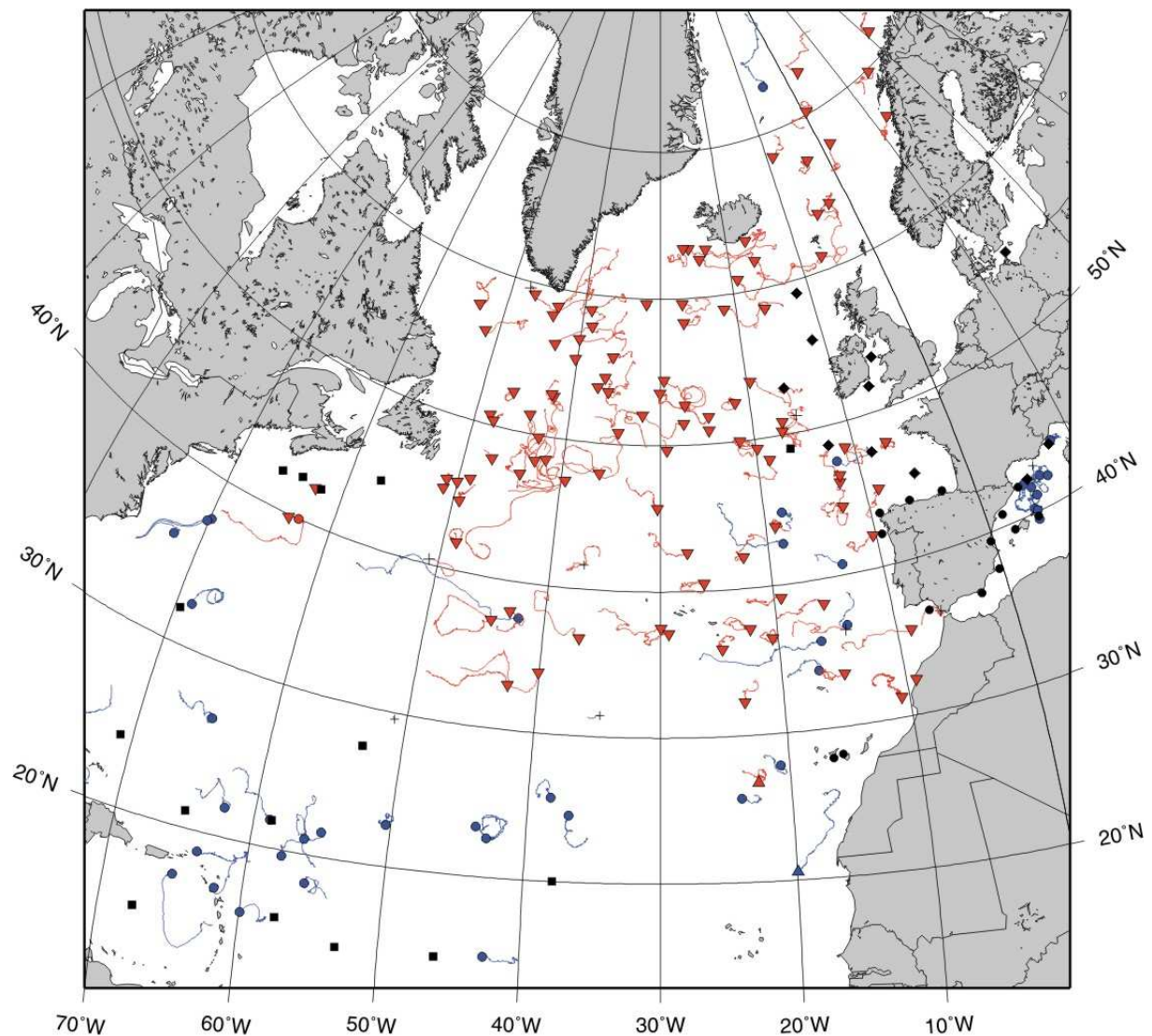
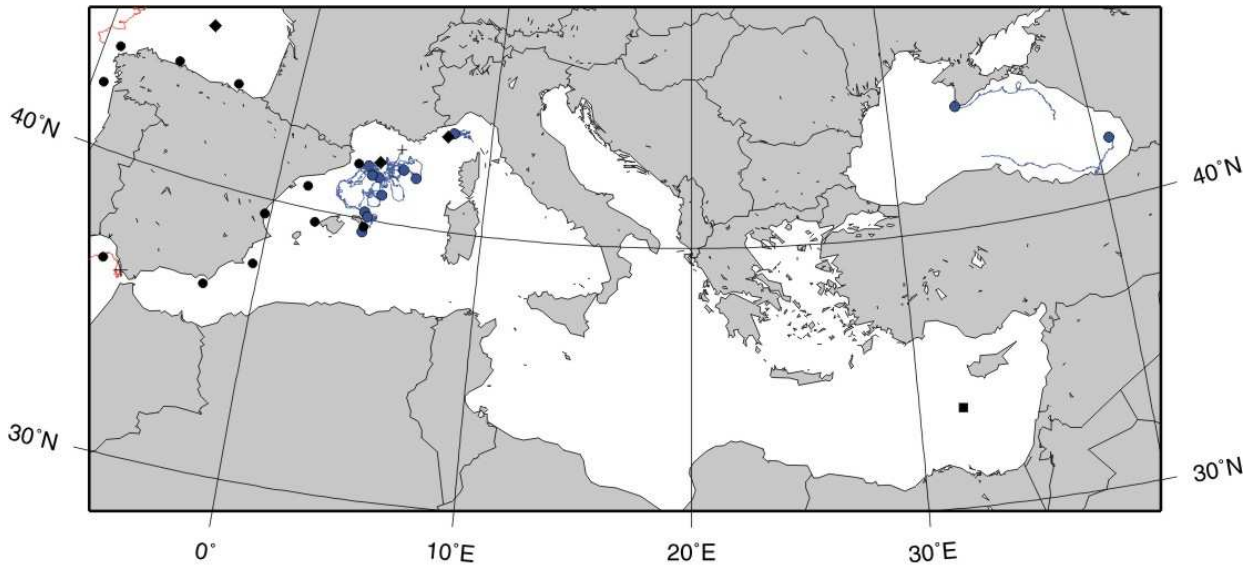


