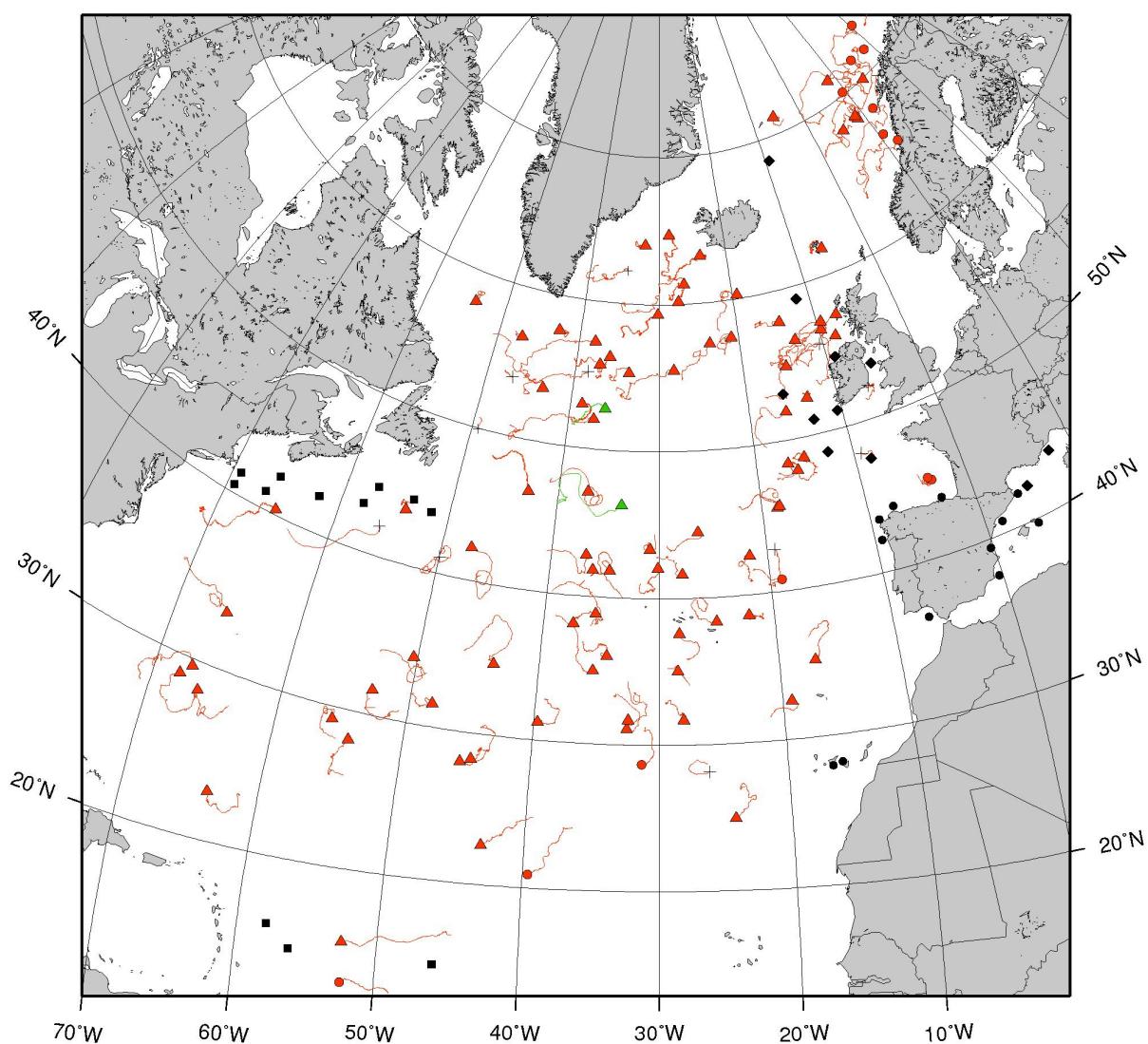


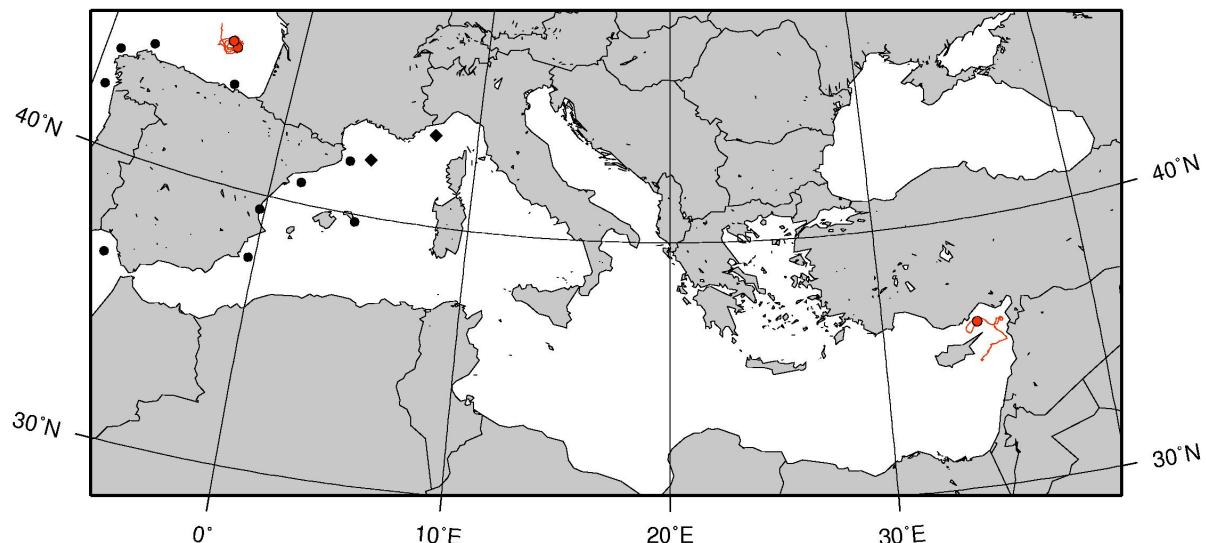
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