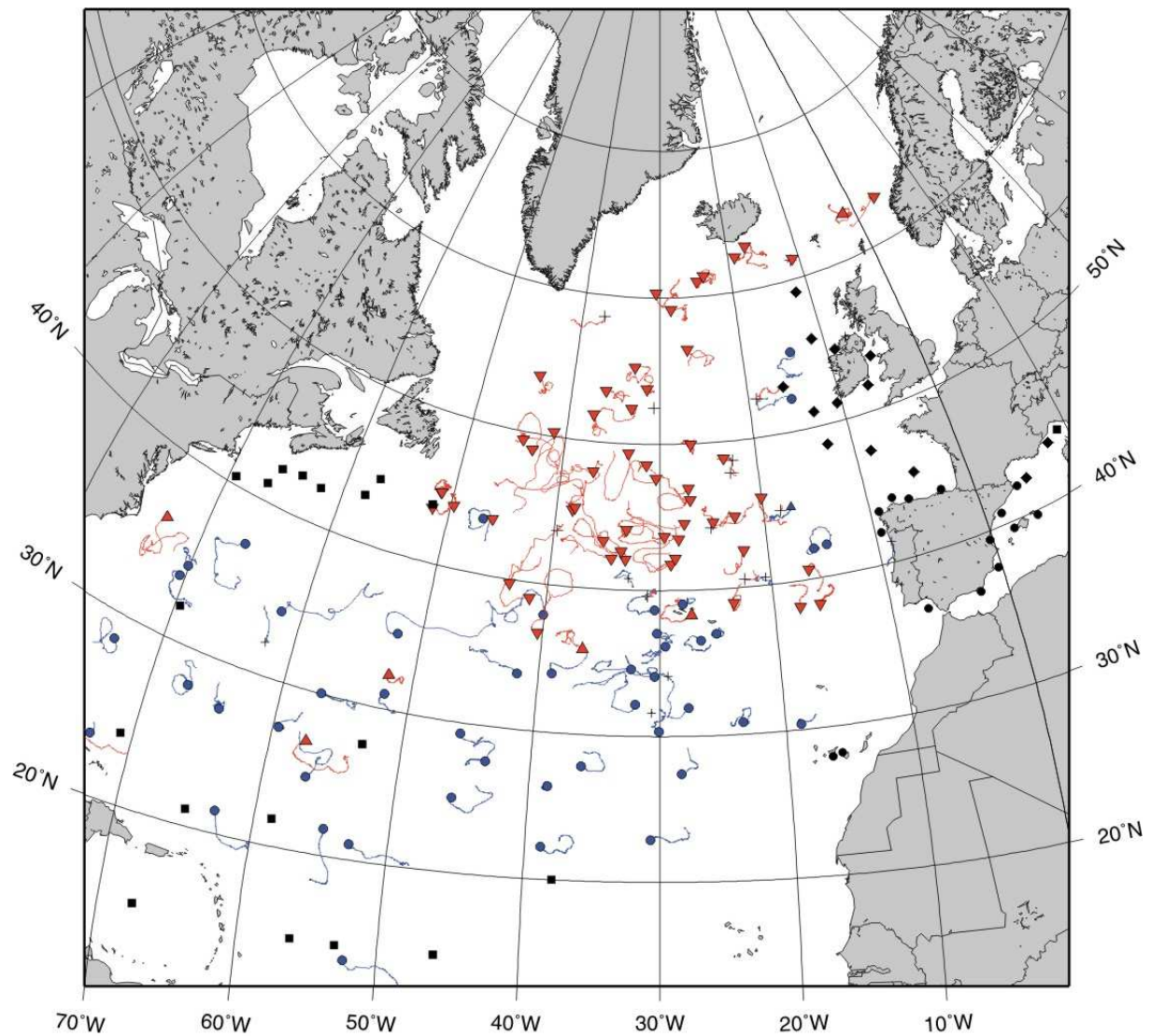
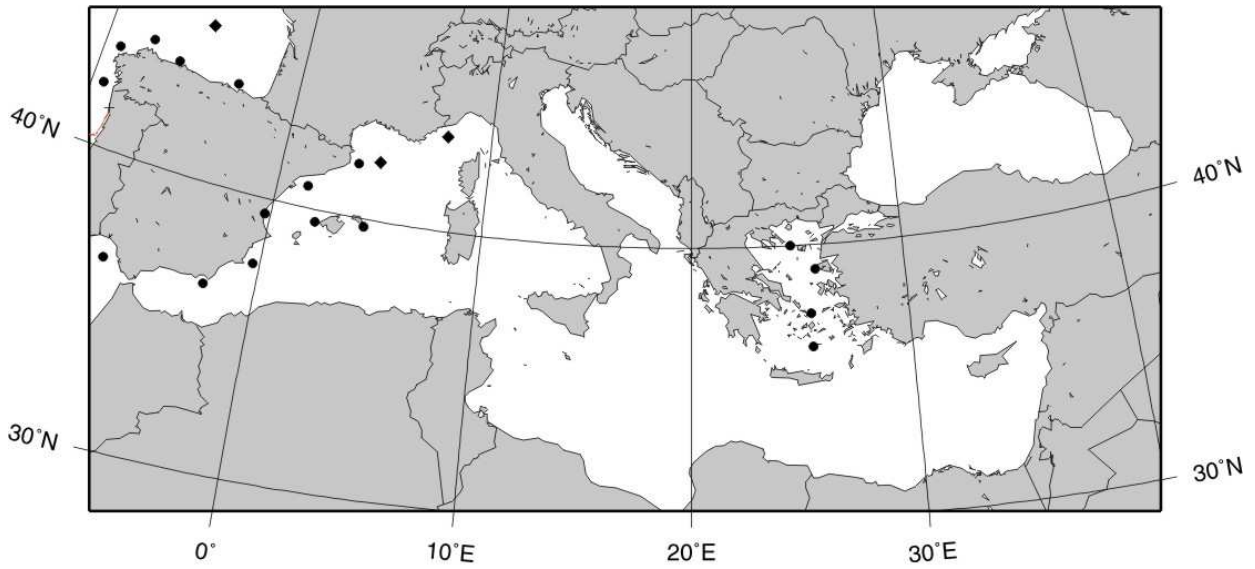


