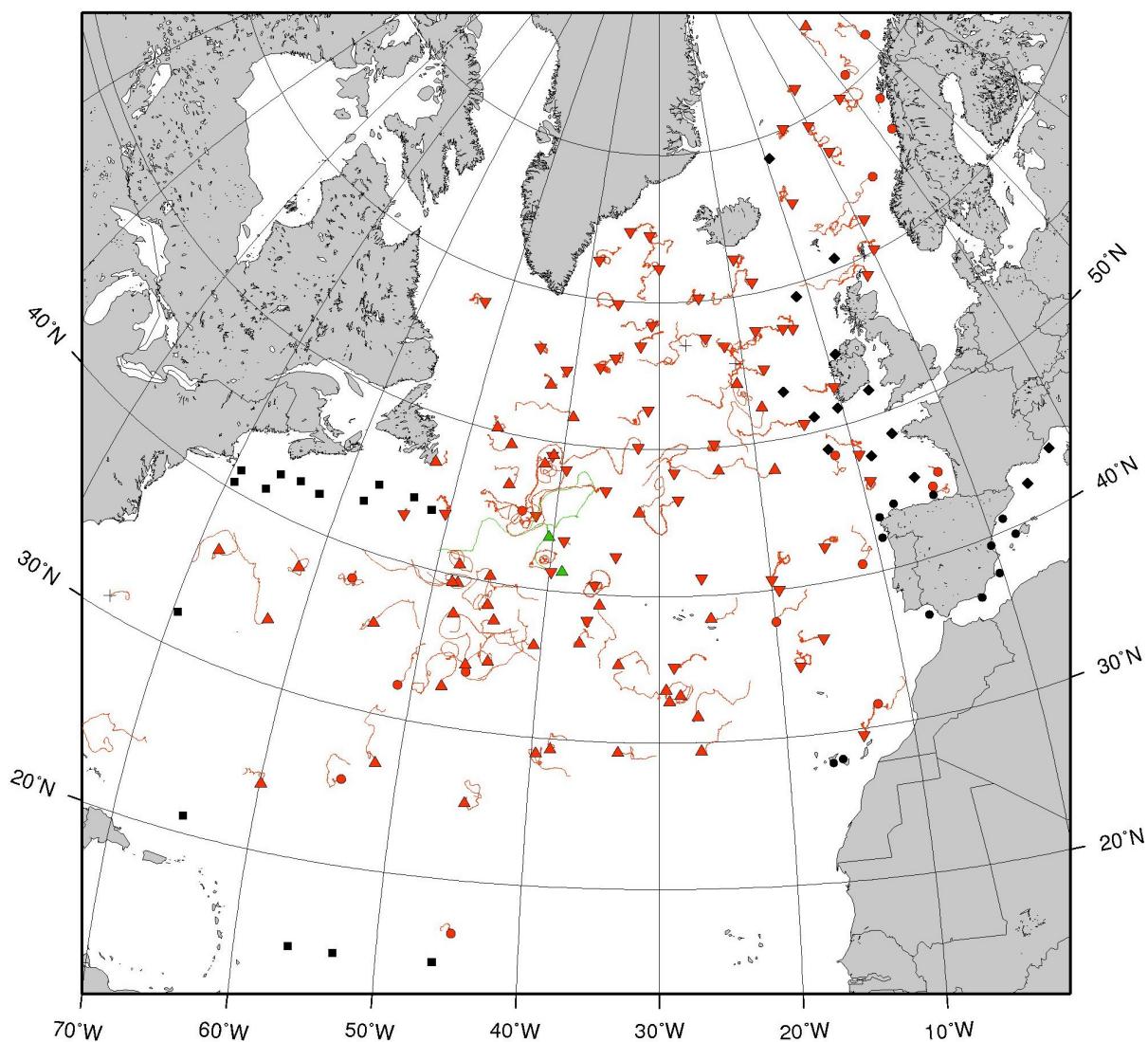




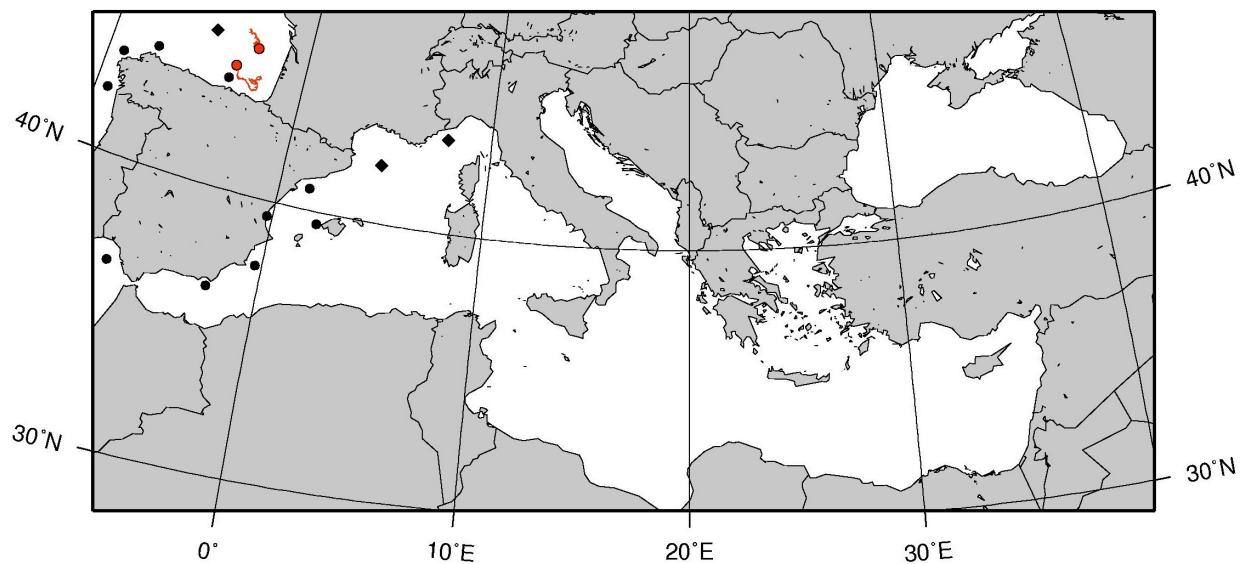
DATA BUOY MONTHLY REPORT

March 2009