DATA BUOY MONTHLY REPORT

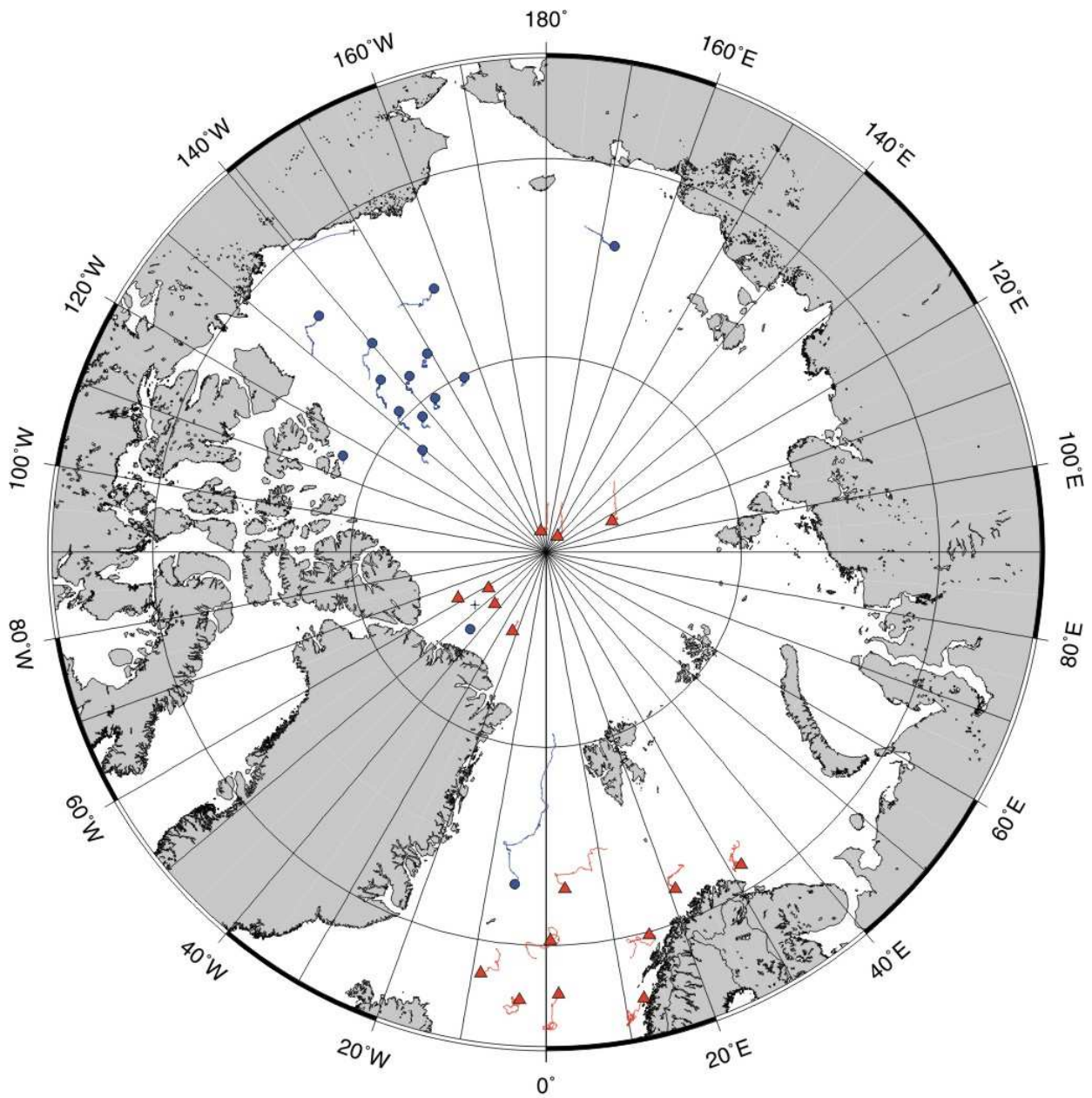
March 2013



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



March 2013 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions



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

DRIFTING BUOYS

Network status

By the end of March, **113 drifting buoys**, reporting air pressure or wind at least onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 84 were E-SURFMAR funded Iridium SVP-Bs, including 6 in the Arctic and 8 HRSST-2 buoys. These latter are fitted with accurate digital SST probes. The remaining buoys were: one ICEB buoy in the Arctic, 2 Argos and 24 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR, and 2 Iridium drifter operated by Environment Canada.

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, 42 drifting buoys were reporting at least air pressure or wind observations from the EUCOS area of interest. Out of these, 14 were reporting Sea Surface Salinity, some in the frame of Spurs/Strasse campaign (validation of SMOS and Aquarius remote SSS measurements) and 8 were operating in the frame of HyMeX in the Mediterranean Sea.

In addition to new deployments (see list here below), four buoys which reported wrong pressure values in winter, were rehabilitated in March. Their data have been sent back onto the GTS after they were found right. WMO Ids for these buoys are 4400603, 4400626, 4400627 and 4400873.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400546	11160640	MSB	EU	20130320	50.0	-47.8	Halifax	Reykjafoss
4400547	11163640	MSB	EU	20130320	51.0	-47.2	Halifax	Reykjafoss
4400548	11160660	MSB	EU	20130321	52.0	-46.7	Halifax	Reykjafoss
4400550	11545160	MSB	E2	20130320	49.0	-49.0	Halifax	Reykjafoss
4400602	11468700	MSB	UP	20130322	55.3	-40.0	Halifax	Reykjafoss
4400611	11471110	MSB	EU	20130306	46.1	-44.9	Fos-sur-Mer	Lisbon Express
4400613	11475040	MSB	EU	20130306	46.1	-48.0	Fos-sur-Mer	Lisbon Express
4400617	11474100	MSB	EU	20130307	46.1	-51.0	Fos-sur-Mer	Lisbon Express