DATA BUOY MONTHLY REPORT

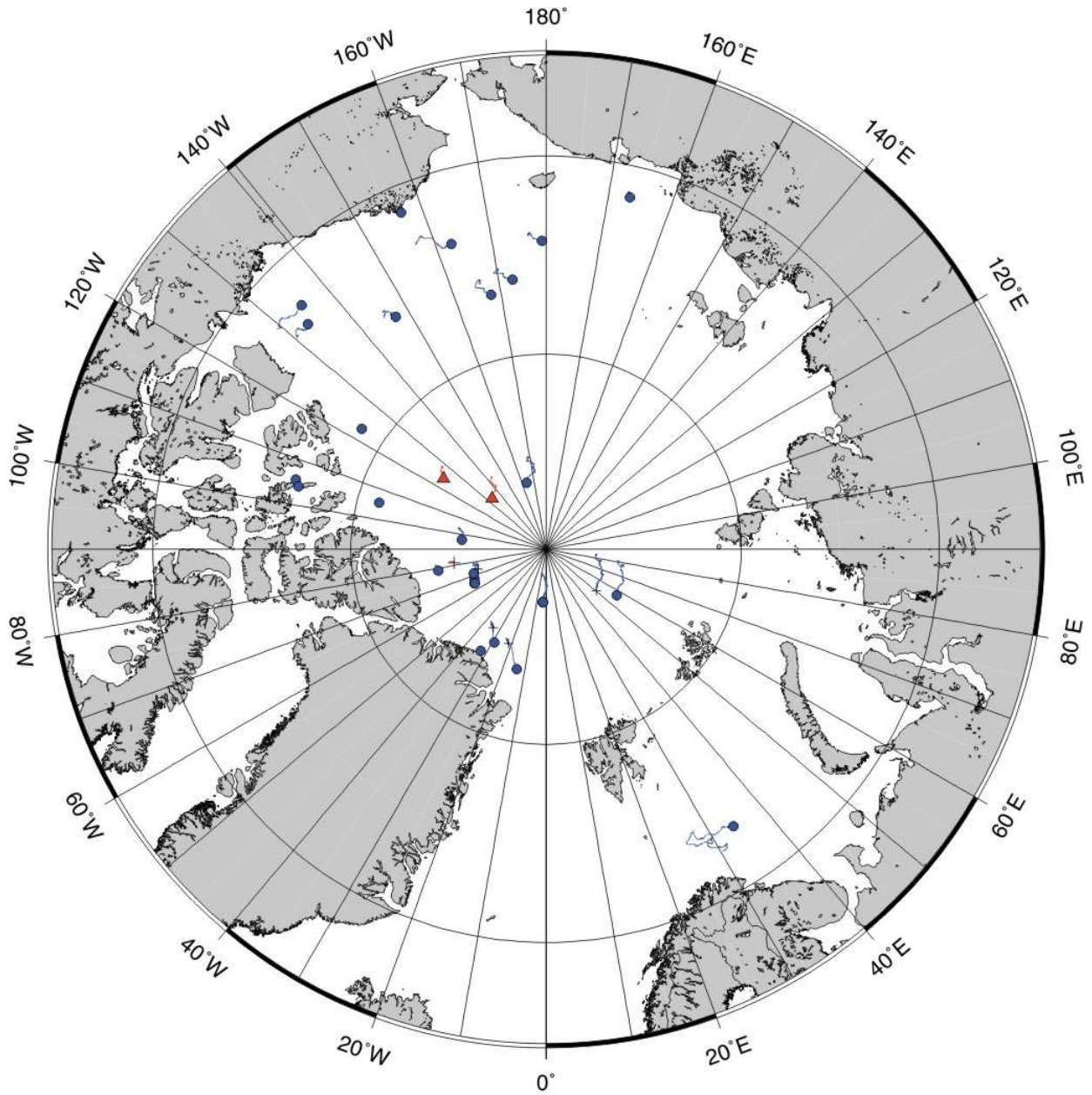
May 2012



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



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



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

DRIFTING BUOYS

Network status

By the end of May, **63 drifting buoys**, reporting air pressure or wind at least onto the GTS, were in operation in the EUCOS area, in the frame of E-SURFMAR. Out of the buoys in operation, 53 were E-SURFMAR funded Iridium SVP-Bs. The remaining buoys were 9 Argos and one Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR.