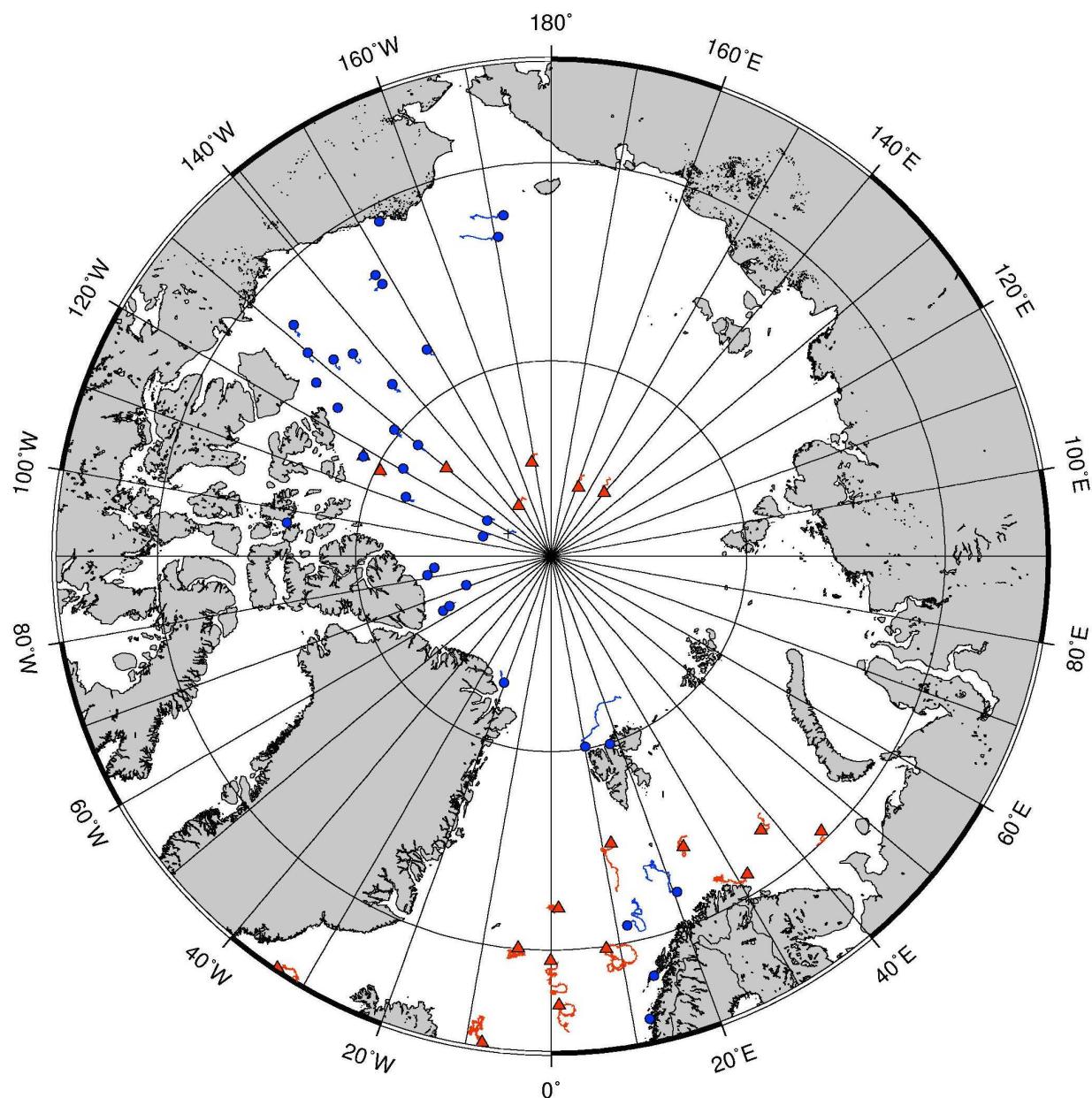
March 2009 - Operating data buoys in the North Atlantic
Drifting buoy trajectories and moored buoy positions

