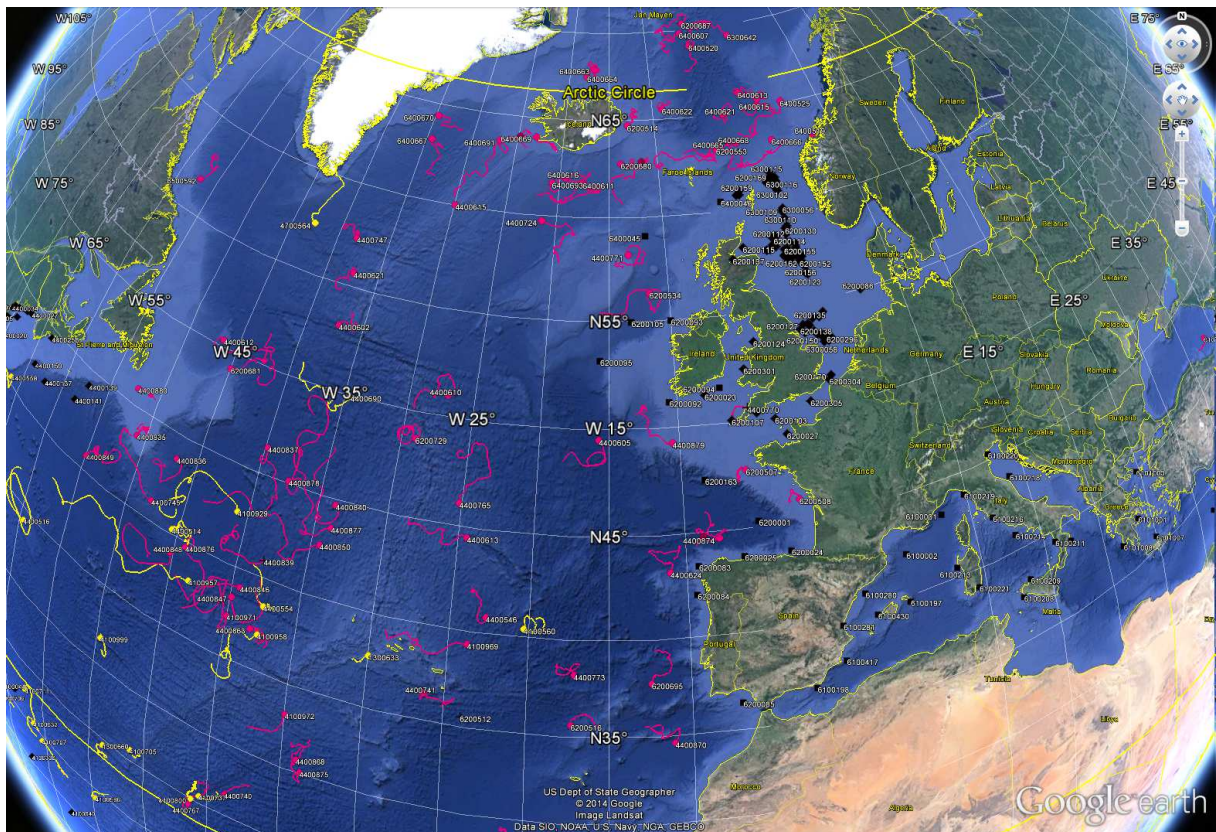


DATA BUOY MONTHLY REPORT

April 2014



*April 2014 : Operating data buoys in the North Atlantic
Drifting buoy trajectories : E-SURFMAR (red), others (yellow)
Moored buoy positions (black)*

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

DRIFTING BUOYS

Network status

By the end of April, **95 Drifting buoys**, reporting air pressure onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 65 were E-SURFMAR funded Iridium SVP-Bs, including 7 in the Arctic and 4 HRSST-2 buoys. The remaining buoys were: 29 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR and one Iridium buoy owned by an external partner, Marlin Yug, in the Black Sea. E-SURFMAR is funding the communication for this latter : another opportunity to evaluate the products of this manufacturer and to have buoys in operation in the Black Sea.

These buoys included one, gently ashore, which reports reliable pressure onto the GTS from the Norwegian coast: WMO 6400519.

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

Besides E-SURFMAR buoys, 43 drifting buoys were reporting at least air pressure observations from the EUMETNET area of interest. Out of these, 6 were reporting Sea Surface Salinity, some in the frame of Spurs/Strasse campaign (validation of SMOS and Aquarius remote SSS measurements).