4400683				20130327	42.2	-62.5	Halifax ?	Environment Canada
4400684				20130327	39.9	-63.9	Halifax ?	Environment Canada
4400763	11683410	MSB	EU	20130306	46.0	-41.9	Fos-sur-Mer	Lisbon Express
4400764	11688400	MSB	EU	20130329	46.2	-49.0	Southampton	OOCL Kashiung
4400765	11685410	MSB	EU	20130329	46.0	-50.0	Southampton	OOCL Kashiung
4400766	11682410	MSB	EU	20130329	45.8	-51.0	Southampton	OOCL Kashiung
6200553	11165650	MSB	EU	20130324	59.1	-32.0	Halifax	Reykjafoss
6200679	11684400	MSB	EU	20130326	50.5	-25.0	Southampton	OOCL Kashiung
6200694	11682240	MSB	EU	20130327	50.3	-30.1	Southampton	OOCL Kashiung

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
2500615	13409520	MIB	EU	743	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	84.90	-62.36	466
2500616	11549100	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	89.00	144.51	112
2500617	11540100	MSB	EU	741	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	88.89	-165.19	112
2500622	11540110	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	86.27	115.01	117
2600555	11545100	MSB	EU	742	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	85.58	-22.98	103
2600556	11549180	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	86.50	-58.06	98
2600557	11544090	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	86.25	-44.81	100
4400546	11160640	MSB	EU	274	-	-	X	X	X	-	-	X	-	-	-	T	2003-3103	50.67	-48.46	12
4400547	11163640	MSB	EU	250	-	-	X	X	X	-	-	X	-	-	-	T	2103-3103	50.34	-47.99	12
4400548	11160660	MSB	EU	250	-	-	X	X	X	-	-	X	-	-	-	T	2103-3103	52.53	-46.54	11
4400549	11025170	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	56.89	-40.13	420
4400550	11545160	MSB	E2	136	-	-	X	X	X	-	-	X	-	-	-	T	2503-3103	47.84	-47.21	12
4400551	11027150	MSB	EU	742	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	37.49	-29.95	420
4400602	11468700	MSB	UP	135	-	-	X	X	X	-	-	X	-	-	-	T	2503-3103	55.50	-40.24	10
4400603	11540410	MSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	54.46	-29.60	182

