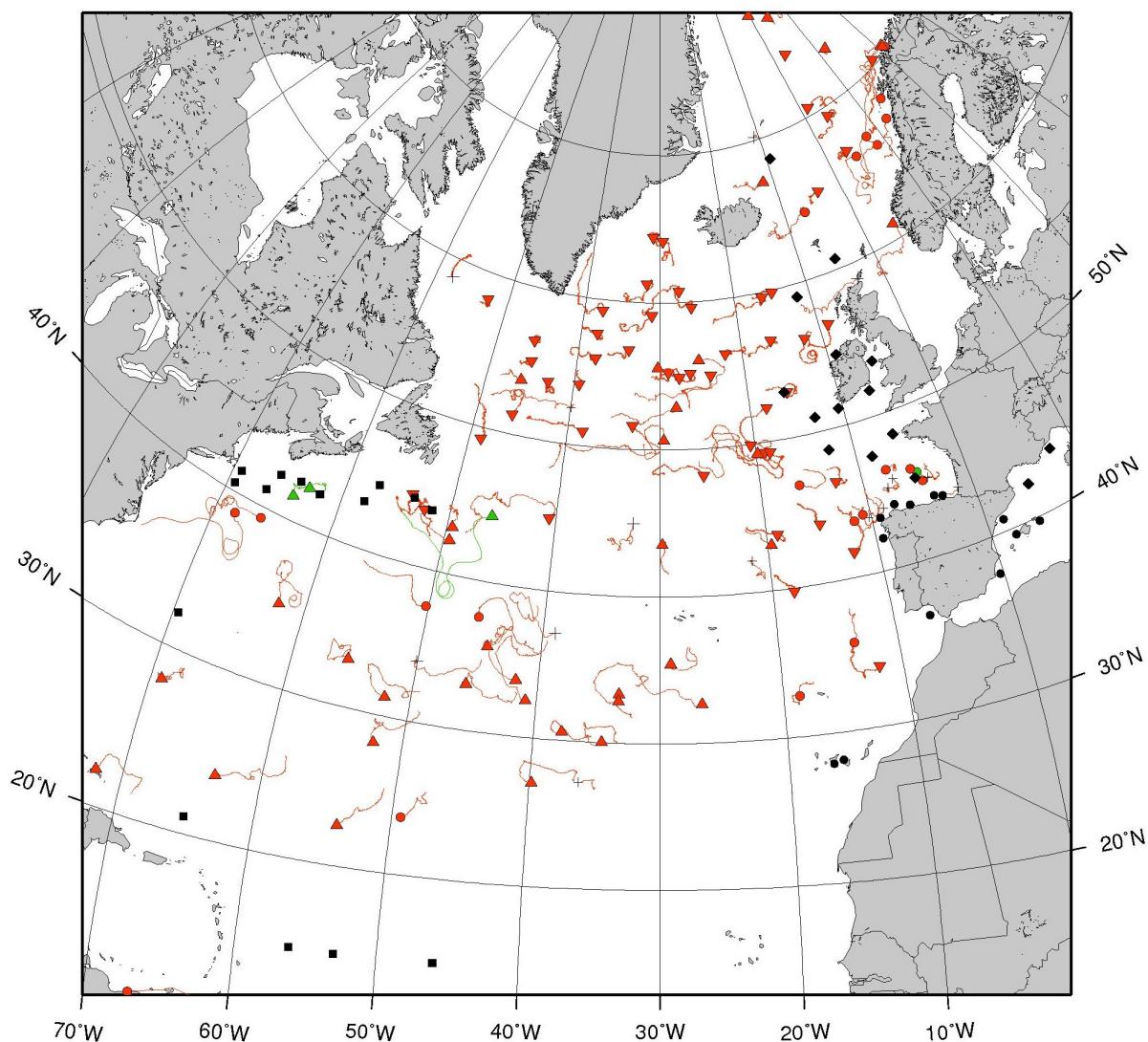




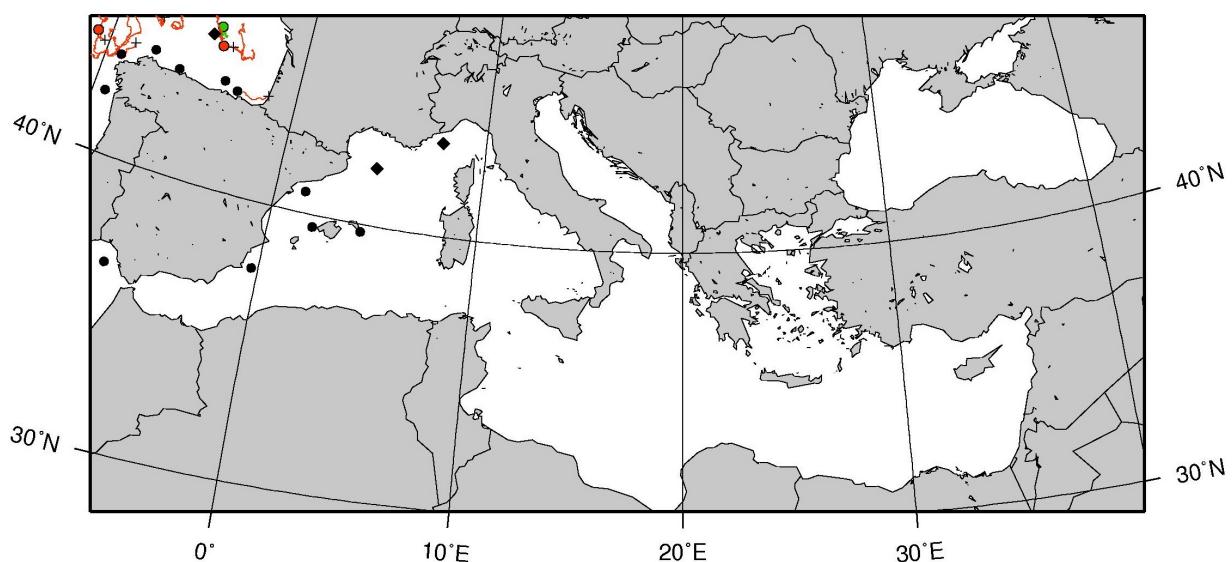
DATA BUOY MONTHLY REPORT

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