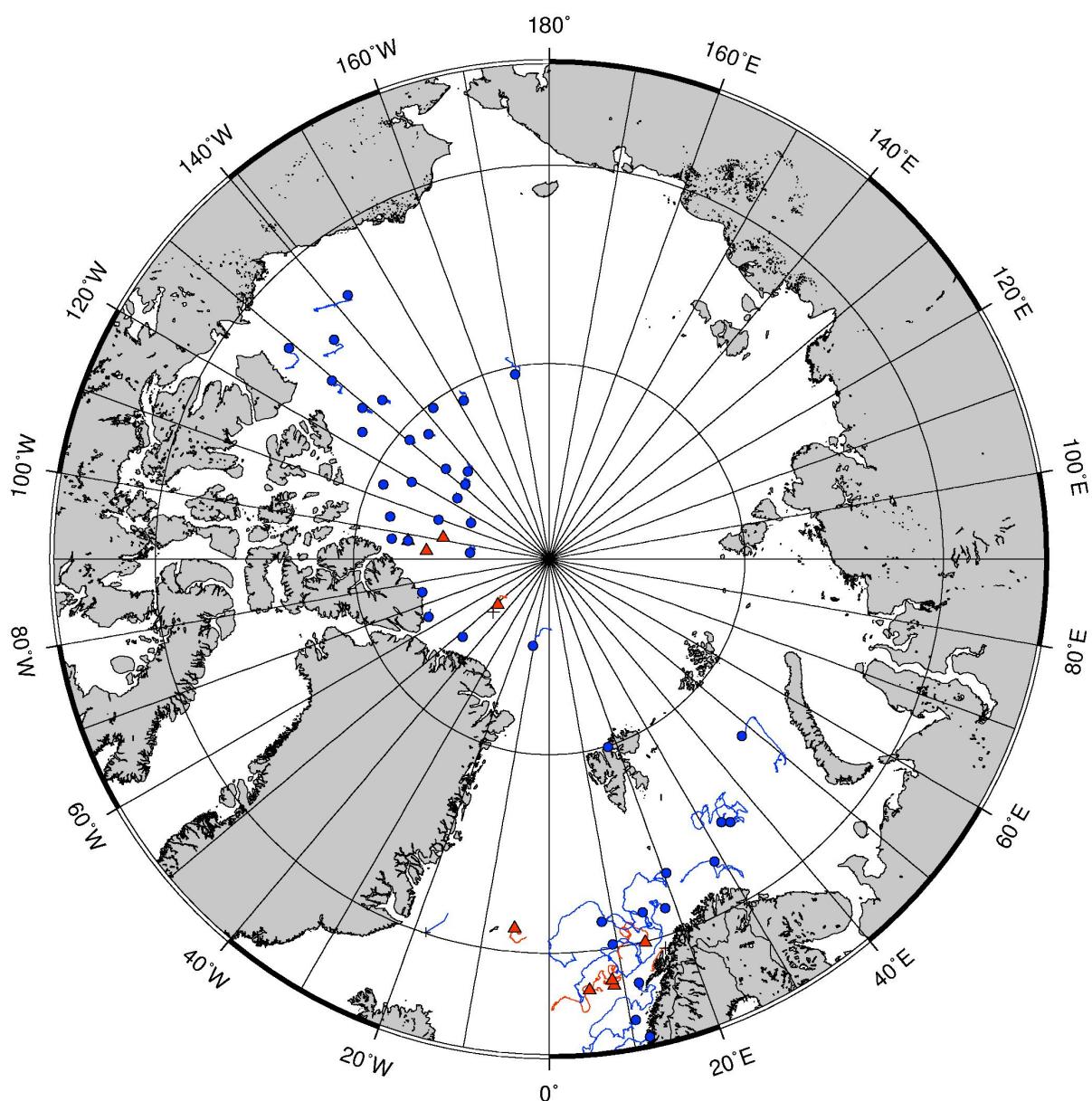
February 2008 - Operating data buoys in the North Atlantic
Drifting buoy trajectories and moored buoy positions

