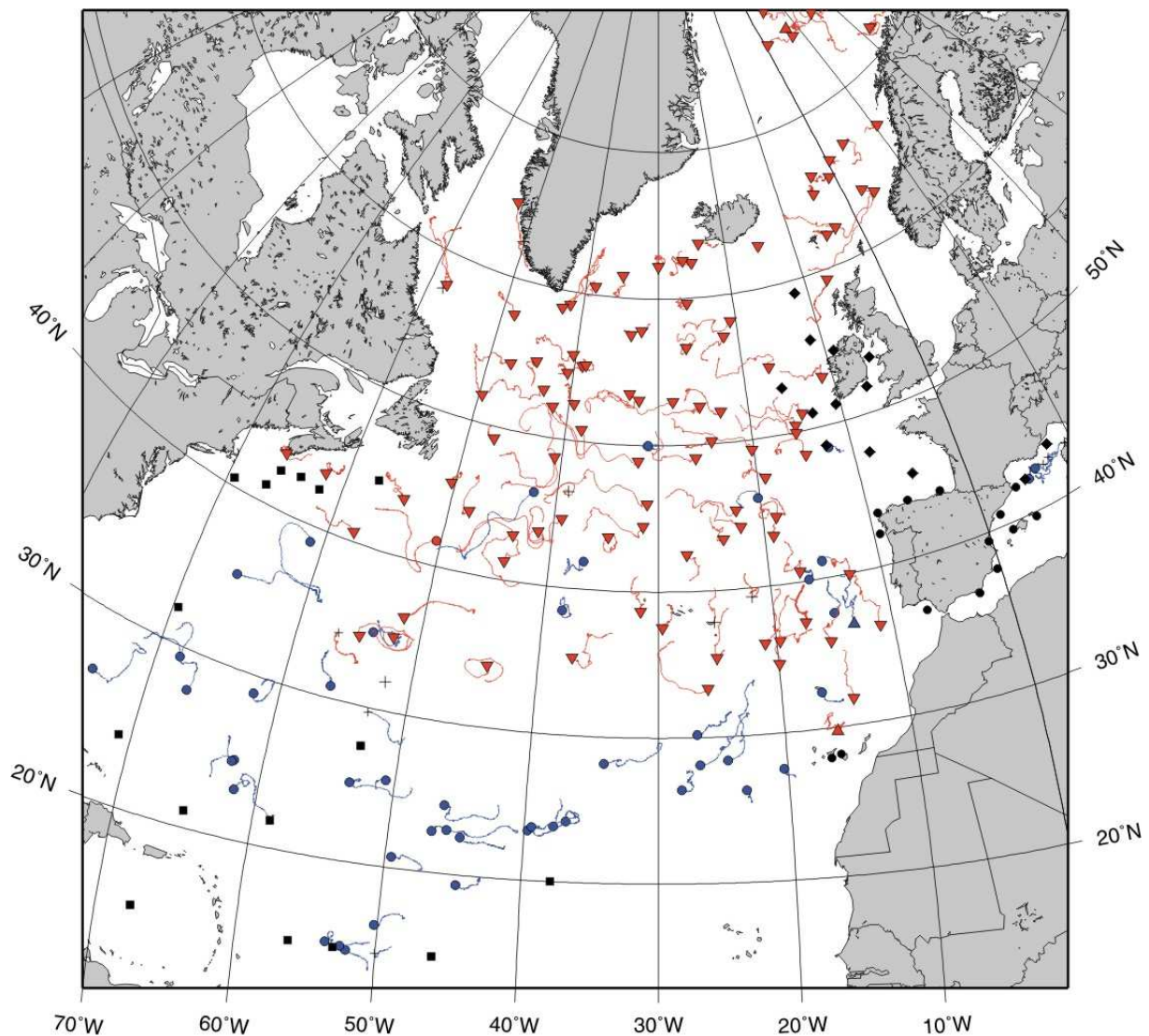
