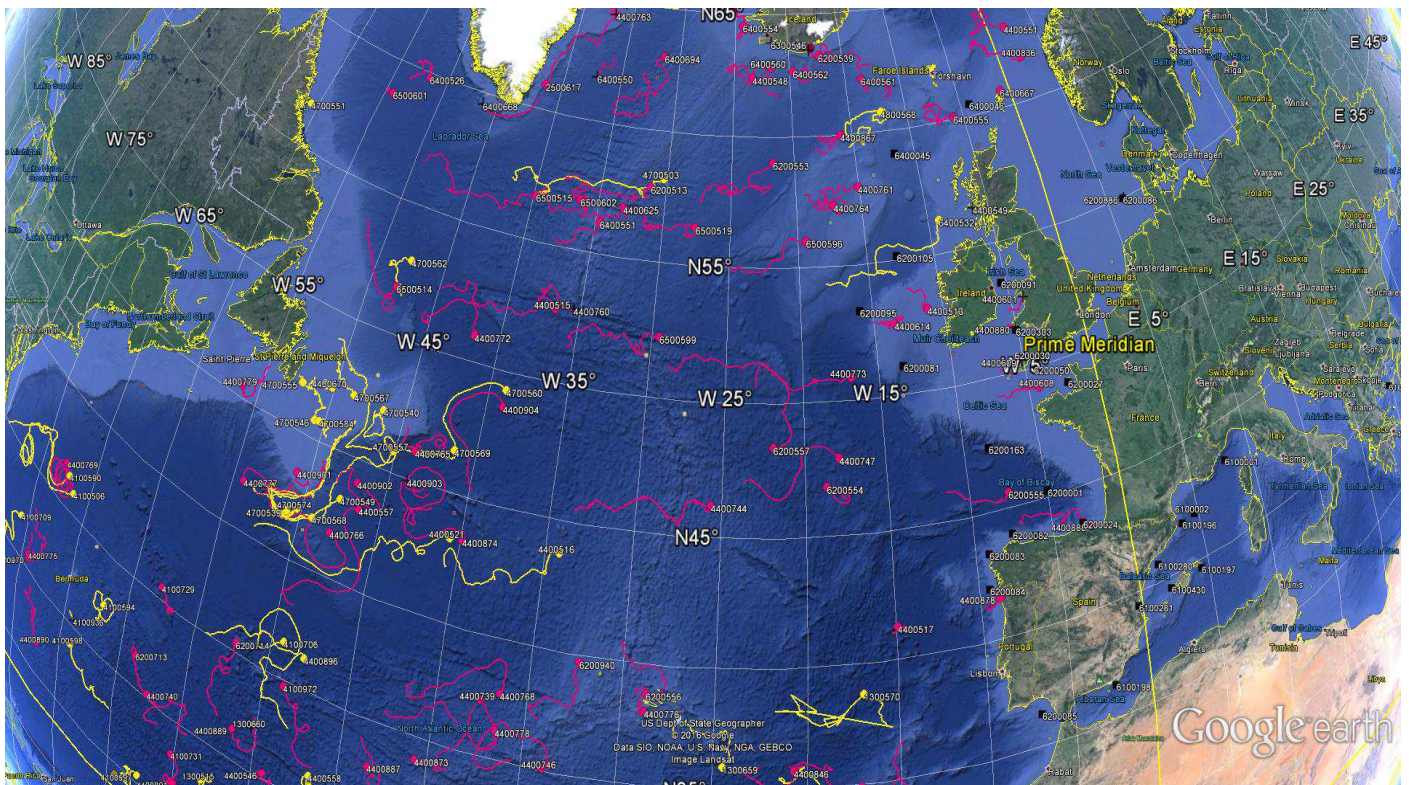


DATA BUOY MONTHLY REPORT

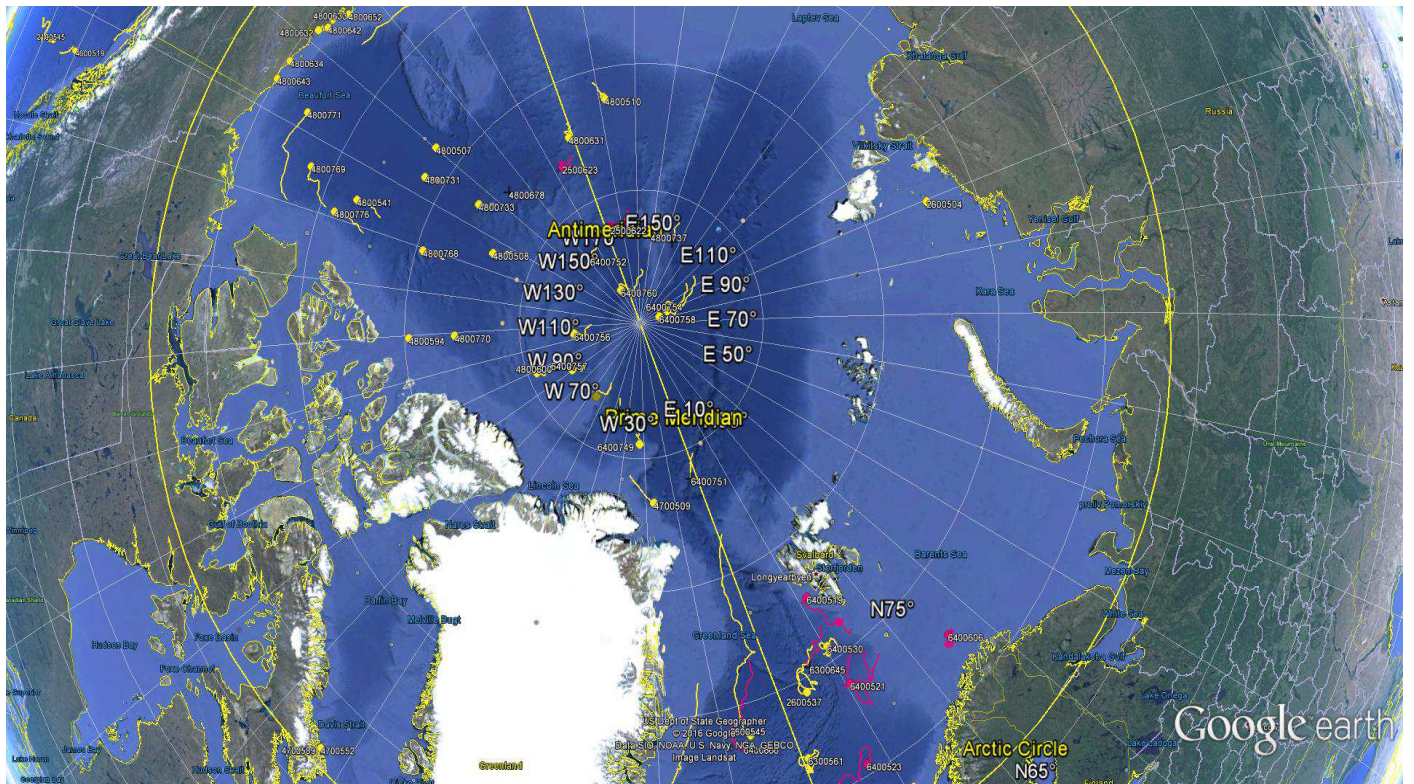
February 2016



*February 2016 : 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*

**E-SURFMAR DB Monthly Report
February 2016**



*February 2016
Drifting buoy trajectories in Arctic Ocean and adjacent seas : E-SURFMAR (red), others (yellow)*

**E-SURFMAR DB Monthly Report
February 2016**

DRIFTING BUOYS

Network status

By the end of February, **106 Drifting buoys**, reporting air pressure onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 76 were E-SURFMAR funded Iridium SVP-Bs, including 3 in the Arctic, 7 in AtlantOS activities and 5 HRSST-2 buoys. The remaining buoys were: 30 drifters owned by NOAA and upgraded with barometers by E-SURFMAR.

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, 62 drifting buoys were reporting at least air pressure observations from the EUMETNET area of interest.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
4400901	61472460	DSB	UP	20160216	43.4	-50.0	Norfolk	Atlantic Cartier
4400902	61471430	DSB	UP	20160216	43.6	-48.0	Norfolk	Atlantic Cartier
4400903	61471410	DSB	UP	20160217	44.8	-42.3	Norfolk	Atlantic Cartier
4400904	61471420	DSB	UP	20160217	45.4	-39.6	Norfolk	Atlantic Cartier
6200723	61470430	DSB	UP	20160218	46.9	-32.0	Norfolk	Atlantic Cartier
6400562	62957280	MSB	EU	20160201	62.6	-17.0	Rotterdam	Lagarfoss

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
1300868	11686410	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	32.30	-14.22	466
1300869	11688410	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	24.16	-43.26	464
1300871	61516870	MSB	EU	675	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	28.69	-35.12	352
1300872	61611050	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	25.06	-30.60	353
2500622	62850900	MSB	EU	696	-	-	X	-	-	-	-	-	-	-	-	T	0102-2902	86.23	177.09	176
2500623	62955110	MSB	EU	696	-	-	X	-	-	-	-	-	-	-	-	T	0102-2902	83.23	-173.02	169
4100729	62321360	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	35.68	-57.76	279
4100730	62326350	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	29.26	-78.47	278
4100731	62329360	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	28.32	-55.18	284
