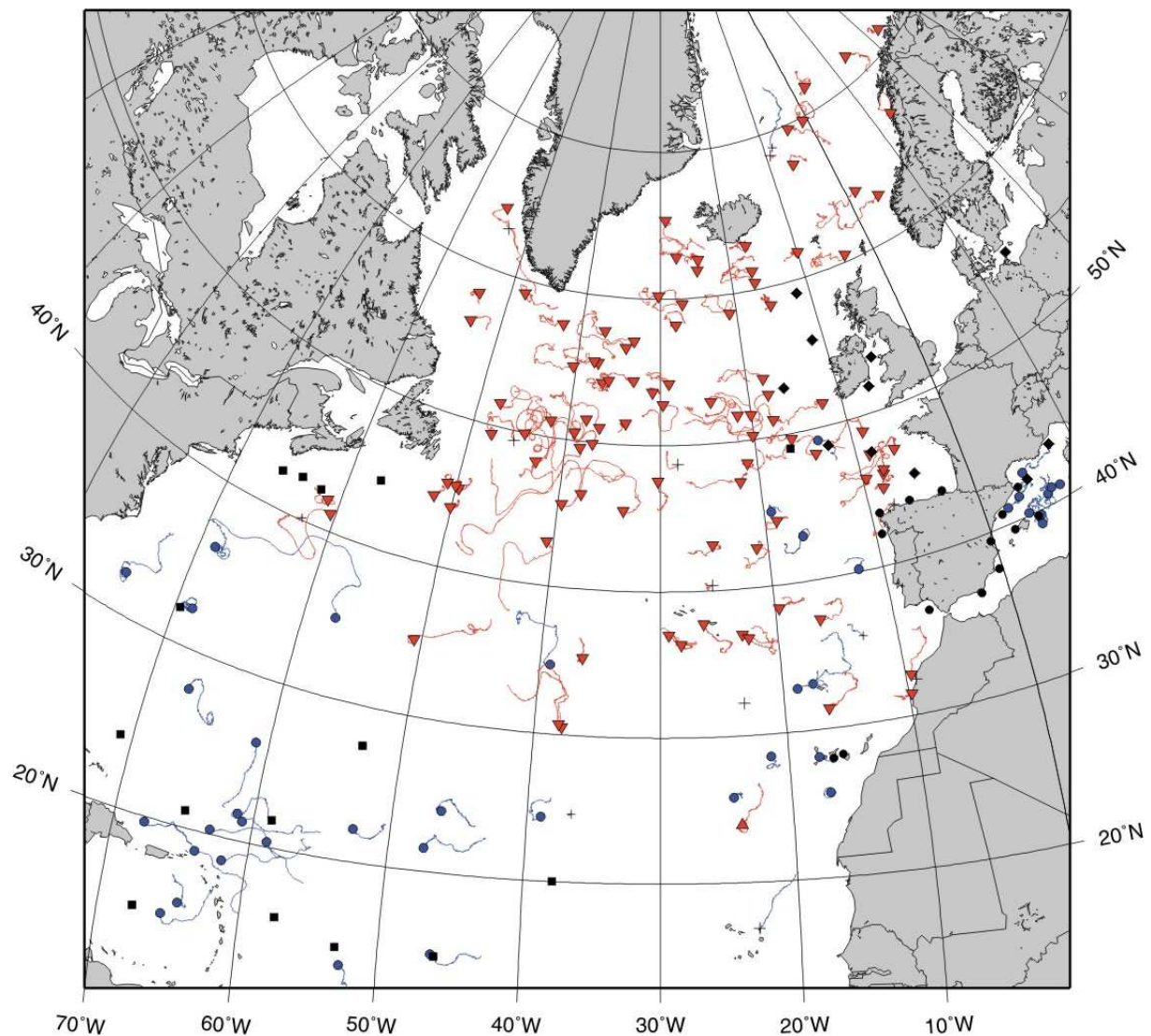
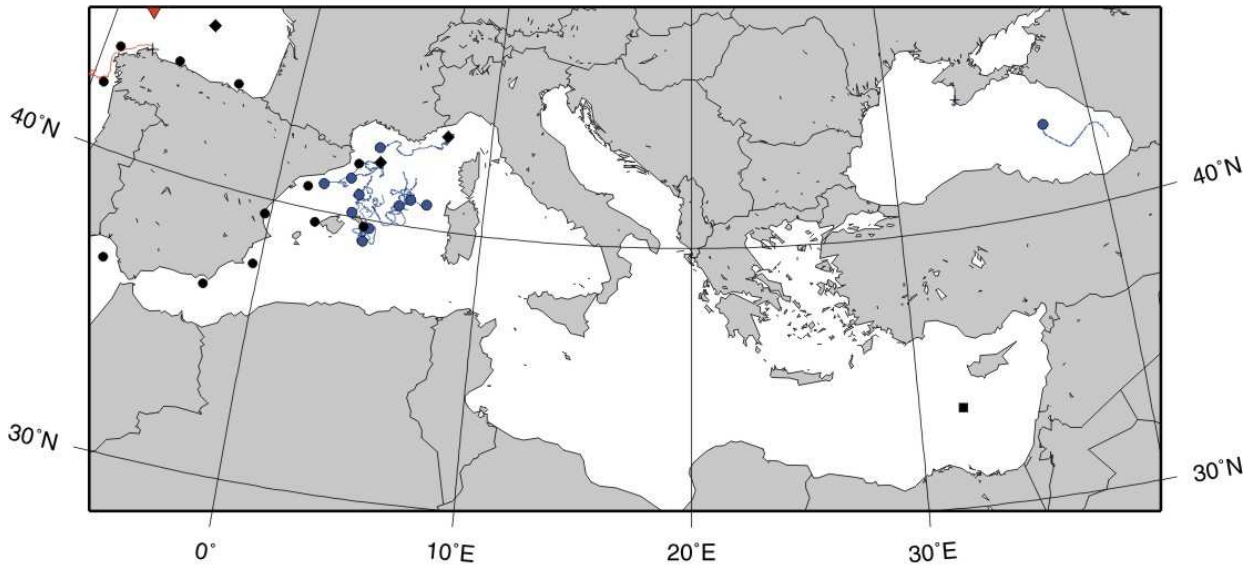