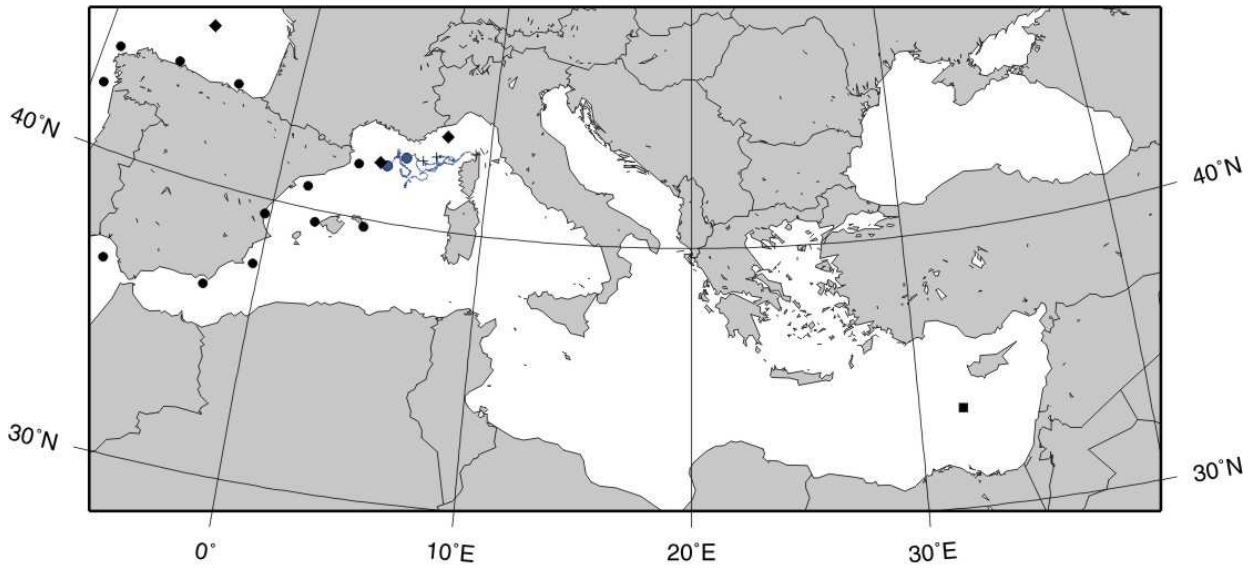