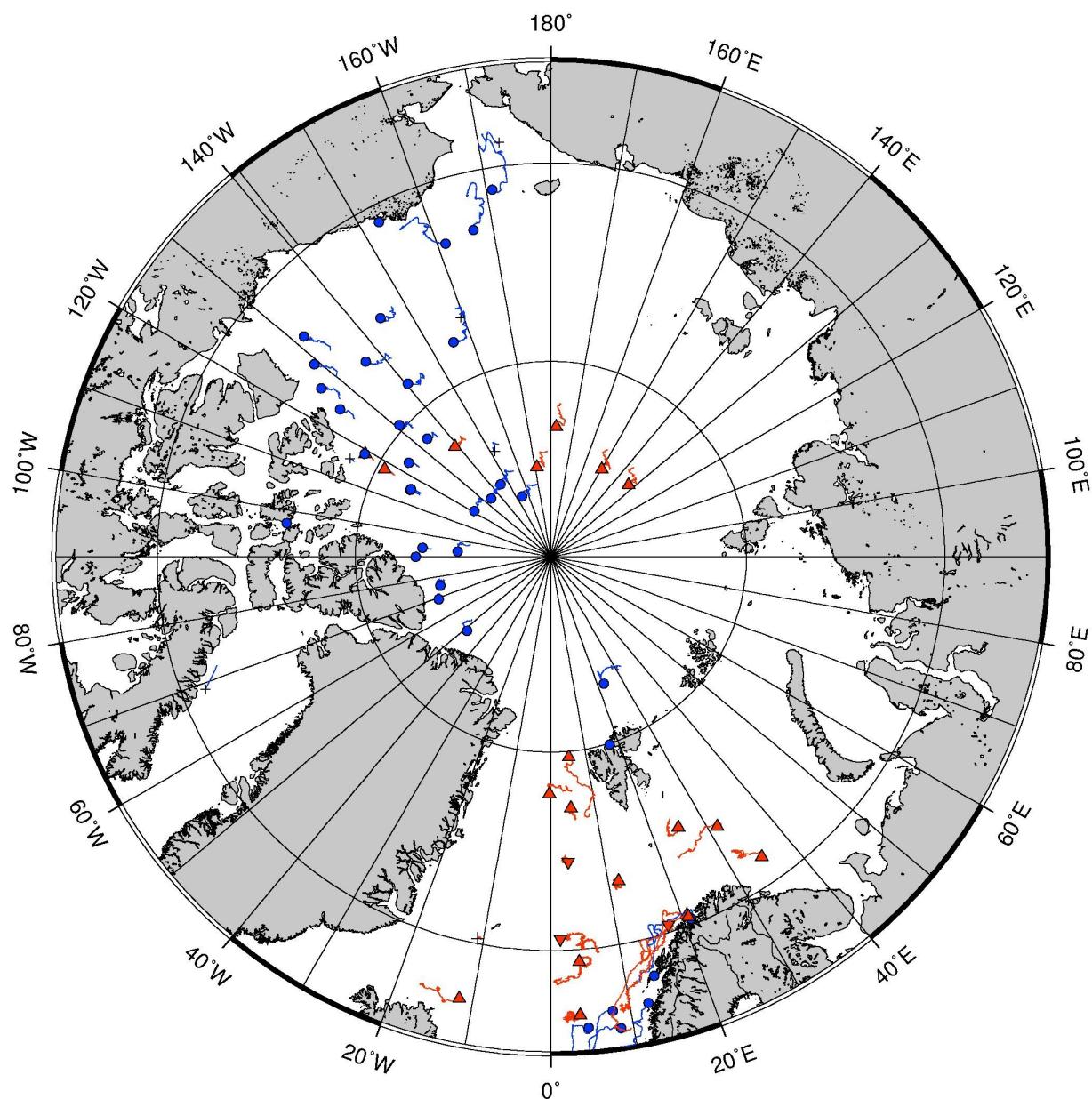
December 2008 - Operating data buoys in the North Atlantic
Drifting buoy trajectories and moored buoy positions