E-SURFMAR DB Monthly Report
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March 2009 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions

E-SURFMAR DB Monthly Report
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March 2009 - Drifting buoy trajectories in Artic Ocean
and adjacent seas

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DRIFTING BUOYS

By the end of March, **108 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 these:

1. 15 were Argos SVP-Bs;
2. 58 were Iridium SVP-Bs.

The remaining ones were 33 buoys owned by NOAA and upgraded with barometers by E-SURFMAR and two SVP-BW drifters provided by Environment Canada.

One IceXAir, one Iceb buoy and 5 SVP-B drifters funded by EUMETNET were operating in the Arctic. Arctic buoys are the subject of a separate table.

In addition:

1. a few non-EUCOS SVP-Bs were still in operation in the Poleward programme (off Norway) as well as a few others in the drogue gauge test experiment off France ;
2. Météo-France was operating a few salinity drifters (SVP-BS) ;
3. a new design prototype of Iridium SVP-B (WMO 44747), built by Metoceane and deployed in November 2008, has been reporting its data onto the GTS since the 19th of March 2009.

All of these buoys are fitted with a barometer and report their data onto the GTS. Their measurements are carefully monitored by Météo-France as for E-SURFMAR buoys.

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

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
44606	547440	MSB	EU	20090327	43.4	-53.9	Halifax	Iridium
44845	83395	TSB	UP	20090311	38.4	-63.0	Charleston	Argos
44849	83397	TSB	UP	20090311	37.8	-68.0	Charleston	Argos
44878	83398	TSB	UP	20090312	39.7	-53.0	Charleston	Argos
44879	83399	TSB	UP	20090313	40.9	-48.0	Charleston	Argos
44882	83396	TSB	UP	20090312	39.1	-57.9	Charleston	Argos
62515	549840	MSB	EU	20090328	43.1	-38.0	Halifax	Iridium
62516	278820	MSB	EU	20090329	42.6	-34.0	Halifax	Iridium (free)
62517	541840	MSB	EU	20090329	41.3	-26.0	Halifax	Iridium
63669	36220	MSB	EU	20090311	66.1	1.9	OWS Mike	Iridium
	277830	MSB	EU	20090328	42.5	-30.0	Halifax	Iridium (free) - Failed at deployment
	652800	MSB	EU	20090329	41.5	-22.0	Halifax	Iridium - Failed at deployment

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	751	-	-	X	X	-	-	-	-	-	-	-	T	0103-3103	79.13	-118.04	971
25619	76821	MSB	EU	744	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	86.93	-147.23	187
25620	76823	MSB	EU	719	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	85.09	-168.15	186
25621	76826	MSB	EU	721	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	86.21	158.42	184
25622	76825	MSB	EU	743	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	85.77	139.97	180
48662	76824	MSB	EU	720	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	82.98	-129.92	214
48665	73389	MIB	EU	751	-	X	X	X	-	-	-	-	-	-	-	T	0103-3103	80.22	-116.54	576