DATA BUOY MONTHLY REPORT

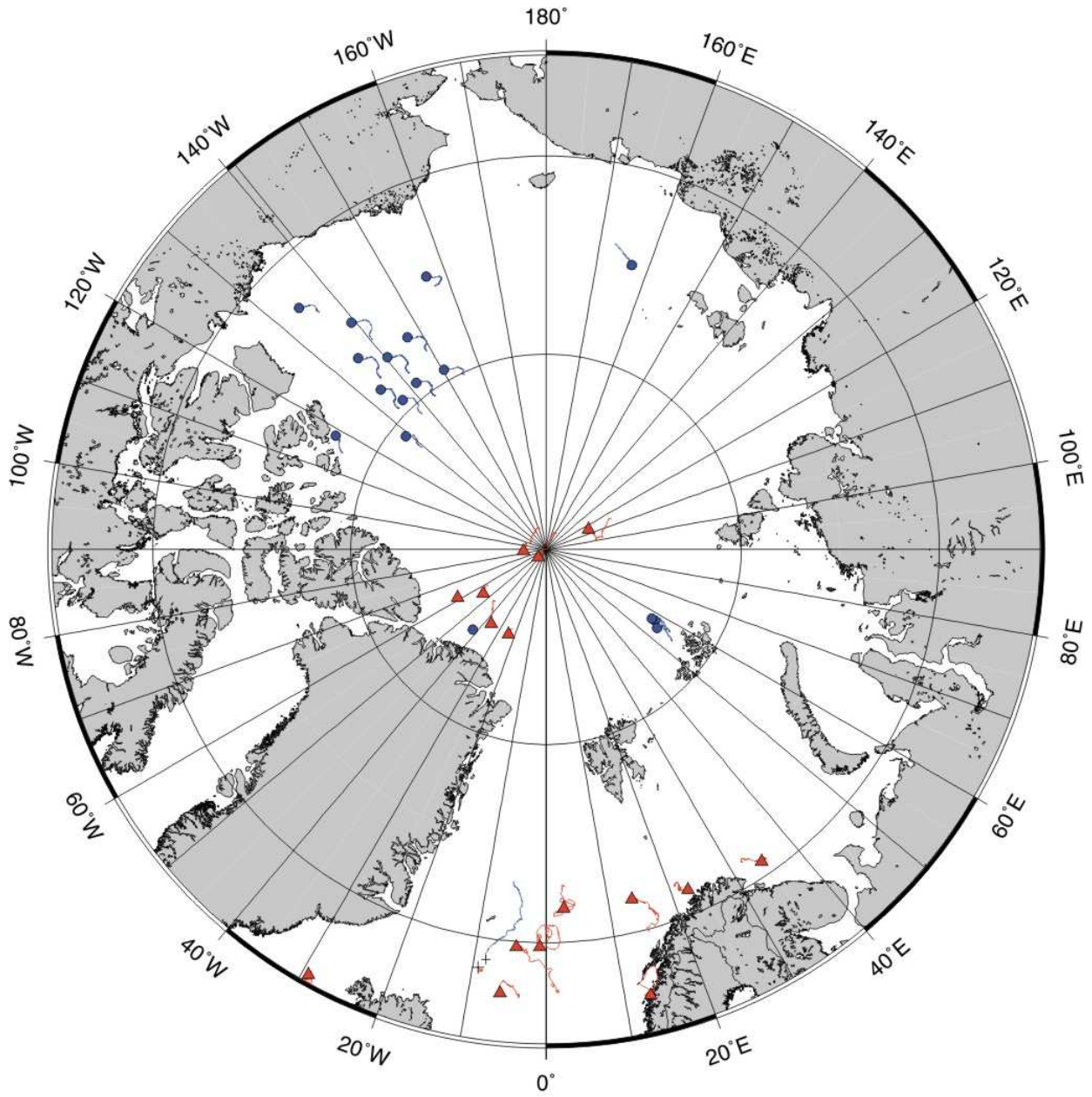
April 2013



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



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



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

DRIFTING BUOYS

Network status

By the end of April, **109 drifting buoys**, reporting air pressure or wind at least onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 79 were E-SURFMAR funded Iridium SVP-Bs, including 5 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, one Argos and 26 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, 43 drifting buoys were reporting at least air pressure or wind observations from the EUCOS area of interest. Out of these, 11 were reporting Sea Surface Salinity, some in the frame of Spurs/Strasse campaign (validation of SMOS and Aquarius remote SSS measurements) and 10 were operating in the frame of HyMeX in the Mediterranean Sea.

In addition to a new deployment (see here below), five buoys which reported wrong pressure values in winter, were rehabilitated in April. Their data have been sent back onto the GTS after they were found right. WMO Ids for these buoys are 4400865, 6200556, 6200557, 6200685 and 6300554.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
6400608	11546430	MSB	UP	20130406	61.3	-12.0	Rotterdam	Bruarfoss

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	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	84.82	-61.41	496
2500616	11549100	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	89.41	-44.96	142
2500617	11540100	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	88.83	-86.11	142
2500622	11540110	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	87.60	115.23	147
2600556	11549180	MSB	EU	721	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	86.07	-55.00	128
2600557	11544090	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	85.25	-36.53	130
4400546	11160640	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	49.43	-47.87	42
4400548	11160660	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	51.58	-47.71	41
