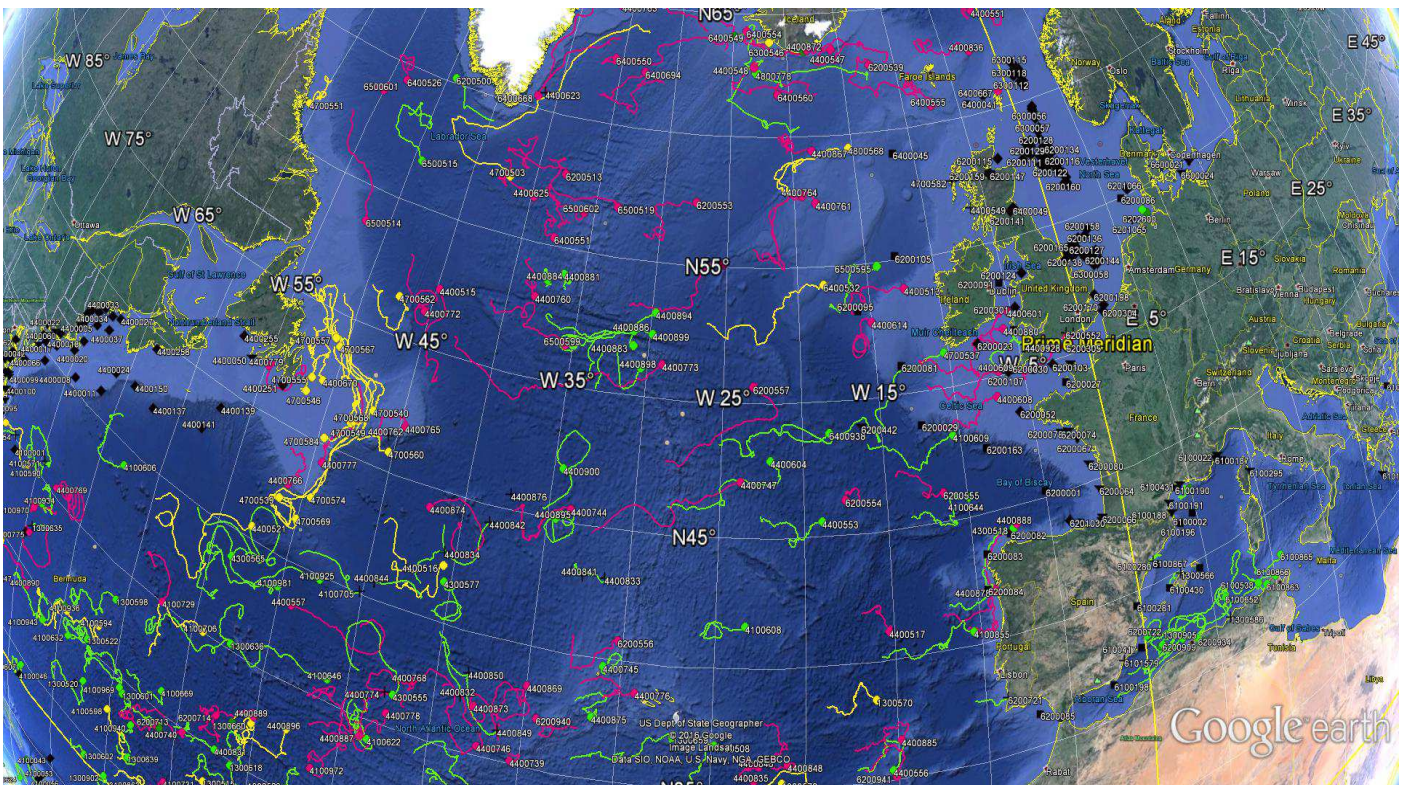


DATA BUOY MONTHLY REPORT

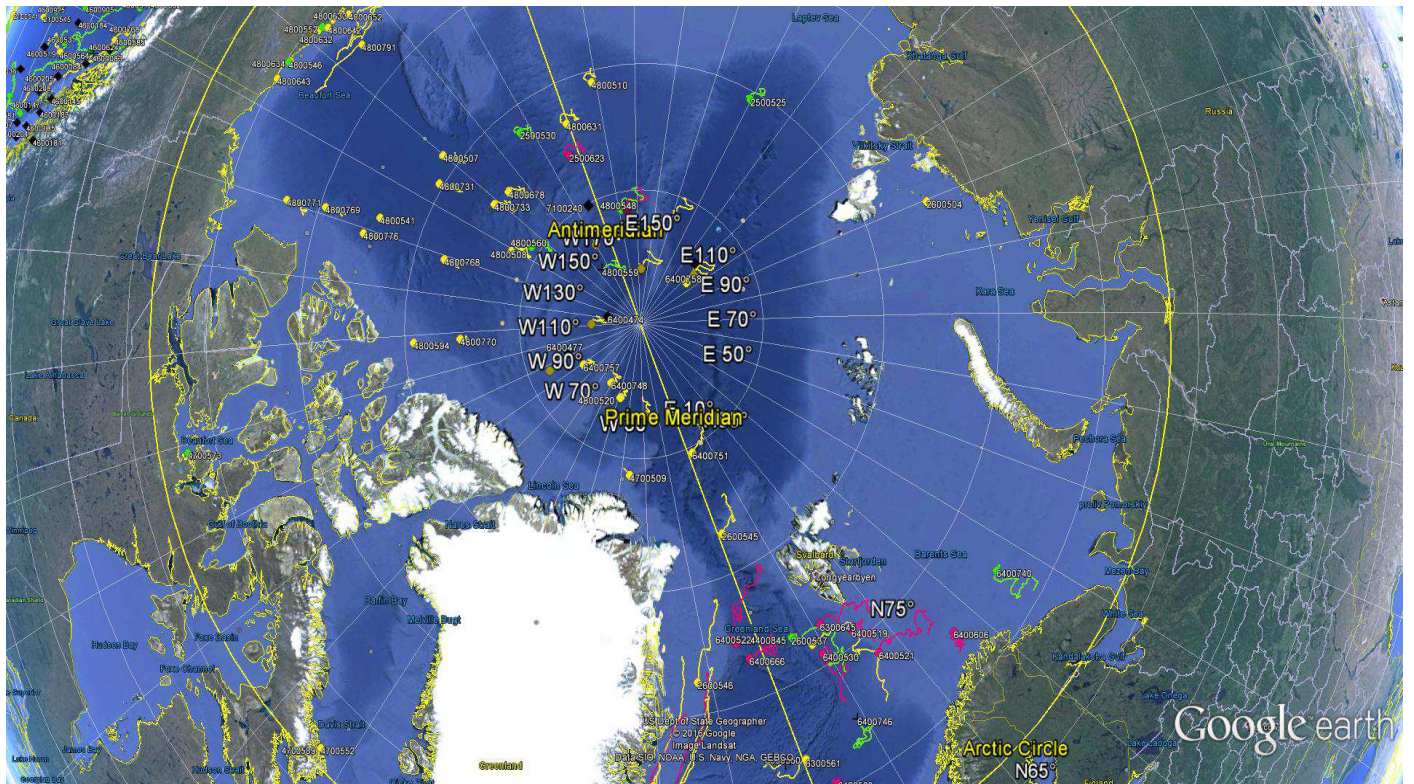
January 2016



January 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 January 2016



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

DRIFTING BUOYS

Network status

By the end of January, **110 Drifting buoys**, reporting air pressure onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 78 were E-SURFMAR funded Iridium SVP-Bs, including 4 in the Arctic, 7 in AtlantOS activities and 4 HRSST-2 buoys. The remaining buoys were: 32 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, 66 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
6400561	62950280	MSB	EU	20160131	61.4	-12.0	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	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	32.79	-13.75	437
1300869	11688410	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	22.97	-41.99	435
1300871	61516870	MSB	EU	741	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	30.09	-33.24	323
1300872	61611050	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	24.87	-30.19	324
2500617	61767070	MSB	EU	744	-	-	X	-	X	-	-	-	-	-	-	T	0101-3101	67.54	-26.56	498
2500618	11020180	MSB	EU	744	-	-	X	-	-	-	-	X	-	-	-	T	0101-3101	71.19	-18.44	286
2500622	62850900	MSB	EU	744	-	-	X	-	-	-	-	-	-	-	-	T	0101-3101	85.73	165.81	147
2500623	62955110	MSB	EU	744	-	-	X	-	-	-	-	-	-	-	-	T	0101-3101	82.95	-176.75	140
4100707	62957110	MSB	EU	744	-	-	X	-	-	-	-	X	-	-	-	T	0101-3101	13.77	-61.05	199
4100708	62958100	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	14.41	-41.92	198
4100729	62321360	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	35.14	-57.36	250
4100730	62326350	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	28.86	-78.27	249
4100731	62329360	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	26.59	-55.36	255
4100970	60213790	PSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	33.45	-69.32	906
4100972	60217780	PSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	31.82	-46.30	906