4100970	60213790	PSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	30.75	-69.02	935
4100972	60217780	PSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	34.80	-48.70	935
4400513	61475450	DSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	53.06	-11.15	358
4400515	61476450	DSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	52.70	-36.70	360
4400517	61477390	DSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	41.33	-14.95	357
4400546	11160640	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	30.35	-49.19	1077
4400547	60173710	MSB	EU	696	-	-	X	-	S	-	-	X	-	-	-	T	0102-2902	63.58	-17.88	568
4400548	11799230	MSB	E2	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	62.35	-23.36	568
4400551	60892140	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	63.14	1.79	541
4400557	61568540	DSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	43.19	-46.38	230
4400608	11093800	MSB	E2	696	-	-	X	-	-	-	-	X	-	-	-	T	0102-2902	49.25	-4.32	508
4400613	11475040	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	26.22	-42.97	1091
4400614	61661340	MSB	EU	688	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	52.67	-13.61	671
4400624	11341110	YSB	EU	682	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	25.69	-44.44	1176
4400625	61668340	MSB	EU	690	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	56.89	-33.09	669
4400739	61516840	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	37.41	-37.50	637
4400740	11883820	PSB	UP	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	30.35	-57.40	1332
4400744	62953450	MSB	EU	697	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	46.22	-25.64	218
4400746	62850730	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	35.15	-33.85	214
4400747	62327370	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	47.92	-17.91	120
4400761	61669320	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	57.95	-15.10	389
4400764	61662330	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	57.30	-17.16	351
4400765	62325370	MSB	EU	670	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	46.13	-43.76	119
4400766	62326340	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	41.84	-47.83	119