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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
41557	83404	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.64	-36.79	70
41558	83394	TSB	UP	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	37.49	-47.77	70
41559	83390	TSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	39.27	-35.28	70
41571	83391	TSB	UP	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	35.26	-33.46	70
41715	83400	TSB	UP	736	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	33.77	-62.62	73
41716	83401	TSB	UP	729	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	35.67	-54.16	73
41717	83402	TSB	UP	740	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	32.61	-47.69	72
41718	83403	TSB	UP	733	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	37.51	-44.28	71
41719	83392	TSB	UP	735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	36.22	-40.64	71
41958	70824	TSB	UP	703	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	40.40	-45.19	710
44605	53540	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	44.91	-41.88	42
44606	547440	MSB	EU	112	-	-	X	X	X	-	-	X	-	-	-	T	2703-3103	43.00	-54.09	5
44620	628430	MSB	FR	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	64.76	-34.67	382
44622	349690	MSB	EU	739	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	49.07	-41.16	92
44624	346690	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	47.08	-35.38	57
44625	337190	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	52.60	-10.27	316
44626	348690	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	38.18	-36.31	59
44627	344690	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	40.64	-35.87	59
44630	68046	MSB	EU	705	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	32.80	-29.20	444
44638	79157	MSW	CA	750	X	-	X	X	X	-	-	X	-	-	-	L	0103-3103	41.32	-38.83	107
44639	83654	MSW	CA	762	X	-	X	X	X	-	-	X	-	-	-	L	0103-3103	43.56	-40.38	108
44723	76817	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	48.45	-41.78	43
44724	35240	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	58.03	-52.78	437
44727	31240	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	60.77	-17.14	389
44728	728380	MSB	EU	739	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	43.80	-50.38	389
44729	728390	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	40.72	-19.95	389
44741	729380	MSB	EU	742	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	47.84	-9.61	353
44743	76815	MSB	EU	714	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	38.40	-25.56	346
44760	330200	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	58.44	-31.01	308
44761	722390	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	52.67	-31.28	305
44762	720400	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	41.27	-39.86	304
44763	76822	MSB	EU	714	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	52.34	-18.62	305
44764	76813	MSB	EU	713	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	48.02	-18.27	205
44765	76810	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	49.09	-41.01	205
44766	76811	MSB	EU	721	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	53.77	-42.55	205
44767	149090	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	57.00	-32.38	198
44768	348680	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	54.87	-17.67	196
44770	541850	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	50.71	-14.37	196
44771	76812	MSB	EU	718	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	54.14	-21.05	205
44772	57610	MSB	EU	741	-	-	X	X	S	-	-	X	-	-	-	T	0103-3103	50.13	-32.28	123
44773	545300	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	62.31	-30.05	122
44774	56610	MSB	EU	734	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	54.89	-40.99	122
44775	345690	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	57.48	-24.18	115
44776	345680	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	55.39	-37.07	115
44777	340700	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	56.10	-35.37	114
44778	347670	MSB	EU	742	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	46.56	-28.20	93
44779	342680	MSB	EU	743	-	-	X	X	S	-	-	X	-	-	-	T	0103-3103	48.41	-28.50	93
44780	543830	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	48.24	-39.51	92
44835	83430	TSB	UP	733	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	46.89	-52.56	44
44836	70829	TSB	UP	737	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	29.39	-26.72	679
44837	83431	TSB	UP	740	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	46.68	-44.97	43
44838	83432	TSB	UP	739	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	49.31	-45.50	43
44839	70831	TSB	UP	702	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	34.29	-46.06	677
44840	70832	TSB	UP	713	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	34.71	-44.27	676
44841	83433	TSB	UP	742	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	50.22	-47.36	43
44843	83434	TSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	51.82	-39.48	43
44845	83395	TSB	UP	466	-	-	X	X	X	-	-	X	-	-	-	L	1203-3103	37.53	-61.54	21
44849	83397	TSB	UP	466	-	-	X	X	X	-	-	X	-	-	-	L	1203-3103	36.38	-68.26	21
44850	55318	TSB	UP	697	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	38.45	-44.96	1347
44878	83398	TSB	UP	376	-	-	X	X	X	-	-	X	-	-	-	L	1603-3103	39.54	-47.88	20
44879	83399	TSB	UP	375	-	-	X	X	-	-	-	X	-	-	-	L	1603-3103	40.77	-48.03	19
44882	83396	TSB	UP	370	-	-	X	X	X	-	-	X	-	-	-	L	1603-3103	39.51	-48.37	20
44903	70822	TSB	UP	712	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	29.31	-33.25	651
44905	70818	TSB	UP	714	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	24.05	-59.93	648
44912	70819	TSB	UP	718	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	31.75	-26.92	648
44914	63846	TSB	UP	704	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	33.57	-29.48	1049
44915	70838	TSB	UP	723	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	28.94	-39.64	529
44918	63837	TSB	UP	715	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	33.20	-28.30	999
44919	63838	TSB	UP	716	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	26.88	-51.79	998
44920	63839	TSB	UP	723	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	29.28	-38.55	997