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

In addition, one ICEB buoy and one SVP-B drifter 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

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

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400630	13015830	MSB	EU	20120531	43.6	-46.0	Southampton	OOCL California
4400685	12762900	MSB	CA	20120525	42.3	-62.0	Halifax	Sir William Alexander
4400686	12469250	MSB	CA	20120526	43.0	-58.0	Halifax	Sir William Alexander
4400687	12294040	MSB	CA	20120527	44.2	-57.0	Halifax	Sir William Alexander
4400721	13805460	MSB	EU	20120531	42.9	-50.3	Southampton	OOCL California
6200557	11028160	MSB	EU	20120529	48.8	-24.2	Southampton	OOCL California
6200558	11023180	MSB	EU	20120529	47.8	-30.9	Southampton	OOCL California
6400523	11757730	MSB	UP	20120529	61.2	-11.7	Rotterdam	Selfoss

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	744	-	-	X	X	-	-	-	X	-	-	-	T	0105-3105	86.18	-133.23	254
4800611	10826110	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	83.60	-124.50	268

Operating drifting buoys in North Atlantic by the end of the month

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
4100561	39073	TSB	UP	727	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	32.24	-52.01	480
4100915	39095	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	36.16	-73.24	532
4100957	38569	TSB	UP	729	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	27.84	-36.07	530
4400547	10133070	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	43.51	-28.25	225
4400548	10820160	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	62.36	-18.98	215
4400549	11025170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	59.18	-28.57	116
4400551	11027150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	38.93	-41.48	116
4400609	10821540	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.74	-51.23	126
4400612	13015860	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	61.02	-24.80	174

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4400614	10305940	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	46.16	-27.03	131
4400615	11023600	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	56.43	-26.66	130
4400616	11813550	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	53.90	-43.94	130
4400620	11022170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	41.80	-29.00	115
4400625	11502100	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	52.40	-33.17	117
4400626	11814550	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	45.24	-38.47	56
4400627	11028170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.10	-49.76	56
4400628	11029180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	50.31	-41.35	56
4400629	11021160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	48.89	-43.28	56
4400630	13015830	MSB	EU	10	-	-	X	X	X	-	-	X	-	-	-	T	3105-3105	43.81	-45.89	1
4400739	11023610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	39.76	-43.40	112
4400744	13805450	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	36.69	-40.44	176
4400745	13010870	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	51.86	-37.28	176
4400746	13357510	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	53.52	-36.13	175
4400747	11029160	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	42.11	-34.50	116
4400764	10822150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	60.30	-30.57	214
4400765	10820150	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	62.95	-17.26	215
4400767	11919510	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	45.41	-38.25	126
4400768	11912520	MSB	EU	392	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	48.56	-31.40	127
4400835	89827	TSB	UP	724	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	62.91	-1.76	626
4400844	37533	TSB	UP	728	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	38.28	-27.23	399
4400863	13015840	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	43.70	-29.60	112
4400864	13614150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	47.99	-36.77	111
4400865	11022610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	43.31	-35.31	102
4400866	11020180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	49.46	-44.38	101
4400867	11022740	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	43.59	-51.64	101
4400869	11026040	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.55	-27.65	92
4400871	11025180	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	55.22	-32.99	90
4400872	11027700	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	49.36	-33.29	76
4400873	11022600	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.73	-51.14	76
4400874	11023040	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	42.07	-33.18	77
4400875	11021610	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	42.65	-33.60	76
4400880	83428	TSB	UP	724	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	26.89	-57.30	882
4400885	39086	TSB	UP	728	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	45.01	-17.32	399
6200511	11026160	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	38.26	-16.02	87
6200518	11024270	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.85	-22.77	114
6200519	13114260	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.14	-33.18	114
6200520	13611180	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	44.56	-24.92	114
6200554	11027160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	38.25	-17.77	86
6200555	11023170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	40.67	-16.55	87
6200556	11021170	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	39.01	-23.51	86
6200557	11028160	MSB	EU	59	-	-	X	X	X	-	-	X	-	-	-	T	2905-3105	48.87	-23.42	3
6200558	11023180	MSB	EU	35	-	-	X	X	X	-	-	X	-	-	-	T	3005-3105	47.67	-30.39	3
6200597	10301840	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	49.96	-26.73	131
6200677	11022050	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	42.52	-22.21	113
6200678	11029050	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	53.77	-31.50	103
6200696	11917510	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	46.96	-27.20	128
6200697	11020160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	42.19	-28.59	120
6200712	10137120	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	45.94	-20.04	226
6200722	37773	TSB	UP	730	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	30.83	-23.37	583
6200724	39074	TSB	UP	727	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	36.52	-26.48	397
6400522	11029150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	61.36	-23.83	115
6400523	11757730	MSB	UP	59	-	-	X	X	X	-	-	X	-	-	-	T	2905-3105	61.34	-10.97	3
6400609	13806460	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	62.90	3.54	99