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

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December 2008 - Drifting buoy trajectories in IPY

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DRIFTING BUOYS

Network status

By the end of December **90 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. 19 were Argos SVP-Bs;
2. 50 were Iridium SVP-Bs.

The remaining ones were 17 buoys owned by NOAA and upgraded with barometers by E-SURFMAR and four 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 still operating one Iridium SVP-B drifters made by Marlin-Yug and deployed by the end of October 2008.
3. Météo-France was operating a few salinity drifters (SVP-BS) and one drifter measuring sea temperatures in depth (SVP-BTC);

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
44622	349690	MSB	EU	20081230	47.0	-46.9	Fos	Iridium
44638	79157	MSW	CA	20081215	42.2	-62.0	Halifax	
44639	83654	MSW	CA	20081214	42.3	-63.3	Halifax	
44775	345690	MSB	EU	20081207	56.5	-36.3	Reykjavik	Iridium
44776	345680	MSB	EU	20081207	55.0	-39.8	Reykjavik	Iridium
44777	340700	MSB	EU	20081208	53.5	-43.0	Reykjavik	Iridium
44778	347670	MSB	EU	20081229	47.2	-38.6	Fos	Iridium
44779	342680	MSB	EU	20081229	47.1	-40.9	Fos	Iridium
44780	543830	MSB	EU	20081230	46.8	-49.8	Fos	Iridium
62562	542830	MSB	EU	20081227	44.7	-24.0	Fos	Iridium
64606	56610	MSB	EU	20081202	62.5	-28.1	Halifax	Iridium
544840	MSB	EU		20081229	47.1	-43.9	Fos	Failed at deployment

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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	738	-	-	X	X	-	-	-	-	-	-	-	T	0112-3112	79.13	-118.97	881
25619	76821	MSB	EU	741	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	85.35	-170.89	97
25620	76823	MSB	EU	739	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	83.34	177.84	96
25621	76826	MSB	EU	740	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	84.81	149.79	94
25622	76825	MSB	EU	741	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	84.59	132.83	90
48662	76824	MSB	EU	739	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	82.53	-138.90	124
48665	73389	MIB	EU	750	-	X	X	X	-	-	-	-	-	-	-	T	0112-3112	80.39	-117.79	486