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February 2008 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions

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February 2008 - Drifting buoy trajectories in IPY

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DRIFTING BUOYS

Network status

By the end of February 2008, **84 drifting buoys**, reporting air pressure or wind at least onto the GTS, were in operation in the EUCOS area. Out of these:

1. 34 were upgraded SVP-Bs;
2. 7 were Iridium SVP-Bs: six funded by E-SURFMAR and one operated by Météo-France;
3. 2 were Argos SVP-BWs owned by Environment Canada and deployed in mid-July 2007. Environment Canada kindly participate in E-SURFMAR through the procurement of a few buoys and the making of arrangements with the Canadian Coastguards for buoy deployments.

Four Arctic buoys funded by EUMETET are still operating in the Arctic: 2 IcexAir, 1 ICEB and 1 Argos SVP-B. They are the subject of a separate table.

Information about available buoys may be get from the E-SURFMAR wikisite (working area) at:
http://esurfmar.meteo.fr/wikisurf-wa/index.php/Availability_of_drifting_buoys

Operating drifting buoys 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
25534	66739	CIB	EU	963	-	-	X	X	-	-	-	-	-	-	-	T	0102-2902	83.69	-93.86	575
25535	66740	CIB	EU	766	-	X	X	X	-	-	-	-	-	-	-	T	0102-2902	82.71	-97.31	575
25616	68025	MSB	EU	725	-	-	X	X	-	-	-	-	-	-	-	T	0102-2902	86.40	-48.60	169
48665	73389	MSB	EU	727	-	X	X	X	-	-	-	-	-	-	-	T	0102-2902	84.45	-101.31	180

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
13534	52187	TSB	FR	696	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	29.24	-55.71	1206
41958	70824	TSB	UP	691	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.08	-32.62	314
41959	70825	TSB	UP	695	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	56.00	-8.31	314
41960	70827	TSB	UP	691	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	33.31	-65.96	313
41961	70826	TSB	UP	692	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.54	-48.21	314
41998	70828	TSB	UP	693	-	-	X	X	S	-	-	X	-	-	-	L	0102-2902	38.86	-35.57	312
44546	66726	MSB	EU	701	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.00	-24.00	404
44547	66731	MSB	EU	714	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	54.89	-14.93	403
44548	66713	MSB	EU	645	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	41.60	-27.80	394
44549	66716	MSB	EU	714	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	43.60	-54.20	372
44550	66723	MSB	EU	650	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	43.35	-30.87	362
44551	66729	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	63.99	-32.20	361
44601	66722	MSB	EU	702	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	41.80	-36.00	361
44602	66730	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.50	-21.10	360
44603	66727	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.70	-42.60	307
44604	66732	MSB	EU	721	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.90	-14.60	306
44606	68030	MSB	EU	697	-	-	X	X	X	-	-	-	-	-	-	T	0102-2902	48.40	-16.90	280
44607	52190	TSB	FR	694	-	-	X	X	X	-	-	-	-	-	-	T	0102-2902	38.34	-25.03	1179
44610	68034	MSB	EU	691	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	52.50	-13.30	280
44611	68037	MSB	EU	687	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	51.90	-15.99	281
44617	42812	MSB	EU	699	-	-	X	X	X	-	-	-	-	-	-	T	0102-2902	32.40	-19.10	705
44628	68043	MSB	EU	698	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	44.40	-26.30	133
44629	726380	MSB	EU	726	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	53.00	-38.70	66
44630	68046	MSB	EU	680	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	34.99	-35.55	48
44704	73443	MSW	CA	706	S	-	X	X	X	-	-	X	-	-	-	L	0102-2902	46.10	-33.80	225
44705	73444	MSW	CA	707	X	-	X	X	X	-	-	X	-	-	-	L	0102-2902	52.80	-36.10	225
44721	68041	MSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	42.70	-36.60	47
44722	68047	MSB	EU	707	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	42.10	-47.20	47

