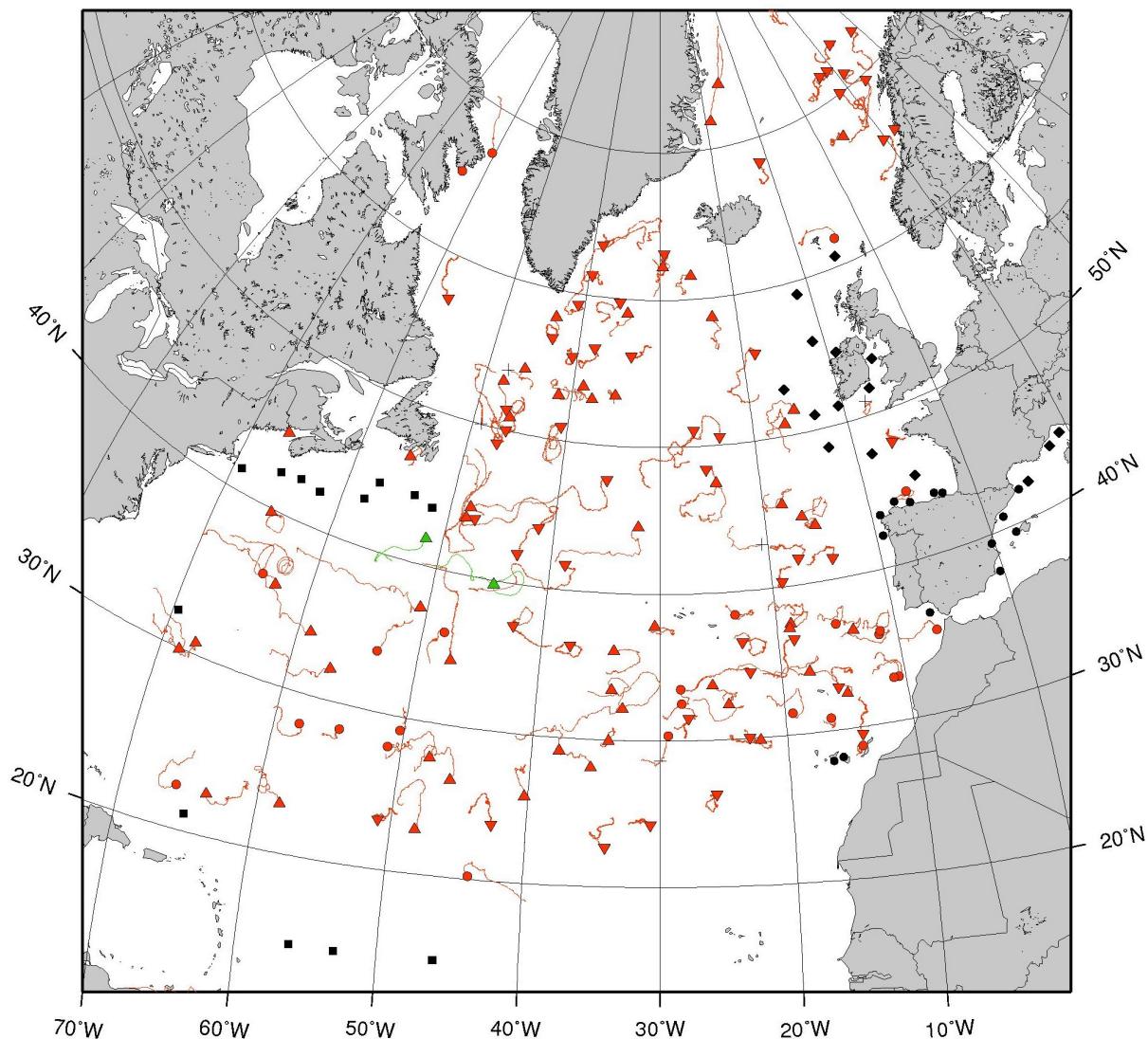


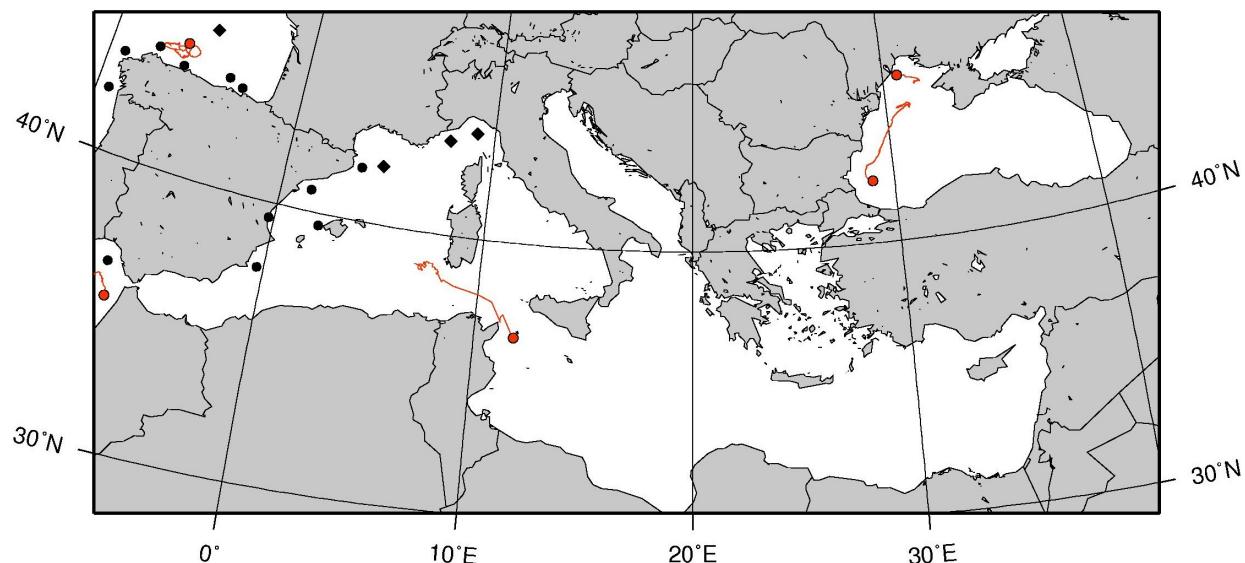
DATA BUOY MONTHLY REPORT

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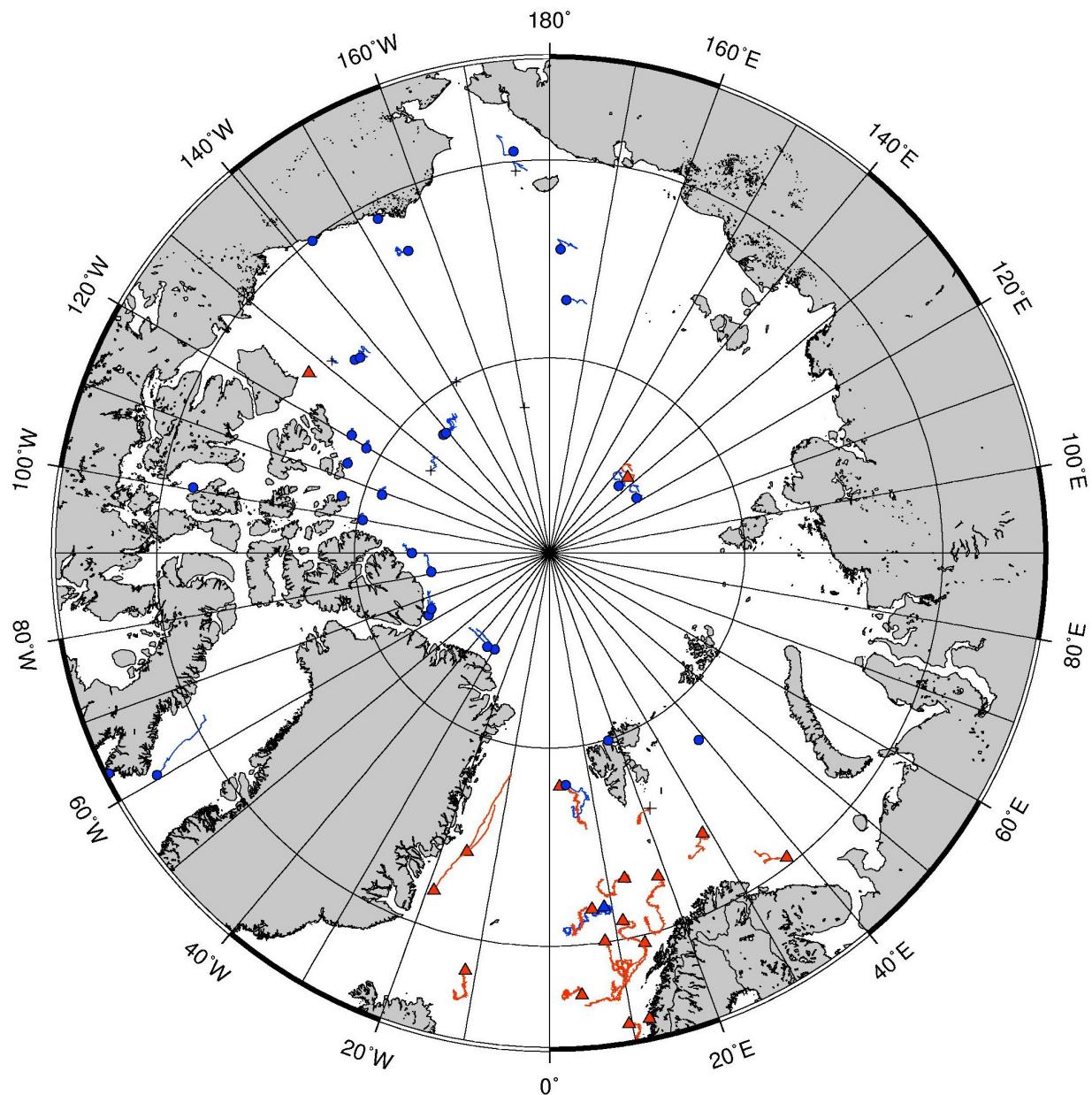
January 2010 - Operating data buoys in the North Atlantic
Drifting buoy trajectories and moored buoy positions

E-SURFMAR DB Monthly Report
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January 2010 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions

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January 2010 - Drifting buoy trajectories in Artic Ocean
and adjacant seas

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DRIFTING BUOYS

Network status

By the end of January, **103 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. 4 were Argos SVP-Bs;
2. 52 were Iridium SVP-Bs.

The remaining buoys were 43 buoys owned by NOAA and upgraded with barometers by E-SURFMAR, and four SVP-BW drifters provided by Environment Canada. Out of these, only two were reporting wind observations by the end of January. It must be noticed that, three upgraded buoys out of four which did not emit after their deployments in last November, started their reports in January (Argos Ids 89829, 89830 and 89831).