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400615	61666340	MSB	EU	20140430	60.0	-29.4	Reykjavik	Reykjafoss

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

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
2500618	60244420	MSB	EU	518	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	83.21	98.46	247
2500619	60276270	MSB	EU	165	-	-	X	X	X	-	-	X	-	-	-	T	2304-3004	86.18	32.45	245
2500624	60247420	MSB	EU	518	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	88.64	71.14	243
2500648	60370080	MSB	EU	518	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	86.42	100.76	234
2500650	60375030	MSB	EU	498	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	84.18	127.12	237
2500652	60176700	MSB	EU	535	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	84.64	79.15	231
2600556	11549080	MSB	EU	702	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	78.93	-14.04	585
4100969	60213780	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.37	-23.77	266
4100970	60213790	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	28.04	-61.63	265
4100971	60215900	PSB	UP	635	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	37.36	-39.90	265
4100972	60217780	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	33.29	-34.91	265
4400546	11160640	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	40.83	-22.71	407
4400602	11468700	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	53.07	-37.05	405
4400605	11473110	MSB	EU	699	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	49.50	-15.75	355
4400607	11474110	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.85	-8.82	356
4400610	61517860	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	51.00	-27.04	142
4400612	61511880	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	50.32	-46.44	130
4400613	11475040	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.52	-24.38	421
4400615	61666340	MSB	EU	3	-	-	X	X	X	-	-	X	-	-	-	T	3004-3004	60.02	-29.83	1
4400621	61519840	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	55.66	-37.27	81
4400624	11341110	YSB	EU	714	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	43.24	-11.08	506
4400724	13300270	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	59.75	-21.34	676
4400725	11027170	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	20.16	-37.35	677
4400740	11883820	PSB	UP	673	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	26.69	-38.62	662
4400741	11688230	MSB	EU	706	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	36.52	-26.25	586
4400745	60899120	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	41.09	-47.77	141
4400747	61610060	MSB	EU	693	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	57.34	-38.14	127
4400765	11685410	MSB	EU	697	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	46.10	-25.16	398
4400767	11919510	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	24.61	-41.28	825
4400771	60507000	MSB	E2	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	58.17	-13.33	433
4400773	60211790	PSB	UP	711	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	38.28	-17.14	291
4400835	60218770	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	43.72	-50.80	58
4400836	60218680	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	43.80	-46.71	58
4400837	60209490	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	46.34	-39.75	58

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4400839	60205090	PSB	UP	664	-	-	X	X	X	-	-	X	-	-	-	T	0104-2804	40.93	-38.01	56
4400840	60208710	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.75	-33.71	57
4400846	60441290	DSB	UP	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.09	-39.32	95
4400847	60442280	DSB	UP	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	38.43	-39.81	95
4400848	60448280	DSB	UP	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.11	-45.15	94
4400849	60640340	DSB	UP	693	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	40.91	-54.83	96
4400863	60211690	PSB	UP	716	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	37.20	-38.08	289
4400868	11794230	MSB	E2	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	30.86	-33.91	358
4400869	11026040	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	27.07	-28.53	791
4400870	60210460	PSB	UP	652	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	34.66	-11.11	289
4400874	60213460	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.71	-7.75	289
4400875	11021610	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	30.12	-33.63	775
4400876	60648350	DSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.78	-44.06	95
4400877	60526170	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	43.59	-33.73	86
4400878	60528170	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.17	-37.51	86
4400879	60554620	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	49.30	-10.51	85
4400880	60656880	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.87	-52.26	87
6100690	11248990	YST	UA	532	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	42.26	38.05	162
6200507	11288550	DSB	UP	715	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	47.73	-5.51	367
6200508	10759040	DSB	UP	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.98	-2.04	365
6200514	60203700	MSB	E2	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	64.74	-13.01	433
6200516	11475100	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	35.66	-17.28	359
6200520	13611180	MSB	EU	717	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	23.33	-74.06	
6200534	11683400	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	56.31	-11.63	218
6200553	11165650	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.16	-3.60	403
6200680	11166640	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	62.72	-13.82	530
6200681	11168640	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	49.20	-44.84	531
6200687	11349100	YSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	70.38	-4.28	510
6200695	60408990	MSB	E2	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	37.82	-12.44	359
6200713	11246980	YSB	EU	706	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	28.64	-22.00	505
6200714	11240980	YSB	EU	715	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	29.25	-18.19	502
6200729	60207600	PSB	UP	685	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	48.74	-28.91	56
6300639	11471050	MSB	EU	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	69.20	42.54	538
6300640	60172710	MSB	EU	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	75.94	28.57	260
6300642	11548080	MSB	EU	706	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	69.32	1.80	682
6400516	11473100	MSB	EU	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	74.71	7.79	568
6400519	11547420	MSB	UP	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.05	7.40	362
6400520	11479040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	68.99	-4.04	355
6400521	11470030	MSB	EU	627	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	76.06	-1.13	353
6400525	60175710	MSB	EU	542	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	65.14	5.29	257
6400607	11479100	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	69.79	-4.97	539
6400611	11548420	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.69	-17.64	300
6400613	60174710	MSB	EU	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	66.01	0.57	242
6400614	60178700	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.94	-24.78	238
6400615	60173700	MSB	EU	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	65.47	2.58	173
6400616	60178710	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.95	-19.42	172
6400621	60170720	MSB	EU	702	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	64.94	-1.96	256
6400622	60172810	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	65.54	-8.86	258
6400623	11470040	MSB	EU	541	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	73.46	13.01	354
6400663	60175810	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	67.86	-16.96	156
6400664	60176710	MSB	EU	713	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	67.41	-17.80	156
6400665	60171710	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.42	-2.14	154
6400666	60179710	MSB	EU	578	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.20	2.67	154
6400667	61615060	MSB	EU	568	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.10	-34.36	126
6400668	60177860	MSB	EU	713	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.33	-1.31	130
6400669	60177710	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.98	-23.01	126
6400670	61513850	MSB	EU	699	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	64.36	-34.60	83
6400691	61514870	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	63.61	-26.91	82
6400692	60172720	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	62.80	-11.67	69
6400693	60173720	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.67	-20.72	63
6500592	11164650	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	56.73	-57.06	531