4400549	11025170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	55.44	-37.47	450
4400550	11545160	MSB	E2	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	48.23	-42.79	42
4400551	11027150	MSB	EU	717	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	37.02	-29.27	450
4400602	11468700	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	55.53	-37.96	40
4400603	11540410	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	54.20	-29.04	212
4400606	11687410	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	35.34	-36.53	208
4400611	11471110	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	51.51	-38.12	56
4400613	11475040	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.03	-50.09	56
4400616	11813550	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	59.63	-27.07	464
4400617	11474100	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.49	-51.89	55
4400620	11022170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	36.89	-23.02	449
4400622	11881820	PSB	UP	712	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	34.97	-50.63	296
4400623	11167640	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	51.77	-21.51	168
4400624	11341110	YSB	EU	712	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.62	-39.68	141
4400626	11814550	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	45.91	-7.89	390
4400627	11028170	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	51.56	-12.10	390
4400629	11021160	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	46.20	-7.75	390
4400630	13015830	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	44.34	-18.91	335
4400683	12366460	MSB	CA	719	-	-	X	X	X	-	-	X	-	-	-	O	0104-3004	41.87	-61.15	39
4400684	12297120	MSB	CA	720	-	-	X	X	X	-	-	X	-	-	-	O	0104-3004	41.11	-60.47	37

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6400620	11756730	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	59.13	-48.13	334
6400661	11543430	MSB	UP	709	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	61.86	-24.71	82
6500591	11887820	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	58.19	-53.85	282
6500592	11164650	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	57.65	-37.00	166