One Iceb buoy and 5 SVP-B drifters funded by EUMETNET were operating in the north of the Arctic circle, by the end of the month. These SVP-Bs include three drifters out of the twelve funded by the surplus received from E-ASAP in 2008, which were deployed in August and September 2009.

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

The GTS data transmission of Iridium buoys did not suffered from any interruption in January.

Drifting buoys - New deployments

WMO	Telcom	Typ	Ow	Dep_Date	DepLat	DepLon	From	Comment
44848	83425	TSB	UP	20100103	54.0	-41.9	Boston	Reykjafoss
44876	89813	TSB	UP	20100129	43.3	-50.0	Charleston	Liverpool Express
44880	83428	TSB	UP	20100101	48.0	-51.0	Boston	Reykjafoss
44895	83429	TSB	UP	20100102	51.0	-46.6	Boston	Reykjafoss
44936	89804	TSB	UP	20100103	52.9	-40.0	Charleston	Liverpool Express
44937	89805	TSB	UP	20100102	52.9	-45.0	Charleston	Liverpool Express
44938	89806	TSB	UP	20100101	48.8	-50.0	Charleston	Liverpool Express
44943	89807	TSB	UP	20100101	45.8	-55.0	Charleston	Liverpool Express
44944	89808	TSB	UP	20100103	52.9	-35.0	Charleston	Liverpool Express
62904	89809	TSB	UP	20100131	49.1	-25.1	Charleston	Liverpool Express
62907	89810	TSB	UP	20100131	48.2	-31.8	Charleston	Liverpool Express
62910	83426	TSB	UP	20100104	60.0	-31.3	Boston	Reykjafoss
62926	83427	TSB	UP	20100104	57.5	-35.9	Boston	Reykjafoss
62928	89811	TSB	UP	20100131	48.8	-28.0	Charleston	Liverpool Express
62932	89812	TSB	UP	20100131	48.5	-30.0	Charleston	Liverpool Express

Supplementary drifting buoys (e.g. in Arctic) by the end of the month

WMO	Telcom	Typ	Ow	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon	Age
25621	76826	MSB	EU	741	-	-	X	X	-	-	-	X	-	-	-	T	0101-3101	74.20	-15.51	489
25622	76825	MSB	EU	740	-	-	X	X	-	-	-	X	-	-	-	T	0101-3101	71.83	-18.95	487
25624	96849	MSB	EU	740	-	-	X	X	-	-	-	X	-	-	-	T	0101-3101	84.44	133.91	158
48665	73389	MIB	EU	759	-	X	X	X	-	-	-	-	-	-	-	T	0101-3101	74.64	-126.72	882
63638	96848	MSB	EU	738	-	-	X	X	-	-	-	X	-	-	-	T	0101-3101	73.70	28.61	182
63641	96851	MSB	EU	741	-	-	X	X	-	-	-	X	-	-	-	T	0101-3101	70.37	37.91	136

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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
13972	349680	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	32.85	-15.53	259
13975	59530	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	22.67	-34.12	241
13976	50540	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	24.25	-30.76	240
41557	83404	TSB	UP	750	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	32.36	-14.89	376
41558	83394	TSB	UP	747	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	32.15	-33.05	376
41559	83390	TSB	UP	751	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	33.71	-25.74	376
41571	83391	TSB	UP	750	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	28.10	-35.39	376
41596	53610	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	23.77	-42.61	66
41597	58610	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	23.23	-50.98	66
41716	83401	TSB	UP	754	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	37.48	-18.80	379
41717	83402	TSB	UP	747	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	29.94	-34.07	378
41718	83403	TSB	UP	752	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	36.45	-13.63	377
41719	83392	TSB	UP	751	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	32.38	-24.48	377
41958	70824	TSB	UP	718	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	33.41	-33.97	1016
41984	89825	TSB	UP	743	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	33.80	-59.03	39
41986	89828	TSB	UP	730	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	35.81	-62.91	39
44546	55610	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	50.59	-23.66	261
44547	650800	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	56.49	-38.05	48
44548	540840	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	50.02	-46.46	47
44549	343680	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	49.03	-47.09	47
44550	549830	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	43.95	-41.51	46
44606	547440	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	36.31	-37.61	311
44607	540850	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	63.16	-29.37	234
44608	541830	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	55.73	-40.63	234
44609	50620	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	47.67	-35.39	232
44610	653800	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	56.16	-33.55	233
44611	143100	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	51.39	-46.91	141
44613	658800	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	61.41	-39.64	263
44614	347690	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	56.75	-43.38	140
44615	58600	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	41.69	-38.67	70
44616	346680	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	63.49	-38.69	139
44617	54610	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	51.09	-26.39	134
44621	52610	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	50.93	-40.73	70
44622	349690	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	48.43	-25.31	398
44626	348690	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	34.49	-22.57	365
44629	544440	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	37.22	-42.58	71
44636	79158	MSW	CA	765	X	-	X	X	X	-	-	X	-	-	-	L	0101-3101	41.73	-51.53	232
44637	79159	MSW	CA	733	X	-	X	X	X	-	-	X	-	-	-	L	0101-3101	39.74	-44.77	235
44643	87675	MSW	CA	741	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	44.55	-32.09	168
44645	87679	MSW	CA	743	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	47.43	-24.39	169
44721	659800	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	42.02	-43.12	134
44746	540430	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	43.79	-47.57	124
44765	76810	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	51.67	-15.25	511
44766	76811	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	58.72	-23.21	511
44771	76812	MSB	EU	746	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	61.58	-25.66	511
44772	51620	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	34.27	-47.34	69
44776	345680	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	55.88	-18.48	421
44777	340700	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	59.28	-40.93	420
44780	543830	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	47.89	-6.16	398
44835	89831	TSB	UP	134	-	-	X	X	X	-	-	X	-	-	-	L	2601-3101	58.16	-43.43	83
44836	70829	TSB	UP	729	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	23.10	-58.34	985
44839	70831	TSB	UP	715	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	34.13	-17.71	983
44840	70832	TSB	UP	726	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	45.54	-18.18	982
44841	83433	TSB	UP	754	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	50.81	-16.57	349
44845	83395	TSB	UP	752	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	37.79	-30.48	327
44848	83425	TSB	UP	657	-	-	X	X	X	-	-	X	-	-	-	L	0401-3101	53.04	-41.52	29
44849	83397	TSB	UP	747	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	29.92	-68.55	327
44878	83398	TSB	UP	747	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	36.07	-33.88	326
44879	83399	TSB	UP	755	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	44.51	-16.48	325
44880	83428	TSB	UP	468	-	-	X	X	X	-	-	X	-	-	-	L	1201-3101	44.49	-48.18	31
44882	83396	TSB	UP	747	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	29.84	-22.10	326
44887	89829	TSB	UP	276	-	-	X	X	X	-	-	X	-	-	-	L	2001-3101	53.85	-38.84	85
44889	89830	TSB	UP	276	-	-	X	X	X	-	-	X	-	-	-	L	2001-3101	50.90	-46.34	84
44895	83429	TSB	UP	278	-	-	X	X	X	-	-	X	-	-	-	L	2001-3101	53.19	-47.91	30
44903	70822	TSB	UP	728	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	22.89	-48.18	957
44905	70818	TSB	UP	729	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	30.65	-67.48	954
44912	70819	TSB	UP	722	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	22.45	-63.71	954
44915	70838	TSB	UP	709	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	26.43	-46.01	835
44918	63837	TSB	UP	720	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	25.87	-40.28	1305
44919	63838	TSB	UP	714	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	31.96	-56.73	1304