DATA BUOY MONTHLY REPORT

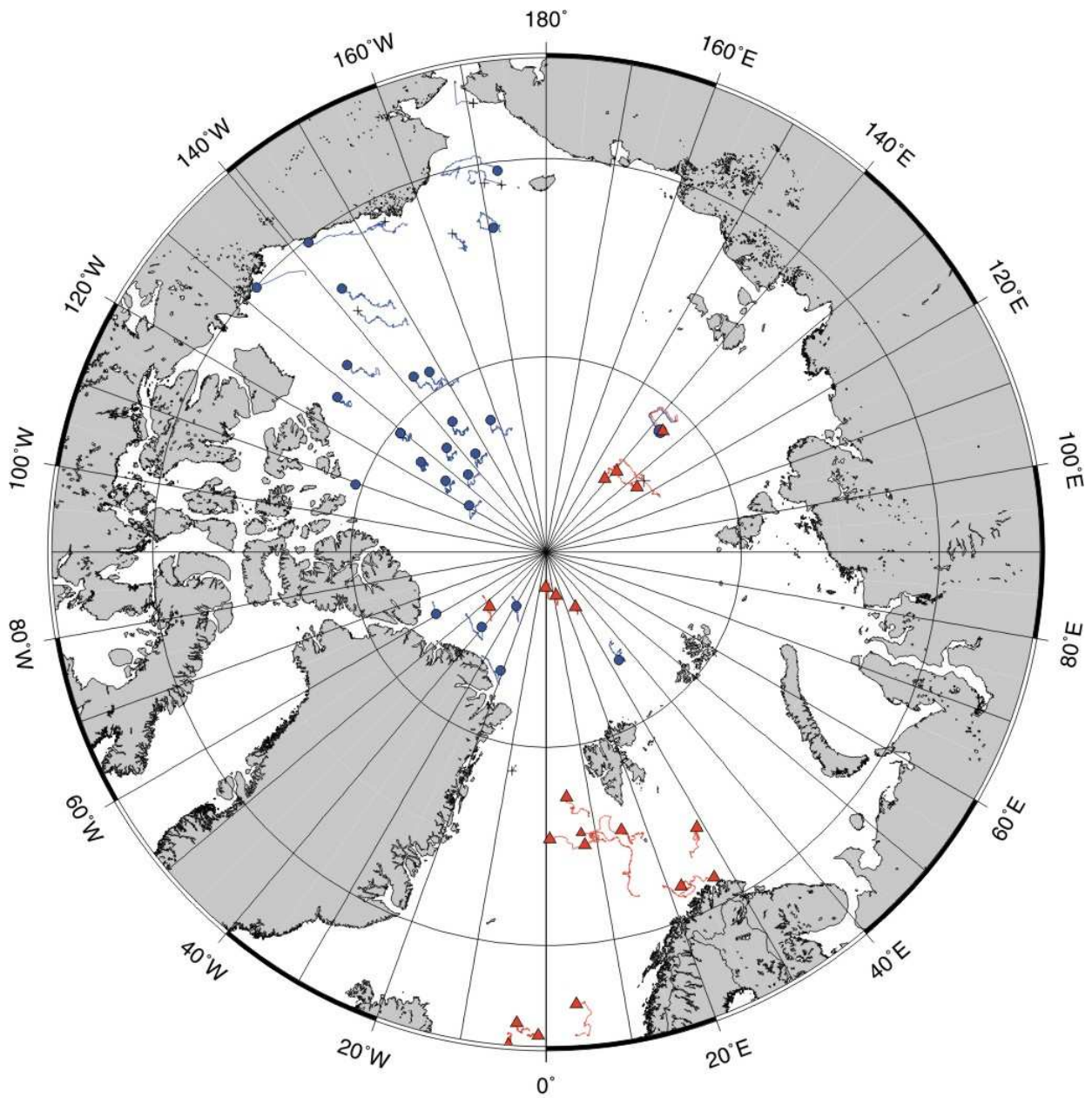
November 2012



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



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



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

DRIFTING BUOYS

Network status

By the end of November **109 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, 74 were E-SURFMAR funded Iridium SVP-Bs, including 4 HRSST-2 buoys. These latter are fitted with accurate digital SST probes. The remaining buoys were 5 Argos and 27 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR, and 3 Iridium drifters operated by Environment Canada.

In addition, one ICEB buoy deployed by RV Polarstern in summer 2011 and 7 SVP-B drifters deployed by the same ship this year were in operation at the end of the month.

Air pressure measurements were released back onto the GTS for buoys WMO 4400723 and 4400746 after realizing they seemed correct again (beginning of November).

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 other interruption or delay in November.

Besides E-SURFMAR buoys, 53 drifting buoys was reporting at least air pressure or wind observations from the EUCOS area of interest. Out of these, sixteen 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
4400623	11167640	MSB	EU	20121114	50.0	-47.9	Halifax	Reykjafoss
6200680	11166640	MSB	EU	20121117	58.6	-31.0	Halifax	Reykjafoss
6200681	11168640	MSB	EU	20121116	57.6	-34.4	Halifax	Reykjafoss
6300638	11478130	MSB	EU	20121109	66.0	2.0	Reykjavik	Skogafoss
6300639	11471050	MSB	EU	20121109	66.8	8.0	Reykjavik	Skogafoss
6400606	11478100	MSB	EU	20121108	64.4	-10.0	Reykjavik	Skogafoss
6400607	11479100	MSB	EU	20121108	65.5	-2.0	Reykjavik	Skogafoss
6400621	11545440	MSB	UP	20121130	62.9	-15.1	Rotterdam	Selfoss
6500592	11164650	MSB	EU	20121116	55.5	-39.0	Halifax	Reykjafoss
	11542450	MSB	UP	20121124	62.0	-12.0	Rotterdam	Selfoss - Failed a few hours after dep.

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	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	85.97	-46.00	437
2500616	11549100	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	84.50	138.90	83
2500617	11540100	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	85.18	141.51	83
2500620	11541100	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	84.27	125.45	102
2500622	11540110	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	81.38	136.03	88
2600555	11545100	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	86.80	28.04	74
2600556	11549080	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	88.16	-0.96	69
2600557	11544090	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0111-3011	87.71	12.77	71