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4100573	37414	TSB	UP	2012052805	24.6	-76.8	469	Ashore (Bahamas)
4400550	10139120	MSB	EU	2012051105	39.6	-31.1	205	Battery (quickly drained)
4400604	10136120	MSB	EU	2012051905	48.7	-22.5	213	AP measurements failed
4400605	10137040	MSB	EU	2012050305	47.8	-22.8	196	Battery (quickly drained)
4400608	10820170	MSB	EU	2012050305	43.7	-39.7	182	Battery (quickly drained)
4400621	13010860	MSB	EU	2012050205	52.5	-30.7	256	Battery (quickly drained)
4400903	70822	TSB	UP	2012050905	44.2	-25.1	1786	Battery
4800602	10824160	MSB	EU	2012052305	85.2	-81.6	266	Battery (quickly drained)
6200551	13016850	MSB	EU	2012051505	40.5	-22.4	335	Battery
6200694	10826610	MSB	EU	2012052505	52.6	-19.2	206	Battery (quickly drained)
6200695	10132120	MSB	EU	2012050305	44.9	-18.3	198	Battery (quickly drained)
6400519	13013860	MSB	EU	2012050405	61.3	-11.2	156	Battery (quickly drained)
6400612	12582420	MSB	EU	2012051905	58.5	-37.2	271	Battery (quickly drained)

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Non-operating drifting buoys reporting GTS data

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
6200926	83427	TSB	UP	727	-	-	-	-	X	-	-	X	-	-	-	L	0105-3105	70.13	39.12	879

Other operating drifting buoys into the EUCOS area of interest by the end of the month

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300520	39676	AOML		726	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	32.18	-31.98
1300522	104132	AOML		725	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	30.32	-30.07
1300527	44092	AOML		578	-	-	X	X	-	-	-	X	-	-	-	L	0105-3105	30.38	-18.77
1300569	71026	AOML		724	-	-	X	X	X	-	-	-	-	-	-	L	0105-3105	30.05	-56.96
1300570	40180	AOML		727	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	36.17	-29.51
1300600	43869	AOML		724	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	31.93	-27.66
1300621	44096	AOML		575	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	22.91	-30.70
1300635	44115	AOML		581	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	24.98	-45.73
1300962	37643	AOML		730	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	34.00	-38.91
3100720	109456	LODY		1449	-	-	X	-	X	-	-	X	-	-	X	T	0105-3105	5.35	-16.38
3100722	42804	LODY		1433	-	-	X	-	X	-	-	X	-	-	X	T	0105-3105	6.18	-47.04
4100555	92960	AOML		533	-	-	X	-	X	-	-	X	-	-	-	L	0105-3105	27.41	-28.30
4100565	39216	AOML		723	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	35.82	-36.51
4100572	39640	AOML		721	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	21.36	-62.88
4100575	39668	AOML		723	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	34.17	-61.73
4100593	39236	AOML		721	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	24.71	-56.81
4100595	37638	AOML		729	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	29.29	-45.66
4100607	39252	AOML		730	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	21.00	-52.83
4100608	40294	AOML		731	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	52.20	-15.25
4100617	104138	AOML		721	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	27.27	-59.58
4100632	39232	AOML		744	-	-	X	X	X	-	-	X	-	-	-	T	0105-3105	27.66	-43.48
4100670	39237	AOML		723	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	30.97	-52.06
4100676	104127	AOML		723	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	34.58	-32.35
4100695	12724770	AOML		292	-	-	X	X	X	-	-	-	-	-	-	T	1905-3105	40.63	-56.19
4100733	36606	LODY		430	-	-	X	-	X	-	-	X	-	-	X	T	0105-3105	26.34	-38.57
4100734	36609	LODY		1382	-	-	X	-	X	-	-	X	-	-	X	T	0205-3105	22.22	-38.84
4100737	92551	LODY		750	-	-	X	-	X	-	-	X	-	-	X	T	0205-3105	13.60	-52.33
4100916	40047	AOML		724	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	37.08	-66.39
4100924	39190	AOML		728	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	37.91	-40.12
4100930	39891	AOML		726	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	34.98	-52.00
4100933	40008	AOML		726	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	27.91	-67.11
4100938	71027	AOML		724	-	-	X	X	X	-	-	-	-	-	-	L	0105-3105	38.65	-30.48
4100942	40079	AOML		731	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	33.78	-41.75
4100945	93003	AOML		591	-	-	X	-	X	-	-	X	-	-	-	L	0105-3105	27.25	-64.31
4100960	93006	AOML		648	-	-	X	-	X	-	-	X	-	-	-	L	0105-3105	43.71	-46.79
4100980	39245	AOML		728	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	21.70	-54.82
4400927	88663	AOML		680	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	55.30	-14.28
4400942	89832	AOML		728	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	72.93	34.12
6200505	11120780	CMM		741	-	-	X	X	X	-	-	X	-	-	X	T	0105-3105	42.13	-14.57
6200513	11127760	CMM		719	-	-	X	X	X	-	-	X	-	-	X	T	0105-3105	42.03	-15.80
6200730	41463	AOML		671	-	-	X	X	X	-	-	X	-	-	-	L	0105-3005	39.05	-27.95
6200903	41421	AOML		725	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	34.09	-30.45
6200932	41470	AOML		725	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	37.07	-30.23
6200938	44093	AOML		574	-	-	X	X	X	-	-	X	-	-	-	L	0105-3105	36.96	-25.14