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Operating AtlantOS drifting buoys 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
1500681	61661310	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-15.80	-26.07	318
1500682	61663300	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-13.35	-8.46	319
1500683	61663370	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-15.95	-34.56	320
1500684	62328350	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-9.32	-31.91	319
1500685	62854900	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-14.45	-14.89	186
1500686	62959110	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-7.63	-19.51	157
1500688	62958430	MSB	EU	678	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	-1.30	-21.78	157

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2500618	11020180	MSB	EU	20160201	71.2	-18.4	287	Unknown
4400549	60896130	MSB	EU	20160203	56.5	-6.3	515	Ashore in Scotland
4400601	60890150	MSB	EU	20160208	52.7	-4.1	519	Ashore in Wales
4400609	61613050	MSB	EU	20160209	50.4	-5.2	370	Ashore in Cornwall
4400760	61662360	MSB	EU	20160222	52.8	-35.5	382	Faded (Battery empty)
4400763	61667330	MSB	EU	20160216	64.4	-36.8	339	Unknown
4400880	60656880	PSB	UP	20160204	51.7	-5.1	732	Ashore in Wales
4400903	61471410	DSB	UP	20160226	45.0	-43.9	10	Unknown
6200695	60408990	MSB	E2	20160203	24.8	-49.4	1003	Faded (battery empty)
6300645	60892150	MSB	EU	20160209	75.3	6.4	110	Unknown
6400550	11463700	MSB	UP	20160205	61.8	-37.1	228	Unknown
6400621	61614070	MSB	EU	20160218	65.7	-31.6	327	Faded (Battery empty)
6400668	60177860	MSB	EU	20160208	59.6	-46.2	779	Unknown
6500603	62959440	MSB	EU	20160220	68.0	-53.7	161	Unknown (Frozen in ice?)

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
2500617	61767070	MSB	EU	696	-	-	S	-	X	-	-	-	-	-	-	T	0102-2902	60.99	-41.44	527
4100969	60213780	PSB	UP	591	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	28.76	-61.64	936
4400604	11794240	MSB	E2	696	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	48.00	-17.27	510
4400745	62956440	MSB	EU	696	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	39.74	-30.82	215
4400869	61615050	MSB	EU	696	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	39.69	-31.71	209
4400875	61616040	MSB	EU	696	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	36.78	-31.11	210
6400522	61511870	MSB	EU	621	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	73.29	-13.21	556
6400561	62950280	MSB	EU	686	-	-	S	-	X	-	-	X	-	-	-	T	0102-2902	62.17	-13.54	30
6400623	11470040	MSB	EU	696	-	-	S	-	X	-	-	X	-	-	-	T	0102-2902	69.34	-12.01	1024
6500595	11595570	MSB	EU	696	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	54.63	-10.46	623

Non-operating drifting buoys which ceased to emit

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause												
4400872	60202920	MSB	EU	86	-	-	S	-	-	-	S	-	-	-		0102-0402	63.49	-18.08	588	
6200516	11475100	MSB	EU	332	-	-	-	-	S	-	-	S	-	-	-		0102-1402	24.56	-58.00	1014

Other operating drifting buoys inside the EUMETNET area by the end of the month

WMO	Telcom	Owner	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300515	114951	AOML	669	-	-	X	-	X	-	-	X	-	-	-	L	0102-2902	28.13	-52.97
1300517	114943	AOML	645	-	-	X	-	X	-	-	X	-	-	-	L	0102-2902	18.68	-59.67
1300519	127004	AOML	668	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	20.27	-49.65
1300530	114916	AOML	661	-	-	X	-	X	-	-	X	-	-	-	L	0102-2902	12.76	-24.98
1300570	116474	AOML	679	-	-	X	-	X	-	-	X	-	-	-	L	0102-2902	38.82	-16.97
1300572	127002	AOML	685	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	34.58	-19.19