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62511	546830	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	34.71	-18.30	61
62512	549820	MSB	EU	740	-	-	X	X	S	-	-	X	-	-	-	T	0103-3103	35.15	-28.80	61
62513	76814	MSB	EU	711	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	45.68	-32.00	44
62514	76816	MSB	EU	713	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	48.42	-23.96	43
62515	549840	MSB	EU	42	-	-	X	X	X	-	-	X	-	-	-	T	3003-3103	43.44	-38.95	4
62516	278820	MSB	EU	42	-	-	X	X	X	-	-	X	-	-	-	T	3003-3103	42.66	-34.03	3
62517	541840	MSB	EU	42	-	-	X	X	X	-	-	X	-	-	-	T	3003-3103	41.20	-26.22	3
62521	33240	MSB	EU	740	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	50.24	-24.21	347
62522	39250	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	45.98	-9.17	319
62551	334200	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	62.19	0.92	318
62552	333200	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	57.11	-13.19	318
62553	30250	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	42.37	-14.73	284
62554	332200	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	57.28	-14.41	283
62556	42790	TSB	FR	718	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	25.54	-75.58	1813
62557	411650	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	56.80	-21.93	277
62558	338190	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	62.53	-19.07	279
62559	336200	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	60.20	-24.70	269
62560	331200	MSB	EU	742	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	57.53	-17.84	269
62561	35250	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	58.81	-1.94	267
62562	542830	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	39.96	-19.37	95
62712	723380	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	36.36	-16.12	391
62713	722380	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	29.59	-13.97	390
62714	725390	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	64.53	-31.56	354
62905	70820	TSB	UP	703	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	25.14	-44.70	653
63551	38250	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	69.47	-0.10	58
63661	76808	MSB	EU	719	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	72.43	37.46	267
63663	76807	MSB	EU	712	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	70.20	43.70	267
63664	76809	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	75.05	11.75	267
63666	76819	MSB	EU	720	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	73.74	24.43	267
63667	909520	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	69.88	7.94	236
63668	36250	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	70.04	-4.83	177
63669	36220	MSB	EU	489	-	-	X	X	X	-	-	X	-	-	-	T	1103-3103	67.26	1.02	21
64516	339190	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	56.08	-44.59	307
64518	31250	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	71.01	31.64	300
64519	336190	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	65.19	-8.14	300
64520	124260	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	72.08	1.16	299
64606	654800	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	62.59	-38.88	120
64622	724380	MSB	EU	740	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	59.79	-35.59	437

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
41714	83393	TSB	UP	20090313	30.8	-75.3	55	Failed
44615	68040	MSB	EU	20090314	57.0	-26.7	365	Faded
44629	726380	MSB	EU	20090318	55.5	-20.9	449	Faded
44833	70845	TSB	UP	20090324	60.1	-1.4	648	Ashore in Shetland Is.
44922	63860	TSB	UP	20090324	22.9	-74.8	921	Ashore in Bahamas Is.
62555	335200	MSB	EU	20090326	60.2	0.3	275	Failed

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
44612	512480	MSY	FR	715	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	57.95	-35.94	382
44623	721380	MSB	EU	738	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	48.33	-12.45	347
62711	68042	MSB	EU	716	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	47.27	-22.95	444
63537	68045	MSB	EU	717	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	75.41	-5.27	446
63634	68029	MSB	EU	721	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	70.08	-4.27	578
64517	34250	MSB	EU	739	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	74.89	3.71	300
62555	335200	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0103-3103	60.18	0.29	280

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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
31743	63796	AOML		734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	6.50	-53.18
31858	69005	INPE		721	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	12.82	-64.14
31859	72577	LODY		739	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	16.47	-44.81
31860	72579	LODY		946	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	8.83	-33.37
41688	63912	AOML		710	-	-	X	X	X	-	-	-	-	-	-	L	0103-3103	25.47	-54.11
41699	79334	AOML		743	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	32.15	-51.18
41700	79335	AOML		734	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	33.83	-45.92
44747	337180	MTOC		301	-	-	X	X	X	-	-	X	-	-	-	T	1903-3103	45.08	-43.30
44910	71044	AOML		735	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	38.06	-56.92
62505	49678	CMM		742	-	-	X	X	-	-	-	X	-	-	-	T	0103-3103	48.20	-11.94
62506	49680	CMM		1115	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	37.85	-19.95
62507	30316	CMM		717	-	-	X	X	X	-	-	X	-	-	-	T	0103-3103	45.14	-2.69
62508	72578	LODY		765	-	-	X	X	X	-	-	X	-	-	X	T	0103-3103	44.34	-3.56
62929	83327	AOML		739	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	31.48	-12.51
62930	78773	AOML		620	-	-	X	-	X	-	-	X	-	-	-	L	0103-3103	40.76	-11.68
63529	26914	CMR		2181	-	-	X	-	X	-	-	-	-	-	-	T	0103-3103	79.93	17.37
63571	78692	AOML		745	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	71.76	20.52
63573	78691	AOML		760	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	70.85	11.61
63574	78690	AOML		733	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	66.08	12.06
63659	78705	AOML		692	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	64.32	5.13
63991	78694	AOML		598	-	-	X	X	X	-	-	X	-	-	-	L	0103-3103	68.12	13.79

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	740	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	43.40	7.80
61002	Lion	535	X	-	-	X	-	O	0103-3103	42.10	4.70						
62001	Gascogne	742	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	45.30	-5.00
62029	K1	741	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	48.70	-12.50
62052	Ushant	738	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	48.50	-5.80
62081	K2	737	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	51.00	-13.20
62090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
62091	M2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-5.40
62092	M3	738	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	51.20	-10.50
62093	M4	742	-	X	X	X	X	X	X	-	-	X	-	O	0103-3103	54.70	-9.10
62094	M5	720	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	51.70	-6.70
62095	M6	733	X	-	-	X	-	O	0103-3103	53.10	-15.90						
62105	K4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.80	-11.40
62108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
62163	Brittany	328	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	47.50	-8.40
64045	K5	742	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	59.10	-11.70
64046	K7	742	X	X	X	X	X	X	X	-	-	X	-	O	0103-3103	60.70	-5.20
64071	N-Iceland	735	X	X	-	-	X	X	-	-	-	X	-	O	0103-3103	68.50	-9.30

Comments:

- EUCOS moored buoys are presented in bold characters.