4400513	61475450	DSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	53.92	-12.48	329
4400515	61476450	DSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	52.29	-44.76	331
4400517	61477390	DSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	41.17	-15.33	328
4400546	11160640	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	28.43	-46.76	1048
4400547	60173710	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	63.47	-15.81	539
4400548	11799230	MSB	E2	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	62.78	-23.05	539
4400551	60892140	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	64.16	-0.75	512
4400557	61568540	DSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	38.34	-49.04	201
4400601	60890150	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	52.35	-5.34	511
4400608	11093800	MSB	E2	744	-	-	X	-	-	-	-	X	-	-	-	T	0101-3101	49.28	-7.19	479
4400609	61613050	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	50.20	-6.78	361
4400613	11475040	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	25.90	-39.39	1062
4400614	61661340	MSB	EU	742	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	52.82	-15.05	642
4400624	11341110	YSB	EU	735	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	26.10	-41.61	1147
4400625	61668340	MSB	EU	696	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	56.66	-39.77	640
4400739	61516840	PSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	35.21	-35.45	608
4400740	11883820	PSB	UP	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	29.91	-54.45	1303
4400744	62953450	MSB	EU	746	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	45.51	-33.66	189
4400746	62850730	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	35.48	-37.30	185
4400747	62327370	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	47.12	-23.79	91
4400760	61662360	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	53.01	-38.09	360
4400761	61669320	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	57.42	-18.38	360
4400763	61667330	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	64.86	-36.17	323