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1300633	109491	AOML	684	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	29.71	-25.72
1300659	11910180	UKMO	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	36.04	-24.48
1300661	62325770	UKMO	694	-	-	X	-	-	-	-	X	-	-	-	T	0102-2902	16.89	-45.01
1300665	62327760	UKMO	696	-	-	X	-	-	-	-	X	-	-	-	T	0102-2902	24.05	-24.58
1500951	10450430	CMM	538	-	-	X	-	-	-	-	X	-	-	-	T	0102-2902	4.00	9.21
2100942	119223	UKMO	682	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	30.86	-46.29
2500575	137812	APL	697	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	65.98	-35.58
2600537	61369210	IABP	532	-	-	X	X	X	-	-	S	-	-	-	O	0102-2902	74.47	4.28
2600545	62556750	IABP	688	-	X	X	X	-	-	-	-	-	-	-	O	0102-2902	73.72	-5.93
2600546			651	-	X	X	X	-	-	-	-	-	-	-	O	0102-2902	67.82	-24.98
3100863	61611040	CMM	578	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	24.52	-59.21
4100506	114944		456	-	-	X	-	X	-	-	X	-	-	-	L	1002-2902	35.99	-66.31
4100590	132676		184	-	-	X	X	X	-	-	X	-	-	-	L	2202-2902	36.54	-67.04
4100594	127029	AOML	691	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	32.68	-61.73
4100597	61512840	AOML	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	25.65	-57.47
4100598	61610040	AOML	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	29.16	-63.93
4100635	61475300	CMM	695	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	21.04	-49.80
4100638	62955440	CMM	696	-	-	-	-	X	-	-	X	-	-	-	T	0102-2902	15.11	-61.74
4100706	11595580	aoml	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	36.68	-49.16
4100707	62957110	CMM	696	-	-	X	-	-	-	-	X	-	-	-	T	0102-2902	13.77	-61.05
4100708	62958100	CMM	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	15.37	-43.51
4100711	11477030	CMM	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	32.69	-21.26
4100975	109439	AOML	685	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	28.50	-25.53
4400516	114599	AOML	623	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	43.80	-34.16
4400521	133133	AOML	695	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	43.35	-40.60
4400558	123286	AOML	692	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.38	-46.45
4400670			674	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	47.19	-50.16
4400896	109438	AOML	694	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	36.41	-47.76
4700503	137813	APL	427	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	58.17	-30.27
4700509	62553800	IABP	502	-	X	X	X	-	-	-	-	-	-	-	O	0102-2902	83.35	-17.23
4700539			686	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	41.87	-50.86
4700540			669	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	47.19	-46.38
4700546			686	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	45.71	-50.68
4700549			683	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	43.27	-47.67
4700551		EC	691	-	-	X	X	-	-	-	-	-	-	-	O	0102-2902	56.70	-60.67
4700552		EC	491	-	-	X	X	-	-	-	-	-	-	-	O	0102-2902	67.39	-63.26
4700555			694	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	46.84	-52.24
4700557			683	-	-	X	X	X	-	-	-	-	-	-	O	0102-2902	45.85	-45.11
4700560			695	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	49.34	-38.86
4700562			671	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	52.92	-47.48
4700567			683	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	47.28	-48.55
4700568			576	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	42.08	-49.13
4700569			589	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	46.63	-41.33
4700574			686	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	42.14	-50.22
4700584			692	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	45.75	-50.36
4700589		EC	624	-	-	X	X	-	-	-	-	-	-	-	O	0102-2902	67.39	-63.30
4800568	61363210	IABP	629	-	-	X	X	X	-	-	X	-	-	-	O	0102-2902	60.77	-12.28
6300561	60654200	AOML	691	-	-	X	-	X	-	-	X	-	-	-	L	0102-2902	71.93	0.75
6300923	62551770	IABP	665	-	X	X	X	-	-	-	-	-	-	-	O	0102-2802	64.96	-35.97
6400528	61471310	CMM	696	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	68.44	10.82
6400530	61470290	CMM	695	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	75.63	10.44
6400532	137804	DBCP	689	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	56.29	-9.18
6400547	61473300	CMM	695	-	-	X	-	X	-	-	X	-	-	-	T	0102-2902	68.48	1.01
6400538	62554760	IABP	552	-	X	X	X	-	-	-	-	-	-	-	O	0102-2902	67.15	-31.87
6400748	62782480	AWI	505	-	X	X	X	X	-	-	-	-	-	-	O	0102-2902	86.77	-55.45
6400749	62784540	AWI	639	-	X	X	X	-	-	-	-	-	-	-	O	0102-2902	85.54	-22.25

Abbreviations

WMO : WMO id.
Telcom : Telcom id.
Typ : Buoy type
 - first character : Manufacturer (D = DBI , 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 = CLS Toulouse, L = CLS America, O = Other)
Start_end : first and last dates of the month for which GTS data were received at Meteo-France
Lat : Latitude of the latest position
Lon : Longitude of the latest position
Age : Age of the buoy (days)
DepDate : Date of deployment
DepLat : Latitude of deployment
Dep Lon : Longitude of Deployment
From : Harbour of departure

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

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MOORED BUOYS

Former EGOS stations (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	697	X	X	X	X	X	X	X	-	-	X	-	T	0102-2902	43.40	7.80
6100002	Lion	696	X	X	X	-	X	X	X	-	-	X	S	T	0102-2902	42.10	4.70
6200001	Gascogne	696	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	45.30	-5.00
6200029	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.70	-12.50
6200081	K2	715	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	693	X	X	X	-	X	X	-	-	-	X	-	O	0102-2902	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50
6200093	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.70	-9.10
6200094	M5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.70	-6.70
6200095	M6	507	-	-	X	X	X	X	-	-	-	-	-	O	0102-2802	53.10	-15.90
6200105	K4	671	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	695	X	X	X	X	X	X	X	-	-	X	-	O	0102-2902	47.50	-8.40
6400045	K5	703	-	X	X	X	X	X	-	-	-	X	-	O	0102-2902	59.10	-11.70
6400046	K7	449	X	X	X	-	X	X	-	-	-	X	-	O	1002-2902	60.70	-5.20

Comments:

- EUMETNET moored buoys are presented in bold characters.