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2500622	11540110	MSB	EU	20140414	83.0	-1.0	588	Faded (empty batteries)
4400770	11798230	MSB	E2	20140417	50.6	-4.8	420	Faded (empty batteries)
4400850	60648340	DSB	UP	20140424	42.6	-34.3	95	AP failed
6400518	11472110	MSB	EU	20140423	79.4	3.2	568	AP failed - Rehabilitated on May 12th

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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
4400850	60648340	DSB	UP	720	-	-	S	S	X	-	-	X	-	-	-	T	0104-3004	42.64	-34.29	95
6400518	11472110	MSB	EU	541	-	-	S	S	X	-	-	X	-	-	-	T	0104-3004	79.40	3.18	568

Other operating drifting buoys into the EUCOS area of interest

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300600	43869	AOML		714	-	-	X	X	-	-	-	X	-	-	-	L	0104-3004	27.17	-68.32
1300633	109491	AOML		271	-	-	X	X	X	-	-	X	-	-	-	L	1804-3004	37.84	-29.93
1300659	11910180	UKMO		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	23.82	-35.45
1300660	11022040	UKMO		716	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	24.70	-48.54
1300662	11098800	UKMO		717	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	22.62	-27.53
1300664	11090810	UKMO		710	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	25.55	-28.93
2600535	971540	PSC		685	-	X	X	X	-	-	-	-	-	-	-	O	0104-3004	83.61	8.03
3100861	61212570	LOCE		603	-	-	X	X	X	-	-	X	-	-	X	T	1604-3004	2.87	-22.79
4100560	114550	AOML		713	-	-	X	-	-	-	-	X	-	-	-	L	0104-3004	40.44	-20.30
4100564	109221	AOML		158	-	-	X	-	X	-	-	X	-	-	-	L	2404-3004	39.22	-68.49
4100596	11473050	EUME		716	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	19.33	-49.53
4100632	11474050	EUME		716	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	20.59	-56.19
4100705	11596570	AOML		715	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	25.89	-46.09
4100706	11595580	AOML		717	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	18.30	-61.27
4100707	11590580	AOML		713	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	19.78	-55.23
4100708	11585510	AOML		718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	22.61	-65.64
4100709	11598570	AOML		718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	20.46	-65.30
4100711	11477030	EUME		716	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	22.92	-57.03
4100736	60216450	LOCE		1240	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	14.98	-49.59
4100737	60342390	CMM		582	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	25.61	-40.49
4100800	60547830	CMM		692	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	25.09	-41.10
4100929	101720	AOML		698	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	42.76	-40.76
4100936	109488	AOML		68	-	-	X	X	X	-	-	X	-	-	-	L	2704-3004	27.82	-69.93
4100938	109437	AOML		451	-	-	X	X	X	-	-	X	-	-	-	L	1104-3004	28.96	-66.79
4100957	101718	AOML		715	-	-	X	X	S	-	-	X	-	-	-	L	0104-3004	38.18	-43.24
4100958	101700	AOML		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	37.05	-37.51
4100999	114623	AOML		599	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	31.91	-49.49
4400514	126483	AOML		708	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	40.30	-45.46
4400516	114599	AOML		574	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	34.41	-59.39
4400554	126479	AOML		710	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	38.62	-37.41
4400558	123286	AOML		309	-	-	X	X	X	-	-	X	-	-	-	L	1504-3004	40.44	-66.37
4400690	11248370	EC		690	-	-	X	X	X	-	-	X	-	-	-	O	0104-3004	49.96	-34.47
4700564	11095250	EC		683	-	-	X	X	-	-	-	-	-	-	-	O	0104-3004	57.40	-42.71
4800520	46517	PSC		717	-	X	X	X	-	-	-	-	-	-	-	L	0104-3004	75.84	-19.44
6300545				6	-	-	X	X	X	-	-	X	-	-	-	O	3004-3004	89.19	-1.53
6300546				7	-	-	X	X	-	-	-	-	-	-	-	O	3004-3004	88.18	2.21