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44724	35240	MSB	EU	721	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	59.30	-30.00	41
44725	729390	MSB	EU	722	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	46.50	-43.00	37
44747	514490	MSB	FR	722	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	40.30	-65.50	303
44833	70845	TSB	UP	696	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	56.68	-47.08	259
44836	70829	TSB	UP	694	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	36.03	-34.44	283
44839	70831	TSB	UP	800	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	28.06	-45.41	281
44840	70832	TSB	UP	829	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	35.05	-28.45	280
44847	55315	TSB	UP	691	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	29.60	-67.20	1046
44848	55316	TSB	UP	687	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	28.93	-67.97	1045
44850	55318	TSB	UP	690	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	28.15	-54.19	951
44885	70841	TSB	UP	695	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	55.74	-37.15	103
44901	55321	TSB	UP	697	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	34.30	-50.36	950
44903	70822	TSB	UP	692	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	42.05	-30.12	255
44905	70818	TSB	UP	691	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.60	-53.09	252
44908	70843	TSB	UP	695	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	53.60	-43.42	104
44912	70819	TSB	UP	846	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	38.12	-37.43	252
44913	70823	TSB	UP	696	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	56.67	-9.79	253
44914	63846	TSB	UP	690	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.25	-39.71	653
44915	70838	TSB	UP	694	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	47.10	-37.14	133
44917	70846	TSB	UP	693	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	57.26	-38.05	132
44918	63837	TSB	UP	694	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	34.76	-43.78	603
44919	63838	TSB	UP	692	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	31.70	-32.50	602
44920	63839	TSB	UP	808	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	35.15	-16.99	601
44921	63840	TSB	UP	807	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	15.39	-52.50	601
44922	63860	TSB	UP	693	-	-	X	X	X	-	-	-	-	-	-	L	0102-2902	31.71	-28.07	532
44924	63859	TSB	UP	692	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	38.63	-22.20	534
44926	70847	TSB	UP	729	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	55.52	-28.28	123
62510	52189	TSB	FR	695	-	-	X	X	S	-	-	X	-	-	-	T	0102-2902	28.29	-44.63	1207
62556	42790	TSB	FR	692	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	28.38	-66.29	1418
62569	52250	MSB	UK	720	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	55.29	-33.62	915
62572	42646	MSB	FR	776	-	-	X	X	-	-	-	-	-	-	-	T	0102-2902	22.87	-63.72	813
62597	66715	MSB	EU	687	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	60.29	-19.57	373
62598	66724	MSB	EU	569	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	37.59	-28.27	363
62599	66725	MSB	EU	708	-	-	X	X	X	-	-	-	-	-	-	T	0102-2902	24.93	-24.25	364
62600	68036	MSB	EU	692	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	45.70	-18.40	281
62694	68039	MSB	EU	715	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.10	-9.50	273
62695	68035	MSB	EU	690	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	47.80	-15.90	134
62696	68038	MSB	EU	693	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	45.70	-18.30	134
62697	32250	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	63.20	-23.70	69
62711	68042	MSB	EU	706	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	42.00	-34.50	48
62901	63858	TSB	UP	693	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	22.64	-43.20	531
62902	63850	TSB	UP	692	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	61.34	-26.52	454
62905	70820	TSB	UP	714	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	42.70	-21.70	257
62906	70821	TSB	UP	721	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	48.60	-15.20	256
63536	68044	MSB	EU	724	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	68.20	8.50	92
63537	68045	MSB	EU	728	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	68.40	8.70	50
63631	68026	MSB	EU	726	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	71.10	-5.40	281
63633	68031	MSB	EU	726	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	68.20	5.30	204
63634	68029	MSB	EU	722	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	70.10	14.40	182
63965	55313	TSB	EU	695	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	71.37	8.19	828
64620	66728	MSB	EU	721	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	57.90	-53.90	363
64621	68028	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	61.80	-6.20	272
64622	724380	MSB	EU	724	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	60.20	-27.40	41
64623	725380	MSB	EU	717	-	-	X	X	S	-	-	X	-	-	-	T	0102-2902	64.60	-28.20	42
64933	70834	TSB	UP	695	-	-	X	X	X	-	-	X	-	-	-	L	0102-2902	52.01	-37.26	255
65581	42490	MSB	EU	704	-	-	X	X	X	-	-	X	-	-	-	T	0102-2902	56.50	-13.40	503

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
25618	513500	MSB	EU	20080223	86.0	-46.5	163	One-month prolongation due to a warmer temp.
44605	66737	MSB	EU	20080229	55.7	-10.7	305	Unknown
44608	68032	MSB	EU	20080220	41.9	-56.0	270	Unknown
44609	68033	MSB	EU	20080222	52.2	-6.5	273	Ashore in Ireland
44613	42494	MSB	EU	20080204	42.9	-19.3	681	AP measurement failed
44624	66710	MSB	EU	20080229	48.0	-9.2	474	Faded
44627	629430	MSB	FR	20080204	53.8	-47.1	79	Unknown
44706	73445	MSW	CA	20080225	41.1	-50.0	221	AP measurement failed
44745	42650	MSB	FR	20020220	28.1	-26.1	798	Faded
44845	70837	TSB	UP	20020225	57.3	-7.4	256	Ashore in Hebrides Is.
44887	70842	TSB	UP	20020218	55.2	-38.5	93	AP measurement failed
62596	66714	MSB	EU	20020210	69.3	16.6	355	Ashore in Norway
64618	66733	MSB	EU	20020226	56.3	-36.0	514	Faded

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64619 66721 MSB EU 20020209 49.9 -49.4 386 Faded

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
44613	42494	MSB	EU	680	-	-	S	S	X	-	-	X	-	-	T	0102-2902	42.89	-19.31	706	
44616	524620	PSB	FR	620	-	-	-	-	X	-	-	X	-	-	T	0102-2902	54.86	-49.94	104	
44706	73445	MSW	CA	813	S	-	S	X	X	-	-	X	-	-	L	0102-2902	41.09	-49.99	225	
44934	63849	TSB	UP	695	-	-	S	S	X	-	-	X	-	-	L	0102-2902	62.26	-34.59	455	
44887	70842	TSB	UP	694	-	-	S	S	X	-	-	X	-	-	L	0102-2902	55.19	-38.48	104	
64929	55309	TSB	UP	462	-	-	-	-	X	-	-	X	-	-	L	0102-2902	71.98	38.20	986	