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	726	S	X	X	X	X	X	X	-	-	X	-	T	0105-3105	43.40	7.80
6100002	Lion	726	X	X	X	X	X	X	X	-	-	X	-	T	0105-3105	42.10	4.70
6200001	Gascogne	744	X	X	X	X	X	X	X	-	-	X	-	O	0105-3105	45.30	-5.00
6200029	K1	742	X	X	X	X	X	X	X	-	-	X	-	O	0105-3105	48.70	-12.50

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6200081	K2	744	-	X	X	X	X	X	-	-	-	X	-	O	0105-3105	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6200091	M2	740	X	X	X	-	X	X	-	-	-	X	X	O	0105-3105	53.50	-5.40
6200092	M3	10	X	X	X	-	X	X	-	-	-	X	X	O	3105-3105	51.20	-10.50
6200093	M4	743	X	X	-	-	X	-	-	-	-	-	-	O	0105-3105	54.70	-9.10
6200094	M5	742	X	X	X	-	X	X	-	-	-	X	X	O	0105-3105	51.70	-6.70
6200095	M6	723	-	X	X	X	X	X	-	-	-	X	-	O	0105-3105	53.10	-15.90
6200105	K4	744	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6200163	Brittany	744	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	47.50	-8.40
6400045	K5	743	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	59.10	-11.70
6400046	K7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.70	-5.20

Comments:

- EUCOS moored buoys are presented in bold characters.

Operating EGOS moored buoys (Spanish SeaWatch and WaveScan)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300130	Gran Canaria	178	X	X	X	-	X	X	X	-	-	-	X	O	2405-3105	28.18	-15.82
1300131	Tenerife Sur	591	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	28.00	-16.58
6100196	C. Begur	743	X	X	X	-	-	X	X	-	-	-	-	O	0105-3105	41.92	3.65
6100197	Mahon	742	X	X	X	-	-	X	X	-	-	-	-	O	0105-3105	39.72	4.42
6100198	C. de Gata	742	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	36.57	-2.33
6100280	Tarragona	744	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	40.77	1.47
6100281	Valencia	744	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	39.47	-0.27
6100417	C. de Palos	742	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	37.65	-0.32
6100430	Dragonera	647	X	X	X	-	X	X	X	-	-	-	-	O	0105-2905	39.56	2.11
6200024	Bilbao-Visc.	742	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	43.63	-3.03
6200025	C. de Penas	742	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	43.73	-6.17
6200082	E. de Bares	743	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	44.13	-7.69
6200083	Villano-Sis.	744	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	43.48	-9.22
6200084	C. Silleiro	742	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	42.12	-9.43
6200085	G. de Cadiz	742	X	X	X	-	X	X	X	-	-	-	X	O	0105-3105	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		1398	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	37.44	15.15
6100208		1315	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	37.52	12.53
6100209		1389	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	38.26	13.33
6100210		1403	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	39.02	17.22
6100211		1406	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.62	9.89
6100213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.55	8.11
6100214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.87	12.95
6100215		1400	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	40.98	17.38
6100216		1345	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	42.24	11.55
6100218		1370	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	43.83	13.72
6100219		1378	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	43.93	9.83
6100220		1388	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	45.33	12.52
6100221		1402	-	-	-	-	X	X	-	-	-	-	-	O	0105-3105	39.12	9.40

Operating POSEIDON moored buoys (Greece)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6101000		-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.10	24.50
6101001		-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.60	23.60
6101002		-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.00	22.10
6101003		243	X	X	X	-	X	X	-	-	-	-	-	O	0105-3105	40.00	24.70
6101004		244	X	X	X	-	X	X	-	-	-	-	-	O	0105-3105	39.10	25.80

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6101005	241	X	X	-	-	X	X	-	-	-	-	-	O	0105-3105	37.50	25.50
6101006	244	X	-	X	-	X	X	-	-	-	-	-	O	0105-3105	36.30	25.50
6101007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.80	24.90
6101008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.80	21.60
6101009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.00	20.60