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6200694	11682240	MSB	EU	82	-	-	X	X	X	-	-	X	-	-	-	T	2803-3103	49.67	-29.32	5
6200697	11020160	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	35.55	-8.80	424
6200713	11246980	YSB	EU	732	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	35.96	-24.78	110
6200714	11240980	YSB	EU	736	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	37.12	-29.30	107
6300551	11547410	MSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	71.23	31.98	250
6300552	11548400	MSB	UP	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	72.79	3.19	249
6300635	11477140	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	69.84	15.06	172
6300638	11478130	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	68.37	-8.84	143
6300639	11471050	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	71.63	20.98	143
6400516	11473100	MSB	EU	745	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	70.22	0.57	173
6400518	11472110	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	63.71	-5.26	173
6400522	11029150	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	58.94	-39.09	419
6400523	11757730	MSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	66.84	12.38	307
6400524	10825640	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	59.26	-46.82	280
6400527	11549160	MSB	UP	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	56.00	-51.62	200
6400606	11478100	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	67.57	1.62	144
6400607	11479100	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	67.26	-3.40	144
6400619	11544440	MSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	63.39	-17.04	58
6400620	11756730	MSB	UP	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	58.79	-43.48	304
6400661	11543430	MSB	UP	692	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	63.25	-23.25	52
6500591	11887820	PSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	57.51	-53.34	252
6500592	11164650	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	57.84	-38.70	136

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400685	12762900	MSB	CA	20130311	40.3	-50.9	291	Failed or batteries quickly drained
6200555	11023170	MSB	EU	20130325	36.2	-6.1	385	Ashore in Spain
6200556	11021170	MSB	EU	20130314	36.4	-14.2	372	AP measurements failed
6200682	11541080	MSB	EU	20130314	51.1	-15.2	250	Failed for unknown reason
6200724	39074	TSB	UP	20130303	31.4	-34.8	673	Faded (batteries empty)
6400525	10824120	MSB	EU	20130309	59.6	-47.6	258	Batteries quickly drained

----- 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
4400687	12294040	MSB	CA	742	-	-	-	-	X	-	-	X	-	-	-	O	0103-3103	40.33	-36.14	309
4400725	11027170	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	50.25	-16.50	282
4400739	11023610	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	32.88	-28.85	416
4400835	89827	TSB	UP	559	-	-	-	-	X	-	-	X	-	-	-	L	0803-3103	78.75	2.24	930
4400865	11022610	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	47.51	-27.42	406
6200556	11021170	MSB	EU	744	-	-	S	S	X	-	-	X	-	-	-	T	0103-3103	36.39	-14.22	390
6300642	11548080	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	73.46	1.34	287

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

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300577	114638	LODY		1357	-	-	X	-	X	-	-	X	-	-	X	T	0103-3103	24.55	-36.89
1300600	43869	AOML		743	-	-	X	X	-	-	-	X	-	-	-	L	0103-3103	35.88	-16.42
1300621	44096	AOML		618	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	22.72	-50.37
1300659	11910180	UKMO		743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	33.94	-16.94
1300660	11022040	UKMO		744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	25.74	-23.82
1300661	11912280	UKMO		547	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	27.84	-20.70
2500637	101632	AOML		690	-	-	X	X	-	-	-	X	-	-	-	L	0303-3103	73.00	-5.45
3100739	11544480	CMM		748	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	10.86	-51.17
4100597	11542410	CMM		745	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	21.54	-55.00
4100599	11546410	CMM		744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	14.69	-42.58
4100600	11562040	CMM		743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	25.71	-38.30
4100601	11567080	CMM		384	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	18.23	-55.67
4100612	123247	AOML		744	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	32.46	-68.81
4100616	101618	AOML		744	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	37.58	-42.24
4100633	114634	LODY		1413	-	-	X	-	X	-	-	X	-	-	X	T	0103-3103	23.35	-43.74
4100634	114632	LODY		1435	-	-	X	-	X	-	-	X	-	-	X	T	0103-3103	22.63	-42.90
4100635	11544420	CMM		744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	17.22	-65.10

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4100636	11568080	CMM	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	16.95	-62.01
4100637	13801460	CMM	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	19.65	-57.59
4100638	10827640	CMM	743	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	15.82	-59.94
4100695	12724770	CMM	685	-	-	X	X	X	-	-	-	-	-	-	T	0103-3103	53.09	-20.58
4100733	36606	LODY	2571	-	-	X	-	X	-	-	X	-	-	X	T	0103-3103	18.83	-63.61
4100735	10729990	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	21.70	-58.82
4100738	11919170	UKMO	405	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	20.94	-56.14
4100739	11912120	UKMO	743	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	21.75	-62.24
4100945	93003	AOML	618	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	26.67	-64.67
4100960	93006	AOML	656	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	42.74	-18.56
4300508	101605	AOML	744	-	-	X	X	-	-	-	X	-	-	-	L	0103-3103	40.01	-62.99
6100523	10209530	CMM	736	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	40.96	5.01
6100524	10450430	CMM	708	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	41.91	4.17
6100525	10452500	CMM	692	-	-	X	X	X	-	-	X	-	-	X	T	0203-3103	40.26	4.34
6100527	10455570	CMM	731	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	41.57	4.75
6100529	49767	CMM	709	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	39.54	4.39
6100530	11549070	CMM	663	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	40.10	4.51
6100531	30674	CMM	643	X	X	-	-	X	-	-	-	-	-	-	T	0103-3103	41.98	5.88
6100532	30675	CMM	643	-	-	X	X	X	-	-	-	-	-	-	T	0103-3103	41.74	6.52
6100690	11249940	MARL	738	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	44.38	33.47
6100787	73224	AOML	803	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	43.57	8.07
6200501	11540090	CMM	185	-	-	X	X	-	-	-	X	-	-	X	T	0103-3103	40.73	-13.53
6200502	11758720	CMM	743	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	44.84	-18.28
6200503	11758700	CMM	744	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	47.53	-12.04
6200505	11120780	CMM	741	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	36.68	-14.04

----- 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

No data have been received from Greek moored buoys since the 1st of July 2012.