E-SURFMAR DB Monthly Report January 2016

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	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-15.15	-20.35	289
1500682	61663300	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-12.48	-7.25	290
1500683	61663370	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-13.74	-35.24	291
1500684	62328350	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-8.09	-30.85	290
1500685	62854900	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-13.51	-13.84	157
1500686	62959110	MSB	EU	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-7.49	-17.86	157
1500688	62958430	MSB	EU	718	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	-2.63	-15.90	157

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
4400549	60896130	MSB	EU	20160129	56.5	-6.3	510	Ashore in Scotland
4400623	61669330	MSB	EU	20160129	60.7	-41.1	358	Unknown
4400762	61664310	MSB	EU	20160103	46.4	-45.5	331	Unknown
4400774	61477400	DSB	UP	20160120	36.5	-42.7	431	Unknown
4400871	11790240	MSB	E2	20160128	50.8	-0.9	581	Ashore in Wesr Sussex (U.K.)
6200552	11797240	MSB	E2	20160107	50.9	-1.4	455	Ashore in Bornemouth (U.K.)

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
4100638	62955440	MSB	EU	744	-	-	S	-	X	-	-	X	-	-	-	T	0101-3101	15.90	-59.39	200
4100969	60213780	PSB	UP	735	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	29.60	-59.31	907
4400604	11794240	MSB	E2	744	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	47.90	-22.01	481
4400745	62956440	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	39.75	-30.97	186
4400773	11595650	MSB	EU	663	-	-	S	-	-	-	-	X	-	-	-	T	0401-3101	51.28	-29.02	41
4400869	61615050	MSB	EU	744	-	-	S	-	X	-	-	X	-	-	-	T	0101-3101	38.45	-34.95	180
4400875	61616040	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	37.66	-31.38	181
6200516	11475100	MSB	EU	744	-	-	S	-	X	-	-	X	-	-	-	T	0101-3101	22.95	-56.04	1000
6200695	60408990	MSB	E2	744	-	-	S	-	X	-	-	X	-	-	-	T	0101-3101	24.84	-49.40	1000
6400522	61511870	MSB	EU	670	-	-	S	-	X	-	-	X	-	-	-	T	0101-3101	77.42	-3.95	527
6400561	62950280	MSB	EU	10	-	-	S	-	S	-	-	-	-	-	-	T	3101-3101	61.38	-11.86	1
6500515	62858710	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	56.68	-49.24	168
6500595	11595570	MSB	EU	744	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	54.88	-14.25	594
6500603	62959440	MSB	EU	744	-	-	S	-	X	-	-	X	-	-	-	T	0101-3101	68.01	-53.72	141

Non-operating drifting buoys which ceased to emit

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
2500624	60247420	MSB	EU	20160114	65.8	-14.4	867	Ashore in Iceland
6500511	62857900	MSB	EU	20160128	63.8	-57.1	137	Unknown

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	713	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	28.18	-52.72
1300517	114943	AOML	694	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	17.91	-57.22
1300519	127004	AOML	695	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	19.62	-46.19
1300530	114916	AOML	691	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	14.25	-25.90
1300569	114880	AOML	680	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	29.90	-36.17
1300570	116474	AOML	739	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	38.51	-16.17
1300572	127002	AOML	746	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	35.33	-21.25
1300633	109491	AOML	734	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	31.80	-21.87
1300660	11022040	UKMO	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	32.43	-50.16
1300661	62325770	UKMO	744	-	-	X	-	-	-	-	X	-	-	-	T	0101-3101	16.26	-38.98
1300665	62327760	UKMO	744	-	-	X	-	-	-	-	X	-	-	-	T	0101-3101	24.37	-22.89