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
31505	67857	AOML		539	-	-	X	X	X	-	-	S	-	-	L	0102-2902	5.13	-20.04	
31546	63793	AOML		694	-	-	X	X	X	-	-	X	-	-	L	0102-2902	9.03	-59.91	
31737	69002	INPE		694	-	-	X	X	X	-	-	X	-	-	T	0102-2902	12.82	-52.36	
31740	73224	LODY		699	-	-	X	X	X	-	-	X	-	-	X	0102-2902	7.38	-48.48	
41688	63912	AOML		748	-	-	X	X	X	-	-	-	-	-	L	0102-2902	28.70	-31.20	
61505				542	-	-	X	X	X	-	-	X	-	-	T	0702-2902	36.15	34.43	
62503	73225	LODY		642	-	-	X	X	X	-	-	X	-	-	X	0102-2902	44.94	-3.41	
62504	72578	LODY		728	-	-	X	X	X	-	-	X	-	-	X	0102-2902	45.12	-3.69	
62904	63914	AOML		691	-	-	X	X	X	-	-	-	-	-	L	0102-2902	20.93	-39.58	
63659	78705	AOML		687	-	-	X	X	X	-	-	X	-	-	L	0102-2902	70.18	9.34	
63955	47799	AOML		568	-	-	X	X	X	-	-	X	-	-	L	0102-2902	73.99	33.20	
63957	48835	AOML		585	-	-	X	X	X	-	-	-	-	-	L	0102-2902	73.75	34.57	
63971	78704	AOML		767	-	-	X	X	X	-	-	X	-	-	L	0102-2902	72.95	20.46	
63973	78699	AOML		695	-	-	X	X	X	-	-	X	-	-	L	0102-2902	72.48	28.69	
63974	78698	AOML		758	-	-	X	X	X	-	-	X	-	-	L	0102-2902	65.37	11.94	
63975				681	-	-	X	X	X	-	-	X	-	-	L	0102-2902	71.42	14.82	
63977	78700	AOML		800	-	-	X	X	X	-	-	X	-	-	L	0102-2902	66.30	10.63	
63979	78702	AOML		686	-	-	X	X	X	-	-	X	-	-	L	0102-2902	71.31	18.38	
63982	78697	AOML		681	-	-	X	X	X	-	-	X	-	-	L	0102-2902	68.08	12.00	

MOORED BUOYS

Operating EGOS moored buoys (K-pattern + Icelandic WaveScan)

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	
61001	Cote d'Azur	350	X	X	X	X	X	X	X	-	-	X	-	O	0102-2902	43.40	7.80	
61002	Lion	692	-	X	X	X	X	X	X	-	-	X	-	O	0102-2902	42.10	4.70	
62001	Gascogne		-	-	-	-	-	-	-	-	-	-	-	-		45.30	-5.00	
62029	K1	696	X	X	X	X	X	-	-	-	-	X	-	O	0102-2902	48.70	-12.50	
62052	Ushant	49	S	S	S	S	S	-	-	-	-	S	-		1302-1502	48.50	-5.80	
62081	K2	696	X	X	X	X	X	X	X	-	-	X	-	O	0102-2902	51.00	-13.20	
62090	M1		-	-	-	-	-	-	-	-	-	-	-	-		53.10	-11.20	
62091	M2	689	X	X	X	X	X	X	X	-	-	X	-	O	0102-2902	53.50	-5.40	
62092	M3	696	X	X	X	X	X	X	X	-	-	X	-	O	0102-2902	51.20	-10.50	
62093	M4	696	X	X	X	X	X	X	X	-	-	X	-	O	0102-2902	54.70	-9.10	
62094	M5	69	S	S	S	S	S	S	S	-	-	S	-		0102-1502	51.70	-6.70	
62095	M6	688	X	-	-	X	-	O	0102-2902	53.10	-15.90							
62105	K4		-	-	-	-	-	-	-	-	-	-	-	-		55.80	-11.40	
62108	K3	346	-	S	S	S	S	S	S	-	-	-	-		0102-1502	53.50	-19.50	
62163	Brittany	691	X	X	X	X	X	-	-	-	-	X	-	O	0102-2902	47.50	-8.40	
64045	K5	695	X	-	-	X	-	O	0102-2902	59.10	-11.70							
64046	K7		-	-	-	-	-	-	-	-	-	-	-	-		60.70	-5.20	
64071	N-Island	608	X	X	X	-	X	X	-	-	-	X	-	O	0102-2902	68.50	-9.30	