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6200677	11022050	MSB	EU	169	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	31.79	-14.30	296
6200678	11029050	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	58.18	-20.76	286
6200680	11166640	MSB	EU	274	-	-	X	X	X	-	-	X	-	-	-	T	1911-3011	57.83	-32.17	14
6200681	11168640	MSB	EU	274	-	-	X	X	X	-	-	X	-	-	-	T	1911-3011	57.52	-33.47	15
6200682	11541080	MSB	EU	155	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	49.96	-15.35	146
6200683	11541170	MSB	E2	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	51.15	-14.27	144
6200684	11882820	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	59.31	-7.06	141
6200685	11461700	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	56.63	-26.53	142
6200686	11845450	MSB	E2	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	62.41	-25.17	140
6200696	11917510	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	40.70	-17.21	311
6200697	11020160	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	34.67	-19.93	303
6200722	37773	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	24.55	-46.08	766
6200724	39074	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0111-3011	28.20	-34.23	580
6300551	11547410	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	73.98	28.71	129
6300552	11548400	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	75.28	15.15	128
6300553	11549400	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	71.65	22.00	128
6300554	11549410	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	71.36	27.34	128
6300635	11477140	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	67.03	3.83	51
6300638	11478130	MSB	EU	514	-	-	X	X	X	-	-	X	-	-	-	T	0911-3011	66.53	0.40	22
6300639	11471050	MSB	EU	514	-	-	X	X	X	-	-	X	-	-	-	T	0911-3011	66.71	10.47	22
6300642	11548080	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	74.92	7.52	166
6300643	11540080	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	77.41	4.73	165
6300645	11546070	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	75.32	0.68	165
6400516	11473100	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.77	2.70	52
6400517	11472030	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	64.94	-4.41	52
6400518	11472110	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	66.11	-3.60	52
6400522	11029150	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	59.10	-41.69	298
6400523	11757730	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.22	4.22	186
6400524	10825640	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	62.20	-29.98	159
6400525	10824120	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	58.80	-42.69	159
6400526	11932580	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	62.11	-4.89	84
6400527	11549160	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	63.66	-23.89	79
6400606	11478100	MSB	EU	538	-	-	X	X	X	-	-	X	-	-	-	T	0811-3011	62.33	-3.30	23
6400607	11479100	MSB	EU	514	-	-	X	X	X	-	-	X	-	-	-	T	0911-3011	65.54	-0.96	23
6400620	11756730	MSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	59.64	-26.16	183
6400621	11545440	MSB	UP	10	-	-	X	X	X	-	-	X	-	-	-	T	3011-3011	62.84	-15.08	1
6400622	11886820	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	64.84	-52.90	130
6500591	11887820	PSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	T	0111-3011	62.55	-26.46	131
6500592	11164650	MSB	EU	346	-	-	X	X	X	-	-	X	-	-	-	T	1611-3011	55.17	-38.69	15

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4100957	38569	TSB	UP	20121119	29.7	-53.0	702	Faded (battery)
4400730	11846540	MSB	E2	20121126	57.6	-58.2	138	Air Pressure measurements failed
4400742	11689410	MSB	EU	20121118	46.5	-38.9	58	Unknown
4400769	11845540	MSB	E2	20121115	62.4	-50.2	121	Ashore in Greenland
4400874	11023040	MSB	EU	20121129	39.4	-21.7	259	Unknown
6200519	13114260	MSB	EU	20121116	37.8	-25.1	283	Ashore in Azores

----- 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
4400730	11846540	MSB	E2	720	-	-	S	S	X	-	-	X	-	-	-	T	0111-3011	57.60	-58.20	138

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

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400747	11029160	MSB	EU	20121112	38.7	-28.2	281	Ashore in Azores

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

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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 -----

It must be noticed that Greek and Italian moored buoys no longer report onto the GTS... even neither SST nor waves for these latter.

The GTS transmission for Spanish moored buoys disrupted from 23 Nov. at 16:00 UTC to 26 Nov. at 07:00 then after the 30th of Nov. at 11:00. This explains why 639 observations were received instead of the expected 720.

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	715	X	X	X	X	X	X	-	-	-	X	-	T	0111-3011	43.40	7.80
6100002	Lion	641	X	X	X	X	-	X	-	-	-	X	-	T	0111-3011	42.10	4.70
6200001	Gascogne	718	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	45.30	-5.00
6200029	K1	716	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	48.70	-12.50
6200081	K2	395	S	S	S	S	S	S	-	-	-	S	-		0111-1711	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-			53.10	-11.20
6200091	M2	719	X	X	X	-	X	X	-	-	-	X	X	O	0111-3011	53.50	-5.40
6200092	M3	717	X	X	X	-	X	X	-	-	-	X	X	O	0111-3011	51.20	-10.50
6200093	M4	719	X	X	X	-	X	S	-	-	-	X	-	O	0111-3011	54.70	-9.10
6200094	M5	718	X	X	X	-	X	X	-	-	-	X	-	O	0111-3011	51.70	-6.70
6200095	M6	710	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	53.10	-15.90
6200105	K4	678	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-			53.50	-19.50
6200163	Brittany	718	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	47.50	-8.40
6400045	K5	713	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	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	608	-	X	X	-	X	X	-	-	-	-	-	O	0111-3011	28.18	-15.82
1300131	Tenerife Sur	578	S	S	S	-	S	S	-	-	-	-	-		0111-2711	28.00	-16.58