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
41958	70824	TSB	UP	736	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.75	-44.52	620
44612	512480	MSY	FR	761	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	64.40	-31.20	292
44615	68040	MSB	EU	725	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	55.55	-30.29	292
44620	628430	MSB	FR	763	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	59.10	-31.10	292
44621	34240	MSB	EU	771	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	44.80	-40.40	256
44623	721380	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	49.10	-19.00	257
44625	337190	MSB	EU	743	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	52.29	-18.18	226
44629	726380	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	55.20	-28.80	372
44630	68046	MSB	EU	732	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	33.35	-33.36	354
44638	79157	MSW	CA	403	X	-	X	X	X	-	-	X	-	-	-	L	1512-3112	42.34	-63.08	17
44639	83654	MSW	CA	428	X	-	X	X	X	-	-	X	-	-	-	L	1412-3112	41.46	-64.21	18
44721	68041	MSB	EU	730	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.08	-19.64	353
44724	35240	MSB	EU	771	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	58.10	-52.50	347
44725	729390	MSB	EU	767	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	49.90	-19.90	343
44726	32240	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	52.90	-15.60	294
44727	31240	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	55.10	-26.40	299
44728	728380	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	44.30	-53.80	299
44729	728390	MSB	EU	767	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.70	-18.90	299
44741	729380	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	49.10	-18.50	263
44742	30230	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	41.50	-12.20	263
44743	76815	MSB	EU	731	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.55	-29.81	256
44753	83653	MSW	CA	775	X	-	X	X	X	-	-	X	-	-	-	L	0112-3112	44.37	-46.04	138
44754	83655	MSW	CA	712	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	42.18	-49.47	140
44760	330200	MSB	EU	771	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.00	-37.80	218
44761	722390	MSB	EU	747	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	51.00	-38.40	215
44762	720400	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.70	-52.40	214
44763	76822	MSB	EU	734	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	49.31	-19.84	215
44764	76813	MSB	EU	731	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	50.64	-29.60	115
44765	76810	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	43.07	-49.49	115
44766	76811	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	53.70	-46.07	115
44767	149090	MSB	EU	753	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	60.80	-27.40	108
44768	348680	MSB	EU	768	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	51.30	-46.00	106
44770	541850	MSB	EU	768	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	51.50	-33.10	106
44771	76812	MSB	EU	731	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	52.88	-28.21	115
44772	57610	MSB	EU	760	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	49.30	-48.80	33
44773	545300	MSB	EU	760	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	57.50	-37.70	32
44774	56610	MSB	EU	760	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	55.10	-45.40	32
44775	345690	MSB	EU	588	-	-	X	X	X	-	-	X	-	-	-	T	0812-3112	56.70	-33.80	25
44776	345680	MSB	EU	588	-	-	X	X	X	-	-	X	-	-	-	T	0812-3112	54.10	-39.30	25
44777	340700	MSB	EU	580	-	-	X	X	X	-	-	X	-	-	-	T	0812-3112	53.99	-43.02	24
44833	70845	TSB	UP	757	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	56.01	-25.35	565
44836	70829	TSB	UP	737	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	32.67	-26.62	589
44839	70831	TSB	UP	730	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	31.24	-52.08	587
44840	70832	TSB	UP	727	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	33.08	-45.81	586
44850	55318	TSB	UP	714	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	34.95	-62.20	1257
44903	70822	TSB	UP	716	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	32.84	-33.37	561
44905	70818	TSB	UP	726	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	22.57	-53.91	558
44912	70819	TSB	UP	715	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.42	-29.13	558
44914	63846	TSB	UP	702	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	33.78	-41.85	959
44915	70838	TSB	UP	728	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	30.05	-34.63	439
44918	63837	TSB	UP	726	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	32.48	-40.89	909
44919	63838	TSB	UP	719	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	28.21	-52.26	908
44920	63839	TSB	UP	721	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	30.59	-37.78	907
44922	63860	TSB	UP	724	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	23.82	-63.43	838
44926	70847	TSB	UP	765	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	61.01	4.09	429
62521	33240	MSB	EU	767	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	48.20	-25.70	257

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62522	39250	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	46.40	-12.40	229
62551	334200	MSB	EU	767	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	59.80	-14.90	228
62552	333200	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.50	-16.20	228
62553	30250	MSB	EU	767	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	44.00	-14.90	194
62554	332200	MSB	EU	745	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.30	-22.05	193
62555	335200	MSB	EU	747	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.50	-8.90	190
62556	42790	TSB	FR	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	28.09	-69.15	1724
62557	411650	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	55.00	-24.00	187
62558	338190	MSB	EU	772	-	-	X	X	S	-	-	X	-	-	-	T	0112-3112	59.50	-16.20	189
62559	336200	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	59.50	-25.80	179
62560	331200	MSB	EU	771	-	-	X	X	S	-	-	X	-	-	-	T	0112-3112	54.90	-27.60	179
62561	352500	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.10	-12.40	177
62712	723380	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	39.80	-18.10	301
62713	722380	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	33.90	-12.00	300
62714	725390	MSB	EU	753	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	61.30	-31.80	264
62905	70820	TSB	UP	722	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	27.02	-39.85	563
63536	68044	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	70.54	20.75	398
63537	68045	MSB	EU	738	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	79.69	5.04	356
63661	76808	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	73.87	31.67	177
63662	76820	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	77.89	-0.35	177
63663	76807	MSB	EU	739	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	71.36	35.09	177
63664	76809	MSB	EU	744	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	73.13	11.74	177
63665	76818	MSB	EU	740	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	77.13	4.53	177
63666	76819	MSB	EU	735	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	74.73	25.18	177
63667	909520	MSB	EU	769	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	69.40	4.10	146
63668	36250	MSB	EU	745	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	66.90	3.70	87
64516	339190	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	56.40	-45.40	217
64517	34250	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	74.40	3.20	210
64518	31250	MSB	EU	768	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	70.20	18.00	210
64519	336190	MSB	EU	768	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	65.20	-3.60	210
64520	124260	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	70.50	1.90	209
64606	654800	MSB	EU	737	-	-	X	X	X	-	-	X	-	-	-	T	0212-3112	64.10	-29.40	30
64622	724380	MSB	EU	770	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	59.20	-37.50	347
65581	42490	MSB	EU	736	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	70.42	20.84	809