----- Other European moored buoys

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100010	Italia-1	163	X	X	X	-	-	-	-	-	-	X	-	O	1105-3105	43.80	9.10
6200052	Ushant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.50	-5.80
6200442	PAP	156	S	-	S	S	-	-	-	-	-	-	-	-	0105-0705	49.00	-16.40
6600021	Arkona Becken	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.90	13.90
6600022	Oder Bank	622	X	X	-	-	X	-	-	-	-	-	-	O	0405-3105	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	-	346	X	X	-	-	X	-	-	-	-	X	-	L	0105-3105	11.49	-38.40
4100040	West Atlantic	577	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	14.50	-53.00
4100041	Mid. Atlantic	743	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	14.50	-46.00
4100043	Porto Rico	734	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	21.00	-65.00
4100044	-	727	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	21.70	-58.70
4100046	-	723	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	23.90	-70.90
4100047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.50	-71.50
4100048	-	740	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	32.00	-69.60
4100049	-	738	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	27.50	-53.00
4100100	E Guadeloupe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.90	-57.90
4100101	E Martinique	712	X	X	X	X	X	X	-	-	-	X	-	T	0105-3105	14.60	-56.20
4100139	-	391	X	X	X	-	X	-	-	-	-	X	-	L	0105-3105	20.02	-37.86
4200059	Caraibes	737	X	X	X	X	X	X	-	-	-	S	-	O	0105-3105	15.00	-67.50
4400008	A Nantucket	743	X	X	X	X	X	X	-	-	-	X	-	O	0105-3105	40.50	-69.40
4400011	D Georges Bk	743	X	X	X	X	X	X	-	-	-	-	-	O	0105-3105	41.10	-66.60
4400018	SE Cape Cod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.30	-69.30
4400024	NNE Channel	730	X	X	X	X	X	X	-	-	-	-	-	O	0105-3105	42.30	-65.90
4400137	E Scotia Sl.	721	X	X	X	X	X	X	-	-	-	-	-	O	0105-3105	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.30	-53.60
4400139	Beanquereau	546	X	X	X	X	X	X	-	-	-	-	-	O	0105-3105	44.30	-57.10
4400140	Tail of Bk	416	-	-	-	-	-	-	-	-	-	-	-	O	0105-3105	43.80	-51.70
4400141	Larentian F	680	X	X	X	X	X	X	-	-	-	-	-	O	0105-2905	43.00	-58.00
4400150	La Have Bk	724	X	X	X	X	X	X	-	-	-	-	-	O	0105-3105	42.50	-64.00

----- Abbreviations -----

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

Ow : Buoy owner (country code or EU for EUCOS)
 Owner : Buoy owner for non EUCOS buoys
 Nobs : number of GTS reports received at Meteo-France
 Parameters (X = OK, S = stopped, - = not measured) :
 Wi : Wind
 AT : Air Temperature
 AP : Air Pressure
 dP : Air pressure tendency
 ST : Sea surface Temperature
 Wa : Wave period and height

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Ws : Wave spectra
Dr : Drogue presence
Sb : Subsurface temperature
U : Relative humidity
SS : Sea surface Salinity
O : Origin of the reports (T = Argos Toulouse, L = Argos Largo, O = Other)
Start_end : first and last dates of the month for which GTS data were received at Meteo-France
Lat : Latitude of the latest position
Lon : Longitude of the latest position
Age : Age of the buoy (days)

DepDate : Date of deployment
DepLat : Latitude of deployment
Dep Lon : Longitude of Deployment
From : Harbour of departure

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

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Buoy-QC statistics from Meteo-France model outputs

Datend : Date of the last value received on GTS
Recvd : Total number of values received on GTS
GE : Number of Gross Errors (excluded from bias and sd computations)
bias : Mean differences between observation values and co-located model output values
Std : Standard deviation of differences

Air Pressure (hPa), drifting buoys, May 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120531	2500615	13409520	744	0	-0.2	0.4
20120531	4100561	39073	727	0	0.0	0.4
20120528	4100573	37414	627	0	0.0	0.7
20120526	4100591	39101	558	0	0.1	0.3
20120531	4100915	39095	720	0	0.4	1.1
20120531	4100957	38569	729	0	-0.1	0.3
20120531	4400547	10133070	744	0	0.2	0.4
20120531	4400548	10820160	743	0	-0.0	0.6
20120531	4400549	11025170	744	38	-0.1	1.9
20120511	4400550	10139120	263	0	0.2	0.7
20120531	4400551	11027150	744	0	-0.3	0.4
20120502	4400604	10136120	37	0	0.3	0.3
20120503	4400605	10137040	61	0	0.4	0.2
20120503	4400608	10820170	66	0	0.2	0.3
20120531	4400609	10821540	744	0	0.2	0.5
20120531	4400612	13015860	107	14	0.2	1.5
20120531	4400614	10305940	467	0	-0.1	0.6
20120531	4400615	11023600	744	0	-0.1	0.4
20120531	4400616	11813550	744	0	0.0	0.4
20120531	4400620	11022170	744	0	-0.1	0.4
20120502	4400621	13010860	33	0	0.1	0.2
20120531	4400625	11502100	744	0	0.2	0.3
20120531	4400626	11814550	744	3	0.0	0.6
20120531	4400627	11028170	744	0	-0.1	0.4
20120531	4400628	11029180	744	0	-0.1	0.5
20120531	4400629	11021160	744	0	0.0	0.4
20120531	4400739	11023610	744	0	-0.1	0.3
20120531	4400744	13805450	744	0	-0.0	0.5
20120531	4400745	13010870	744	0	-0.1	0.4
20120531	4400746	13357510	744	0	-0.1	0.3
20120531	4400747	11029160	743	0	0.0	0.9
20120531	4400764	10822150	744	0	0.1	0.4
20120531	4400765	10820150	743	0	0.2	0.4
20120531	4400767	11919510	743	0	-0.1	0.3
20120531	4400768	11912520	392	1	0.1	1.1
20120531	4400835	83420	468	0	0.1	0.6
20120531	4400844	37533	728	0	0.1	0.4
20120531	4400863	13015840	744	2	0.1	0.5
20120531	4400864	13614150	744	0	0.1	0.4
20120531	4400865	11022610	744	0	0.1	0.4
20120531	4400866	11020180	744	0	-0.0	0.4
20120531	4400867	11022740	744	0	-0.2	0.4
20120531	4400869	11026040	744	0	-0.0	0.4
20120531	4400871	11025180	744	0	0.0	0.4
20120531	4400872	11027700	744	6	0.1	0.7
20120531	4400873	11022600	744	0	-0.0	0.5
20120531	4400874	11023040	744	0	0.0	0.4
20120531	4400875	11021610	744	0	0.0	0.4
20120531	4400880	83428	722	0	0.2	0.5
20120531	4400885	39086	474	0	0.2	0.4
20120509	4400903	70822	79	1	0.1	0.4
20120523	4800602	10826110	533	0	-0.2	0.4
20120531	4800611	10826630	744	0	-0.3	0.4
20120531	6200511	11026160	743	0	-0.1	0.4
20120531	6200518	11024270	744	0	-0.0	0.4
20120531	6200519	13114260	744	0	0.1	0.5
20120531	6200520	13611180	742	0	0.0	0.4
20120515	6200551	13016850	337	1	-0.0	1.7
20120531	6200554	11027160	744	0	-0.1	0.3
20120531	6200555	11023170	744	0	0.0	0.4
20120531	6200556	11021170	744	0	0.1	0.3
20120531	6200557	11028160	59	0	-0.1	1.0