E-SURFMAR DB Monthly Report January 2016

1500951	10450430	CMM	594	-	-	X	-	-	-	X	-	-	-	T	0101-3101	4.00	9.21	
2100942	119223	UKMO	730	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	29.03	-45.51
2500575	137812	APL	746	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	66.20	-34.20
2600537	61369210	IABP	711	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	76.04	8.41
2600545	62556750	IABP	738	-	X	X	X	-	-	-	-	-	-	-	O	0101-3101	81.55	1.15
2600546			729	-	X	X	X	-	-	-	-	-	-	-	O	0101-3101	76.32	-12.34
3100863	61611040	CMM	659	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	24.48	-57.99
4100594	127029	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	31.59	-61.63
4100597	61512840	AOML	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	24.31	-56.22
4100598	61610040	AOML	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	27.92	-60.03
4100635	61475300	CMM	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	19.53	-48.83
4100706	11595580	AOML	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	35.12	-54.21
4100711	11477030	CMM	744	-	-	X	-	X	-	-	X	-	-	-	T	0101-3101	35.03	-19.99
4100936	109488	AOML	732	-	-	X	X	-	-	-	X	-	-	-	L	0101-3101	30.70	-64.45
4100975	109439	AOML	735	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	29.82	-23.34
4400516	114599	AOML	702	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	42.28	-40.56
4400521	133133	AOML	740	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	40.58	-52.65
4400558	123286	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	29.79	-43.10
4400670			715	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	47.31	-50.79
4400896	109438	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	33.05	-47.98
4700503	137813	APL	731	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	57.19	-42.01
4700509	62553800	IABP	733	-	X	X	X	-	-	-	-	-	-	-	O	0101-3101	84.38	-26.34
4700539			696	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	42.24	-51.40
4700540			697	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	47.05	-46.92
4700546			705	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	46.64	-51.70
4700549			700	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	46.25	-48.14
4700551		EC	743	-	-	X	X	S	-	-	-	-	-	-	O	0101-3101	56.71	-60.66
4700552		EC	690	-	-	X	X	-	-	-	-	-	-	-	O	0101-3101	67.39	-63.27
4700555			744	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	47.24	-51.60
4700557			682	-	-	X	X	X	-	-	-	-	-	-	O	0101-3101	49.05	-50.83
4700560			744	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	45.77	-45.26
4700562			694	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	51.51	-47.39
4700567			705	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	48.80	-50.37
4700568			705	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	46.36	-47.98
4700569			649	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	41.77	-49.99
4700574			678	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	42.85	-49.40
4700584			698	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	45.27	-49.58
4700589		EC	702	-	-	X	X	S	-	-	-	-	-	-	O	0101-3101	67.39	-63.30
4800520	132472	IABP	613	-	X	X	-	X	-	-	X	-	-	-	L	0101-3101	87.14	-38.25
4800568	61363210	IABP	696	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	59.47	-15.36
6300546	61361200	IABP	642	-	-	X	X	X	-	-	X	-	-	-	O	0101-3101	63.83	-21.59
6300561	60654200	AOML	742	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	71.93	0.38
6300923	62551770	IABP	552	-	X	X	X	-	-	-	-	-	-	-	O	0101-3101	71.61	-18.12
6400532	137804	DBCP	743	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	54.34	-18.20
6400537	62923840	IABP	238	-	X	X	X	X	-	-	-	-	X	-	O	0101-3101	69.17	-21.49
6400538	62554760	IABP	700	-	X	X	X	-	-	-	-	-	-	-	O	0101-3101	72.24	-20.87
6400748	62782480	AWI	692	-	X	X	X	X	-	-	-	-	-	-	O	0101-3101	87.51	-50.04
6400749	62784540	AWI	677	-	X	X	X	-	-	-	-	-	-	-	O	0101-3101	86.58	-18.64
6400751	62785480	AWI	681	-	X	X	X	X	-	-	-	-	-	-	O	0101-3101	84.77	2.00

E-SURFMAR DB Monthly Report January 2016

----- 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.

----- 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	738	X	X	X	X	X	X	X	-	-	X	-	T	0101-3101	43.40	7.80
6100002	Lion	743	X	X	X	-	X	X	X	-	-	X	X	T	0101-3101	42.10	4.70
6200001	Gascogne	744	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	45.30	-5.00
6200029	K1	205	S	S	S	S	S	S	-	-	-	S	-	-	0101-0901	48.70	-12.50
6200081	K2	744	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	51.00	-13.20
6200090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
6200091	M2	726	X	X	X	-	X	X	-	-	-	X	-	O	0101-3101	53.50	-5.40
6200092	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20	-10.50
6200093	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.70	-9.10
6200094	M5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.70	-6.70
6200095	M6	703	X	-	X	X	X	X	-	-	-	-	-	O	0101-3101	53.10	-15.90
6200105	K4	677	X	X	S	X	X	X	-	-	-	-	-	O	0101-3101	55.80	-11.40
6200108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
6200163	Brittany	744	X	X	X	X	X	X	X	-	-	X	-	O	0101-3101	47.50	-8.40
6400045	K5	743	-	X	X	X	X	X	-	-	-	X	-	O	0101-3101	59.10	-11.70
6400046	K7	684	X	X	X	-	X	X	-	-	-	X	-	O	0101-2901	60.70	-5.20

Comments:

E-SURFMAR DB Monthly Report January 2016

- 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	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	28.18	-15.82
1300131	Tenerife Sur	744	X	X	X	-	X	X	X	-	-	-	S	O	0101-3101	28.00	-16.58
6100196	C. Begur	742	X	X	X	-	-	X	X	-	-	-	-	O	0101-3101	41.92	3.65
6100197	Mahon	464	S	S	S	-	-	S	S	-	-	-	-		0101-2001	39.72	4.42
6100198	C. de Gata	739	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	36.57	-2.33
6100280	Tarragona	107	S	S	S	-	S	S	S	-	-	-	S		0101-0501	40.77	1.47
6100281	Valencia	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	39.47	-0.27
6100417	C. de Palos	541	S	S	S	-	S	S	S	-	-	-	S		0101-2301	37.65	-0.32
6100430	Dragonera	744	X	X	X	-	S	X	X	-	-	-	-	O	0101-3101	39.56	2.11
6200024	Bilbao-Visc.	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	43.63	-3.03
6200025	C. de Penas	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	43.73	-6.17
6200082	E. de Bares	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	44.13	-7.69
6200083	Villano-Sis.	268	X	X	X	-	X	X	X	-	-	-	X	O	0701-3101	43.48	-9.22
6200084	C. Silleiro	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	42.12	-9.43
6200085	G. de Cadiz	744	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	36.48	-6.97
6201030	Santander	635	X	X	X	-	X	X	X	-	-	-	X	O	0101-3101	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		180	X	-	X	-	-	X	-	-	-	-	-	O	0101-3101	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		108	S	S	-	-	-	S	-	-	-	-	-		0101-1601	36.80	21.60
6101009			-	-	-	-	-	-	-	-	-	-	-			38.00	20.60

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	244	X	-	X	X	-	X	-	-	-	-	-	O	0101-3101	49.08	-22.20
6200030	L4	566	-	X	X	-	-	-	-	-	-	X	-	O	0101-2901	50.25	-4.22
6200050	E1		-	-	-	-	-	-	-	-	-	-	-			50.04	-4.37
6200086	NSB II	706	X	X	X	X	X	-	-	-	-	X	-	O	0101-3101	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	129	X	X	X	X	X	X	-	-	-	S	-	O	0101-3001	51.60	-5.10
6200442	PAP	762	X	-	-	-	-	-	-	-	-	-	-	O	0101-3101	49.00	-16.40
6600021	Arkona Becken	739	X	X	-	-	X	-	-	-	-	-	-	O	0101-3101	54.90	13.90
6600022	Oder Bank		-	-	-	-	-	-	-	-	-	-	-			54.10	14.20
6600024	Darsser Schwelle	686	X	X	-	-	X	X	-	-	-	-	-	O	0101-3101	54.70	12.70

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

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		708	X	X	X	-	-	-	-	-	-	X	-	O	0101-3101	11.47	-23.00
1300008		730	X	X	X	-	X	-	-	-	-	X	-	L	0101-3101	14.98	-38.02
1300308	East Atlantic	-	-	-	-	-	-	-	-	-	-	-	-	-		15.00	-38.00
4100026		346	X	X	-	-	X	-	-	-	-	X	-	L	0101-3101	11.49	-38.40
4100040	West Atlantic	764	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	14.50	-53.00
4100041	Mid. Atlantic	772	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	14.50	-46.00
4100043	Porto Rico	772	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	21.00	-65.00
4100044		773	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	21.70	-58.70
4100046		773	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	23.90	-70.90
4100047		-	-	-	-	-	-	-	-	-	-	-	-	-		27.50	-71.50
4100048		774	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	32.00	-69.60
4100049		772	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	27.50	-53.00
4100139		716	X	X	X	-	X	-	-	-	-	X	-	L	0101-3101	20.02	-37.86
4100300	Antilles	506	S	S	S	S	S	S	-	-	-	S	-		0101-2201	15.85	-57.47
4200059	Caraibes	769	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	15.00	-67.50
4400008	A Nantucket	776	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	40.50	-69.40
4400011	D Georges Bk	776	S	X	X	X	X	X	-	-	-	X	-	O	0101-3101	41.10	-66.60
4400018	SE Cape Cod	776	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	41.30	-69.30
4400024	NNE Channel	685	X	X	X	-	X	X	-	-	-	-	-	O	0101-3101	42.30	-65.90
4400137	E Scotia Sl.	739	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	42.30	-62.00
4400138	SW Gd Banks	-	-	-	-	-	-	-	-	-	-	-	-	-		44.30	-53.60
4400139	Beanquereau	736	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	44.30	-57.10
4400140	Tail of Bk	-	-	-	-	-	-	-	-	-	-	-	-	-		43.80	-51.70
4400141	Larentian F	731	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	43.00	-58.00
4400150	La Have Bk	717	X	-	X	X	X	X	-	-	-	-	-	O	0101-3101	42.50	-64.00