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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
13130	Gran Canaria		-	X	X	-	X	X	X	-	-	-	-	O		28.18	-15.82
13131	Tenerife Sur		X	X	X	-	X	X	X	-	-	-	-	O		28.00	-16.58
61196	C. Begur		X	X	X	-	-	X	X	-	-	-	-	O		41.92	3.65
61197	Mahon		X	X	X	-	-	X	X	-	-	-	-	O		39.72	4.42
61198	C. de Gata		-	-	-	-	-	-	-	-	-	-	-	-		36.57	-2.33
61199	M. Alboran		-	-	-	-	-	-	-	-	-	-	-	-		36.23	-5.03
61280	Tarragona		X	X	X	-	X	X	X	-	-	-	-	X	O	40.77	1.47
61281	Valencia		X	X	X	-	X	X	X	-	-	-	-	X	O	39.47	-0.27
62024	Bilbao-Visc.		X	X	X	-	X	X	X	-	-	-	-	X	O	43.63	-3.03
62025	C. de Penas		-	-	-	-	-	-	-	-	-	-	-	-	-	43.73	-6.17
62082	E. de Bares		-	X	X	-	-	X	X	-	-	-	-	O		44.07	-7.62
62083	Villano-Sis.		X	X	X	-	X	X	X	-	-	-	-	X	O	43.48	-9.22
62084	C. Silleiro		X	X	X	-	X	X	X	-	-	-	X	O		42.12	-9.40
62085	G. de Cadiz		X	X	X	-	X	X	X	-	-	-	-	X	O	36.48	-6.97
C. de Palos			X	X	X	-	X	X	X	-	-	-	-	X	O	37.65	-0.32
Dragonera			-	-	-	-	-	-	-	-	-	-	-	-	-	39.56	2.11

Comments:

- GTS BUFR data monitoring tools are not yet available. This explains why the number reports and the observation period are missing.
- The snapshot for Seawatch and Wavescan buoys is dated March 3rd, 2008
- The EUCOS buoy is presented in bold characters.

Other moored buoys into the EUCOS area of interest

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	
41040	West Atlantic	100	S	S	S	S	S	S	S	-	-	-	S	-	0802-1202	14.50	-53.00	
41041	Mid. Atlantic	694	X	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	14.50	-46.00
41100	E Guadeloupe	693	X	X	X	X	-	X	-	-	-	-	X	-	O	0102-2902	15.90	-57.90
41101	E Martinique	652	-	X	X	X	X	-	-	-	-	-	X	-	O	0102-2902	14.60	-56.20
44008	A Nantucket	698	X	X	X	X	X	X	X	-	-	-	S	-	O	0102-2902	40.50	-69.40
44011	D Georges Bk	472	X	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	41.10	-66.60
44018	SE Cape Cod	686	X	X	X	X	X	X	X	-	-	-	X	-	O	0102-2902	41.30	-69.30
44024	NNE Channel	676	-	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	42.30	-65.90
44137	E Scotia Sl.	664	X	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	42.30	-62.00
44138	SW Gd Banks	667	X	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	44.30	-53.60
44139	Beanquereau	666	X	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	44.30	-57.10
44140	Tail of Bk	676	X	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	43.80	-51.70
44141	Larentian F	672	X	X	X	X	X	X	X	-	-	-	-	-	O	0102-2902	43.00	-58.00
44142	La Have Bk		-	-	-	-	-	-	-	-	-	-	-	-	-	42.50	-64.00	

Comments:

- GTS BUFR data monitoring tools are not yet available. This explains why the number reports and the observation period are missing.
- The snapshot for Seawatch and Wavescan buoys is dated February 4th, 2008.
- The EUCOS buoy is presented in bold characters.

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Abbreviations

WMO : WMO id.
 Argos : Argos id.
 Typ : Buoy type
 - first character : Manufacturer (C = ConMar , M = Metocean, T = Technocean,
 Y = Marlin-Yug...)
 - second character : Main type (F = FGGE, S = SVP)
 - third character : Sub type (B = barometer buoy, W = Wind buoy,
 S = Salinity buoy)
 Ow : Buoy owner (country code or EU for EUCOS)
 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 tendancy
 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.

Air Pressure (hPa), drifting buoys, February 2008

Datend	WMO	Telcom	Recvld	GE	Bias	Std
20080229	13534	52187	693	0	-0.4	0.8
20080229	25534	66739	890	54	0.6	1.1
20080229	25535	66740	759	0	0.3	0.8
20080229	25616	68025	692	0	0.1	0.9
20080223	25618	513500	310	0	0.4	0.9
20080229	41958	70824	684	0	0.2	0.7
20080229	41959	70825	672	0	0.0	1.6
20080229	41960	70827	688	0	0.4	1.6
20080229	41961	70826	687	0	0.4	0.6
20080229	41998	70828	677	0	0.1	0.7
20080229	44546	66726	669	1	-0.5	2.1
20080229	44547	66731	676	1	0.1	1.7
20080229	44548	66713	626	1	-0.3	1.1
20080229	44549	66716	689	0	-0.3	2.0
20080229	44550	66723	626	0	0.0	1.1
20080229	44551	66729	690	2	-0.2	1.5
20080229	44601	66722	679	1	0.1	1.3
20080229	44602	66730	680	1	-0.2	2.0
20080229	44603	66727	686	0	-0.3	1.5
20080229	44604	66732	689	1	0.4	1.9
20080229	44605	66737	675	1	0.2	1.6
20080229	44606	68030	671	0	0.1	1.0
20080229	44607	52190	689	0	0.3	0.7
20080220	44608	68032	446	0	0.3	1.6
20080222	44609	68033	481	1	-0.1	1.2
20080229	44610	68034	660	0	0.2	1.2