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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	X	-	-	-	-	O		28.18	-15.82
13131	Tenerife Sur		X	X	X	-	X	X	X	-	-	-	-	O		28.00	-16.58
61196	C. Begur		-	-	-	-	-	-	-	-	-	-	-	-		41.92	3.65
61197	Mahon		-	-	-	-	-	-	-	-	-	-	-	-		39.72	4.42
61198	C. de Gata		X	X	X	-	X	X	X	-	-	-	-	X	O	36.57	-2.33
61280	Tarragona		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
61417	C. de Palos		X	X	X	-	X	X	X	-	-	-	-	X	O	37.65	-0.32
61430	Dragonera		X	X	X	-	-	X	X	-	-	-	-	O		39.56	2.11
62024	Bilbao-Visc.		-	-	-	-	-	-	-	-	-	-	-	-		43.63	-3.03
62025	C. de Penas		-	-	-	-	-	-	-	-	-	-	-	-		43.73	-6.17
62082	E. de Barres		X	X	X	-	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	62084	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
	Santander		X	X	X	-	X	X	X	-	-	-	-	O		43.84	-3.77

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 April 1st, 2009.
- 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
13308	East Atlantic		-	-	-	-	-	-	-	-	-	-	-	-		15.00	-38.00
41040	West Atlantic	733	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	14.50	-53.00
41041	Mid. Atlantic	733	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	14.50	-46.00
41043	Porto Rico	734	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	21.00	-65.00
41046			-	-	-	-	-	-	-	-	-	-	-	-		23.90	-70.90
41047			-	-	-	-	-	-	-	-	-	-	-	-		27.50	-71.50
41048		724	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	32.00	-69.60
41100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-	-		15.90	-57.90
41101	E Martinique	733	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	14.60	-56.20
42059	Caribes		-	-	-	-	-	-	-	-	-	-	-	-		15.00	-67.50
44008	A Nantucket	736	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	40.50	-69.40
44011	D Georges Bk	735	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	41.10	-66.60
44018	SE Cape Cod	735	X	X	X	X	X	X	-	-	-	X	-	O	0103-3103	41.30	-69.30
44024	NNE Channel	439	X	-	X	X	X	X	-	-	-	-	-	O	0103-3103	42.30	-65.90
44137	E Scotia Sl.	714	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	42.30	-62.00
44138	SW Gd Banks	734	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	44.30	-53.60
44139	Beanquereau	729	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	44.30	-57.10
44140	Tail of Bk	497	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	43.80	-51.70
44141	Larentian F	734	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	43.00	-58.00
44150	La Have Bk	730	X	X	X	X	X	X	-	-	-	-	-	O	0103-3103	42.50	-64.00

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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 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.

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Buoy-QC statistics from Meteo-France model outputs

Datend : Date of the last value received on GTS
Recv : 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, March 2009