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44920	63839	TSB	UP	726	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	29.12	-37.90	1303
44933	89826	TSB	UP	741	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	39.79	-65.37	44
44935	89824	TSB	UP	744	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	37.27	-50.64	44
44936	89804	TSB	UP	655	-	-	X	X	X	-	-	X	-	-	-	L	0401-3101	53.04	-37.74	29
44937	89805	TSB	UP	655	-	-	X	X	X	-	-	X	-	-	-	L	0401-3101	54.30	-45.84	30
44938	89806	TSB	UP	655	-	-	X	X	X	-	-	X	-	-	-	L	0401-3101	43.73	-48.38	31
44943	89807	TSB	UP	653	-	-	X	X	X	-	-	X	-	-	-	L	0401-3101	46.59	-55.11	31
44944	89808	TSB	UP	653	-	-	X	X	X	-	-	X	-	-	-	L	0401-3101	53.41	-35.13	29
62511	546830	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	29.57	-14.10	367
62512	549820	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	36.41	-18.66	367
62513	76814	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	43.80	-15.36	350
62517	541840	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	41.77	-17.39	309
62518	341690	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	26.33	-25.69	259
62519	342700	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	59.75	-35.35	48
62520	650810	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	31.53	-27.73	242
62562	542830	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	30.09	-22.96	401
62694	657800	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	40.35	-19.09	73
62695	651800	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	36.57	-23.05	70
62905	70820	TSB	UP	714	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	27.70	-47.76	959
62910	83426	TSB	UP	630	-	-	X	X	X	-	-	X	-	-	-	L	0501-3101	62.22	-29.65	28
62926	83427	TSB	UP	629	-	-	X	X	X	-	-	X	-	-	-	L	0501-3101	59.05	-34.25	28
63536	51610	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	65.88	12.10	150
63538	52540	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	70.05	8.12	167
63539	57540	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	71.75	8.73	200
63551	38250	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	78.04	2.42	364
63554	59610	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	69.62	13.71	97
63643	656800	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	67.52	4.22	88
63644	655810	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	70.91	11.24	67
63669	36220	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	71.72	6.76	327
63670	36240	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	72.99	12.97	280
63671	38240	MSB	EU	742	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	72.62	18.55	251
64522	652810	MSB	EU	741	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	57.16	-57.24	264
64524	655800	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	65.81	9.58	262

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
44723	76817	MSB	EU	20100119	43.0	-20.5	337	Faded
44769	522430	TSB	EU	20100102	54.0	-47.7	55	Failed
62514	76816	MSB	EU	20100121	50.9	-7.6	339	Faded
62515	549840	MSB	EU	20100127	41.4	-14.3	306	Failed
63666	76819	MSB	EU	20100123	76.0	21.4	565	Faded
64517	34250	MSB	EU	20100127	68.4	-11.4	602	Faded
64606	654800	MSB	EU	20100110	50.0	-49.1	405	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
13973	271780	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	27.91	-23.73	255
41715	83400	TSB	UP	749	-	-	-	-	X	-	-	-	-	-	-	L	0101-3101	46.18	-20.79	379
44624	346690	MSB	EU	743	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	41.74	-11.87	363
44627	344690	MSB	EU	741	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	32.85	-24.12	365
44838	83432	TSB	UP	750	-	-	-	-	X	-	-	X	-	-	-	L	0101-3101	49.63	-34.26	349
63640	96842	MSB	EU	732	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	76.83	10.89	136
63672	94731	MSB	EU	742	-	-	-	-	X	-	-	X	-	-	-	T	0101-3101	74.59	-2.06	221