Former 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	695	X	X	X	-	X	X	X	-	-	-	-	O	0102-2902	28.18	-15.82
1300131	Tenerife Sur	696	X	X	X	-	X	X	X	-	-	-	-	O	0102-2902	28.00	-16.58
6100196	C. Begur	694	X	X	X	-	-	X	X	-	-	-	-	O	0102-2902	41.92	3.65
6100197	Mahon	183	X	X	X	-	-	X	X	-	-	-	-	O	2202-2902	39.72	4.42
6100198	C. de Gata	695	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	36.57	-2.33
6100280	Tarragona	573	X	X	X	-	X	X	X	-	-	-	X	O	0502-2902	40.77	1.47
6100281	Valencia	695	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	39.47	-0.27
6100417	C. de Palos	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.65	-0.32
6100430	Dragonera	696	X	X	X	-	X	X	X	-	-	-	-	O	0102-2902	39.56	2.11
6200024	Bilbao-Visc.	696	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	43.63	-3.03
6200025	C. de Penas	694	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	43.73	-6.17
6200082	E. de Bares	697	X	S	X	-	X	X	X	-	-	-	X	O	0102-2902	44.13	-7.69
6200083	Villano-Sis.	494	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	43.48	-9.22
6200084	C. Silleiro	516	S	S	S	-	S	S	S	-	-	-	S		0102-2202	42.12	-9.43
6200085	G. de Cadiz	696	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	36.48	-6.97
6201030	Santander	687	X	X	X	-	X	X	X	-	-	-	X	O	0102-2902	43.84	-3.77

Comments:

- The EUMETNET buoy is presented in bold characters.

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		178	X	-	X	-	-	X	-	-	-	-	-	O	0102-2902	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		160	X	X	-	-	-	X	-	-	-	-	-	O	0702-2902	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		-	-	-	-	-	-	-	-	-	-	-			33.60	31.90
6100010	Italia-1		-	-	-	-	-	-	-	-	-	-	-			43.80	9.10
6200027	Jersey	215	X	-	X	X	-	X	-	-	-	-	-	O	0102-2902	49.08	-22.20
6200030	L4	138	-	S	S	-	-	-	-	-	-	S	-		0102-1202	50.25	-4.22
6200050	E1		-	-	-	-	-	-	-	-	-	-	-			50.04	-4.37
6200086	NSB II	536	X	X	X	X	X	-	-	-	-	X	-	O	0102-2902	55.00	6.40
6200087	NSB III		-	-	-	-	-	-	-	-	-	-	-			54.70	6.80
6200191	Porto		-	-	-	-	-	-	-	-	-	-	-			41.15	-9.57
6200192	Peniche		-	-	-	-	-	-	-	-	-	-	-			39.50	-9.65
6200303	Turbo Bank	381	X	S	X	X	X	X	-	-	-	-	-	O	0102-2902	51.60	-5.10
6200442	PAP	553	S	-	-	-	-	-	-	-	-	-	-		0102-2302	49.00	-16.40
6600021	Arkona Becken	693	X	X	-	-	X	-	-	-	-	-	-	O	0102-2902	54.90	13.90
6600022	Oder Bank		-	-	-	-	-	-	-	-	-	-	-			54.10	14.20
6600024	Darsser Schwelle	203	S	S	-	-	S	S	-	-	-	-	-		0102-1002	54.70	12.70