Abbreviations

WMO : WMO id.
 Argos : Argos id.
 Typ : Buoy type
 - first character : Manufacturer (C = ConMar , M = Metocean, P = Pacific Gyre
 T = Technocean, Y = Marlin-Yug...)
 - second character : Main type (F = FGGE, I = ICEB, S = SVP)
 - third character : Sub type (B = barometer buoy, W = Wind buoy,
 S = Salinity buoy)
 Ow : Buoy owner (country code or EU for EUCOS, E2 for HRSST-2 buoys, UP for upgraded
 buoys)
 Owner : Buoy owner for non EUCOS buoys
 Nobs : number of GTS reports received at Meteo-France
 Parameters (X = OK, S = stopped, - = not measured) :
 Wi : Wind
 AT : Air Temperature
 AP : Air Pressure
 dP : Air pressure tendency
 ST : Sea surface Temperature
 Wa : Wave period and height
 Ws : Wave spectra
 Dr : Drogue presence
 Sb : Subsurface temperature
 U : Relative humidity
 SS : Sea surface Salinity
 O : Origin of the reports (T = Argos Toulouse, L = Argos Largo, O = Other)
 Start_end : first and last dates of the month for which GTS data were received at Meteo-France
 Lat : Latitude of the latest position
 Lon : Longitude of the latest position
 Age : Age of the buoy (days)

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

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

MOORED BUOYS

K-pattern moored buoys have suffered dramatically from storms this winter. Many buoys stopped
 operating or went adrift.

Operating EGOS moored buoys (K-pattern and Hydrosphere)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
6100001	Cote d'Azur	511	X	X	X	X	X	X	-	-	-	X	-	T	0704-3004	43.40	7.80
6100002	Lion	717	X	X	X	X	X	X	-	-	-	X	-	T	0104-3004	42.10	4.70
6200001	Gascogne	720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	45.30	-5.00
6200029	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.70	-12.50
6200081	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-5.40
6200092	M3	718	X	X	X	-	X	X	-	-	-	X	X	O	0104-3004	51.20	-10.50
6200093	M4	716	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	54.70	-9.10
6200094	M5	718	S	X	X	-	X	-	-	-	-	-	-	O	0104-3004	51.70	-6.70
6200095	M6	345	X	X	X	X	X	X	-	-	-	X	-	O	1604-3004	53.10	-15.90
6200105	K4	719	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50

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6200163 Brittany	705	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	47.50	-8.40
6400045 K5	720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	59.10	-11.70
6400046 K7	525	X	X	X	-	X	X	-	-	-	X	-	O	0104-3004	60.70	-5.20

Comments:

- EUCOS moored buoys are presented in bold characters.