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	713	X	X	X	X	X	X	X	-	-	X	-	T	0103-3103	43.40	7.80
6100002	Lion	740	X	X	X	X	S	X	X	-	-	X	-	T	0103-3103	42.10	4.70
6200001	Gascogne	724	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	45.30	-5.00
6200029	K1	722	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	48.70	-12.50
6200081	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	744	X	X	X	-	X	-	-	-	-	X	X	O	0103-3103	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50
6200093	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.70	-9.10
6200094	M5	738	X	X	X	-	X	S	-	-	-	X	-	O	0103-3103	51.70	-6.70
6200095	M6	720	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	53.10	-15.90
6200105	K4	718	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	721	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	47.50	-8.40
6400045	K5	670	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	59.10	-11.70
6400046	K7	155	X	X	X	-	X	-	-	-	-	X	-	O	2503-3103	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	725	X	X	X	-	X	X	X	-	-	-	X	O	0103-3103	28.18	-15.82
1300131	Tenerife Sur	732	X	X	X	-	X	X	X	-	-	-	-	O	0103-3103	28.00	-16.58
6100196	C. Begur	744	X	X	X	-	-	S	-	-	-	-	-	O	0103-3103	41.92	3.65
6100197	Mahon	744	X	X	X	-	-	X	X	-	-	-	-	O	0103-3103	39.72	4.42
6100198	C. de Gata	744	X	X	X	-	-	X	X	-	-	-	-	O	0103-3103	36.57	-2.33
6100280	Tarragona	737	X	X	X	-	X	X	X	-	-	-	X	O	0103-3103	40.77	1.47
6100281	Valencia	726	X	X	X	-	X	X	X	-	-	-	X	O	0103-3103	39.47	-0.27
6100417	C. de Palos	741	X	X	X	-	X	X	X	-	-	-	X	O	0103-3103	37.65	-0.32
6100430	Dragonera	744	X	X	X	-	X	X	X	-	-	-	-	O	0103-3103	39.56	2.11
6200024	Bilbao-Visc.	230	X	X	X	-	X	X	X	-	-	-	X	O	2203-3103	43.63	-3.03
6200025	C. de Penas	742	X	S	X	-	X	X	X	-	-	-	X	O	0103-3103	43.73	-6.17
6200082	E. de Bares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.13	-7.69
6200083	Villano-Sis.	653	X	X	X	-	X	X	X	-	-	-	X	O	0303-3103	43.48	-9.22
6200084	C. Silleiro	623	X	X	X	-	X	X	X	-	-	-	X	O	0103-3103	42.12	-9.43
6200085	G. de Cadiz	741	X	X	X	-	X	X	X	-	-	-	X	O	0103-3103	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		758	-	-	-	-	X	X	-	-	-	-	-	O	0203-3103	37.44	15.15
6100208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.52	12.53
6100209		1452	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	38.26	13.33
6100210		-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.02	17.22
6100211		-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.62	9.89
6100213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.55	8.11
6100214		1294	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	40.87	12.95
6100215		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.98	17.38