Drifting buoys which ceased to be operational

WMO	Telcom	Typ	Ow	End_Date	Lat	Lon	Age	Cause
44847	55315	TSB	UP	20081229	32.2	-76.5	1350	Faded
44848	55316	TSB	UP	20081225	33.9	-50.0	1345	Faded
44901	55321	TSB	UP	20081211	37.2	-39.0	1256	Faded
62510	52189	TSB	FR	20081227	33.0	-55.6	1509	Faded
62697	32250	MSB	EU	20081223	58.7	-58.0	367	AP failed or ice caught
62711	68042	MSB	EU	20081217	45.0	-32.6	340	AP failed
62901	63858	TSB	UP	20081227	22.0	-72.0	833	Ashore in Turks and Caicos Is.
63631	68026	MSB	EU	20081229	67.2	-11.8	585	Faded
63633	68031	MSB	EU	20081210	70.2	-10.9	489	Faded
64521	68033	MSB	EU	20081222	58.9	-3.4	328	Ashore in Scotland

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
62695	68035	MSB	EU	947	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	42.85	-14.43	440
62697	32250	MSB	EU	764	-	-	S	S	X	-	-	X	-	-	-	T	0112-3112	58.74	-57.96	375
62711	68042	MSB	EU	735	-	-	S	S	X	-	-	X	-	-	-	T	0112-3112	44.98	-32.57	354
63634	68029	MSB	EU	739	-	-	-	-	X	-	-	X	-	-	-	T	0112-3112	71.92	1.30	488

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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		747	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	9.16	-32.88	
31858	69005	INPE		725	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	10.60	-66.95	
31859	72577	CMM		772	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	12.52	-38.70	
31860	72579	CMM		773	-	-	X	X	X	-	-	X	-	-	-	X	0112-3112	9.98	-27.69	
41688	63912	AOML		727	-	-	X	X	X	-	-	-	-	-	-	L	0112-3112	23.75	-49.35	
41699	79334	AOML		751	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	37.62	-50.25	
41700	79335	AOML		747	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	37.61	-45.62	
41936	70318	AOML		1841	X	-	X	-	X	-	-	X	-	-	-	L	2012-3112	38.85	-68.30	
44910	71044	AOML		533	-	-	X	X	X	-	-	X	-	-	-	L	0312-3112	39.33	-66.11	
62502	49682	CMM		777	-	-	X	X	X	-	-	X	-	-	-	T	0112-3112	32.78	-18.70	
62505	49678	CMM		733	-	-	X	X	-	-	-	X	-	-	-	T	0112-3112	46.79	-16.14	
62507	30316	CMM		716	X	-	X	X	X	-	-	X	-	-	-	T	0112-3112	45.64	-4.69	
62508	72578	LODY		779	-	-	X	X	X	-	-	X	-	-	-	X	T	0112-3112	45.01	-4.36
62903	78770	AOML		588	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	45.96	-5.21	
62909	78771	AOML		591	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	46.41	-7.50	
62929	83327	AOML		744	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	35.81	-13.66	
62930	78773	AOML		623	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	43.96	-10.74	
62933	78769	AOML		591	-	-	X	-	X	-	-	X	-	-	-	L	0112-3112	43.68	-11.65	
63529	26914	CMR		2014	-	-	X	-	X	-	-	-	-	-	-	T	0112-3112	79.93	17.39	
63571	78692	AOML		717	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	66.81	7.79	
63572	78693	AOML		722	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	66.88	12.35	
63573	78691	AOML		716	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	66.10	4.58	
63574	78690	AOML		726	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	65.91	8.49	
63659	78705	AOML		684	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	64.33	-6.86	
63941	78706	AOML		712	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	70.29	21.16	
63991	78694	AOML		683	-	-	X	X	X	-	-	X	-	-	-	L	0112-3112	68.12	13.82	