Operating EGOS moored buoys (Spanish SeaWatch and WaveScan)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300130	Gran Canaria	-	-	-	-	-	-	-	-	-	-	-	-	-		28.18	-15.82
1300131	Tenerife Sur	-	-	-	-	-	-	-	-	-	-	-	-	-		28.00	-16.58
6100196	C. Begur	-	-	-	-	-	-	-	-	-	-	-	-	-		41.92	3.65
6100197	Mahon	707	X	X	X	-	-	X	-	-	-	-	-	O	0104-3004	39.72	4.42
6100198	C. de Gata	710	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	36.57	-2.33
6100280	Tarragona	709	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	40.77	1.47
6100281	Valencia	708	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	39.47	-0.27
6100417	C. de Palos	709	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	37.65	-0.32
6100430	Dragonera	709	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	39.56	2.11
6200024	Bilbao-Visc.	713	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	43.63	-3.03
6200025	C. de Penas	623	X	X	X	-	X	X	-	-	-	-	X	O	0404-3004	43.73	-6.17
6200082	E. de Bares	-	-	-	-	-	-	-	-	-	-	-	-	-		44.13	-7.69
6200083	Villano-Sis.	710	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	43.48	-9.22
6200084 C. Silleiro	710	-	X	X	-	X	X	-	-	-	-	-	X	O	0104-3004	42.12	-9.43
6200085	G. de Cadiz	711	X	X	X	-	X	X	-	-	-	-	X	O	0104-3004	36.48	-6.97
6201030	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		1284	-	-	X	-	X	X	-	-	-	-	-	O	0204-3004	37.44	15.15
6100208		684	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	37.52	12.53
6100209		1372	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	38.26	13.33
6100210		725	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	39.02	17.22
6100211		1091	-	-	X	-	X	X	-	-	-	-	-	O	0404-3004	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-		40.62	9.89
6100213		1068	-	-	S	-	S	S	-	-	-	-	-	-	0104-2404	40.55	8.11
6100214		1310	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	40.87	12.95
6100215		1371	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	40.98	17.38
6100216		1264	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	42.24	11.55
6100218		17	-	-	S	-	S	S	-	-	-	-	-	-	0404-0504	43.83	13.72
6100219		1354	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	43.93	9.83
6100220		844	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	45.33	12.52
6100221		1375	-	-	X	-	X	X	-	-	-	-	-	O	0104-3004	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		185	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	37.60	23.60
6101002		-	-	-	-	-	-	-	-	-	-	-	-	-		37.00	22.10
6101003		197	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	40.00	24.70
6101004		-	-	-	-	-	-	-	-	-	-	-	-	-		39.10	25.80
6101005		-	-	-	-	-	-	-	-	-	-	-	-	-		37.50	25.50
6101006		-	-	-	-	-	-	-	-	-	-	-	-	-		36.30	25.50
6101007		188	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	35.80	24.90
6101008		169	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	36.80	21.60
6101009		-	-	-	-	-	-	-	-	-	-	-	-	-		38.00	20.60

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Other European moored buoys (operated by 3rd parties)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1200050	Cycofos	720	-	-	X	-	-	-	-	-	-	-	-	O	0104-3004	33.60	31.90
6100010	Italia-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.80	9.10
6200027	Jersey	236	X	-	X	-	-	X	-	-	-	-	-	O	0104-3004	49.08	-2.22
6200030	L4	644	X	X	X	-	X	-	-	-	-	X	-	O	0104-3004	50.25	-4.22
6200050	E1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.04	-4.37
6200086	NSB II	651	X	X	-	-	X	-	-	-	-	X	-	O	0104-3004	55.00	6.40
6200087	NSB III	715	X	X	S	-	X	-	-	-	-	X	-	O	0104-3004	54.70	6.80
6200303	Turbo Bank	714	X	X	-	-	-	-	-	-	-	X	-	O	0104-3004	51.60	-5.10
6200442	PAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.00	-16.50
6600021	Arkona Becken	708	X	X	-	-	X	-	-	-	-	-	-	O	0104-3004	54.90	13.90
6600022	Oder Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.10	14.20
6600024	Darsser Schwelle	570	X	X	-	-	X	S	-	-	-	-	-	O	0104-3004	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	-	488	-	X	-	-	X	-	-	-	-	X	-	L	0104-3004	11.49	-38.40
4100040	West Atlantic	707	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	14.50	-53.00
4100041	Mid. Atlantic	705	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	14.50	-46.00
4100043	Porto Rico	708	X	-	-	-	-	X	-	-	-	-	-	O	0104-3004	21.00	-65.00
4100044	-	711	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	21.70	-58.70
4100046	-	716	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	23.90	-70.90
4100047	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.50	-71.50
4100048	-	706	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	32.00	-69.60
4100049	-	709	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	27.50	-53.00
4100139	-	598	X	X	X	-	X	-	-	-	-	X	-	L	0104-3004	20.02	-37.86
4100300	Antilles	704	X	X	X	X	X	X	-	-	-	X	-	T	0104-3004	15.85	-57.47
4200059	Caraibes	514	S	S	S	S	S	S	-	-	-	-	-	-	0104-2204	15.00	-67.50
4400008	A Nantucket	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.50	-69.40
4400011	D Georges Bk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.10	-66.60
4400018	SE Cape Cod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.30	-69.30
4400024	NNE Channel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.30	-65.90
4400137	E Scotia Sl.	700	-	X	X	X	X	X	-	-	-	-	-	O	0104-3004	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.30	-53.60
4400139	Beanquereau	708	-	X	X	X	X	X	-	-	-	-	-	O	0104-3004	44.30	-57.10
4400140	Tail of Bk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.80	-51.70
4400141	Larentian F	710	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	43.00	-58.00
4400150	La Have Bk	702	X	-	X	X	X	X	-	-	-	-	-	O	0104-3004	42.50	-64.00

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Buoy-QC statistics from Meteo-France model outputs