**E-SURFMAR DB Monthly Report
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Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2600555	11545100	MSB	EU	20130408	85.2	-24.0	111	Unknown
4400547	11163640	MSB	EU	201304	49.3	-45.4	42	Unknown: all measurements failed
4400744	13805450	MSB	EU	20130410	40.4	-25.3	490	Faded
4400768	11912520	MSB	EU	20130420	43.8	-7.7	451	Ashore in Spain
4400885	39086	TSB	UP	20130417	16.8	-22.9	720	Ashore in Cape Verde Is.
6200518	11024270	MSB	EU	20130412	32.3	-9.2	430	Ashore in Morocco
6200677	11022050	MSB	EU	20130401	32.2	-23.2	418	Faded
6200694	11682240	MSB	EU	20130413	48.7	-28.2	18	Unknown
6300638	11478130	MSB	EU	20130412	68.5	-9.3	155	Unknown
6400525	10824120	MSB	EU	20130420	62.9	-53.2	300	Was already declared dead last month

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
4400547	11163640	MSB	EU	709	-	-	S	X	S	-	-	X	-	-	-	T	0104-3004	49.33	-45.41	42
4400725	11027170	MSB	EU	720	-	-	-	-	X	-	-	X	-	-	-	T	0104-3004	48.64	-15.15	312
6300642	11548080	MSB	EU	718	-	-	-	-	X	-	-	X	-	-	-	T	0104-3004	71.60	4.04	317

Non-operating drifting buoys which ceased to emit

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400687	12294040	MSB	CA	20130411	39.7	-33.7	320	Unknown
4400739	11023610	MSB	EU	20130418	32.2	-26.7	434	Faded

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
1300600	43869	AOML		717	-	-	X	X	-	-	-	X	-	-	-	L	0104-3004	33.09	-17.55
1300621	44096	AOML		565	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	22.12	-52.72
1300659	11910180	UKMO		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	32.87	-18.84
1300660	11022040	UKMO		719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	25.82	-24.43
1300661	11912280	UKMO		613	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	28.48	-21.40
1300662	11098800	UKMO		371	-	-	X	X	X	-	-	X	-	-	-	T	1504-3004	28.18	-17.69
1300664	11090810	UKMO		371	-	-	X	X	X	-	-	X	-	-	-	T	1504-3004	25.72	-17.06
3100739	11544080	CMM		714	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	13.37	-52.64
4100559	109235	AOML		706	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	34.99	-57.39
4100562	114558	AOML		708	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	36.15	-68.71
4100597	11542410	CMM		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	21.20	-60.79
4100599	11546410	CMM		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	14.62	-46.25
4100600	11522040	CMM		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	24.36	-38.96
4100601	11567080	CMM		365	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	18.66	-61.81
4100612	123247	AOML		718	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	32.23	-68.66
4100616	101618	AOML		720	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	34.72	-39.13
4100633	114634	LODY		1372	-	-	X	-	X	-	-	X	-	-	X	T	0104-3004	24.10	-46.41
4100634	114632	LODY		1366	-	-	X	-	X	-	-	X	-	-	X	T	0104-3004	21.54	-47.40
4100635	11544420	CMM		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	15.67	-64.40
4100636	11568080	CMM		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	14.88	-65.47
4100637	13801460	CMM		719	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	20.26	-63.01
4100638	10827640	CMM		720	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	18.83	-63.80
4100695	12724770	CMM		562	-	-	X	X	X	-	-	-	-	-	-	T	0104-3004	53.04	-19.08
4100733	36606	LODY		1533	-	-	X	-	X	-	-	X	-	-	X	T	0104-3004	19.69	-67.76
4100735	10729990	CMM		719	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	21.61	-61.24
4100738	11919170	UKMO		427	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	20.31	-58.79
4100739	11912120	UKMO		720	-	-	X	X	-	-	-	X	-	-	-	T	0104-3004	26.05	-61.02
4100945	93003	AOML		574	-	-	X	X	X	-	-	X	-	-	-	L	0104-3004	27.82	-66.97
4100960	93006	AOML		621	-	-	X	-	X	-	-	X	-	-	-	L	0104-3004	43.03	-16.66
6100523	10209530	CMM		714	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	40.69	5.92

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6100524	10450430	CMM	695	-	-	X	X	X	-	-	X	-	-	S	T	0104-3004	40.97	2.18
6100525	10452500	CMM	650	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	39.72	4.69
6100527	10455570	CMM	714	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	41.35	3.43
6100529	49767	CMM	696	-	-	X	X	X	-	-	X	-	-	-	T	0104-3004	39.21	4.50
6100530	11549070	CMM	721	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	40.15	3.74
6100531	30674	CMM	625	X	X	-	-	X	-	-	-	-	-	-	T	0104-3004	40.86	7.23
6100532	30675	CMM	628	-	-	X	X	X	-	-	-	-	-	-	T	0104-3004	40.96	6.44
6100689	11248940	MARL	644	-	-	X	X	-	-	-	X	-	-	-	T	0304-3004	43.14	37.65
6100787	73224	AOML	793	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	42.62	4.53
6200501	11540090	CMM	228	-	-	X	X	-	-	-	X	-	-	X	T	0104-3004	40.20	-12.17
6200502	11758720	CMM	720	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	44.99	-19.30
6200503	11758700	CMM	720	-	-	X	X	X	-	-	X	-	-	X	T	0104-3004	49.17	-13.44
6200507	11288550	CMM	11	-	-	X	X	X	-	-	X	-	-	-	T	3004-3004	47.42	-8.67