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
13567	71024	AOML		742	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	30.87	-16.43
13568	71025	AOML		743	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	32.52	-28.29
13569	71026	AOML		739	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	35.84	-11.56
13570	71028	AOML		741	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	32.89	-10.57
13571	83484	AOML		740	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	31.48	-19.41

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13910	83482	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	35.31	-6.74	
31739	72580	LODY	778	-	-	X	X	X	-	-	X	-	-	-	X	T	0101-3101	7.05	-30.96
31858	69005	INPE	712	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	9.94	-56.06	
31861	68530	EUME	788	-	-	X	X	X	-	-	X	-	-	-	X	T	0101-3101	5.71	-46.03
41938	71027	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	30.37	-29.37	
41968	93013	AOML	653	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	28.12	-58.06	
41972	93014	AOML	670	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	29.11	-50.35	
41974	93015	AOML	657	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	22.50	-66.00	
41975	93016	AOML	663	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	27.96	-51.07	
41981	93017	AOML	656	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	28.40	-55.00	
44641	MSC		387	-	-	X	X	X	-	-	X	-	-	-	O	1501-3101	44.70	-66.75	
44884	79224	AOML	756	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	36.14	-64.18	
44885	79228	AOML	750	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	36.01	-48.26	
44890	79234	AOML	757	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	33.88	-53.35	
44910	71044	AOML	746	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	33.50	-28.34	
48593	MSC		713	-	-	X	X	X	-	-	-	-	-	-	O	0101-3001	65.08	-63.44	
48594	MSC		737	-	-	X	X	X	-	-	-	-	-	-	O	0101-3101	67.13	-60.48	
61503	82534	CLS	653	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	42.26	28.92	
61504	82537	CLS	681	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	45.98	30.75	
61688	82233	CLS	541	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	36.67	11.86	
62505	49678	EUME	745	-	-	X	X	X	-	-	X	-	-	-	T	0101-3101	44.51	-6.25	
62901	83478	AOML	737	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	28.78	-14.23	
62902	83479	AOML	739	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	32.90	-10.98	
62908	83480	AOML	742	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	37.19	-18.90	
62929	83327	AOML	748	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	20.24	-44.00	
62937	75299	AOML	739	-	-	X	-	X	-	-	X	-	-	-	L	0101-3101	61.81	-4.34	
62938	83483	AOML	721	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	37.05	-15.01	
62939	83481	AOML	744	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	38.46	-23.53	
62941	83476	AOML	741	-	-	X	X	X	-	-	X	-	-	-	L	0101-3101	36.07	-11.42	
63529	26914	?????	2656	-	-	X	-	X	-	-	-	-	-	-	T	0101-3101	79.92	17.38	
63573	78691	AOML	763	-	-	X	X	X	-	-	-	-	-	-	L	0101-3101	78.08	3.94	

MOORED BUOYS

Operating EGOS moored buoys (K-pattern) + Italia-1

WMO	Name	nobs	Wi	AT	AP	dP	ST	Wa	Ws	Dr	Sb	U	SS	O	Start_end	Lat	Lon
61001	Cote d'Azur	743	X	X	X	X	X	X	X	-	-	X	-	O	0101-3101	43.40	7.80
61002	Lion	744	X	-	-	X	-	O	0101-3101	42.10	4.70						
61010	Italia-1	218	X	X	X	-	X	-	-	-	-	X	-	O	0101-3101	43.80	9.10
62001	Gascogne	736	X	X	X	X	X	X	X	-	-	X	-	O	0101-3101	45.30	-5.00
62029	K1	743	X	X	X	X	X	-	-	-	-	X	-	O	0101-3101	48.70	-12.50
62052	Ushant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.50	-5.80
62081	K2	746	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	51.00	-13.20
62090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
62091	M2	745	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	53.50	-5.40
62092	M3	781	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	51.20	-10.50
62093	M4	742	S	X	X	X	X	X	X	-	-	X	-	O	0101-3101	54.70	-9.10
62094	M5	718	-	X	X	X	X	X	-	-	-	X	-	O	0101-3101	51.70	-6.70
62095	M6	744	X	-	-	X	-	O	0101-3101	53.10	-15.90						
62105	K4	743	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	55.80	-11.40
62108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
62163	Brittany	744	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	47.50	-8.40
64045	K5	746	S	X	X	X	X	X	X	-	-	X	-	O	0101-3101	59.10	-11.70
64046	K7	724	S	X	X	X	X	X	X	-	-	-	-	O	0101-3101	60.70	-5.20

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	661	X	X	X	-	X	X	X	-	-	-	-	O	0101-3001	28.18	-15.82
13131	Tenerife Sur	662	X	X	X	-	X	X	X	-	-	-	-	O	0101-3001	28.00	-16.58
61196	C. Begur	687	X	X	X	-	-	X	X	-	-	-	-	O	0101-3001	41.92	3.65
61197	Mahon	79	-	-	-	-	-	-	-	-	-	-	-		0101-0401	39.72	4.42
61198	C. de Gata		-	-	-	-	-	-	-	-	-	-	-			36.57	-2.33
61280	Tarragona	685	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	40.77	1.47
61281	Valencia	685	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	39.47	-0.27
61417	C. de Palos	127	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	37.65	-0.32
61430	Dragonera	615	-	X	X	-	-	-	-	-	-	-	-	O	0101-3001	39.56	2.11
62024	Bilbao-Visc.	504	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	43.63	-3.03
62025	C. de Penas	337	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	43.73	-6.17
62082	E. de Barres	686	-	X	X	-	X	X	X	-	-	-	X	O	0101-3001	44.07	-7.62
62083	Villano-Sis.	686	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	43.48	-9.22
62084	C. Silleiro	684	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	42.12	-9.40
62085	G. de Cadiz	686	X	X	X	-	X	X	X	-	-	-	X	O	0101-3001	36.48	-6.97
	0 Santander		X	X	X	-	X	X	X	-	-	-	-	O		43.84	-3.77