Other offshore moored buoys inside the EUMETNET area

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
1300001		648	X	X	X	-	-	-	-	-	-	X	-	O	0102-2902	11.47	-23.00
1300008		688	X	X	X	-	X	-	-	-	-	X	-	L	0102-2902	14.98	-38.02
1300308	East Atlantic		-	-	-	-	-	-	-	-	-	-	-			15.00	-38.00
4100026		314	X	X	-	-	X	-	-	-	-	X	-	L	0102-2902	11.49	-38.40
4100040	West Atlantic	719	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	14.50	-53.00
4100041	Mid. Atlantic	717	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	14.50	-46.00
4100043	Porto Rico	724	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	21.00	-65.00
4100044		718	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	21.70	-58.70
4100046		723	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	23.90	-70.90
4100047			-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
4100048		722	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	32.00	-69.60
4100049		720	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	27.50	-53.00
4100139		640	X	X	X	-	X	-	-	-	-	X	-	L	0102-2902	20.02	-37.86
4100300	Antilles	10	X	X	X	S	X	X	-	-	-	S	-	T	2402-2902	15.85	-57.47
4200059	Caraibes	724	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	15.00	-67.50
4400008	A Nantucket	725	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	40.50	-69.40
4400011	D Georges Bk	725	-	X	X	X	X	X	-	-	-	X	-	O	0102-2902	41.10	-66.60
4400018	SE Cape Cod	725	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	41.30	-69.30
4400024	NNE Channel	633	X	X	X	-	X	X	-	-	-	-	-	O	0102-2902	42.30	-65.90
4400137	E Scotia Sl.	691	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	42.30	-62.00
4400138	SW Gd Banks		-	-	-	-	-	-	-	-	-	-	-			44.30	-53.60
4400139	Beanquereau	678	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	44.30	-57.10
4400140	Tail of Bk		-	-	-	-	-	-	-	-	-	-	-			43.80	-51.70
4400141	Larentian F	673	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	43.00	-58.00
4400150	La Have Bk	663	X	-	X	X	X	X	-	-	-	-	-	O	0102-2902	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, February 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160229	1300868	11686410	696	0	0.3	0.5
20160229	1300869	11688410	696	0	0.3	0.5
20160229	1300871	61516870	675	0	0.6	0.4
20160229	1300872	61611050	696	0	0.6	0.4
20160229	1500681	61661310	696	0	-0.2	0.3
20160229	1500682	61663300	696	0	0.5	0.7
20160229	1500683	61663370	696	0	0.7	0.4
20160229	1500684	62328350	696	0	-0.5	0.4
20160229	1500685	62854900	696	0	0.3	0.5
20160229	1500686	62959110	696	0	-0.2	0.5
20160229	1500688	62958430	678	0	-0.1	0.5
20160223	2500617	61767070	541	1	-0.3	1.6
20160229	2500622	62850900	696	0	-0.2	0.5
20160229	2500623	62955110	696	0	0.2	0.5
20160229	4100729	62321360	696	0	0.4	0.6
20160229	4100730	62326350	696	0	0.6	0.9
20160229	4100731	62329360	696	0	0.3	0.7
20160229	4100970	60213790	693	0	0.3	0.7
20160229	4100972	60217780	696	0	-0.0	0.5
20160229	4400513	61475450	696	0	0.6	0.8
20160229	4400515	61476450	695	3	0.1	1.0
20160229	4400517	61477390	696	0	0.4	0.5
20160229	4400546	11160640	696	0	-0.1	0.5
20160229	4400547	60173710	696	0	0.2	1.4
20160229	4400548	11799230	696	0	0.2	0.7
20160203	4400549	60896130	12	0	-1.3	2.4
20160229	4400551	60892140	696	0	0.2	0.6
20160229	4400557	61568540	696	0	0.5	0.6
20160208	4400601	60890150	187	0	-0.6	0.9
20160229	4400608	11093800	696	0	0.1	0.7
20160209	4400609	61613050	205	0	0.5	0.9
20160229	4400613	11475040	696	0	-0.0	0.4
20160229	4400614	61661340	688	0	-0.2	0.9
20160229	4400624	11341110	682	0	-0.1	0.5
20160229	4400625	61668340	690	0	0.2	0.8
20160229	4400739	61516840	696	0	0.5	0.5
20160229	4400740	11883820	696	0	-0.1	0.6
20160229	4400744	62953450	696	0	0.2	0.9
20160229	4400746	62850730	696	0	0.7	0.9
20160229	4400747	62327370	696	0	0.1	0.7
20160222	4400760	61662360	510	3	-0.8	1.2
20160229	4400761	61669320	696	0	-0.4	0.7
20160216	4400763	61667330	362	0	0.4	0.7
20160229	4400765	62325370	670	0	0.5	0.9
20160229	4400766	62326340	696	0	0.3	0.8
20160229	4400764	61662330	696	0	-0.4	0.7
20160229	4400768	62322360	696	0	0.8	0.5
20160229	4400769	62328360	696	0	0.4	1.0
20160229	4400772	62950440	696	2	-0.2	0.9
20160229	4400773	11595650	490	0	-0.2	0.9
20160229	4400775	61476400	696	0	0.5	0.8
20160229	4400776	61474410	695	0	0.5	0.4
20160229	4400777	62854730	696	0	0.3	0.9
20160229	4400778	61475430	696	0	0.2	0.4
20160229	4400779	62951460	696	1	0.4	1.2
20160229	4400835	60218770	696	0	-0.3	0.4
20160229	4400836	60218680	696	0	0.2	0.6
20160229	4400837	60209590	696	0	-0.0	0.4
20160229	4400839	60205090	696	0	-0.1	0.5
20160229	4400846	60441290	694	0	0.5	0.4
20160229	4400848	60448280	693	0	0.3	0.4
20160229	4400863	60211690	696	0	-0.4	0.6