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	738	X	X	X	X	X	X	X	-	-	S	-	O	0112-3112	43.40	7.80
61002	Lion	708	S	X	X	X	X	X	X	-	-	X	-	O	0112-3112	42.10	4.70
62001	Gascogne	720	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	45.30	-5.00
62029	K1	739	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	48.70	-12.50
62052	Ushant	738	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	48.50	-5.80
62081	K2	726	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	51.00	-13.20
62090	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.10	-11.20
62091	M2	680	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	53.50	-5.40
62092	M3	739	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	51.20	-10.50
62093	M4	740	-	X	X	X	X	X	X	-	-	X	-	O	0112-3112	54.70	-9.10
62094	M5	724	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	51.70	-6.70
62095	M6	735	X	-	-	X	-	O	0112-3112	53.10	-15.90						
62105	K4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.80	-11.40
62108	K3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50	-19.50
62163	Brittany	698	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	47.50	-8.40
64045	K5	744	X	-	-	X	-	O	0112-3112	59.10	-11.70						
64046	K7	748	X	X	X	X	X	X	X	-	-	X	-	O	0112-3112	60.70	-5.20
64071	N-Iceland	619	X	X	-	-	X	X	X	-	-	X	-	O	0112-3112	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		X	X	X	-	-	X	X	-	-	-	-	O		39.72	4.42
61198	C. de Gata		-	-	-	-	-	-	-	-	-	-	-	-		36.57	-2.33
61280	Tarragona		X	X	X	-	X	X	X	-	-	-	-	X	O	40.77	1.47
61281	Valencia		-	-	-	-	-	-	-	-	-	-	-	-		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.		X	X	X	-	X	X	X	-	-	-	-	X	O	43.63	-3.03
62025	C. de Penas		X	X	X	-	X	X	X	-	-	-	-	X	O	43.73	-6.17
62082	E. de Bares		X	X	X	-	X	X	X	-	-	-	-	X	O	44.07	-7.62
62083	Villano-Sis.		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	-	-	-	-	-	-	-	-	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 January 10th, 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	740	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.50	-53.00
41041	Mid. Atlantic	741	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.50	-46.00
41043	Porto Rico	743	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	21.00	-65.00
41046			-	-	-	-	-	-	-	-	-	-	-	-		23.90	-70.90
41047			-	-	-	-	-	-	-	-	-	-	-	-		27.50	-71.50
41048		732	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	32.00	-69.60
41100	E Guadeloupe		-	-	-	-	-	-	-	-	-	-	-	-	0112-3112	15.90	-57.90
41101	E Martinique	738	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	14.60	-56.20
42059	Caraibes	83	S	S	S	S	S	S	-	-	-	S	-	-	0112-0412	15.00	-67.50
44008	A Nantucket	745	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	40.50	-69.40
44011	D Georges Bk	744	X	X	X	X	X	X	-	-	-	X	-	O	0112-3112	41.10	-66.60
44018	SE Cape Cod	738	X	X	X	X	-	X	-	-	-	-	-	O	0112-3112	41.30	-69.30
44024	NNE Channel	716	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	42.30	-65.90
44137	E Scotia Sl.	709	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	42.30	-62.00
44138	SW Gd Banks	716	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	44.30	-53.60
44139	Beanquereau	713	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	44.30	-57.10
44140	Tail of Bk	688	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	43.80	-51.70
44141	Larentian F	718	X	X	X	X	X	X	-	-	-	-	-	O	0112-3112	43.00	-58.00
44150	La Have Bk	403	X	X	X	X	X	X	-	-	-	-	-	O	1412-3112	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'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