----- 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	714	X	X	X	X	X	X	X	-	-	X	-	T	0104-3004	43.40	7.80
6100002	Lion	720	X	X	X	X	-	X	X	-	-	X	-	T	0104-3004	42.10	4.70
6200001	Gascogne	720	X	X	X	X	X	X	X	-	-	X	-	O	0104-3004	45.30	-5.00
6200029	K1	718	X	X	X	X	X	X	X	-	-	X	-	O	0104-3004	48.70	-12.50
6200081	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	718	X	X	X	-	X	-	-	-	-	X	X	O	0104-3004	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50
6200093	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.70	-9.10
6200094	M5	718	X	X	X	-	X	-	-	-	-	X	-	O	0104-3004	51.70	-6.70
6200095	M6	720	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	53.10	-15.90
6200105	K4	717	X	X	X	X	X	X	X	-	-	X	-	O	0104-3004	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	719	X	X	X	X	X	X	X	-	-	X	-	O	0104-3004	47.50	-8.40
6400045	K5	692	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	59.10	-11.70
6400046	K7	720	X	X	X	-	S	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	707	X	X	X	-	X	X	X	-	-	-	-	O	0104-3004	28.18	-15.82
1300131	Tenerife Sur	706	X	X	X	-	S	X	X	-	-	-	-	O	0104-3004	28.00	-16.58
6100196	C. Begur	720	X	X	X	-	-	-	-	-	-	-	-	O	0104-3004	41.92	3.65
6100197	Mahon	675	X	X	X	-	-	X	X	-	-	-	-	O	0104-2904	39.72	4.42
6100198	C. de Gata	720	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	36.57	-2.33
6100280	Tarragona	716	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	40.77	1.47
6100281	Valencia	716	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	39.47	-0.27
6100417	C. de Palos	720	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	37.65	-0.32
6100430	Dragonera	720	X	X	X	-	X	X	X	-	-	-	-	O	0104-3004	39.56	2.11
6200024	Bilbao-Visc.	720	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	43.63	-3.03
6200025	C. de Penas	720	X	-	X	-	X	X	X	-	-	-	X	O	0104-3004	43.73	-6.17
6200082	E. de Bares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.13	-7.69
6200083	Villano-Sis.	721	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	43.48	-9.22
6200084	C. Silleiro	720	X	X	X	-	X	X	X	-	-	-	X	O	0104-3004	42.12	-9.43
6200085	G. de Cadiz	718	X	X	X	-	X	X	X	-	-	-	S	O	0104-3004	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		482	-	-	-	-	X	X	-	-	-	-	-	O	0104-2904	37.44	15.15
6100208		-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.52	12.53
6100209		1411	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	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		1423	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	40.87	12.95
6100215		320	-	-	-	-	X	X	-	-	-	-	-	O	2404-3004	40.98	17.38