Datend	WMO	Telcom	Recv	GE	Bias	Std
20090331	25534	66739	643	24	0.0	0.7
20090331	25619	76821	703	0	-0.6	0.5
20090331	25620	76823	713	0	-0.2	0.5
20090331	25621	76826	704	0	0.4	0.6
20090331	25622	76825	702	0	0.2	0.6
20090331	41557	83404	709	0	0.0	0.9
20090331	41558	83394	712	19	1.5	1.9
20090331	41559	83390	711	0	-0.1	0.9
20090331	41571	83391	704	0	-0.1	0.6
20090313	41714	83393	282	0	0.2	0.8
20090331	41715	83400	716	0	0.2	0.9
20090331	41716	83401	711	0	-0.1	1.0
20090331	41717	83402	716	0	-0.1	0.8
20090331	41718	83403	710	0	-0.2	0.9
20090331	41719	83392	711	1	0.0	0.8
20090331	41958	70824	692	0	0.2	0.8
20090331	44605	53540	740	9	0.1	1.2
20090331	44606	547440	112	0	-1.6	1.7
20090314	44615	68040	293	2	-0.6	1.6
20090331	44620	628430	741	0	0.1	1.3
20090331	44622	349690	739	0	-0.1	1.1
20090331	44624	346690	739	0	0.8	1.1
20090331	44625	337190	741	0	0.8	1.0
20090331	44626	348690	739	0	0.7	0.9
20090331	44627	344690	742	0	1.0	1.0
20090318	44629	726380	547	0	-0.6	1.4
20090331	44638	79157	699	2	0.3	1.0
20090331	44639	83654	690	1	0.4	1.1
20090331	44723	76817	704	1	-0.2	1.2
20090331	44724	35240	738	0	-0.5	1.2
20090331	44727	31240	741	0	-0.4	1.5
20090331	44728	728380	739	0	-0.2	1.2
20090331	44729	728390	740	0	0.2	0.6
20090331	44741	729380	742	0	0.5	0.8
20090331	44743	76815	709	0	0.0	0.7
20090331	44747	514490	301	0	-0.1	0.8
20090331	44760	330200	739	0	0.5	1.4
20090331	44761	722390	741	0	-0.4	1.3
20090331	44762	720400	740	0	0.5	0.9
20090331	44763	76822	708	1	0.1	1.1
20090331	44764	76813	706	0	-0.1	1.0
20090331	44765	76810	713	0	-0.1	1.1
20090331	44766	76811	715	0	0.3	1.3
20090331	44767	149090	740	0	-0.2	1.5
20090331	44768	348680	740	0	0.0	1.3
20090331	44770	541850	741	0	0.6	1.1
20090331	44771	76812	713	0	0.3	1.3
20090331	44772	57610	741	1	0.2	1.2
20090331	44773	545300	740	0	-0.1	1.5
20090331	44774	56610	734	0	-0.4	1.4
20090331	44775	345690	740	0	0.5	1.5
20090331	44776	345680	741	2	-0.3	1.4
20090331	44777	340700	738	0	0.4	1.5
20090331	44778	347670	742	0	0.2	0.9
20090331	44779	342680	743	1	0.8	1.2
20090331	44780	543830	740	1	0.4	1.1
20090323	44833	70845	505	0	-0.1	1.3
20090331	44835	83430	717	18	0.5	1.5
20090331	44836	70829	696	1	0.2	0.5
20090331	44837	83431	704	2	0.7	1.5
20090331	44838	70830	713	1	0.8	1.7
20090331	44839	70831	676	0	-0.4	0.9

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20090331	44840	70832	686	0	0.1	1.1
20090331	44841	83433	700	0	-0.1	1.3
20090331	44843	83434	711	0	-0.1	1.2
20090331	44845	83395	449	0	0.0	1.0
20090331	44849	83397	455	0	0.0	0.9
20090331	44850	55318	674	7	-0.2	0.8
20090331	44878	83398	359	0	0.0	0.8
20090331	44879	83399	365	0	0.0	0.7
20090331	44882	83396	363	0	-0.2	0.8
20090331	44903	70822	685	0	0.0	0.5
20090331	44905	70818	686	0	0.1	0.8
20090331	44912	70819	694	0	-0.4	0.6
20090331	44914	63846	686	0	-0.1	0.6
20090331	44915	70838	695	0	0.0	0.6
20090331	44918	63837	694	7	-0.1	0.6
20090331	44919	63838	703	0	0.0	0.7
20090331	44920	63839	700	0	-0.1	0.6
20090324	44922	63860	524	0	0.1	0.8
20090331	48662	76824	712	0	0.0	0.6
20090331	48665	73389	679	0	-0.7	0.5
20090331	62511	546830	739	0	0.7	0.5
20090331	62512	549820	740	0	0.2	0.5
20090331	62513	76814	705	0	0.0	1.1
20090331	62514	76816	707	0	-0.2	1.2
20090331	62515	549840	42	0	0.3	0.8
20090331	62516	278820	42	0	2.3	2.3
20090331	62517	541840	42	0	-0.3	0.5
20090331	62521	33240	740	0	0.8	1.3
20090331	62522	39250	741	0	0.8	0.7
20090331	62551	334200	742	0	0.8	1.3
20090331	62552	333200	741	0	0.5	1.3
20090331	62553	30250	742	0	0.7	0.6
20090331	62554	332200	738	0	0.1	1.4
20090330	62555	335200	704	90	0.7	1.9
20090331	62556	42790	709	0	0.1	0.8
20090331	62557	411650	741	0	0.8	1.4
20090331	62558	338190	742	0	0.6	1.3
20090331	62559	336200	744	0	-0.2	1.4
20090331	62560	331200	742	0	0.3	1.4
20090331	62561	35250	740	0	0.3	1.5
20090331	62562	542830	740	0	0.2	0.6
20090331	62712	723380	742	0	0.5	0.6
20090331	62713	722380	738	0	0.2	0.5
20090331	62714	725390	738	0	0.2	1.5
20090331	62905	70820	686	0	0.3	0.7
20090331	63551	38250	742	0	-0.7	1.1
20090331	63661	76808	711	0	0.1	0.8
20090331	63663	76807	712	0	0.5	1.6
20090331	63664	76809	704	2	0.0	1.2
20090331	63666	76819	713	1	0.1	1.3
20090331	63667	909520	744	0	0.5	1.0
20090331	63668	36250	739	0	0.1	1.2
20090331	63669	362220	489	0	0.1	1.1
20090331	64516	339190	741	1	0.7	1.2
20090331	64518	31250	739	0	0.6	1.0
20090331	64519	336190	742	0	0.5	1.6
20090331	64520	124260	742	0	0.4	1.0
20090331	64606	56610	741	0	-0.4	1.4
20090331	64622	724380	740	0	0.0	1.3