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20160229	4400866	11793240	696	0	-0.1	0.5
20160229	4400867	11593590	528	6	-0.1	0.7
20160229	4400868	11794230	696	0	0.2	0.7
20160204	4400872	60202920	86	23	-1.6	1.5
20160229	4400873	61612060	696	0	1.1	0.4
20160229	4400874	62858910	696	0	0.4	1.1
20160229	4400878	60528170	696	0	0.1	0.7
20160204	4400880	60556880	85	0	0.1	0.4
20160229	4400885	60218780	696	0	-0.1	0.5
20160229	4400887	60251440	696	0	-0.1	0.4
20160229	4400888	60359010	696	0	-0.2	0.7
20160229	4400889	60202320	696	0	-0.0	0.5
20160229	4400890	12000230	696	0	0.0	0.8
20160229	4400891	12007220	696	0	-0.1	0.6
20160229	4400901	61472460	297	0	-0.1	0.6
20160229	4400902	61471430	297	0	0.1	0.6
20160226	4400903	61471410	220	0	-0.0	0.5
20160229	4400904	61471420	278	1	-0.4	0.6
20160229	6200513	61665360	696	0	-0.2	0.9
20160229	6200539	60891140	696	0	0.2	1.5
20160229	6200553	11165650	696	0	-0.0	0.8
20160229	6200554	62952460	696	0	0.5	0.8
20160229	6200555	61515850	696	0	0.5	0.8
20160229	6200556	61510860	696	0	0.9	0.6
20160229	6200557	62328340	695	0	0.1	0.9
20160201	6200695	60408990	13	2	-8.8	0.5
20160229	6200713	11246980	694	0	-0.2	0.6
20160229	6200714	11240980	693	0	-0.2	0.5
20160229	6200940	60203850	696	0	-0.1	0.4
20160229	6200941	60207590	696	0	-0.2	0.5
20160204	6300645	60892150	78	11	-1.4	2.7
20160229	6400519	61518850	689	1	0.3	0.4
20160229	6400521	11470030	696	22	-0.2	2.0
20160229	6400523	61510870	527	3	-0.0	0.5
20160229	6400524	61619040	696	0	-0.1	0.5
20160229	6400525	60175710	528	1	0.3	0.8
20160229	6400526	61611070	504	0	-0.2	1.6
20160229	6400549	60898120	696	0	-0.3	0.7
20160205	6400550	11463700	115	4	-0.7	2.7
20160229	6400551	11795230	696	0	0.6	1.1
20160229	6400553	62954270	696	0	0.1	0.4
20160229	6400554	62958280	696	0	0.4	0.6
20160229	6400555	62955280	696	0	0.3	0.6
20160229	6400560	62956270	696	0	0.2	0.9
20160202	6400561	62950280	28	19	-8.1	0.5
20160229	6400562	62957280	686	0	-0.0	0.8
20160229	6400606	61515870	696	0	0.4	0.5
20160218	6400621	61614070	405	0	0.3	0.6
20160225	6400623	11470040	421	17	-1.6	2.9
20160229	6400666	60179710	696	14	0.6	1.8
20160229	6400667	61615060	662	0	-0.3	1.0
20160208	6400668	60177860	169	0	0.2	0.9
20160229	6400694	11548420	577	37	-0.5	1.5
20160229	6500514	62954450	696	2	0.4	0.9
20160229	6500515	62858710	299	0	-0.2	2.5
20160229	6500519	61666340	696	0	0.2	0.9
20160229	6500596	61511850	689	0	0.2	1.0
20160229	6500599	62326370	696	0	-0.1	1.2
20160229	6500601	62320360	696	0	0.3	0.9
20160229	6500602	62323360	696	0	-0.5	0.8
20160220	6500603	62959440	284	12	0.5	0.7

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Air Pressure (hPa), moored buoys, February 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160229	1300130		695	0	0.2	0.6
20160229	1300131		696	0	0.5	0.7
20160229	6100001		694	0	0.0	0.7
20160229	6100002		696	0	0.4	0.7
20160229	6100196		694	0	0.0	0.8
20160229	6100197		183	0	-0.7	1.7
20160229	6100198		695	0	0.1	0.7
20160229	6100280		573	0	0.4	0.8
20160229	6100281		695	0	-0.1	0.9
20160229	6100430		696	0	0.1	0.8
20160229	6101003		177	0	-0.0	0.7
20160229	6200001		696	0	0.1	0.6
20160229	6200024		696	0	0.2	0.7
20160229	6200025		694	0	0.1	0.8
20160229	6200027		191	0	0.1	0.7
20160212	6200030		138	0	0.1	0.5
20160229	6200081		696	0	-0.0	0.7
20160229	6200082		695	0	0.6	0.6
20160229	6200083		494	0	0.1	0.9
20160222	6200084		516	19	-0.7	3.3
20160229	6200085		696	0	0.2	0.7
20160229	6200086		532	0	-0.4	0.6
20160229	6200091		693	0	-0.2	0.7
20160228	6200095		506	0	0.3	0.8
20160229	6200105		541	0	-0.1	0.7
20160229	6200163		695	0	-0.0	0.6
20160229	6200303		349	3	0.7	0.6
20160229	6400045		674	0	0.2	0.8
20160229	6400046		448	0	0.2	0.7

Air Temperature (C), moored buoys, February 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160229	1300130		695	0	1.0	0.6
20160229	1300131		696	0	0.6	0.7
20160229	6100001		693	0	-0.5	0.5
20160229	6100002		696	0	-0.1	0.5
20160229	6100196		692	0	-0.4	0.6
20160229	6100197		183	0	1.9	0.5
20160229	6100198		695	0	-0.4	0.7
20160229	6100280		573	0	-0.1	0.7
20160229	6100281		693	0	-0.1	0.7
20160229	6100430		695	0	2.5	1.0
20160229	6101008		160	0	1.0	0.8
20160229	6200001		696	0	-0.4	0.6
20160229	6200024		694	0	0.1	0.8
20160229	6200025		692	0	-0.2	1.0
20160212	6200030		138	0	-1.1	0.5
20160229	6200081		696	0	-0.4	0.7
20160222	6200082		509	104	5.4	4.4
20160229	6200083		494	0	-0.5	0.6
20160222	6200084		516	0	0.0	0.6
20160229	6200085		696	0	-0.2	0.5
20160229	6200086		529	0	-0.3	0.6
20160229	6200091		693	0	-0.3	0.5
20160229	6200105		651	0	-0.6	0.8
20160229	6200163		694	0	-0.3	0.6
20160228	6200303		194	0	-0.3	0.5
20160229	6400045		684	0	-0.8	0.8
20160229	6400046		448	0	-0.9	0.6
20160229	6600021		693	0	0.2	0.4
20160210	6600024		203	0	0.7	0.5