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6100216	987	-	-	-	-	X	X	-	-	-	-	-	O	0804-3004	42.24	11.55
6100218	1292	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	43.83	13.72
6100219	1408	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	43.93	9.83
6100220	1132	-	-	-	-	X	X	-	-	-	-	-	O	0104-3004	45.33	12.52
6100221	1374	-	-	-	-	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		-	-	-	-	-	-	-	-	-	-	-	-			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	592	S	S	S	S	S	-	-	-	-	S	-		0104-2504	49.00	-16.40
6600021	Arkona Becken	719	X	X	-	-	X	-	-	-	-	-	-	O	0104-3004	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		326	X	X	-	-	-	-	-	-	-	X	-	L	0104-3004	11.49	-38.40
4100040	West Atlantic	712	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	14.50	-53.00
4100041	Mid. Atlantic	707	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	14.50	-46.00
4100043	Porto Rico	700	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	21.00	-65.00
4100044		719	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	21.70	-58.70
4100046		718	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	23.90	-70.90
4100047		-	-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
4100048		708	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	32.00	-69.60
4100049		708	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	27.50	-53.00
4100139		343	X	X	X	-	X	-	-	-	-	X	-	L	0104-3004	20.02	-37.86
4100300	Antilles	701	X	X	X	X	X	X	-	-	-	X	-	T	0104-3004	15.85	-57.47
4200059	Caraibes	702	X	X	X	X	X	X	-	-	-	X	-	O	0104-3004	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	702	X	X	X	-	X	X	-	-	-	-	-	O	0104-3004	42.30	-65.90
4400137	E Scotia Sl.	707	X	X	X	X	X	X	-	-	-	-	-	O	0104-3004	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-			44.30	-53.60
4400139	Beanquereau	703	X	S	X	X	X	X	-	-	-	-	-	O	0104-3004	44.30	-57.10
4400140	Tail of Bk	-	-	-	-	-	-	-	-	-	-	-	-			43.80	-51.70
4400141	Larentian F	-	-	-	-	-	-	-	-	-	-	-	-			43.00	-58.00
4400150	La Have Bk	702	X	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 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130430	2500615	13409520	720	0	-0.3	0.4
20130430	2500616	11549100	720	0	0.0	0.6
20130430	2500617	11540100	720	0	0.0	0.5
20130430	2500622	11540110	720	0	-0.1	0.6
20130408	2600555	11545100	190	0	0.0	0.5
20130430	2600556	11549080	721	0	-0.0	0.4
20130430	2600557	11544090	720	0	-0.1	0.4
20130430	4400546	11160640	719	0	0.0	0.5
20130421	4400547	11163640	481	0	-0.0	0.5
20130430	4400548	11160660	720	0	0.0	0.5
20130430	4400549	11025170	720	1	-0.1	1.5
20130430	4400550	11545160	720	0	0.1	0.5
20130430	4400551	11027150	717	46	0.1	1.7
20130430	4400602	11468700	720	0	0.1	0.4
20130430	4400603	11540410	720	1	-0.2	0.5
20130430	4400606	11687410	720	0	-0.0	0.4
20130430	4400611	11471110	720	0	-0.0	0.5
20130430	4400613	11475040	720	0	-0.2	0.5
20130430	4400616	11813550	720	0	0.0	0.6
20130430	4400617	11474100	718	0	-0.1	0.5
20130430	4400620	11022170	720	0	-0.2	0.7
20130430	4400622	11881820	712	0	-0.0	0.5
20130430	4400623	11167640	720	0	0.3	0.7
20130430	4400624	11341110	712	0	-0.1	0.6
20130430	4400626	11814550	718	0	-0.1	0.5
20130430	4400627	11028170	720	0	0.2	0.9
20130430	4400629	11021160	720	0	-0.1	0.5
20130430	4400630	13015830	720	0	-0.0	0.5
20130430	4400683	12366460	719	0	0.2	0.7
20130430	4400684	12297120	720	0	-0.4	0.6
20130430	4400721	13805460	720	5	0.2	0.9
20130430	4400723	10825630	720	0	0.1	1.0
20130430	4400724	13300270	720	0	-0.3	0.5
20130430	4400726	11023190	720	0	-0.5	0.7
20130430	4400728	11020190	720	0	-0.2	0.6
20130430	4400730	11846540	720	0	-0.0	0.5
20130428	4400740	11883820	640	0	0.1	0.4
20130430	4400741	11688230	720	0	-0.0	0.7
20130410	4400744	13805450	219	0	0.0	0.5
20130430	4400746	13357510	498	0	0.1	0.5
20130430	4400760	11880820	720	0	-0.0	0.5
20130430	4400761	11883770	720	0	0.1	0.5
20130430	4400762	11244970	711	0	-0.0	0.5
20130430	4400763	11683410	719	0	-0.0	0.4
20130430	4400764	11688400	720	0	-0.2	0.4
20130430	4400765	11685410	720	0	-0.1	0.4
20130430	4400766	11682410	720	0	-0.1	0.5
20130430	4400767	11919510	720	0	0.2	0.4
20130420	4400768	11912520	466	0	0.5	0.5
20130430	4400770	11798230	718	0	0.1	0.4
20130430	4400771	60507000	720	0	-0.0	0.5
20130430	4400772	11544410	719	0	-0.1	0.4
20130430	4400774	11460700	719	0	0.0	0.7
20130430	4400775	11540170	719	3	-0.2	0.9
20130430	4400777	11885820	720	0	0.1	0.6
20130430	4400778	11463700	720	0	-0.4	0.7
20130430	4400779	11885820	720	0	0.0	0.5
20130430	4400780	11880840	720	0	0.1	0.4
20130430	4400844	37533	719	0	0.1	0.4
20130430	4400864	13614150	719	0	0.1	0.6
20130430	4400865	11022610	11	0	0.6	0.2
20130430	4400866	11020180	720	0	0.2	0.6