Air Pressure (hPa), moored buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20090331	61001		740	0	-0.2	0.9
20090331	61002		535	0	-0.3	0.9
20090331	62001		742	0	-0.1	0.9
20090331	62029		741	31	-0.1	0.8
20090331	62052		737	0	0.4	0.9
20090331	62081		737	2	-0.3	1.0
20090331	62092		736	0	0.2	1.1
20090331	62093		741	0	-0.4	1.1
20090331	62094		716	0	0.1	1.1
20090331	62095		733	0	-0.2	1.2
20090331	62163		281	0	-0.1	0.9

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20090331	64045	742	0	-0.3	1.4
20090331	64046	733	1	-0.2	1.5

Air Temperature (C), drifting buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20090331	48665	73389	679	0	-2.1	4.2

Air Temperature (C), moored buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20090331	61001		740	0	0.6	0.8
20090331	61002		333	5	0.3	1.2
20090331	62001		742	0	-0.1	0.4
20090331	62029		739	0	-0.2	0.5
20090331	62052		737	0	-0.2	0.5
20090331	62081		737	0	-0.3	0.7
20090331	62092		736	1	0.1	0.6
20090331	62093		742	0	0.1	0.7
20090331	62094		721	1	0.2	0.8
20090331	62095		733	0	-0.6	0.8
20090331	62163		298	2	-0.2	0.5
20090331	64045		742	0	-0.5	0.8
20090331	64046		720	0	0.0	0.7

Wind direction (deg.), drifting buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20090331	44638	79157	618	22	4.	19.
20090331	44639	83654	590	10	1.	26.

Wind direction (deg.), moored buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20090331	61001		740	109	-1.	38.
20090331	61002		326	5	0.	20.
20090331	62001		742	1	3.	17.
20090331	62029		741	2	1.	14.
20090331	62052		732	1	-1.	20.
20090331	62081		728	1	-1.	12.
20090331	62092		736	1	2.	16.
20090331	62094		697	10	-4.	20.
20090331	62095		733	7	-5.	14.
20090331	62163		321	6	0.	20.
20090331	64045		742	9	5.	19.
20090331	64046		741	21	0.	22.

Wind speed rate, drifting buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20090331	44638	79157	618	5	1.5	2.6
20090331	44639	83654	590	0	1.2	2.1

Wind speed rate, moored buoys, March 2009

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20090331	61001		740	0	1.7	2.5
20090331	61002		326	0	1.0	2.0
20090331	62001		742	0	1.0	1.2
20090331	62029		741	0	0.9	1.3
20090331	62052		738	0	1.0	1.6

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20090331	62081	728	0	0.8	2.4
20090331	62092	737	0	1.0	1.5
20090331	62094	698	0	1.3	1.5
20090331	62095	733	0	0.9	1.5
20090331	62163	324	0	1.0	1.7
20090331	64045	742	0	1.0	1.9
20090331	64046	742	0	1.0	2.1

Comments on QC statistics :

Air pressure

4. IcexAir buoy 66739 (WMO **25534**) reported about 4% of gross errors this month. As previously written, it is difficult to automatically filter them.
5. Air pressure values reported by upgraded SVP-B drifters 83394 and 83430 (WMO **41558** and **44835** respectively) presented some spikes. However, it was decided to keep these buoy in operation since their data appear not too bad in average.
6. Air pressure values reported by Metoceane Iridium SVP-B drifters 547440 and 278820 (WMO **44606** and **62516** respectively) presented some differences with the model outputs. However, it must be noticed they were deployed at the end of the month and, consequently, the number of reports is still small. These buoys will be carefully checked during the first days of April.
7. Metoceane Iridium SVP-B drifter 344690 (WMO **44627**), deployed on the 1st of February, has been presenting a systematic bias of 1.0 hPa for air pressure when compared to several model outputs. This will be corrected at the beginning of April.
8. Metoceane Iridium SVP-B drifter 335200 (WMO **62555**) reported a few wrong air pressure values onto the GTS before the transmission of this parameter onto the GTS was stopped.
9. K1 moored buoy (WMO **62029**) reported about 5% of wrong air pressure values in February.

Air Temperature

10. Temperature values reported by Iceb buoy Argos 73389 (WMO **48665**) in March presented some differences with the French model outputs. As for previous periods, this is probably due to the model and not to the buoy which correctly measures this parameter.

Wind

11. 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.

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.