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6100216		-	-	-	-	-	-	-	-	-	-	-	-	-	42.24	11.55
6100218	1481	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	43.83	13.72
6100219	1476	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	43.93	9.83
6100220	1225	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	45.33	12.52
6100221	1483	-	-	-	-	X	X	-	-	-	-	-	O	0103-3103	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		-	-	-	-	-	-	-	-	-	-	-	-			40.00	24.70
6101004		-	-	-	-	-	-	-	-	-	-	-	-			39.10	25.80
6101005		-	-	-	-	-	-	-	-	-	-	-	-			37.50	25.50
6101006		-	-	-	-	-	-	-	-	-	-	-	-			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	-	-	-	-	-	-	-	-	-	-	-	-			43.80	9.10
6200442	PAP	722	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	49.00	-16.40
6600021	Arkona Becken	739	X	X	-	-	X	S	-	-	-	-	-	O	0103-3103	54.90	13.90
6600022	Oder Bank	-	-	-	-	-	-	-	-	-	-	-	-			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		368	X	X	-	-	-	-	-	-	-	X	-	L	0103-3103	11.49	-38.40
4100040	West Atlantic	729	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	14.50	-53.00
4100041	Mid. Atlantic	729	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	14.50	-46.00
4100043	Porto Rico	734	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	21.00	-65.00
4100044		739	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	21.70	-58.70
4100046		743	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	23.90	-70.90
4100047		-	-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
4100048		731	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	32.00	-69.60
4100049		740	-	X	X	X	X	X	-	-	-	X	-	O	0103-3103	27.50	-53.00
4100139		379	X	X	X	-	X	-	-	-	-	X	-	L	0103-3103	20.02	-37.86
4100300	Antilles	730	X	X	X	X	X	X	-	-	-	X	-	T	0103-3103	15.85	-57.47
4200059	Caraibes	740	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	15.00	-67.50
4400008	A Nantucket	595	-	S	S	S	S	S	-	-	-	-	-		0103-2603	40.50	-69.40
4400011	D Georges Bk	-	-	-	-	-	-	-	-	-	-	-	-			41.10	-66.60
4400018	SE Cape Cod	-	-	-	-	-	-	-	-	-	-	-	-			41.30	-69.30
4400024	NNE Channel	729	X	X	X	-	X	X	-	-	-	-	-	O	0103-3103	42.30	-65.90
4400137	E Scotia Sl.	148	X	X	X	X	X	X	-	-	-	-	-	O	2503-3103	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-			44.30	-53.60
4400139	Beanguereau	703	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	44.30	-57.10
4400140	Tail of Bk	-	-	-	-	-	-	-	-	-	-	-	-			43.80	-51.70
4400141	Larentian F	-	-	-	-	-	-	-	-	-	-	-	-			43.00	-58.00
4400150	La Have Bk	715	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	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, March 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130331	2500615	13409520	717	0	-0.5	0.5
20130331	2500616	11549100	692	0	0.3	0.5
20130331	2500617	11540100	696	0	0.1	0.6
20130331	2500622	11540110	690	0	0.0	0.5
20130331	2600555	11545100	703	0	0.2	0.5
20130331	2600556	11549080	703	0	0.1	0.4
20130331	2600557	11544090	706	0	-0.1	0.4
20130331	4400546	11160640	274	0	-0.0	0.5
20130331	4400547	11163640	250	0	-0.2	0.5
20130331	4400548	11160660	250	0	0.0	0.4
20130331	4400549	11025170	743	1	0.3	0.9
20130331	4400550	11545160	136	0	-0.3	0.7
20130331	4400551	11027150	742	0	-0.3	0.7
20130331	4400602	11468700	135	0	0.0	0.6
20130331	4400603	11540410	586	0	-0.1	0.5
20130331	4400606	11687410	743	0	-0.0	0.5
20130331	4400611	11471110	586	0	0.0	0.5
20130331	4400613	11475040	584	0	-0.2	0.6
20130331	4400616	11813550	527	0	0.1	0.3
20130331	4400617	11474100	585	0	-0.1	0.5
20130331	4400620	11022170	744	0	-0.3	0.7
20130331	4400622	11881820	744	0	-0.0	0.5
20130331	4400623	11167640	744	0	0.4	0.6
20130331	4400624	11341110	739	0	-0.1	0.7
20130331	4400626	11814550	586	0	-0.1	0.5
20130331	4400627	11028170	585	0	0.1	0.4
20130331	4400629	11021160	744	0	-0.1	0.4
20130331	4400630	13015830	744	0	-0.2	0.5
20130331	4400683		105	0	-0.2	0.3
20130331	4400684		105	0	-0.5	0.4
20130311	4400685	12762900	243	0	0.1	0.7
20130331	4400721	13805460	745	4	-0.1	1.5
20130331	4400723	10825630	744	0	0.3	0.6
20130331	4400724	13300270	744	0	-0.2	0.4
20130331	4400726	11023190	744	0	-0.5	0.4
20130331	4400728	11020190	743	0	-0.0	0.4
20130331	4400730	11846540	743	41	-0.1	0.6
20130331	4400740	11883820	744	0	-0.1	0.5
20130331	4400741	11688230	743	0	0.0	0.5
20130331	4400744	13805450	741	4	-0.2	1.0
20130331	4400746	13357510	429	1	0.1	1.0
20130331	4400760	11880820	744	0	-0.1	0.5
20130331	4400761	11883770	744	0	0.0	0.3
20130331	4400762	11244970	740	0	0.0	0.7
20130331	4400763	11683410	609	0	-0.1	0.6
20130331	4400764	11688400	63	0	-0.1	0.4
20130331	4400765	11685410	61	0	-0.5	0.3
20130331	4400766	11682410	58	0	-0.2	0.4
20130331	4400767	11919510	743	0	0.1	0.8
20130331	4400768	11912520	744	0	0.2	0.5
20130331	4400770	11798230	740	0	0.1	0.6
20130331	4400771	60507000	743	0	-0.0	0.5
20130331	4400772	11544410	744	0	-0.1	0.4
20130331	4400774	11460700	744	0	-0.1	0.6
20130331	4400775	11540170	742	0	-0.3	0.4
20130331	4400777	11885820	744	0	0.2	0.4
20130331	4400778	11463700	744	0	-0.3	0.4
20130331	4400779	11885820	744	0	0.0	0.4
20130331	4400780	11880840	742	0	0.1	0.4
20130331	4400844	37533	743	0	0.2	0.4
20130331	4400864	13614150	744	0	0.0	0.5
20130331	4400866	11020180	744	0	0.2	0.7