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20120531	6200558	11023180	35	0	-0.2	2.0
20120531	6200597	10301840	744	0	-0.2	0.4
20120531	6200677	11022050	744	0	-0.0	0.4
20120531	6200678	11029050	744	0	-0.1	0.3
20120525	6200694	11020160	589	54	-0.1	1.2
20120503	6200695	10132120	66	0	0.1	0.4
20120531	6200696	11917510	744	0	0.0	0.4
20120531	6200697	12291040	744	0	-0.1	0.3
20120531	6200712	10137120	744	0	-0.0	0.3
20120531	6200722	37773	729	0	0.1	0.3
20120531	6200724	39074	727	0	0.0	0.3
20120504	6400519	13013860	77	0	-0.2	0.4
20120531	6400522	11029150	467	0	-0.1	0.4
20120531	6400523	11757730	59	0	-0.2	0.2
20120531	6400609	13806460	744	0	0.1	0.4
20120519	6400612	12582420	439	0	-0.2	0.6

Air Pressure (hPa), moored buoys, May 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120531	1300130		178	0	0.9	0.5
20120531	1300131		591	0	0.5	0.6
20120531	6100001		716	0	0.2	1.0
20120531	6100002		726	0	0.3	0.5
20120531	6100010		163	0	-0.7	0.5
20120531	6100196		743	0	-1.3	0.8
20120531	6100197		742	0	0.5	0.6
20120531	6100198		742	0	0.2	0.7
20120531	6100280		744	0	0.8	0.6
20120531	6100281		744	0	0.7	0.7
20120531	6100417		742	0	0.4	0.7
20120529	6100430		647	0	-0.4	0.6
20120531	6101003		243	0	0.6	0.6
20120531	6101004		244	0	0.5	0.6
20120531	6101006		244	0	0.5	0.6
20120531	6200001		744	0	0.0	0.4
20120531	6200024		742	0	0.4	0.6
20120531	6200025		742	0	0.6	0.6
20120531	6200029		742	0	-0.1	0.6
20120531	6200081		744	1	0.0	0.4
20120531	6200082		743	0	0.4	0.6
20120531	6200083		744	0	0.2	0.6
20120531	6200084		742	0	0.4	0.6
20120531	6200085		742	0	0.5	0.6
20120531	6200091		740	1	0.2	0.4
20120531	6200094		742	0	-0.0	0.4
20120531	6200095		723	3	0.2	1.0
20120531	6200105		744	1	-0.0	0.4
20120531	6200163		744	0	0.0	0.4
20120531	6400045		743	0	-0.1	0.4

Air Temperature (C), drifting buoys, May 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120531	2500619	57010	743	0	5.0	3.3

Air Temperature (C), moored buoys, May 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120531	1300130		178	0	-0.8	0.3
20120531	1300131		591	0	-0.1	1.0
20120531	6100001		721	0	-0.7	0.7
20120531	6100002		726	0	-0.2	0.8
20120531	6100010		163	0	0.6	1.0
20120531	6100196		743	0	-0.3	1.0
20120531	6100197		742	0	-0.2	0.9
20120531	6100198		742	0	-0.1	1.0
20120531	6100280		744	0	-0.1	1.3
20120531	6100281		744	0	-0.4	0.8