Comments:

- The EUCOS buoy is presented in bold characters.
- The transmission of the network data suffered from one interruption on 30th-31th of January.

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	743	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	14.50	-53.00
41041	Mid. Atlantic	740	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	14.50	-46.00
41043	Porto Rico	744	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	21.00	-65.00
41046			-	-	-	-	-	-	-	-	-	-	-			23.90	-70.90
41047			-	-	-	-	-	-	-	-	-	-	-			27.50	-71.50
41048			-	-	-	-	-	-	-	-	-	-	-			32.00	-69.60
41100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-			15.90	-57.90
41101	E Martinique	690	X	X	X	X	X	X	-	-	-	X	-	O	0101-3101	14.60	-56.20
42059	Caribes		-	-	-	-	-	-	-	-	-	-	-			15.00	-67.50
44008	A Nantucket		-	-	-	-	-	-	-	-	-	-	-			40.50	-69.40
44011	D Georges Bk		-	-	-	-	-	-	-	-	-	-	-			41.10	-66.60
44018	SE Cape Cod	736	X	X	X	X	-	X	-	-	-	X	-	O	0101-3101	41.30	-69.30
44024	NNE Channel	729	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	42.30	-65.90
44137	E Scotia Sl.	732	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	42.30	-62.00
44138	SW Gd Banks	733	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	44.30	-53.60
44139	Beanquereau	732	X	-	X	X	X	X	-	-	-	-	-	O	0101-3101	44.30	-57.10
44140	Tail of Bk	725	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	43.80	-51.70
44141	Larentian F	733	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	43.00	-58.00
44150	La Have Bk	734	X	X	X	X	X	X	-	-	-	-	-	O	0101-3101	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

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, January 2010

Datend	WMO	Telcom	Recv	GE	Bias	Std
20100131	13972	349680	743	0	0.2	0.5
20100131	13975	59530	740	0	-0.3	0.4
20100131	13976	50540	743	0	0.6	0.4
20100131	25621	76826	740	0	0.4	0.7
20100131	25622	76825	740	0	0.8	0.7
20100131	25624	96849	740	0	-0.3	0.4
20100131	41557	83404	701	0	-0.1	0.6
20100131	41558	83394	727	0	0.1	0.6
20100131	41559	83390	709	0	-0.4	0.5
20100131	41571	83391	724	0	-0.1	0.4
20100131	41596	53610	743	0	0.6	0.5
20100131	41597	58610	742	0	0.4	0.6
20100131	41716	83401	702	0	-0.2	0.7
20100131	41717	83402	719	0	-0.1	0.5
20100131	41718	83403	704	0	-0.2	0.6
20100131	41719	83392	719	1	-0.3	0.5
20100131	41958	70824	690	0	0.2	0.6
20100131	41984	89825	742	0	0.1	0.7
20100131	41986	89828	744	0	-0.3	0.9
20100131	44546	55610	741	0	0.7	0.8
20100131	44547	650800	743	0	0.0	0.9
20100131	44548	540840	743	1	0.2	1.1
20100131	44549	343680	743	0	0.3	1.0
20100131	44550	549830	742	0	0.9	1.0
20100131	44606	547440	742	0	-0.8	0.7
20100131	44607	540850	743	0	0.6	0.9
20100131	44608	541830	743	0	0.1	0.8
20100131	44609	50620	743	0	0.2	0.9
20100131	44610	653800	743	0	0.3	0.8
20100131	44611	143100	743	0	0.6	0.8
20100131	44613	658800	743	0	0.5	1.0
20100131	44614	347690	742	0	0.1	0.8
20100131	44615	58600	743	9	-0.4	1.2
20100131	44616	346680	742	2	0.4	1.1
20100131	44617	54610	741	9	-0.9	0.8
20100131	44621	52610	743	0	-0.1	0.9
20100131	44622	349690	742	0	-0.2	0.7
20100131	44626	348690	742	1	0.5	0.8
20100129	44629	544440	684	37	-0.0	1.2
20100131	44636	79158	701	3	0.7	1.1
20100131	44637	79159	609	2	0.3	0.9
20100131	44643	87675	740	7	0.7	1.1
20100131	44645	87679	743	0	0.8	0.7
20100131	44721	659800	743	0	-0.7	0.9
20100119	44723	76817	399	2	-1.2	0.9
20100131	44746	540430	741	0	0.3	0.9
20100131	44765	76810	742	0	-0.3	0.8
20100131	44766	76811	741	0	0.1	0.8
20100102	44769	522430	32	0	0.6	0.5
20100131	44771	76812	744	1	0.1	0.8
20100131	44772	51620	741	0	-0.5	0.9
20100131	44776	345680	742	0	0.3	0.7
20100131	44777	340700	742	0	0.8	0.6
20100131	44780	543830	741	20	0.8	0.7
20100131	44835	89831	133	0	-0.2	0.6
20100131	44836	70829	702	1	0.1	0.7
20100131	44839	70831	682	0	-0.4	0.6
20100131	44840	70832	664	0	-0.0	1.1
20100131	44841	83433	694	0	0.2	1.0
20100131	44845	83395	732	0	-0.1	0.6
20100131	44849	83397	729	0	-0.2	0.8