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

Air Pressure (hPa), drifting buoys, April 2014

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20140430	2500618	60244420	518	0	0.0	0.6
20140430	2500619	60276270	541	0	-0.0	0.6
20140414	2500622	11540110	314	0	0.3	0.4
20140430	2500624	60247420	518	0	0.1	0.5
20140430	2500648	60370080	518	0	0.0	0.5
20140430	2500650	60378060	498	0	0.1	0.7
20140430	2500652	60176700	535	0	0.1	0.5
20140430	2600556	11549080	702	0	-0.1	0.5
20140430	4100969	60213780	720	0	-0.5	0.4
20140430	4100970	60213790	720	0	0.3	0.6
20140430	4100971	60215900	635	0	-0.1	0.4
20140430	4100972	60217780	720	0	0.1	0.3
20140430	4400546	11160640	720	0	-0.2	0.4
20140430	4400602	11468700	720	0	-0.1	0.6
20140430	4400605	11473110	699	0	-0.3	0.5
20140430	4400607	11474110	719	0	-0.2	0.5
20140430	4400610	61517860	720	0	0.3	0.7
20140430	4400612	61511880	719	0	-0.1	0.9
20140430	4400613	11475040	718	0	-0.3	0.5
20140430	4400621	61519840	720	0	0.3	0.8
20140430	4400624	11341110	714	0	-0.1	0.5
20140430	4400724	13300270	720	0	-0.6	0.5
20140430	4400725	11027170	719	0	0.1	0.4
20140430	4400740	11883820	673	0	-0.1	0.4
20140430	4400741	11688230	706	0	0.1	0.4
20140430	4400745	60899120	719	0	-0.0	0.8
20140430	4400747	61610060	693	0	-0.0	0.7
20140430	4400765	11685410	697	0	0.2	0.6
20140430	4400767	11919510	719	0	-0.0	0.4
20140417	4400770	11798230	392	0	0.3	0.6
20140430	4400771	60507000	720	0	-0.1	0.4
20140430	4400773	60211790	711	0	0.2	0.4
20140430	4400835	60218770	720	0	-0.3	0.7
20140430	4400836	60218680	720	0	-0.0	0.7
20140430	4400837	60209590	720	0	-0.3	0.5
20140428	4400839	60205090	664	0	-0.2	0.4
20140430	4400840	60208710	720	0	-0.0	0.4
20140430	4400846	60441290	719	0	0.2	0.4
20140430	4400847	60442280	718	0	0.2	0.4
20140430	4400848	60448280	719	0	0.2	0.5
20140430	4400849	60640340	693	0	0.2	0.6
20140424	4400850	60648340	565	3	1.2	1.4
20140430	4400876	60648350	720	0	0.5	0.4
20140430	4400863	60211690	716	0	-0.0	0.4
20140430	4400868	11794230	718	0	0.2	0.4
20140430	4400869	11026040	719	0	0.3	0.4
20140430	4400870	60210460	652	0	-0.1	0.5
20140430	4400874	60213460	720	0	0.2	0.5
20140430	4400875	11021610	720	12	0.3	1.7
20140430	4400876	60648350	720	0	0.5	0.4
20140430	4400877	60526170	720	0	-0.2	0.4
20140430	4400878	60528170	720	0	-0.1	0.5
20140430	4400879	60554620	720	0	-0.0	0.5
20140430	4400880	60556880	720	0	-0.2	0.9
20140430	6100690	11248990	532	0	0.2	0.6
20140430	6200507	11288550	715	0	0.2	0.4
20140430	6200508	10759040	719	0	0.5	0.5
20140430	6200514	60203700	720	0	-0.1	0.5
20140430	6200516	11475100	718	0	0.0	0.4
20140430	6200520	13611180	717	1	0.5	1.2
20140430	6200534	11683400	720	0	-0.3	0.4
20140430	6200553	11165650	720	0	0.1	0.5
20140430	6200680	11166640	720	0	-0.3	0.5