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6100196	C. Begur	639	X	S	X	-	-	X	-	-	-	-	-	-	O	0111-3011	41.92	3.65
6100197	Mahon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.42
6100198	C. de Gata	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	36.57	-2.33	
6100280	Tarragona	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	40.77	1.47	
6100281	Valencia	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	39.47	-0.27	
6100417	C. de Palos	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	37.65	-0.32	
6100430	Dragonera	639	X	X	X	-	X	X	-	-	-	-	-	O	0111-3011	39.56	2.11	
6200024	Bilbao-Visc.	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	43.63	-3.03	
6200025	C. de Penas	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	43.73	-6.17	
6200082	E. de Bares	399	S	S	S	-	S	S	-	-	-	-	S		0711-2611	44.13	-7.69	
6200083	Villano-Sis.	639	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	43.48	-9.22	
6200084	C. Silleiro	638	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	42.12	-9.43	
6200085	G. de Cadiz	637	X	X	X	-	X	X	-	-	-	-	X	O	0111-3011	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		30	-	-	-	-	X	X	-	-	-	-	-	O	2211-3011	37.44	15.15
6100208		373	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	37.52	12.53
6100209		-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.26	13.33
6100210		444	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	39.02	17.22
6100211		446	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	39.45	15.92
6100212		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.62	9.89
6100213		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.55	8.11
6100214		-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.87	12.95
6100215		443	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	40.98	17.38
6100216		-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.24	11.55
6100218		446	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	43.83	13.72
6100219		325	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	43.93	9.83
6100220		440	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	45.33	12.52
6100221		446	-	-	-	-	X	X	-	-	-	-	-	O	2111-3011	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
6200052	Ushant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.50	-5.80
6200442	PAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.00	-16.40
6600021	Arkona Becken	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.90	13.90
6600022	Oder Bank	103	S	S	-	-	S	-	-	-	-	-	-		0111-0511	54.10	14.20
6600024	Darsser Schwell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.70	12.70

Offshore moored buoys in the western part of the EUCOS area

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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		345	X	X	-	-	X	-	-	-	-	X	-	L	0111-3011	11.49	-38.40
4100040	West Atlantic	710	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	14.50	-53.00
4100041	Mid. Atlantic	712	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	14.50	-46.00
4100043	Porto Rico	704	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	21.00	-65.00
4100044		719	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	21.70	-58.70
4100046		716	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	23.90	-70.90
4100047		-	-	-	-	-	-	-	-	-	-	-	-	-		27.50	-71.50
4100048		707	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	32.00	-69.60
4100049		718	X	X	X	X	X	X	-	-	-	X	-	O	0111-3011	27.50	-53.00
4100100	E Guadeloupe	-	-	-	-	-	-	-	-	-	-	-	-	-		15.90	-57.90
4100101	E Martinique	688	X	X	X	X	X	X	-	-	-	X	-	T	0111-3011	14.60	-56.20
4100139		396	X	X	X	-	X	-	-	-	-	X	-	L	0111-3011	20.02	-37.86
4200059	Caraibes	720	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	15.00	-67.50
4400008	A Nantucket	716	X	X	X	X	X	X	-	-	-	S	-	O	0111-3011	40.50	-69.40
4400011	D Georges Bk	715	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	41.10	-66.60
4400018	SE Cape Cod	-	-	-	-	-	-	-	-	-	-	-	-	-		41.30	-69.30
4400024	NNE Channel	699	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	42.30	-65.90
4400137	E Scotia Sl.	701	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-	-		44.30	-53.60
4400139	Beanquereau	700	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	44.30	-57.10
4400140	Tail of Bk	-	-	-	-	-	-	-	-	-	-	-	-	-		43.80	-51.70
4400141	Larentian F	-	-	-	-	-	-	-	-	-	-	-	-	-		43.00	-58.00
4400150	La Have Bk	711	X	X	X	X	X	X	-	-	-	-	-	O	0111-3011	42.50	-64.00

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, November 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20121130	2500615	13409520	720	0	-0.3	0.7
20121130	2500616	11549100	720	0	-0.0	0.6
20121130	2500617	11540100	720	0	-0.1	0.7
20121130	2500620	11541100	720	0	-0.2	0.6
20121130	2500622	11540110	720	0	-0.3	0.5
20121130	2600555	11545100	720	0	0.0	0.6
20121130	2600556	11549080	720	0	0.0	0.5
20121130	2600557	11544090	720	0	-0.0	0.4
20121106	4100561	39073	13	0	-0.3	0.3
20121125	4100596	12053610	505	0	-0.0	0.6
20121130	4100597	12058610	720	0	-0.0	0.5
20121130	4100598	13207690	720	0	-0.0	0.7
20121130	4100599	13016830	720	0	-0.2	0.5
20121130	4100600	12776720	720	0	-0.0	0.4
20121130	4100601	13800460	721	0	-0.0	0.5
20121130	4100637	13801460	720	0	-0.0	0.4
20121130	4100638	10827640	720	0	-0.0	0.6
20121119	4100957	38569	354	0	-0.1	0.5
20121130	4400549	11025170	720	0	0.1	0.8
20121130	4400551	11027150	720	0	-0.4	0.4
20121130	4400601	11565080	712	3	-0.1	1.5
20121130	4400603	11540410	720	0	-0.1	0.7
20121130	4400606	11687410	720	0	-0.1	0.4
20121130	4400615	11023600	720	13	-0.0	0.9