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Wind direction (deg.), moored buoys, February 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160229	1300130		694	10	12	15
20160229	1300131		693	58	-0	24
20160229	6100001		691	50	-1	31
20160229	6100002		696	9	0	18
20160229	6100196		691	31	-3	27
20160229	6100197		183	2	-15	22
20160229	6100198		681	28	-3	22
20160229	6100280		566	19	-8	28
20160229	6100281		692	18	1	31
20160229	6100430		695	28	-6	32
20160229	6101003		178	33	-10	44
20160229	6101008		160	55	83	48
20160229	6200001		694	7	-3	17
20160229	6200024		687	7	-4	27
20160229	6200025		693	37	-2	28
20160229	6200027		153	1	6	26
20160229	6200081		696	0	-7	14
20160229	6200082		686	15	-2	17
20160229	6200083		493	5	3	20
20160222	6200084		496	2	12	17
20160229	6200085		692	8	2	18
20160229	6200086		529	120	90	52
20160229	6200091		692	4	-3	13
20160229	6200105		580	7	-0	15
20160229	6200163		694	1	0	14
20160229	6200303		364	1	-1	19
20160220	6200442		458	0	7	13
20160229	6400046		448	0	4	16
20160229	6600021		693	12	-5	16
20160210	6600024		203	0	-2	9

Wind speed rate, moored buoys, February 2016

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20160229	1300130		694	0	0.9	2.3
20160229	1300131		693	3	1.0	3.8
20160229	6100001		691	1	1.3	2.2
20160229	6100002		696	0	1.0	1.9
20160229	6100196		691	0	1.0	2.5
20160229	6100197		183	0	1.1	1.9
20160229	6100198		681	0	0.8	2.0
20160229	6100280		566	0	1.1	2.0
20160229	6100281		692	0	1.2	2.4
20160229	6100430		695	0	1.1	2.1
20160229	6101003		178	2	0.8	3.1
20160229	6101008		160	10	0.0	0.0
20160229	6200001		694	0	1.0	1.7
20160229	6200024		687	0	1.0	2.0
20160229	6200025		693	0	0.8	2.3
20160229	6200027		153	0	1.1	2.0
20160229	6200081		696	0	0.9	1.6
20160229	6200082		686	1	0.9	1.8
20160229	6200083		493	1	0.9	1.4
20160222	6200084		496	1	1.0	1.7
20160229	6200085		692	0	0.8	1.7
20160229	6200086		529	69	0.2	12.0
20160229	6200091		692	0	0.9	1.6
20160229	6200105		580	2	1.0	1.7
20160229	6200163		694	1	1.0	1.4
20160229	6200303		364	0	1.0	1.3
20160220	6200442		458	0	0.9	1.4
20160229	6400046		448	0	1.0	1.8
20160229	6600021		693	1	1.1	1.4
20160210	6600024		203	0	1.0	1.2

Comments on QC statistics :

Air pressure

1. Metocean buoys WMO **6200539, 6400521, 6400526, 6400666, 6400694** and **6500515** temporarily reported wrong pressure values during February for unknown reasons.
2. Metocean buoy WMO **2500617 and 6400623** reported wrong pressure values at the beginning of the month before their transmission was stopped.
3. Metocean buoy WMO **6400561** reported wrong pressure values at the end of February before transmission was stopped.
4. Metocean buoy WMO **6300645 and 6400550** reported wrong pressure values before stopping to emit without reason.
5. Metocean buoy WMO **4400549, 4400872 and 6500603** reported wrong pressure values before they ashored during February.
6. Metocean buoy WMO **6200695** reported wrong pressure values at the beginning of February before transmission was stopped due to low battery.
7. Spanish moored buoy WMO **6100197** reported wrong pressure values since 28th of February.
8. Eumetnet moored buoy **C. Silleiro** WMO **6200084** reported wrong pressure values between 14th and 22th of February before being stopped.

Air Temperature

1. Spanish moored buoy WMO **6200082** reported wrong air temperature values since 9th of February before transmission was stopped.
2. Eumetnet Spanish moored buoy WMO **6100197** and **6100430** continued to report air temperature values with a systematic bias of about 2 °C.

Wind

1. European moored buoy WMO **6200086** NSB II and Greek moored buoy WMO **6101008** continued to report abnormal calm winds onto the GTS since the beginning of the month.

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 June be displayed/downloaded at http://esurfmar.meteo.fr/doc/r/surfmar/others/e-surfmar_monitoring.pdf.