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20130331	4400867	11022740	743	0	-0.2	0.5
20130331	4400869	11026040	744	0	-0.0	0.5
20130331	4400871	11025180	743	13	-0.0	1.4
20130331	4400872	11027700	742	0	0.4	0.6
20130331	4400873	11022600	586	0	0.2	0.4
20130331	4400875	11021610	742	0	0.6	0.8
20130331	4400885	39086	743	0	0.5	0.5
20130331	4800662	10822620	743	0	0.5	0.4
20130331	4800663	10822640	743	0	0.2	0.6
20130331	6200511	11026160	744	0	-0.3	0.7
20130331	6200514	60203700	742	0	0.1	0.4
20130331	6200515	11795230	740	0	-0.0	0.6
20130331	6200518	11024270	744	0	-0.8	0.5
20130331	6200520	13611180	743	0	-0.1	0.5
20130331	6200521	11688060	745	0	0.1	0.4
20130331	6200522	11680430	742	0	-0.2	0.5
20130331	6200531	11548410	744	0	0.1	0.4
20130331	6200532	11566230	745	0	-0.1	0.9
20130331	6200553	11165650	154	0	0.3	0.4
20130331	6200554	11027160	743	0	0.1	0.6
20130325	6200555	11023170	590	0	0.1	0.6
20130314	6200556	11021170	326	59	-1.0	2.8
20130331	6200557	11028160	742	51	-0.2	1.8
20130331	6200677	11022050	323	0	0.4	0.4
20130331	6200678	11029050	744	0	0.1	0.4
20130331	6200679	11684400	106	0	-0.3	0.3
20130331	6200680	11166640	744	0	0.0	0.4
20130331	6200681	11168640	744	0	0.2	0.5
20130306	6200682	11541080	48	0	-0.3	0.2
20130331	6200684	11882820	744	0	-0.1	0.4
20130331	6200685	11461700	744	0	-0.2	0.4
20130331	6200686	11845450	744	0	0.2	0.6
20130331	6200687	11349100	742	0	0.1	0.4
20130331	6200694	11682240	82	0	-0.1	0.4
20130331	6200697	12291040	744	0	-0.2	0.7
20130331	6200713	11246980	732	0	-0.0	0.5
20130331	6200714	11240980	736	0	0.1	0.5
20130331	6300551	11547410	744	41	-0.1	1.7
20130331	6300552	11548400	741	0	-0.4	1.0
20130331	6300635	11477140	744	0	-0.2	0.5
20130331	6300638	11478130	743	1	-0.1	1.0
20130331	6300639	11471050	743	0	-0.2	0.6
20130331	6400516	11473100	745	0	-0.2	0.4
20130331	6400518	11472110	743	0	-0.1	0.4
20130331	6400522	11029150	744	0	0.2	0.7
20130331	6400523	11757730	744	6	-0.2	0.7
20130331	6400524	10825640	743	0	0.9	0.9
20130309	6400525	10824120	185	0	-0.2	0.8
20130331	6400527	11549160	743	0	0.1	0.5
20130331	6400606	11478100	744	0	-0.2	0.7
20130331	6400607	11479100	744	0	-0.1	0.5
20130331	6400619	11544440	744	0	-0.3	0.4
20130331	6400620	11756730	743	0	0.5	0.9
20130331	6400661	11543430	692	0	-0.1	0.7
20130331	6500591	11887820	744	0	0.2	0.5
20130331	6500592	11164650	743	0	0.0	0.5

Air Pressure (hPa), moored buoys, March 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130331	1300130		725	0	0.6	0.7
20130331	1300131		732	0	0.1	0.8
20130331	6100001		707	0	-0.1	0.5
20130331	6100002		740	0	-0.5	0.6
20130331	6100196		744	0	0.4	0.7
20130331	6100197		744	0	0.5	0.7
20130331	6100198		744	0	0.5	0.8
20130331	6100280		737	0	0.2	0.8
20130331	6100281		726	0	0.1	0.8
20130331	6100417		741	0	0.3	0.7
20130331	6100430		744	0	-0.4	0.7
20130331	6200001		724	0	0.1	0.5
20130331	6200024		230	0	0.4	0.7
20130331	6200025		742	0	0.4	0.7

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20130331	6200029	722	0	0.1	0.4
20130331	6200083	652	0	0.2	0.7
20130331	6200084	623	0	0.7	0.8
20130331	6200085	741	0	0.2	0.7
20130331	6200091	744	1	0.1	0.4
20130331	6200094	738	3	-0.4	0.4
20130331	6200095	719	4	0.1	0.7
20130331	6200105	718	0	0.2	0.4
20130331	6200163	721	0	0.2	0.5
20130331	6400045	670	0	0.1	0.5
20130331	6400046	248	11	2.3	3.0