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20121130	4400616	11813550	720	0	0.1	0.8
20121130	4400620	11022170	720	0	-0.3	1.3
20121130	4400622	11881820	720	0	-0.0	0.5
20121130	4400623	11167640	370	0	0.6	0.8
20121130	4400625	11502100	719	0	0.2	0.7
20121130	4400626	11814550	528	42	-0.8	2.5
20121130	4400627	11028170	720	18	0.3	1.6
20121130	4400629	11021160	720	3	-0.0	1.3
20121130	4400630	13015830	720	0	0.0	0.4
20121130	4400685	12762900	718	0	0.8	0.9
20121130	4400686	12469250	709	28	0.0	0.8
20121130	4400687	12294040	718	0	-0.5	0.8
20121130	4400721	13805460	720	0	0.0	0.5
20121130	4400723	10825630	370	0	0.4	0.6
20121130	4400724	13300270	720	0	-0.3	0.6
20121130	4400725	11027170	720	0	-0.2	0.5
20121130	4400726	11023190	720	0	-0.5	0.9
20121130	4400727	11026170	720	0	-0.0	0.5
20121130	4400728	11020190	720	0	-0.0	0.6
20121126	4400730	11846540	614	87	-0.5	2.0
20121130	4400739	11023610	720	0	0.1	0.6
20121130	4400740	11883820	720	0	-0.0	0.4
20121130	4400741	11688230	720	0	-0.1	0.4
20121118	4400742	11689410	417	0	0.2	1.1
20121130	4400744	13805450	720	0	-0.1	0.7
20121130	4400745	13010870	720	0	-0.1	0.6
20121130	4400746	13357510	149	0	-0.0	0.4
20121130	4400760	11880820	719	0	0.0	0.7
20121130	4400761	11883770	720	0	0.0	0.4
20121130	4400767	11919510	720	0	0.2	0.4
20121130	4400768	11912520	720	0	0.3	0.4
20121115	4400769	11845540	300	2	-0.5	0.9
20121130	4400772	11544410	720	0	-0.1	0.9
20121130	4400774	11460700	720	0	0.2	0.7
20121130	4400775	11540170	720	0	-0.3	0.8
20121130	4400776	11844540	720	0	-0.1	0.6
20121130	4400777	11885820	720	0	0.2	0.6
20121130	4400778	11463700	719	0	-0.3	0.6
20121130	4400779	11885820	720	0	-0.0	0.8
20121130	4400780	11880840	720	1	0.1	0.6
20121130	4400835	83420	723	0	0.1	0.6
20121130	4400844	37533	721	0	0.1	0.6
20121130	4400864	13614150	720	0	0.1	0.4
20121130	4400865	11022610	720	0	0.3	0.4
20121130	4400866	11020180	720	0	0.0	0.4
20121130	4400867	11022740	720	0	-0.2	0.5
20121130	4400869	11026040	720	0	-0.0	0.4
20121130	4400871	11025180	720	0	-0.0	0.6
20121130	4400872	11027700	720	66	0.1	1.2
20121130	4400873	11022600	720	14	0.1	1.2
20121129	4400874	11023040	682	0	0.1	0.5
20121130	4400875	11021610	720	4	0.4	0.8
20121130	4400885	39086	719	7	0.2	0.5
20121130	4800662	10822620	720	0	0.4	0.8
20121130	4800663	10822640	720	0	0.2	0.9
20121130	6200511	11026160	719	0	-0.4	0.5
20121130	6200518	11024270	720	0	-0.0	1.0
20121116	6200519	13114260	376	0	-0.1	1.2
20121130	6200520	13611180	720	0	-0.0	0.6
20121130	6200521	11688060	719	0	-0.0	0.5
20121130	6200522	11680430	720	0	-0.2	0.5
20121130	6200531	11548410	720	0	0.0	0.6
20121130	6200532	11566230	720	0	0.1	0.5
20121130	6200554	11027160	720	0	0.0	0.5
20121130	6200555	11023170	720	0	0.1	0.6
20121130	6200556	11021170	720	0	0.1	0.4
20121130	6200557	11028160	720	0	-0.3	0.4
20121130	6200677	11022050	169	0	0.1	0.6
20121130	6200678	11029050	720	0	-0.0	0.6
20121130	6200680	11166640	274	0	-0.0	0.6
20121130	6200681	11168640	274	0	0.0	0.5
20121130	6200682	11541080	155	0	-0.1	0.5
20121130	6200683	11541170	720	0	-0.4	0.6
20121130	6200684	11882820	720	0	-0.2	0.6
20121130	6200685	11461700	720	0	-0.3	0.6
20121130	6200686	11845450	720	0	-0.2	0.6