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20120531	6100417	742	0	0.1	0.7
20120529	6100430	647	0	0.1	0.6
20120531	6101003	243	0	1.7	1.2
20120531	6101004	244	0	-0.5	0.8
20120531	6101005	241	0	-0.6	1.0
20120531	6200001	744	0	0.1	0.6
20120531	6200024	742	0	0.1	0.6
20120531	6200025	742	0	-0.4	0.6
20120531	6200029	742	0	-0.1	0.4
20120531	6200081	744	0	0.0	0.4
20120531	6200082	743	0	-0.5	0.6
20120531	6200083	744	0	-0.0	0.6
20120531	6200084	742	0	-0.1	0.7
20120531	6200085	742	0	-0.0	1.1
20120531	6200091	740	0	0.1	0.7
20120531	6200093	743	0	0.1	0.7
20120531	6200094	742	0	0.3	0.6
20120531	6200095	720	3	0.0	0.8
20120531	6200105	744	0	0.1	0.4
20120531	6200163	741	0	0.1	0.6
20120531	6400045	743	0	-0.1	0.6
20120531	6600022	620	0	0.8	1.2

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20120531	1300130		177	0	29	12
20120531	1300131		90	19	-162	49
20120512	6100001		267	52	-19	29
20120531	6100002		724	10	-5	22
20120531	6100010		163	17	-12	40
20120531	6100196		725	32	-11	32
20120531	6100197		703	18	-10	27
20120531	6100198		707	34	2	25
20120531	6100280		707	36	-2	33
20120531	6100281		658	48	9	33
20120531	6100417		698	17	2	25
20120529	6100430		290	9	-8	32
20120531	6101003		243	46	-5	50
20120531	6101004		243	12	-4	34
20120531	6101005		241	14	-7	29
20120531	6101006		244	2	-1	26
20120531	6200001		744	12	-3	22
20120531	6200024		735	79	-11	40
20120531	6200025		728	64	-12	27
20120531	6200029		740	9	-8	20
20120531	6200082		730	6	4	22
20120531	6200083		734	54	-9	26
20120531	6200084		710	17	5	20
20120531	6200085		739	21	-7	24
20120531	6200091		740	5	1	20
20120531	6200093		742	5	4	16
20120531	6200094		741	5	2	17
20120531	6200105		744	0	-3	12
20120531	6200163		744	1	-3	16
20120531	6400045		742	4	-1	16
20120531	6600022		621	11	-5	21

Wind speed rate, moored buoys, May 2012

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20120531	1300130		177	0	1.0	0.9
20120531	1300131		90	0	1.0	2.4
20120512	6100001		267	0	1.2	1.5
20120531	6100002		724	0	1.0	1.8
20120531	6100010		163	0	1.5	1.8
20120531	6100196		725	0	0.9	2.0
20120531	6100197		703	0	1.0	1.6
20120531	6100198		707	0	0.9	2.0
20120531	6100280		707	0	1.0	1.9
20120531	6100281		658	0	1.2	2.1

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20120531	6100417	698	0	1.0	1.4
20120529	6100430	290	0	1.1	1.8
20120531	6101003	243	0	1.4	2.3
20120531	6101004	243	0	1.3	1.8
20120531	6101005	241	0	1.0	1.7
20120531	6101006	244	0	1.1	1.6
20120531	6200001	744	1	1.1	1.3
20120531	6200024	735	1	1.1	1.7
20120531	6200025	728	0	0.9	2.4
20120531	6200029	740	0	1.0	1.2
20120531	6200082	730	0	0.8	1.8
20120531	6200083	734	3	0.8	1.7
20120531	6200084	710	0	1.0	1.4
20120531	6200085	739	0	1.0	2.0
20120531	6200091	740	0	1.0	1.4
20120531	6200093	742	0	0.9	1.4
20120531	6200094	741	0	1.0	1.3
20120531	6200105	744	0	0.9	1.0
20120531	6200163	744	0	1.0	1.2
20120531	6400045	742	0	1.0	1.3
20120531	6600022	621	1	1.2	1.3

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoy WMO **4400549** reported wrong pressure values temporarily in May. The GTS transmission was not stopped for it. Measurements were correct at the end of the month.
2. Metocean Iridium buoy WMO **4400612** was rehabilitated twice for its pressure measurements. The first time was not successful. The buoy reported a few wrong data. Measurements became correct back during the second half of May. So, they were released onto the GTS back.
3. Metocean Iridium buoy WMO **6200694** reported wrong pressure values onto the GTS before the transmission was stopped for this parameter on 25 May. The buoy definitely stopped transmitting on 29 May.
4. Air pressure values reported by Spanish moored buoy WMO **6100196** continue to present a systematic bias of about -1.2 hPa according to comparisons with model outputs.

Air temperature

5. 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 May: bias of 5.0 °C with standard deviation of 3.3 °C.
6. Greek moored buoy WMO **6101003** has been presenting a systematic bias of about 1.5°C for several months according to comparisons with model outputs (1.7°C in May).

Wind

7. Spanish moored buoy WMO **1300131** has been reporting dubious wind data since the 28th of May.

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.