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20080229	44611	68037	654	0	0.3	1.4
20080205	44613	42494	104	25	-0.3	1.0
20080229	44617	42812	670	0	-0.3	0.6
20080229	44624	66710	526	0	0.1	1.0
20080204	44627	629430	85	0	0.3	0.9
20080229	44628	68043	671	0	-0.2	1.2
20080229	44629	726380	695	2	-0.4	1.7
20080229	44704	73443	678	0	0.0	1.4
20080229	44705	73444	680	6	0.3	1.9
20080225	44706	73445	509	20	0.7	1.9
20080229	44721	68041	673	0	-0.3	1.4
20080229	44722	68047	685	0	0.2	1.3
20080229	44724	35240	692	0	-0.9	1.8
20080229	44725	729390	692	1	0.0	1.8
20080217	44745	42650	151	1	0.5	0.8
20080229	44747	514490	691	24	0.4	1.6
20080229	44833	70845	673	3	0.4	2.0
20080229	44836	70829	683	0	0.2	0.7
20080229	44839	70831	788	0	0.0	0.6
20080229	44840	70832	811	1	0.1	0.6
20080225	44845	70837	565	0	-0.2	1.5
20080229	44847	55315	688	0	0.2	0.8
20080229	44848	55316	680	0	0.5	0.8
20080229	44850	55318	681	6	0.2	0.6
20080229	44885	70841	683	0	0.8	1.6
20080225	44887	70842	581	25	0.4	2.8
20080229	44901	55321	694	0	0.4	0.7
20080229	44903	70822	676	0	0.1	0.9
20080229	44905	70818	682	0	0.3	0.6
20080229	44908	70843	676	1	0.8	1.7
20080229	44912	70819	835	0	0.0	0.9
20080229	44913	70823	677	1	0.2	1.7
20080229	44914	63846	685	1	0.0	0.6
20080229	44915	70838	680	0	0.5	1.5
20080229	44917	70846	683	1	-0.3	2.0
20080229	44918	63837	684	0	0.0	0.8
20080229	44919	63838	678	0	0.0	0.7
20080229	44920	63839	797	0	-0.1	0.7
20080229	44921	63840	792	0	0.2	0.9
20080229	44922	63860	691	0	-0.1	0.7
20080229	44924	63859	681	0	-0.1	0.7
20080229	44926	70847	721	6	0.1	1.9
20080215	44934	63849	75	43	-2.5	3.9
20080229	48665	73389	718	0	-0.6	0.8
20080229	62510	52189	691	0	0.3	0.5
20080229	62556	42790	689	0	0.1	0.7
20080229	62569	52250	691	0	-0.1	1.8
20080229	62572	42646	773	0	-0.4	0.8
20080210	62596	66714	230	0	-0.1	1.1
20080229	62597	66715	683	4	0.0	2.2
20080229	62598	66724	554	1	-0.1	0.7
20080229	62599	66725	688	0	0.0	0.6
20080229	62600	68036	667	0	0.1	1.0
20080229	62694	68039	680	1	-0.1	1.7
20080229	62695	68035	658	0	0.2	1.0
20080229	62696	68038	668	0	0.0	1.0
20080229	62697	32250	693	2	-0.3	1.8
20080229	62901	63858	686	0	0.0	0.6
20080229	62902	63850	685	9	0.0	2.8
20080229	62905	70820	672	0	0.4	0.7
20080229	62906	70821	672	0	0.2	0.9
20080229	63536	68044	689	0	0.1	1.4
20080229	63537	68045	685	0	-0.1	1.5
20080229	63631	68026	688	1	0.1	1.9
20080229	63633	68031	692	0	-0.2	1.6
20080229	63634	68029	685	0	0.3	1.4
20080229	63965	55313	674	42	-0.2	2.6
20080226	64618	66733	592	1	-0.2	1.5
20080209	64619	66721	182	0	0.2	1.6
20080229	64620	66728	691	2	0.0	1.8
20080229	64621	68028	691	3	0.9	2.0
20080229	64622	724380	693	1	0.1	1.9
20080229	64623	725380	691	2	-0.1	1.6
20080229	64933	70834	683	0	-0.2	1.8
20080229	65581	42490	665	0	0.0	1.6