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20140430	6200681	11168640	720	0	-0.4	0.8
20140430	6200687	11349100	718	3	-0.0	0.9
20140430	6200695	60408990	720	0	-0.1	0.5
20140430	6200713	11246980	706	0	-0.1	0.4
20140430	6200714	11240980	715	0	-0.1	0.5
20140430	6200729	60207600	685	0	0.2	0.6
20140430	6300639	11471050	541	0	-0.4	0.5
20140430	6300640	60172710	541	2	-0.4	2.1
20140430	6300642	11548080	706	5	0.1	1.5
20140430	6400516	11473100	541	0	-0.4	1.5
20140423	6400518	11472110	377	12	-0.5	2.0
20140430	6400519	11547420	541	0	-0.9	0.5
20140430	6400520	11479040	720	0	-0.3	0.5
20140430	6400521	11470030	627	0	-0.2	0.9
20140430	6400525	60175710	542	0	-0.2	0.5
20140430	6400607	11479100	720	0	-0.1	0.4
20140430	6400611	11548420	720	0	-0.2	0.6
20140430	6400613	60174710	541	0	-0.0	0.5
20140430	6400614	60178700	720	0	-0.1	0.5
20140430	6400615	60173700	541	0	0.3	0.5
20140430	6400616	60178710	720	0	0.3	0.5
20140430	6400621	60170720	702	0	-0.0	0.5
20140430	6400622	60172810	720	0	-0.0	0.5
20140430	6400623	11470040	541	0	0.1	0.8
20140430	6400663	60175810	720	0	0.2	0.5
20140430	6400664	60176710	713	0	-0.2	0.5
20140430	6400665	60171710	539	0	0.2	0.6
20140430	6400666	60179710	578	0	0.1	0.5
20140430	6400667	61615060	568	0	0.0	0.8
20140430	6400668	60177860	713	0	0.1	0.5
20140430	6400669	60177710	720	0	0.1	0.4
20140430	6400670	61513850	699	0	0.3	0.6
20140430	6400691	61514870	720	0	0.3	0.7
20140430	6400692	60172720	720	0	0.2	0.5
20140430	6400693	60173720	720	0	0.2	0.4
20140430	6500592	11164650	720	2	-0.2	1.1

Air Pressure (hPa), moored buoys, April 2014

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20140430	1200050		720	0	0.1	0.5
20140430	6100001		511	0	-0.5	0.5
20140430	6100002		715	0	0.3	0.5
20140430	6100197		707	0	0.9	0.7
20140430	6100198		710	0	0.2	0.7
20140430	6100207		1284	0	0.4	0.7
20140430	6100208		684	0	-1.0	0.6
20140430	6100209		1372	0	-0.6	0.7
20140430	6100210		725	0	0.8	0.7
20140430	6100211		1091	0	0.4	0.6
20140424	6100213		1068	0	0.7	0.6
20140430	6100214		1310	0	-0.0	0.7
20140430	6100216		1264	0	0.3	0.6
20140405	6100218		17	0	1.1	0.4
20140430	6100219		1354	0	-0.5	0.6
20140430	6100220		844	0	-0.1	0.5
20140430	6100221		1375	0	-0.6	0.6
20140430	6100280		709	0	0.3	0.7
20140430	6100281		708	0	0.1	0.9
20140430	6100417		709	0	0.3	0.7
20140430	6100430		709	0	0.1	0.7
20140430	6101001		185	0	0.6	0.7
20140430	6101003		197	0	0.8	0.7
20140430	6101007		188	0	0.1	0.6
20140430	6101008		169	0	0.1	0.7
20140430	6200001		720	0	0.1	0.5
20140430	6200024		713	0	0.4	0.6
20140430	6200025		623	0	0.3	0.7
20140430	6200027		236	0	-0.1	0.5
20140430	6200030		644	0	-0.1	0.5
20140430	6200083		710	0	0.3	0.7
20140430	6200084		710	0	0.4	0.6
20140430	6200085		710	0	0.3	0.7
20140430	6200086		641	0	-0.1	0.6
20140430	6200092		718	1	-0.2	0.6

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20140430	6200093	716	1	-0.1	0.4
20140430	6200094	718	0	0.1	0.5
20140430	6200095	345	1	-0.0	0.7
20140430	6200105	719	0	0.1	0.4
20140430	6200163	705	0	0.2	0.5
20140430	6400045	720	0	0.2	0.4
20140430	6400046	525	0	0.3	0.6

Air Temperature (C), moored buoys, April 2014

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20140430	6100001		511	0	-0.1	0.9
20140430	6100002		715	0	-0.1	0.5
20140430	6100197		698	0	0.5	1.0
20140430	6100198		710	0	0.6	1.3
20140430	6100280		709	0	0.4	0.7
20140430	6100281		708	0	0.1	0.8
20140430	6100417		709	0	0.4	1.1
20140430	6100430		709	0	0.2	0.8
20140430	6101001		185	0	0.2	0.8
20140429	6101003		185	0	8.2	2.0
20140430	6101007		188	0	-0.2	0.9
20140430	6101008		169	0	-0.2	0.7
20140430	6200001		720	0	-0.3	0.5
20140430	6200024		708	0	0.5	0.9
20140430	6200025		623	0	0.3	0.9
20140430	6200030		645	0	-0.4	0.6
20140430	6200083		706	0	-0.2	0.4
20140430	6200084		709	0	0.2	0.7
20140430	6200085		709	0	0.0	0.7
20140430	6200086		651	1	-0.0	0.7
20140430	6200087		715	0	-0.0	0.5
20140430	6200092		718	0	0.1	0.5
20140430	6200093		716	0	0.0	0.4
20140430	6200094		718	0	1.1	0.8
20140430	6200095		341	0	-0.2	0.5
20140430	6200105		719	0	-0.0	0.6
20140430	6200163		682	0	-0.1	0.5
20140430	6200303		714	0	0.4	0.6
20140430	6400045		720	0	-0.1	0.5
20140430	6400046		525	0	0.1	0.6
20140430	6600021		708	0	0.2	0.7
20140430	6600024		569	0	0.3	1.0