E-SURFMAR DB Monthly Report January 2016

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, January 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160131	1300868	11686410	744	0	0.3	0.5
20160131	1300869	11688410	744	0	0.2	0.5
20160131	1300871	61516870	741	0	0.4	0.5
20160131	1300872	61611050	744	0	0.4	0.5
20160131	1500681	61661310	744	0	0.1	0.5
20160131	1500682	61663300	744	0	0.5	0.7
20160131	1500683	61663370	744	0	0.7	0.5
20160131	1500684	62328350	744	0	-0.5	0.4
20160131	1500685	62854900	744	0	0.4	0.6
20160131	1500686	62959110	744	0	-0.1	0.5
20160131	1500688	62958430	718	0	0.1	0.7
20160131	2500617	61767070	744	0	-0.3	0.6
20160131	2500618	11020180	744	0	0.1	0.6
20160131	2500622	62850900	744	0	-0.3	0.5
20160131	2500623	62955110	744	0	0.4	0.6
20160107	4100638	62955440	110	0	0.3	0.7
20160131	4100707	62957110	744	0	-0.6	0.9
20160131	4100708	62958100	744	0	0.3	0.5
20160131	4100729	62321360	744	0	0.3	0.9
20160131	4100730	62326350	744	0	0.5	0.9
20160131	4100731	62329360	744	0	0.3	0.7
20160131	4100970	60213790	744	0	0.4	0.9
20160131	4100972	60217780	744	0	-0.1	0.5
20160131	4400513	61475450	744	0	0.4	0.9
20160131	4400515	61476450	744	0	-0.1	0.9
20160131	4400517	61477390	744	0	0.3	0.6
20160131	4400546	11160640	744	0	-0.0	0.5
20160131	4400547	60173710	744	0	0.3	0.7
20160131	4400548	11799230	744	0	0.3	0.5
20160129	4400549	60896130	681	0	-0.3	1.3
20160131	4400551	60892140	744	0	0.1	0.6
20160131	4400557	61568540	744	0	0.4	0.7
20160131	4400601	60890150	744	0	-0.6	0.8
20160131	4400608	11093800	744	0	0.1	0.9
20160131	4400609	61613050	744	0	0.3	0.7
20160131	4400613	11475040	744	1	-0.3	1.1
20160131	4400614	61661340	742	0	-0.5	0.9
20160129	4400623	61669330	676	0	-0.1	0.7
20160131	4400624	11341110	735	0	-0.3	0.5
20160131	4400625	61668340	696	0	0.3	0.7
20160131	4400739	61516840	744	0	0.2	0.6
20160131	4400740	11883820	744	0	-0.2	0.6
20160131	4400744	62953450	744	0	-0.5	1.1
20160131	4400746	62850730	744	0	0.2	0.7
20160131	4400747	62327370	744	0	-0.2	1.0
20160131	4400760	61662360	744	0	-0.8	0.8
20160131	4400761	61669320	744	0	-0.4	0.7
20160103	4400762	61664310	70	0	-0.1	1.4
20160131	4400763	61667330	744	0	0.3	0.6
20160131	4400765	62325370	735	0	-0.0	1.0
20160131	4400766	62326340	744	0	-0.0	0.9
20160131	4400764	61662330	744	0	-0.5	0.7
20160131	4400768	62322360	744	0	0.5	0.7
20160131	4400769	62328360	744	0	0.3	1.0
20160131	4400772	62950440	744	0	-0.2	0.8
20160125	4400773	11595650	509	29	-0.9	1.3
20160120	4400774	61477400	472	0	-0.0	0.5
20160131	4400775	61476400	744	0	0.5	0.8
20160131	4400776	61474410	743	0	0.4	0.6
20160131	4400777	62854730	744	0	0.1	0.9
20160131	4400778	61475430	743	0	0.3	0.6
20160131	4400779	62951460	744	0	0.2	1.0