Air Pressure (hPa), drifting buoys, December 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20081229	25534	66739	603	23	0.2	1.0
20081229	25619	76821	693	0	-0.5	1.0
20081229	25620	76823	691	0	-0.5	1.2
20081229	25621	76826	691	0	0.3	1.0
20081229	25622	76825	693	0	0.2	1.0
20081229	41958	70824	666	1	0.3	0.8
20081229	44612	512480	690	0	-0.4	1.8
20081229	44615	68040	677	2	-0.3	1.7
20081229	44620	628430	696	3	-0.2	1.9
20081229	44621	34240	696	25	0.1	1.9
20081229	44623	721380	696	0	0.4	1.2
20081229	44625	337190	695	0	0.7	1.2
20081229	44629	726380	696	2	-0.6	1.7
20081229	44638	79157	328	2	0.8	1.9
20081229	44639	83654	340	1	1.0	1.7
20081229	44721	68041	682	0	-0.6	0.9
20081229	44724	35240	696	3	-0.6	2.2
20081229	44725	729390	695	0	-0.1	1.2
20081229	44726	32240	696	0	0.5	1.2
20081229	44727	31240	696	1	-0.6	1.6
20081229	44728	728380	696	1	0.0	1.6
20081229	44729	728390	696	0	0.4	0.8
20081229	44741	729380	696	0	0.1	1.1
20081229	44742	30230	695	0	-0.1	0.9
20081229	44743	76815	683	0	0.1	0.9
20081229	44753	83653	657	3	0.7	1.4
20081229	44754	83655	619	1	0.7	1.5
20081229	44760	330200	696	0	0.5	2.0
20081229	44761	722390	696	4	-0.2	1.9
20081229	44762	720400	696	1	0.7	1.7
20081229	44763	76822	685	0	0.0	1.1
20081229	44764	76813	683	0	-0.4	1.6
20081229	44765	76810	692	1	0.2	1.7
20081229	44766	76811	689	1	0.3	2.0
20081229	44767	149090	695	2	0.1	1.9
20081229	44768	348680	695	1	0.0	1.9
20081229	44770	541850	696	11	0.3	2.0
20081229	44771	76812	683	1	0.1	1.5
20081229	44772	57610	686	3	0.4	1.9
20081229	44773	545300	686	5	-0.2	1.9
20081229	44774	56610	686	2	-1.1	1.9
20081229	44775	345690	518	4	0.4	2.1
20081229	44776	345680	519	1	-0.1	2.0
20081229	44777	340700	514	2	0.3	2.0
20081229	44833	70845	669	0	-0.3	1.5
20081229	44836	70829	664	0	0.0	0.6
20081229	44839	70831	658	0	-0.2	0.7
20081229	44840	70832	640	0	0.1	0.9
20081229	44847	55315	651	0	0.4	0.9
20081222	44848	55316	424	0	0.4	0.6
20081229	44850	55318	654	0	0.2	1.2
20081211	44901	55321	244	3	-0.1	2.7
20081229	44903	70822	643	0	0.1	0.6
20081229	44905	70818	659	2	0.2	0.8
20081229	44912	70819	647	0	-0.4	0.7
20081229	44914	63846	634	0	-0.2	0.7
20081229	44915	70838	667	0	0.2	0.6
20081229	44918	63837	652	3	-0.2	0.7
20081229	44919	63838	654	0	0.0	0.6
20081229	44920	63839	654	0	-0.1	0.6
20081229	44922	63860	662	0	0.1	0.8

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20081229	44926	70847	669	0	0.3	1.3
20081229	48662	76824	691	0	0.0	0.9
20081229	48665	73389	659	0	-0.2	0.9
20081227	62510	52189	638	0	0.2	0.9
20081229	62521	33240	695	0	0.6	1.3
20081229	62522	39250	694	0	0.7	1.1
20081229	62551	334200	696	1	0.4	1.8
20081229	62552	333200	696	1	0.4	1.5
20081229	62553	30250	695	0	0.6	1.0
20081229	62554	332200	696	1	0.2	1.7
20081229	62555	335200	696	1	-1.3	1.6
20081229	62556	42790	691	0	0.2	0.8
20081229	62557	411650	696	1	1.0	1.5
20081229	62558	338190	696	1	0.4	2.0
20081229	62559	336200	696	6	-0.4	2.0
20081229	62560	331200	696	1	0.2	1.7
20081229	62561	35250	696	0	0.0	1.3
20081223	62697	32250	540	58	0.1	1.8
20081229	62712	723380	695	0	0.7	0.7
20081229	62713	722380	696	0	0.0	0.6
20081229	62714	725390	695	0	0.4	2.1
20081227	62901	63858	594	0	0.0	0.9
20081229	62905	70820	657	0	0.4	0.6
20081229	63536	68044	691	0	0.3	1.0
20081229	63537	68045	690	4	0.2	1.6
20081229	63631	68026	689	0	-0.1	1.5
20081210	63633	68031	197	0	-0.6	1.4
20081229	63661	76808	692	0	0.4	1.1
20081229	63662	76820	691	34	0.3	2.3
20081229	63663	76807	691	0	0.2	1.0
20081229	63664	76809	695	0	0.1	1.1
20081229	63665	76818	691	20	0.2	1.6
20081229	63666	76819	687	0	0.3	1.1
20081229	63667	909520	696	0	0.3	1.4
20081229	63668	36250	694	1	0.3	1.5
20081229	64516	339190	696	3	0.4	1.9
20081229	64517	34250	696	0	0.5	1.6
20081229	64518	31250	696	0	1.0	1.1
20081229	64519	336190	695	0	0.8	1.6
20081229	64520	124260	696	0	0.6	1.3
20081217	64521	68033	394	51	-0.5	2.3
20081229	64606	56610	662	1	-0.7	1.8
20081229	64622	724380	695	3	-0.3	1.9
20081229	65581	42490	687	1	-0.5	1.2

