmission was stopped for all parameters on December 20th.

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.