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20121130	6200696	11917510	720	0	0.3	0.5
20121130	6200697	12291040	719	0	-0.0	0.8
20121130	6200722	37773	720	0	0.1	0.4
20121130	6200724	39074	719	0	-0.1	0.4
20121130	6300551	11547410	720	0	0.0	0.4
20121130	6300552	11548400	720	0	0.0	0.4
20121130	6300553	11549400	720	0	0.0	0.5
20121130	6300554	11549410	720	0	-0.1	0.4
20121130	6300635	11477140	720	0	-0.1	0.4
20121130	6300638	11478130	514	0	-0.1	0.5
20121130	6300639	11471050	514	0	-0.1	0.5
20121130	6300642	11548080	720	0	0.2	0.4
20121130	6300643	11540080	720	0	-0.1	0.5
20121130	6300645	11546070	720	0	-0.2	0.4
20121130	6400516	11473100	720	0	-0.3	0.6
20121130	6400517	11472030	720	0	-0.2	0.8
20121130	6400518	11472110	720	0	-0.1	0.5
20121130	6400522	11029150	720	44	-0.1	1.5
20121130	6400523	11757730	720	0	-0.1	0.5
20121130	6400524	10825640	720	0	0.5	0.6
20121130	6400525	10824120	720	0	0.5	0.8
20121130	6400526	11932580	720	0	-0.1	0.6
20121130	6400527	11549160	720	0	0.2	0.5
20121130	6400606	11478100	538	0	0.0	0.5
20121130	6400607	11479100	514	0	-0.0	0.6
20121130	6400620	11756730	720	0	0.1	0.5
20121130	6400622	11886820	720	1	-0.1	1.4
20121130	6500591	11887820	720	0	0.0	0.6
20121130	6500592	11164650	346	0	-0.2	0.8

Air Pressure (hPa), moored buoys, November 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20121130	1300130		608	0	0.5	0.7
20121127	1300131		578	0	0.2	0.8
20121130	6100001		710	1	-0.0	0.5
20121130	6100002		639	1	0.1	0.7
20121130	6100196		639	0	0.3	0.6
20121130	6100198		639	0	0.3	0.7
20121130	6100280		639	0	0.4	0.7
20121130	6100281		639	0	0.3	0.9
20121130	6100417		639	0	0.2	0.7
20121130	6100430		639	0	-0.4	0.8
20121130	6200001		718	0	-0.0	0.5
20121130	6200024		639	0	0.4	0.7
20121130	6200025		639	0	0.4	0.6
20121130	6200029		716	0	0.1	0.6
20121117	6200081		395	0	0.0	0.5
20121126	6200082		399	0	0.1	0.7
20121130	6200083		639	0	0.2	0.6
20121130	6200084		638	0	0.1	0.6
20121130	6200085		637	0	0.1	0.7
20121130	6200091		719	5	-0.0	0.5
20121130	6200092		717	0	0.0	0.6
20121130	6200093		719	1	-0.1	0.6
20121130	6200094		718	2	-0.3	0.6
20121130	6200095		685	6	0.0	1.0
20121130	6200105		678	1	-0.0	0.5
20121130	6200163		718	0	0.1	0.7
20121130	6400045		713	0	0.1	0.6

Air Temperature (C), drifting buoys, November 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20121130	2500619	57010	720	1	-2.7	6.6