Air Pressure (hPa), moored buoys, December 2008

Datend	WMO	Telcom	Recv	GE	Bias	Std
20081229	61001		690	0	-0.5	0.9
20081229	61002		654	0	-0.6	1.0
20081229	62001		672	0	-0.3	1.0
20081229	62029		691	29	-0.2	1.0
20081229	62052		690	0	0.2	1.0
20081229	62081		678	0	-0.3	1.1
20081229	62091		631	0	-0.4	1.0
20081229	62092		687	0	-0.1	1.3
20081229	62093		691	0	-0.4	1.4
20081229	62094		670	0	0.0	1.2
20081229	62095		686	1	-0.3	1.2
20081229	62163		662	0	-0.2	1.0
20081229	64045		696	2	-0.3	1.7
20081229	64046		691	2	0.0	1.6

Air Temperature (C), drifting buoys, December 2008

Datend	WMO	Telcom	Recv	GE	Bias	Std
20081229	48665	73389	659	8	0.8	4.7

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Air Temperature (C), moored buoys, December 2008

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20081229	61001		690	0	-0.6	1.0
20081229	61002		658	0	1.0	0.9
20081229	62001		672	0	0.2	0.8
20081229	62029		690	196	0.2	0.9
20081229	62052		690	0	-0.1	0.8
20081229	62081		678	0	0.0	1.0
20081229	62091		631	0	1.3	0.8
20081229	62092		687	0	0.2	0.8
20081229	62093		692	0	0.6	0.8
20081229	62094		673	0	1.0	0.8
20081229	62095		687	0	0.0	0.9
20081229	62163		671	0	-0.1	0.8
20081229	64045		696	0	-0.4	0.9
20081229	64046		694	0	0.1	0.7
20081229	64071		17	0	0.0	0.4

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

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20081229	44638	79157	265	2	14.	22.
20081229	44639	83654	220	1	-3.	25.
20081229	44753	83653	613	7	-4.	22.

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

Datend	WMO	Telcom	Recv'd	GE	Bias	Std
20081229	61001		689	56	-3.	29.
20081216	61002		188	1	4.	23.
20081229	62001		672	3	4.	18.
20081229	62029		691	2	2.	16.
20081229	62052		687	5	0.	19.
20081229	62081		673	2	1.	15.
20081229	62091		632	4	-3.	24.
20081229	62092		687	2	1.	16.
20081229	62094		659	11	0.	18.
20081229	62095		684	3	-3.	16.
20081229	62163		676	4	-1.	16.
20081229	64045		696	10	3.	21.
20081229	64046		692	12	1.	20.
20081229	64071		17	0	9.	10.

Wind speed rate, drifting buoys, December 2008

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20081229	44638	79157	265	1	1.5	2.2
20081229	44639	83654	223	1	1.3	2.3
20081229	44753	83653	613	2	1.3	2.3

Wind speed rate, moored buoys, December 2008

Datend	WMO	Telcom	Recv'd	GE	Rate	Err
20081229	61001		690	0	1.5	2.3
20081216	61002		194	0	1.2	2.2
20081229	62001		672	0	1.0	1.4
20081229	62029		691	0	1.0	1.6
20081229	62052		690	0	1.1	1.8
20081229	62081		674	31	0.7	4.8
20081229	62091		632	0	1.3	2.0
20081229	62092		690	0	1.0	1.6
20081229	62094		676	0	1.2	1.4
20081229	62095		685	0	0.9	1.8

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20081229	62163	679	0	1.0	1.6
20081229	64045	696	0	1.1	2.6
20081229	64046	699	0	0.9	2.2
20081229	64071	17	0	0.9	1.9

Comments on QC statistics :

Air pressure

4. As usually, IcexAir buoy 66739 (WMO **25534**) reported about 3% of gross errors in October. These are difficult to filter.
5. Metoceane Iridium SVP-B drifter 34240 (WMO **44621**) reported some unreliable air pressure values onto the GTS in December. These latest are carefully watched. Data will be removed if they become too wrong.
6. Air pressure values reported onto the GTS by Metoceane Iridium SVP-B drifter 335200 (WMO **62555**) were still inaccurate for a few days in December. However, they seemed fine in the beginning of January 2009.
7. Iridium SVP-B drifter 32250 (WMO **62697**), as well as Argos SVP-B drifters 76820 (WMO **63662**) and 76818 (WMO **63665**) reported a few wrong air pressure values onto the GTS before their transmissions were stopped : on December 23rd for the first one, on January 3rd for the two others.
8. SVP-B drifter 68033 (WMO **64521**) reported a few wrong air pressure values after being ashore in Scotland.
9. Since the end of November, about 4% of air pressure values reported by K1 moored buoy (WMO **62029**) have been unreliable.

Air Temperature

10. Temperature values reported by Iceb buoy Argos 73389 (WMO **48665**) in December 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.
11. Wrong air temperature values were still reported onto the GTS in December by K1 moored buoy (WMO **62029**). They were correct back after the 10th of this month.

Wind

12. 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.