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20100131	44878	83398	711	0	-0.0	0.6
20100131	44879	83399	702	1	-0.0	0.7
20100131	44882	83396	713	0	-0.3	0.5
20100131	44887	89829	276	0	-0.3	1.1
20100131	44889	89830	276	0	-0.2	0.7
20100131	44903	70822	696	1	0.1	0.5
20100131	44905	70818	699	0	0.1	0.8
20100131	44912	70819	696	0	-0.3	0.8
20100131	44915	70838	687	0	0.0	0.6
20100131	44918	63837	694	0	-0.2	0.5
20100131	44919	63838	693	0	-0.2	0.8
20100131	44920	63839	704	0	-0.1	0.6
20100131	44933	89826	741	0	0.3	0.8
20100131	44935	89824	743	2	-0.1	0.8
20100131	48665	73389	719	0	-0.2	0.5
20100131	62511	546830	743	0	0.1	0.5
20100131	62512	549820	742	0	-0.1	0.5
20100131	62513	76814	741	0	0.0	0.8
20100121	62514	76816	479	0	-1.2	1.2
20100127	62515	549840	636	0	0.3	0.8
20100129	62517	541840	684	57	-0.5	1.1
20100131	62518	341690	742	0	0.4	0.4
20100131	62519	342700	743	0	0.3	0.7
20100131	62520	650810	743	0	0.2	0.5
20100131	62562	542830	742	0	0.3	0.5
20100131	62694	657800	742	0	0.1	0.7
20100131	62695	651800	743	12	0.2	1.2
20100131	62905	70820	692	0	0.5	0.5
20100131	62910	83426	630	0	-0.2	0.8
20100131	62926	83427	629	0	0.0	1.3
20100131	63536	51610	742	2	0.0	0.5
20100131	63538	52640	743	0	0.4	0.6
20100131	63539	57540	743	0	0.3	0.5
20100131	63551	38250	742	57	-0.6	1.5
20100131	63554	59610	743	0	0.2	0.5
20100131	63638	96848	738	0	0.7	0.7
20100131	63641	96851	740	0	0.5	0.7
20100131	63643	656800	740	1	0.3	0.5
20100131	63644	655810	743	6	0.1	0.8
20100123	63666	76819	536	0	0.1	0.8
20100131	63669	36220	743	0	0.2	0.5
20100131	63670	36240	743	0	0.2	0.6
20100131	63671	38240	742	0	-0.1	0.6
20100127	64517	34250	662	0	0.6	0.9
20100131	64522	652810	741	0	0.4	0.7
20100131	64524	655800	743	0	0.5	0.6
20100110	64606	654800	485	0	-0.8	0.8

Air Pressure (hPa), moored buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20100130	13130		661	0	0.4	0.7
20100130	13131		662	0	0.1	0.8
20100131	61001		743	0	-0.3	0.6
20100131	61002		744	0	-0.5	0.7
20100131	61010		218	0	-1.4	0.7
20100130	61196		687	0	-0.2	0.8
20100104	61197		79	0	0.0	2.2
20100130	61280		685	0	-0.1	1.1
20100130	61281		685	0	-1.2	1.2
20100130	61417		127	0	-0.1	0.9
20100130	61430		615	0	0.1	1.0
20100131	62001		730	0	-0.4	1.6
20100130	62024		504	0	-0.1	0.7
20100130	62025		337	0	-0.1	0.7
20100131	62029		739	29	-0.1	0.6
20100131	62081		744	0	-0.2	0.7
20100130	62082		686	0	0.6	1.0
20100130	62083		686	0	0.1	0.8
20100130	62084		684	0	0.1	0.9
20100130	62085		686	0	0.2	0.9
20100131	62091		738	3	-0.3	1.2
20100131	62092		627	0	-0.2	0.8

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20100131	62093	719	0	-0.3	0.7
20100131	62094	704	0	-0.0	0.5
20100131	62095	736	0	-0.2	0.9
20100131	62105	743	0	-0.2	0.8
20100131	62163	744	1	-0.0	0.6
20100131	64045	743	0	-0.1	0.8
20100131	64046	690	0	0.1	0.5

Air Temperature (C), drifting buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20100131	48665	73389	719	0	-1.8	5.6

Air Temperature (C), moored buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20100130	13130		651	0	-0.1	0.5
20100130	13131		660	0	-0.8	0.6
20100131	61001		743	0	-0.2	0.9
20100131	61002		744	0	-0.5	1.0
20100131	61010		218	0	-0.9	1.5
20100130	61196		687	0	1.2	1.0
20100104	61197		78	0	-2.3	2.7
20100130	61280		684	0	0.7	0.7
20100130	61281		683	0	-0.3	0.9
20100130	61417		112	0	0.5	0.6
20100130	61430		611	0	0.1	0.6
20100131	62001		736	0	-0.1	0.6
20100130	62024		501	0	0.8	0.9
20100130	62025		328	0	-0.4	1.2
20100131	62029		731	0	-0.4	0.5
20100131	62081		744	0	-0.5	0.6
20100130	62082		685	0	-0.0	0.8
20100130	62083		685	0	-0.1	0.7
20100130	62084		684	0	0.2	0.7
20100130	62085		685	0	-0.4	0.7
20100131	62091		722	0	0.4	0.7
20100131	62092		626	0	0.4	0.6
20100131	62093		738	0	-0.5	0.7
20100131	62094		718	0	0.0	0.7
20100131	62095		743	0	-0.4	0.6
20100131	62105		743	0	-0.5	0.7
20100131	62163		744	0	-0.3	0.6
20100131	64045		743	0	-0.3	0.6
20100131	64046		661	0	-0.4	0.7