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Air Pressure (hPa), moored buoys, February 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20080229	61001		348	1	-0.4	0.7
20080229	61002		692	0	-0.3	0.6
20080229	62029		696	0	0.1	1.0
20080215	62052		49	0	0.0	0.3
20080229	62081		696	0	-0.7	1.1
20080229	62091		689	0	-0.6	1.2
20080229	62092		696	0	-0.1	1.1
20080229	62093		694	1	-0.5	1.5
20080215	62094		69	0	-2.1	3.6
20080229	62095		688	0	-0.1	1.4
20080215	62108		346	1	-0.5	1.8
20080229	62163		691	0	-0.2	0.9
20080229	64045		693	0	-0.3	1.9
20080229	64071		589	36	1.1	3.5

Air Temperature (C), drifting buoys, February 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20080229	25535	66740	607	607		
20080229	48665	73389	709	36	0.9	6.1

Air Temperature (C), moored buoys, February 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20080229	61001		348	0	-1.1	0.8
20080229	61002		692	0	0.7	0.7
20080229	62029		696	0	-0.5	0.7
20080215	62052		49	0	-0.4	0.4
20080229	62081		696	0	-0.3	0.7
20080229	62091		689	0	0.9	0.8
20080229	62092		695	0	0.2	0.6
20080229	62093		695	1	0.3	1.0
20080215	62094		69	0	0.8	0.8
20080229	62095		688	4	0.1	0.8
20080215	62108		346	0	-0.1	1.1
20080229	62163		691	0	-0.5	0.8
20080229	64045		693	0	0.0	1.0
20080229	64071		589	0	0.0	0.9

Wind direction (deg.), drifting buoys, February 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20080226	44704	73443	38	2	2.	27.
20080229	44705	73444	656	17	7.	21.
20080225	44706	73445	50	0	-9.	25.

Wind direction (deg.), moored buoys, February 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20080229	61001		337	30	7.	32.
20080201	61002		13	0	118.	31.
20080229	62029		696	4	2.	15.
20080215	62052		49	0	-9.	10.
20080229	62081		696	3	3.	15.
20080229	62091		689	3	2.	20.
20080229	62092		695	0	2.	15.
20080229	62093		696	13	1.	20.
20080215	62094		69	0	-14.	26.
20080229	62095		683	4	4.	18.
20080229	62163		691	9	5.	21.

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20080229	64045	693	11	2.	20.
		589	6	7.	21.

Wind speed rate, drifting buoys, February 2008

Datend	WMO	Telcom	Recvld	GE	Rate	Err
20080226	44704	73443	38	1	0.2	12.6
20080229	44705	73444	656	7	1.3	2.6
20080225	44706	73445	50	0	0.6	5.6

Wind speed rate, moored buoys, February 2008

Datend	WMO	Telcom	Recvld	GE	Rate	Err
20080229	61001		342	0	1.9	1.9
20080201	61002		13	0	0.0	
20080229	62029		696	0	1.0	1.9
20080215	62052		49	0	1.1	1.5
20080229	62081		696	0	1.0	1.6
20080229	62091		689	0	1.3	2.1
20080229	62092		695	0	1.1	1.5
20080229	62093		696	0	1.2	2.0
20080215	62094		69	0	0.9	2.0
20080229	62095		683	0	0.9	2.3
20080229	62163		691	0	1.0	1.3
20080229	64045		693	0	0.7	3.5
20080229	64071		589	0	1.0	3.9

Comments on QC statistics :

Air pressure

4. As for previous months, IcexAir buoy 66739 (WMO **25534**) reported more than 6% of gross errors. It is not obvious to only remove wrong values from the GTS without stopping the data transmission. Hopefully, wrong values are so bad that they are probably systematically rejected by the models.
5. Several buoys had significant differences with model outputs before they stopped transmitting (end of life) or before the GTS transmission was stopped for this parameter (wrong measurements). It was the case for drifting buoys WMO **44613**, **44706**, **44887** and **44934**, and moored buoy **62094** (M5) (red characters).
6. Other buoys also presented some differences but for unknown reason. It was the case for buoys WMO **44747**, **62902** and **63965** (records in blue characters). Measurements appeared correct back by the end of the month.
7. The Icelandic moored buoy (WMO **64071**) has been reporting dubious air pressure values since the 20th of February.

Air temperature

8. Air temperature values reported by Arctic buoys appear higher than model outputs (till 15-20°C). The differences are due to the model which does not correctly represent the truth in the area, more especially in autumn and winter.

Wind

9. As usually, the wind measurements carried out by the Nice-Côte d'Azur moored buoy (WMO **61001**) presented some significant differences with model outputs. This is due to local effects which are not correctly reproduced by the large scale models used for the comparisons with observations.
10. Wind measurements failed on Lion moored buoy (WMO 61002) on the 1st of February. A few wrong data were transmitted onto the GTS before being stopped.

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11. Wind measurements also failed on two out of the three SVP-BW drifters operated by Environment Canada.

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.

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Abbreviations

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 S = Salinity buoy)
Ow : Buoy owner (country code or EU for EUCOS)
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 tendancy
 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.

Air Pressure (hPa), drifting buoys, February 2008

Buoy-QC statistics from Meteo-France model outputs

Datend : Date of the last value received on GTS
Recv'd : 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