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20130430	4400867	11022740	720	1	-0.2	0.6
20130430	4400869	11026040	720	0	0.1	0.4
20130430	4400871	11025180	720	0	-0.3	0.6
20130430	4400872	11027700	720	0	0.5	0.5
20130430	4400873	11022600	720	1	0.3	0.7
20130430	4400875	11021610	720	0	0.6	0.5
20130417	4400885	39086	408	0	0.6	0.5
20130430	4800662	10822620	720	0	0.4	0.5
20130430	4800663	10822640	720	24	-0.2	1.6
20130430	6200511	11026160	718	0	-0.7	0.6
20130430	6200514	60203700	714	0	0.1	0.4
20130430	6200515	11795230	719	0	-0.0	0.7
20130412	6200518	11024270	276	0	-0.9	0.6
20130430	6200520	13611180	720	0	0.1	0.5
20130430	6200521	11688060	720	1	0.1	0.8
20130430	6200522	11680430	718	0	-0.2	0.5
20130430	6200531	11548410	720	0	-0.0	0.7
20130430	6200532	11566230	720	14	0.1	1.3
20130430	6200553	11165650	719	0	0.1	0.6
20130430	6200554	11027160	720	0	0.2	0.4
20130430	6200556	11021170	11	0	0.2	0.3
20130430	6200557	11028160	48	6	-0.5	4.7
20130430	6200678	11029050	720	0	0.1	1.1
20130430	6200679	11684400	720	0	-0.1	0.6
20130430	6200680	11166640	720	0	0.1	0.5
20130430	6200681	11168640	719	0	0.0	0.5
20130430	6200684	11882820	720	0	-0.3	0.6
20130430	6200685	11461700	528	42	-0.6	2.5
20130430	6200686	11845450	720	0	-0.0	1.4
20130430	6200687	11349100	720	0	0.1	0.5
20130413	6200694	11682240	291	0	-0.0	0.5
20130430	6200697	12291040	717	0	-0.1	0.5
20130430	6200713	11246980	712	0	0.1	0.4
20130430	6200714	11240980	712	0	0.2	0.4
20130429	6300551	11547410	612	34	-0.9	2.7
20130430	6300552	11548400	648	16	-0.5	1.4
20130430	6300554	11549410	11	0	-0.1	0.1
20130430	6300635	11477140	720	0	-0.2	0.4
20130412	6300638	11478130	277	0	-0.3	1.0
20130430	6300639	11471050	721	0	-0.2	0.4
20130430	6400516	11473100	720	0	-0.2	0.4
20130430	6400518	11472110	719	0	-0.2	0.6
20130430	6400522	11029150	720	0	0.1	0.5
20130430	6400523	11757730	720	0	-0.6	0.5
20130430	6400524	10825640	720	25	0.4	0.7
20130430	6400527	11549160	720	0	-0.2	0.6
20130430	6400606	11478100	720	0	-0.2	0.4
20130430	6400607	11479100	720	0	-0.1	0.4
20130430	6400608	11546430	539	0	-0.0	0.6
20130430	6400619	11547420	720	1	-0.3	1.1
20130430	6400620	11756730	720	0	-0.0	0.8
20130430	6400661	11543430	718	83	-0.2	1.1
20130430	6500591	11887820	720	0	0.1	0.6
20130430	6500592	11164650	720	0	-0.0	0.5

Air Pressure (hPa), moored buoys, April 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130430	1300130		707	0	0.6	0.6
20130430	1300131		706	0	0.3	0.7
20130430	6100001		711	1	0.0	0.5
20130430	6100002		720	0	-0.4	0.6
20130430	6100196		720	0	0.5	0.6
20130429	6100197		675	0	0.5	0.6
20130430	6100198		720	0	0.3	0.7
20130430	6100280		716	0	0.5	0.7
20130430	6100281		716	0	0.1	0.9
20130430	6100417		720	0	0.3	0.7
20130430	6100430		720	0	-0.3	0.7
20130430	6200001		720	0	0.2	0.5
20130430	6200024		720	0	0.4	0.7
20130430	6200025		720	0	0.4	0.6
20130430	6200029		718	0	0.0	0.8