E-SURFMAR DB Monthly Report January 2016

20160131	4400835	60218770	744	0	-0.4	0.5
20160131	4400836	60218680	744	0	0.0	0.6
20160131	4400837	60209590	744	0	-0.1	0.4
20160131	4400839	60205090	744	0	-0.1	0.6
20160131	4400846	60441290	744	0	0.5	0.5
20160131	4400848	60448280	742	0	0.2	0.5
20160131	4400863	60211690	744	0	-0.3	0.6
20160131	4400866	11793240	744	0	-0.2	0.5
20160131	4400867	11593590	744	32	-0.2	1.0
20160131	4400868	11794230	744	0	0.2	0.7
20160104	4400869	61615050	84	4	0.3	4.0
20160128	4400871	11790240	328	45	-0.1	1.8
20160131	4400872	60202920	744	24	-0.5	1.0
20160131	4400873	61612060	744	0	0.6	0.7
20160131	4400874	62858910	744	0	0.0	1.0
20160131	4400878	60528170	744	0	-0.0	0.6
20160131	4400880	60556880	740	0	-0.2	0.7
20160131	4400885	60218780	744	0	-0.2	0.5
20160131	4400887	60251440	744	0	-0.1	0.5
20160131	4400888	60359010	744	0	-0.2	0.6
20160131	4400889	60202320	744	0	-0.0	0.6
20160131	4400890	12000230	744	0	-0.0	1.0
20160131	4400891	12007220	744	0	-0.1	0.6
20160131	6200513	61665360	744	0	-0.1	0.8
20160126	6200516	11475100	613	0	-0.1	1.8
20160131	6200539	60891140	744	0	-0.1	0.6
20160107	6200552	11797240	158	0	-0.2	0.9
20160131	6200553	11165650	744	0	-0.2	0.9
20160131	6200554	62952460	744	0	0.3	0.8
20160131	6200555	61515850	744	0	0.4	0.8
20160131	6200556	61510860	744	0	0.7	0.7
20160131	6200557	62328340	744	0	-0.2	0.9
20160131	6200695	60408990	744	0	-0.6	2.3
20160131	6200713	11246980	743	0	-0.2	0.6
20160131	6200714	11240980	737	0	-0.2	0.6
20160131	6200940	60203850	744	0	-0.2	0.5
20160131	6200941	60207590	744	0	-0.2	0.5
20160131	6300645	60892150	508	20	-0.4	1.7
20160131	6400519	61518850	732	0	0.4	0.4
20160131	6400521	11470030	744	6	0.0	1.0
20160114	6400522	61511870	315	1	-0.1	2.2
20160131	6400523	61510870	715	6	0.3	1.9
20160131	6400524	61619040	744	0	0.0	0.5
20160131	6400525	60175710	744	28	0.0	0.6
20160131	6400526	61611070	744	1	0.2	1.3
20160131	6400528	61471310	742	1	0.4	0.5
20160131	6400530	61470290	744	0	0.4	0.4
20160131	6400547	61473300	743	0	0.2	0.5
20160131	6400549	60898120	744	0	-0.2	0.6
20160131	6400550	11463700	235	81	-0.8	1.6
20160131	6400551	11795230	740	0	0.6	0.9
20160131	6400553	62954270	744	0	0.0	0.5
20160131	6400554	62958280	744	0	0.5	0.5
20160131	6400555	62955280	744	1	0.2	0.9
20160131	6400560	62956270	744	0	0.2	0.5
20160131	6400606	61515870	744	4	0.4	1.3
20160131	6400621	61614070	744	0	0.1	0.5
20160131	6400623	11470040	744	0	-0.4	0.7
20160131	6400666	60179710	623	7	0.7	1.8
20160131	6400667	61615060	703	0	-0.5	0.9
20160131	6400668	60177860	647	18	-0.1	2.0
20160131	6400694	11548420	744	3	-0.2	0.9
20160125	6500511	62857900	169	57	0.9	2.5
20160131	6500514	62954450	744	15	0.7	1.0
20160131	6500519	61666340	744	0	0.2	0.8
20160131	6500596	61511850	742	0	-0.1	1.1
20160131	6500599	62326370	744	0	-0.2	0.9
20160131	6500601	62320360	744	0	0.2	0.7
20160131	6500602	62323360	744	0	-0.6	0.8
20160126	6500603	62959440	613	1	0.3	1.3

E-SURFMAR DB Monthly Report January 2016

Air Pressure (hPa), moored buoys, January 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160131	1300130		744	0	0.1	0.6
20160131	1300131		744	0	0.5	0.6
20160131	6100001		737	0	-0.0	0.6
20160131	6100002		743	0	0.4	0.6
20160131	6100196		742	0	0.1	0.7
20160120	6100197		464	13	0.3	1.9
20160131	6100198		739	0	0.2	0.7
20160105	6100280		107	20	3.6	3.7
20160131	6100281		744	0	-0.0	0.8
20160123	6100417		541	0	0.3	0.7
20160131	6100430		744	0	0.1	0.7
20160131	6101003		179	0	0.1	0.7
20160131	6200001		744	0	0.1	0.6
20160131	6200024		744	0	0.2	1.0
20160131	6200025		744	0	0.1	0.7
20160131	6200027		243	0	0.1	0.6
20160109	6200029		205	0	-0.1	1.0
20160129	6200030		565	0	-0.1	0.6
20160131	6200081		744	0	-0.2	0.8
20160131	6200082		744	0	0.7	0.6
20160131	6200083		268	0	-0.2	0.8
20160131	6200084		744	0	0.7	1.3
20160131	6200085		744	0	0.3	0.6
20160131	6200086		703	4	-0.5	0.6
20160131	6200091		726	0	-0.3	1.3
20160131	6200095		699	0	0.0	0.8
20160131	6200105		442	1	-0.1	0.8
20160131	6200163		744	0	-0.1	0.6
20160130	6200303		129	0	0.2	0.6
20160131	6400045		741	0	0.2	0.8
20160129	6400046		683	0	0.1	0.8

Air Temperature (C), moored buoys, January 2016

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160131	1300130		744	0	1.6	0.5
20160131	1300131		744	0	0.6	0.6
20160131	6100001		737	0	-0.4	0.5
20160131	6100002		743	0	-0.2	0.5
20160131	6100196		742	0	-0.2	0.7
20160120	6100197		464	0	1.5	0.5
20160131	6100198		739	0	-0.6	0.6
20160105	6100280		107	0	0.7	1.3
20160131	6100281		744	0	0.2	0.7
20160123	6100417		541	0	0.0	0.5
20160131	6100430		744	0	1.6	0.9
20160116	6101008		108	0	0.5	0.7
20160131	6200001		744	0	-0.4	0.5
20160131	6200024		744	0	0.4	0.8
20160131	6200025		742	0	-0.2	1.0
20160109	6200029		205	3	-0.8	1.2
20160129	6200030		566	0	-1.1	0.5
20160131	6200081		744	0	-0.3	0.7
20160131	6200082		744	0	1.0	1.2
20160131	6200083		268	0	-0.5	0.7
20160131	6200084		744	0	-0.1	0.5
20160131	6200085		744	0	-0.1	0.5
20160131	6200086		700	2	-0.7	0.9
20160131	6200091		726	0	-0.1	0.5
20160131	6200105		677	0	-0.4	0.8
20160131	6200163		743	0	-0.3	0.6
20160130	6200303		127	0	-0.0	0.6
20160131	6400045		743	0	-0.5	0.7
20160129	6400046		683	0	-0.8	0.7
20160131	6600021		738	0	-0.0	0.8
20160131	6600024		683	0	0.2	0.8