Air Temperature (C), moored buoys, November 2012

Datend	WMO	Telcom	Recvd	GE	Bias	Std
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20121130	1300130	608	0	-0.8	0.6
20121127	1300131	578	0	0.1	0.8
20121130	6100001	715	0	-1.5	0.6
20121130	6100002	636	0	-0.4	0.8
20121107	6100196	126	44	10.7	3.1
20121130	6100198	639	0	-0.6	0.7
20121130	6100280	639	0	-0.2	0.6
20121130	6100281	638	0	-0.2	0.6
20121130	6100417	639	0	-0.5	0.5
20121130	6100430	639	0	-0.2	0.6
20121130	6200001	718	0	-0.5	0.6
20121130	6200024	639	0	0.0	0.8
20121130	6200025	639	0	-1.3	0.8
20121130	6200029	716	0	-0.6	0.7
20121117	6200081	395	0	-0.6	0.7
20121126	6200082	399	0	-0.4	0.5
20121130	6200083	639	0	-0.2	0.6
20121130	6200084	638	0	-0.2	0.7
20121130	6200085	637	0	-0.1	0.5
20121130	6200091	719	0	-0.1	0.6
20121130	6200092	717	0	-1.0	0.5
20121130	6200093	719	0	-0.5	0.6
20121130	6200094	718	0	1.1	0.9
20121130	6200095	706	1	-0.7	0.9
20121130	6200105	678	0	-0.6	0.6
20121130	6200163	718	0	-0.6	0.6
20121130	6400045	713	0	-0.6	0.6
20121105	6600022	103	0	0.5	0.6

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20121127	1300131		576	70	10	38
20121130	6100001		704	48	2	32
20121130	6100002		637	14	-3	22
20121130	6100196		635	10	-20	20
20121130	6100198		631	36	-19	30
20121130	6100280		545	8	1	29
20121130	6100281		636	37	7	30
20121130	6100417		632	12	-3	26
20121130	6100430		631	25	-4	25
20121130	6200001		716	4	-1	17
20121130	6200024		461	12	1	25
20121130	6200025		629	68	-9	36
20121130	6200029		713	1	-1	12
20121117	6200081		393	33	-9	17
20121112	6200082		123	0	75	20
20121130	6200083		630	75	8	43
20121130	6200084		635	8	8	19
20121130	6200085		622	10	-2	20
20121130	6200091		719	1	4	15
20121130	6200092		716	5	4	15
20121130	6200093		718	9	3	21
20121130	6200094		718	12	2	17
20121130	6200095		709	6	-3	16
20121130	6200105		678	3	-1	13
20121130	6200163		717	2	-1	17
20121130	6400045		712	2	-1	16
20121105	6600022		103	0	-7	12

Wind speed rate, moored buoys, November 2012

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20121127	1300131		576	2	1.4	2.6
20121130	6100001		704	0	1.0	2.1
20121130	6100002		637	4	1.0	1.7
20121130	6100196		635	0	0.9	1.7
20121130	6100198		631	0	0.9	2.3
20121130	6100280		545	0	0.8	2.3
20121130	6100281		636	0	1.3	2.1
20121130	6100417		632	0	1.1	2.4

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20121130	6100430	631	1	1.0	1.9
20121130	6200001	716	0	1.0	1.4
20121130	6200024	461	0	1.1	1.5
20121130	6200025	629	0	0.9	2.2
20121130	6200029	713	0	1.0	1.2
20121117	6200081	393	2	1.0	1.4
20121112	6200082	123	5	1.0	1.7
20121130	6200083	630	23	0.8	2.1
20121130	6200084	635	3	1.0	1.6
20121130	6200085	622	0	0.9	1.6
20121130	6200091	719	0	1.0	1.5
20121130	6200092	716	0	0.9	1.8
20121130	6200093	718	3	0.9	1.7
20121130	6200094	718	2	1.0	1.8
20121130	6200095	706	0	1.1	1.7
20121130	6200105	678	0	1.0	1.4
20121130	6200163	717	1	1.0	1.6
20121130	6400045	712	0	1.0	1.5
20121105	6600022	103	0	1.2	1.3

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoy WMO **4400686** operated by Environment Canada ran ashore on a sand island in the SW of Nova Scotia on the 26th of November. It had been reporting wrong pressure values onto the GTS till the end of the month.
- 2.
3. Metocean Iridium buoy WMO **4400730** reported many wrong pressure values onto the GTS before the transmission was stopped for this parameter on the 26th of November.
4. Metocean Iridium buoys WMO **4400615**, **4400626**, **4400872**, **4400873** and **6400522** reported some wrong pressure values onto the GTS but measurements became right later. Although two of them already reported dubious values in October, the GTS data transmission was not discontinued for them.

Air temperature

5. As usually, air temperature reported by ICEB buoy WMO **2500619** appeared biased in November but this difference should be due to the model.
6. Spanish moored buoy WMO **6100196** reported dubious air temperature values before it stopped transmitting on the 7th of November.

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.