Wind direction (deg.), drifting buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20100131	44636	79158	648	2	-0	17
20100131	44637	79159	528	7	5	17

Wind direction (deg.), moored buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20100130	13130		653	48	5	31
20100130	13131		662	59	-7	37
20100131	61001		401	68	4	38
20100104	61002		82	7	26	48
20100131	61010		217	27	90	36
20100130	61196		681	28	1	31
20100104	61197		79	12	-8	35
20100130	61280		678	28	4	29
20100130	61281		679	56	-7	33
20100130	61417		105	25	25	47
20100130	61430		104	1	5	14
20100131	62001		736	9	0	21

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20100130	62024	494	7	0	26
20100130	62025	324	44	-10	39
20100131	62029	714	2	-0	16
20100129	62082	652	11	8	24
20100130	62083	679	4	7	18
20100130	62084	683	23	13	20
20100130	62085	683	14	2	27
20100131	62091	739	24	-10	21
20100131	62092	737	7	6	23
20100119	62093	421	14	-12	41
20100131	62095	730	0	3	13
20100131	62105	742	0	1	16
20100131	62163	743	5	3	16
20100115	64045	346	0	-1	19
20100128	64046	626	5	4	18

Wind speed rate, drifting buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20100131	44636	79158	648	3	1.3	2.3
20100131	44637	79159	528	9	1.5	2.8

Wind speed rate, moored buoys, January 2010

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20100130	13130		653	0	1.3	1.6
20100130	13131		662	0	1.3	1.8
20100131	61001		401	1	1.8	2.9
20100104	61002		82	17	2.6	5.9
20100131	61010		217	16	1.1	3.0
20100130	61196		681	0	1.6	2.1
20100104	61197		79	0	0.6	6.4
20100130	61280		678	0	1.0	2.6
20100130	61281		679	0	1.2	3.0
20100130	61417		105	0	1.3	2.5
20100130	61430		104	1	1.0	1.4
20100131	62001		736	0	1.1	1.9
20100130	62024		494	0	1.2	1.9
20100130	62025		324	5	1.1	3.7
20100131	62029		714	0	1.0	1.4
20100129	62082		652	0	0.9	4.5
20100130	62083		679	0	1.0	1.8
20100130	62084		683	0	1.1	1.6
20100130	62085		683	2	1.2	2.2
20100131	62091		721	0	1.3	1.9
20100131	62092		737	0	1.1	1.9
20100119	62093		421	39	0.7	2.0
20100131	62095		730	0	1.0	1.3
20100131	62105		742	2	1.1	1.6
20100131	62163		743	0	1.1	1.5
20100115	64045		346	2	0.9	4.9
20100128	64046		625	10	0.8	4.8

Comments on QC statistics :

Air pressure

- Two Iridium SVP-B drifters (WMO **44629** and **62517**) and two Metoceane Argos SVP-B drifters (WMO **44723** and **62514**) reported a few wrong or biased air pressure values at the end of their lives.
- Iridium SVP-B drifters WMO **44780**, and **62695** reported a few wrong pressure values during the month of January for unknown reason.
- Iridium SVP-B drifter WMO **63551** reported a few wrong pressure values during the month of January probably due to ice recovering its air intake (barometer port).

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4. Air pressure values reported by moored buoy Italia-1 (WMO **61010**) presented a systematic bias of about 1.4 hPa in January (comparisons carried out with French and UK model outputs).
5. Moored buoy K1 (WMO **62029**) is reporting abnormal pressure values (910.2 hPa) from time to time (37 occurrences in January).
6. Spanish moored buoy WMO **61281** presented a systematic bias of about 1.2 hPa in January.
7. Moored buoy M6 (WMO **62095**) reported a few wrong air pressure values onto the GTS in December for an unknown reason.

Air temperature

8. Air temperature reported by Iceb buoy Argos 73389 (WMO **48665**) still present some differences with the French model outputs but this is probably due to the model which does not reproduce the truth with sufficient accuracy.
9. Air temperature values reported by Spanish moored buoy WMO **61197** presented a systematic bias of about 2.3 °C during the first four days of January .

Wind

10. Lion moored buoy (WMO **61002**) had been reporting fixed wind directions equal to 360 since the 4th of January 2010.
11. Wind directions reported by moored buoy Italia-1 (WMO **61010**) still present a systematic bias of about 90 degrees. It seems the buoy also reported wrong wind speed onto the GTS at a few occasions.
12. Many gross errors appear on wind directions reported by moored buoys located in the Mediterranean Sea (WMO **61xxx**) or in coastal areas. This is due to the use of global models for comparisons indeed. These are not sufficiently accurate in those areas.
13. Spanish moored buoy WMO **61197** reported wrong wind values onto the GTS before the transmission stopped on January 4th.
14. Moored buoy M5 (WMO **62093**) reported wrong wind values onto the GTS before the transmission stopped on January 19th.

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.