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20130430	6200083	720	0	0.5	0.6
20130430	6200084	720	0	0.5	0.6
20130430	6200085	718	0	0.5	0.6
20130430	6200091	718	4	0.2	0.6
20130430	6200094	718	0	-0.3	0.6
20130430	6200095	720	2	0.2	0.9
20130430	6200105	717	1	0.0	0.6
20130430	6200163	719	0	0.2	0.6
20130430	6400045	691	0	0.1	0.6
20130430	6400046	720	0	-0.0	1.2

Air Temperature (C), moored buoys, April 2013

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130430	1300130		707	0	-0.8	0.5
20130430	1300131		702	0	-0.1	1.2
20130430	6100001		714	0	-1.1	0.9
20130430	6100002		720	0	-0.3	0.8
20130430	6100196		718	0	-0.1	0.6
20130429	6100197		669	0	0.5	0.9
20130430	6100198		719	0	-0.2	1.0
20130430	6100280		715	0	-0.2	0.9
20130430	6100281		698	0	-0.4	1.2
20130430	6100417		716	0	-0.0	0.9
20130430	6100430		716	0	0.0	0.9
20130430	6200001		720	0	-0.3	0.5
20130430	6200024		720	0	0.2	0.6
20130430	6200029		718	0	-0.4	0.4
20130430	6200083		717	0	-0.2	0.5
20130430	6200084		716	0	-0.2	0.5
20130430	6200085		718	0	-0.2	0.7
20130430	6200091		718	0	-0.1	0.4
20130430	6200094		718	0	0.2	0.4
20130430	6200095		712	0	-0.2	0.7
20130430	6200105		717	0	-0.2	0.5
20130430	6200163		719	0	-0.5	0.5
20130430	6400045		692	0	-0.5	0.6
20130430	6400046		720	0	-0.5	0.6
20130430	6600021		717	2	0.3	1.0

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20130430	1300130		706	23	0	28
20130430	1300131		706	60	9	28
20130430	6100001		707	49	-0	27
20130430	6100002		718	16	-8	25
20130429	6100197		660	33	-13	26
20130430	6100198		693	37	-4	27
20130430	6100280		667	31	0	28
20130403	6100281		57	2	79	31
20130430	6100417		717	15	-0	24
20130430	6100430		687	40	-9	32
20130430	6200001		719	6	-2	19
20130430	6200024		714	28	3	26
20130430	6200025		711	31	-1	26
20130430	6200029		718	2	-2	14
20130430	6200083		720	45	16	36
20130430	6200084		715	8	-9	19
20130430	6200085		708	19	-10	23
20130430	6200091		718	4	2	19
20130430	6200094		718	2	1	12
20130430	6200095		696	20	-2	19
20130430	6200105		717	1	-4	14
20130430	6200163		717	0	-5	14
20130430	6400045		689	7	0	19
20130430	6400046		719	8	6	20
20130430	6600021		717	17	-2	19

Wind speed rate, moored buoys, April 2013

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Datend	WMO	Telcom	Recvd	GE	Rate	Err
20130430	1300130		706	0	1.2	1.5
20130430	1300131		706	0	1.1	2.2
20130430	6100001		707	0	1.3	2.2
20130430	6100002		718	0	1.0	1.8
20130429	6100197		660	0	1.2	2.2
20130430	6100198		693	0	0.8	2.3
20130430	6100280		667	0	1.3	1.7
20130403	6100281		57	1	0.6	1.9
20130430	6100417		717	0	1.0	1.7
20130430	6100430		687	2	1.3	2.1
20130430	6200001		719	0	1.0	1.3
20130430	6200024		714	0	1.1	1.7
20130430	6200025		711	0	0.9	2.2
20130430	6200029		718	2	1.0	1.4
20130430	6200083		720	16	0.8	1.8
20130430	6200084		715	1	1.0	1.6
20130430	6200085		708	0	0.9	1.7
20130430	6200091		718	0	0.9	1.6
20130430	6200094		718	0	1.0	1.6
20130430	6200095		690	2	1.1	2.1
20130430	6200105		717	0	1.0	1.5
20130430	6200163		717	0	1.0	1.4
20130430	6400045		689	1	1.2	2.2
20130430	6400046		719	0	1.1	1.8
20130430	6600021		717	0	1.2	1.3

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoy WMO **6300551** reported many wrong pressure values onto the GTS before the transmission was stopped for this parameter (on 29th April).
2. Metocean Iridium buoys WMO **4400551**, **4800663**, **6200532**, **6200557**, **6200685**, **6400524** and **6400661** reported some wrong pressure values onto the GTS but measurements became right later.

Wind

3. Spanish buoy WMO **6100281** reported wrong wind values onto the GTS before the transmission was stopped for this parameter (on 4th April).

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.