Wind direction (deg.), moored buoys, April 2014

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20140430	6100001		511	57	-12	34
20140430	6100002		694	3	-7	20
20140430	6100197		704	25	-18	26
20140430	6100198		682	26	18	29
20140430	6100280		690	27	-5	32
20140430	6100281		680	74	4	36
20140430	6100417		690	19	-5	28
20140430	6100430		702	42	-14	30
20140430	6101001		184	27	6	45
20140430	6101003		197	27	7	45
20140430	6101007		188	15	-15	35
20140430	6101008		169	10	-0	30
20140430	6200001		720	8	-2	21
20140430	6200024		689	40	-6	27
20140430	6200025		569	29	3	31
20140430	6200027		208	11	-4	34
20140430	6200030		444	15	9	29
20140430	6200083		705	7	1	16
20140430	6200085		708	19	-10	25
20140430	6200086		654	220	85	66
20140430	6200087		716	280	-80	41
20140430	6200092		717	0	0	17
20140430	6200093		716	7	4	18
20140414	6200094		318	11	6	25
20140430	6200095		328	6	3	21
20140430	6200105		719	9	-2	18

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20140430	6200163	704	2	-6	13
20140430	6200303	712	16	3	24
20140430	6400045	720	7	1	14
20140430	6400046	525	3	8	15
20140430	6600021	702	7	-3	15
20140430	6600024	558	9	-5	16

Wind speed rate, moored buoys, April 2014

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20140430	6100001		511	0	1.4	1.6
20140430	6100002		694	0	1.1	1.7
20140430	6100197		704	1	1.1	1.7
20140430	6100198		682	0	0.8	1.9
20140430	6100280		690	2	1.3	1.9
20140430	6100281		680	0	1.2	2.0
20140430	6100417		690	0	0.9	1.7
20140430	6100430		702	0	1.2	1.9
20140430	6101001		184	0	1.6	2.2
20140430	6101003		197	0	1.1	2.1
20140430	6101007		188	0	0.0	50.8
20140430	6101008		169	0	0.9	1.6
20140430	6200001		720	0	1.0	1.4
20140430	6200024		689	0	1.0	1.7
20140430	6200025		569	0	0.7	2.3
20140430	6200027		208	0	1.0	1.4
20140430	6200030		444	0	1.0	1.5
20140430	6200083		705	0	0.8	1.5
20140430	6200085		708	0	0.9	1.8
20140430	6200086		650	160	1.0	1.9
20140430	6200087		716	16	0.0	0.0
20140430	6200092		717	0	0.9	1.4
20140430	6200093		716	0	0.9	1.3
20140414	6200094		318	0	0.8	2.9
20140430	6200095		324	0	1.0	1.4
20140430	6200105		719	0	1.1	1.3
20140430	6200163		704	0	1.0	1.2
20140430	6200303		712	0	1.0	1.4
20140430	6400045		720	0	1.1	1.5
20140430	6400046		525	0	1.0	1.3
20140430	6600021		702	0	1.1	1.4
20140430	6600024		558	0	1.1	1.3

Comments on QC statistics :

Air pressure

1. Metocean buoy WMO **4400875** temporarily reported wrong pressure data onto the GTS in April but not enough for having the transmission stopped for this parameter.
2. GTS data transmission of air pressure was stopped for DBI drifter WMO **4400850** and Metocean drifter WMO **6400518** after they were found dubious

Air temperature

3. GTS data transmission of air temperature was stopped for Greek Poseidon moored buoy WMO **6101003** on April 29th. They had been wrong for a while.

Wind

4. Greek Poseidon moored buoy WMO **6101007** continued to report abnormal calm winds.
5. German buoys NSB II and III, newly monitored here, reported dubious wind data in April. After the 8th of April, wind directions reported by buoy NSB II (WMO **6200086**) were often in the opposite direction they should have been. It seems this buoy also reported. NSB III (WMO **6200087**) has been reporting abnormal calm winds for a while.

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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.