E-SURFMAR DB Monthly Report January 2016

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

Datend	WMO	Telcom	Recvd	GE	Bias	Std
20160131	1300130		743	62	15	24
20160131	1300131		743	22	3	24
20160131	6100001		736	57	-1	27
20160131	6100002		743	15	0	24
20160131	6100196		736	57	-0	30
20160120	6100197		463	9	-11	20
20160131	6100198		712	31	-6	26
20160105	6100280		106	28	-4	57
20160131	6100281		723	28	-4	29
20160123	6100417		538	9	-4	26
20160131	6100430		740	24	-11	29
20160131	6101003		180	47	-9	47
20160116	6101008		108	17	94	44
20160131	6200001		744	10	-3	17
20160131	6200024		734	19	-4	28
20160131	6200025		742	31	-7	28
20160131	6200027		218	2	4	26
20160109	6200029		205	0	-1	12
20160131	6200081		744	2	-6	14
20160131	6200082		739	17	6	18
20160131	6200083		265	2	3	18
20160131	6200084		743	22	18	17
20160131	6200085		734	7	3	22
20160131	6200086		702	216	167	56
20160131	6200091		726	6	-1	17
20160131	6200105		615	5	-1	20
20160131	6200163		743	0	-1	11
20160130	6200303		129	2	-0	16
20160131	6200442		744	7	6	15
20160129	6400046		681	7	5	17
20160131	6600021		739	4	-1	15
20160131	6600024		686	4	4	12

Wind speed rate, moored buoys, January 2016

Datend	WMO	Telcom	Recvd	GE	Rate	Err
20160131	1300130		743	0	1.1	2.0
20160131	1300131		743	1	1.0	2.1
20160131	6100001		736	0	1.3	2.3
20160131	6100002		743	0	1.0	2.0
20160131	6100196		736	0	1.2	2.7
20160120	6100197		463	0	1.0	1.6
20160131	6100198		712	0	0.9	2.1
20160105	6100280		106	0	1.4	3.1
20160131	6100281		723	0	1.2	2.2
20160123	6100417		538	0	1.0	1.7
20160131	6100430		740	0	1.1	2.2
20160131	6101003		180	0	1.0	3.1
20160116	6101008		108	0	0.0	0.0
20160131	6200001		744	0	1.0	1.7
20160131	6200024		734	0	1.1	2.1
20160131	6200025		742	0	0.8	2.4
20160131	6200027		218	1	1.0	1.4
20160109	6200029		205	0	0.9	1.8
20160131	6200081		744	0	0.9	1.6
20160131	6200082		739	5	0.9	1.7
20160131	6200083		265	0	0.8	1.9
20160131	6200084		743	0	1.0	1.7
20160131	6200085		734	0	0.7	1.8
20160131	6200086		700	119	0.1	42.8
20160131	6200091		726	0	1.0	2.2
20160131	6200105		615	2	1.1	2.1
20160131	6200163		743	0	1.0	1.2
20160130	6200303		129	0	0.9	1.7
20160131	6200442		744	0	1.0	1.6
20160129	6400046		681	1	1.0	1.9
20160131	6600021		739	0	1.1	1.2
20160131	6600024		686	0	1.2	1.2

E-SURFMAR DB Monthly Report January 2016

Comments on QC statistics :

Air pressure

1. Metocean buoys WMO **4400872**, **6300645**, **6400550**, **6400666**, **6400668** and **6500514** temporarily reported wrong pressure values during January for unknown reasons.
2. Metocean buoy WMO **4400869** and **6400522** reported wrong pressure values at the beginning and at the mid-month before their transmission was stopped.
3. Metocean buoy WMO **4400773**, **4400867**, **6200516**, **6200695**, **6400523** and **6400525** reported wrong pressure values at the end of January before their transmission was stopped.
4. Metocean buoy WMO **4400762** and **6500511** reported wrong pressure values before stopping to emit without reason.
5. Metocean buoy WMO **4400871** reported wrong pressure values at the beginning of month before it ashore and was recovered in England on 28th January.
6. Spanish moored buoy WMO **6100197** reported wrong pressure values since 16th of January before being stopped on 21th.
7. Spanish moored buoy WMO **6100280** reported wrong pressure values until 5th of January before being stopped.

Air Temperature

1. Eumetnet Spanish moored buoy WMO **1300130**, **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 reported abnormal calm winds onto the GTS since the beginning of the month.
2. Greek moored buoy WMO **6101008** continued to report abnormal calm winds onto the GTS before it was stopped on 16th of January.

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.