Air Temperature (C), moored buoys, March 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130331	1300130		725	0	-0.8	0.5
20130331	1300131		731	0	-0.2	1.1
20130331	6100001		713	0	-1.4	0.6
20130331	6100002		740	0	-0.3	0.7
20130331	6100196		742	0	0.0	0.6
20130331	6100197		737	0	0.5	0.7
20130331	6100198		744	0	-0.4	0.5
20130331	6100280		735	0	0.2	0.7
20130331	6100281		726	0	-0.2	0.9
20130331	6100417		741	0	-0.2	0.6
20130331	6100430		744	0	0.2	0.6
20130331	6200001		724	0	-0.4	0.5
20130331	6200024		230	0	0.1	0.5
20130328	6200025		664	0	-0.8	0.8
20130331	6200029		722	0	-0.4	0.6
20130331	6200083		652	0	-0.4	0.6
20130331	6200084		616	0	-0.4	0.5
20130331	6200085		741	0	-0.3	0.6
20130331	6200091		744	0	-0.2	0.4
20130331	6200094		738	0	0.1	0.7
20130331	6200095		713	1	-0.4	0.7
20130331	6200105		718	0	-0.3	0.7
20130331	6200163		721	0	-0.6	0.6
20130331	6400045		668	1	-0.4	0.9
20130331	6400046		155	0	-0.1	0.5
20130331	6600021		735	0	-0.2	0.6

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130331	1300130		721	61	3	35
20130331	1300131		732	109	5	38
20130331	6100001		705	44	0	28
20130331	6100002		739	16	-5	23
20130304	6100196		79	10	-125	34
20130331	6100197		743	29	-16	21
20130331	6100198		739	24	-6	22
20130331	6100280		726	32	-5	28
20130331	6100281		717	31	-3	30
20130331	6100417		31	1	-9	45
20130331	6100430		741	7	-15	24
20130331	6200001		724	6	-2	19
20130331	6200024		223	7	3	28
20130331	6200025		732	31	-10	30
20130331	6200029		722	3	-4	15
20130331	6200083		644	29	-3	24
20130331	6200084		621	7	8	19
20130331	6200085		738	2	-3	16
20130331	6200091		744	6	3	18
20130331	6200094		738	1	3	13
20130331	6200095		717	6	0	14
20130331	6200105		718	0	-4	15
20130331	6200163		720	3	-4	15
20130331	6400045		667	5	-4	15
20130331	6400046		248	101	17	31
20130331	6600021		735	1	-0	12

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Wind speed rate, moored buoys, March 2013

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20130331	1300130		721	1	1.3	1.8
20130331	1300131		732	7	1.4	2.0
20130331	6100001		705	0	1.4	2.7
20130331	6100002		739	0	1.0	1.9
20130304	6100196		79	36	1.0	1.3
20130331	6100197		743	3	0.9	1.8
20130331	6100198		739	0	0.9	2.6
20130331	6100280		726	1	1.1	1.9
20130331	6100281		717	0	1.2	2.7
20130331	6100417		31	0	1.2	2.2
20130331	6100430		741	1	0.9	2.1
20130331	6200001		724	0	1.0	1.6
20130331	6200024		223	0	1.1	1.4
20130331	6200025		732	0	0.9	2.2
20130331	6200029		722	0	1.0	1.2
20130331	6200083		644	0	0.9	1.9
20130331	6200084		621	1	0.9	1.6
20130331	6200085		738	0	0.9	1.6
20130331	6200091		744	0	1.0	1.3
20130331	6200094		738	1	1.0	1.3
20130331	6200095		711	0	1.0	1.4
20130331	6200105		718	0	1.0	1.4
20130331	6200163		720	0	1.0	1.4
20130331	6400045		667	1	1.0	1.5
20130331	6400046		155	0	1.5	1.4
20130331	6600021		735	1	1.1	1.4

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoys WMO **6200556**, **6200557** and **6300551** reported many wrong pressure values onto the GTS before the transmission was stopped for this parameter (on April 2nd for the two latest).
2. Metocean Iridium buoys WMO **4400721**, **4400730** and **4400871** reported some wrong pressure values onto the GTS but measurements became right later.
3. Positions of K7 moored buoy (WMO **6400046**) were wrong after its data appeared back onto the GTS in March. This explains why several gross errors appeared. The problem was quickly fixed.

Air temperature

4. According to French weather model analysis, air temperature values reported by Côte d'Azur moored buoy (WMO **6100001**) seem 1.4 °C too low. However, ECMWF and UKMO analysis do not show such a bias.

Wind

5. Wind directions reported by Spanish buoy WMO **6100196** became dubious at the end of February. The GTS transmission was stopped for wind data on March.
6. Wind directions reported by Spanish buoy WMO **1300131** appeared more scattered than usual in March.

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.