



ECMWF Global Data Monitoring Report

February 2026

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**European Centre for Medium-Range Weather Forecasts
Europäisches Zentrum für mittelfristige Wettervorhersage
Centre européen pour les prévisions météorologiques à moyen terme**

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Summary of Revisions (in reverse order)

- Revision 31 (Dec 25) - Due to decommissioning of NOAA-15 and NOAA-18 AMSU-A in 2025, Figure 9.3 becomes Figure 8 (METOP-B ATOVS : AMSU-A)
Figure 9.2 becomes Figure 9 (METOP-C ATOVS : AMSU-A)
Removed Figure 9.1
- Revision 30 (Nov 23) - Coverage charts for AIREP/AMDARs updated:
Added MODE-S and ADS-C to Figure 5 and Figure 18
- Revision 29 (Dec 22) - Coverage charts for ATOVS AMSU-A updated:
METOP-C replaces Aqua-ATOVS (Figure 9.2)
METOP-B replaces METOP-ATOVS (Figure 9.3)
SATOBS figures updated with METEOSAT-9, Dual-Metop,
METEOSAT-11, GOES-16, HIMAWARI-9, GOES-17 satellites
- Revision 28 (Jun 15) - Monitoring of SYNOP and SYNOP-SHIPs now includes BUFR encoded observations for those which were assimilated as well as for those without TAC counterpart.
- Revision 27 (Feb 15) - Selection criteria for SHIPs are modified as per SOT-7/Doc.9.1.1.
Different criteria applied to Manual and Automatic SHIPs.
- Revision 26 (Dec 14) - Coverage chart for ATOVS AMSU-A for Noaa_16 removed
- Revision 25 (Mar 13) - Monitoring of Radiosondes and ASAPS now includes BUFR encoded observations for those which were assimilated as well as for those without TAC counterpart.
Tables 24 and 25 are also added to show the identifiers of these BUFR observations separately.
- Revision 24 (Aug 06) - North Atlantic Monitoring statistics replaced by EUCOS Area Monitoring Statistics (tables 13 to 23).
Airep tables removed from this section.
- Revision 23 (Dec 00) - Coverage charts for Noaa_14 MSU replaced by ATOVS AMSU-A for Noaa_16.
- Revision 22 (Aug 99) - Coverage charts for TOVS thickness 300-100 hPa replaced by (A) TOVS AMSU-A and MSU (Noaa_15 and Noaa_14).
- Revision 21 (May 99) - Monitoring statistics ceased for Noaa_11 as satellite is no more available.
- Revision 20 (Sep 98) - Changes to tables and annex to remove all mention about data usage. Two more levels (50 and 850 hPa) added to the COSNA statistics for Sondes.
- Revision 19 (Jul 98) - From June 29th, 1998 ECMWF model assimilates temperature data instead of geopotential from

radiosondes. As a consequence the number of used geopotential data drops to zero in tables 7, 10, 13 and 15.

Revision 18 (Apr 98) - Changes to tables and annex to introduce the usage of accepted numbers and observations instead of percentage of rejection.

1 Introduction

The ECMWF global data monitoring report is a monthly publication intended to give an overview of the availability and quality of observations from the Global Observing System within the World Weather Watch of the World Meteorological Organisation. It should be recognised that the statistics given in this report refer to data as received at ECMWF in time for the appropriate analysis. The annex of the report gives further explanations of the methods applied to compile the statistics and on the reference used to establish the quality of observations.

The information presented on data quality is based on differences between observations and the values of the most recent ECMWF forecast ("first guess") of the same parameter. Depending on the time of the observation, the forecast range is between 9 and 15 hours. It should be recognised that although the quality of the first-guess is of a generally high standard this is only true to a limited extent in certain areas, such as the tropics and data-sparse areas of both northern and southern hemispheres. The data quality results should therefore be used with care when assessing the absolute quality of a particular observing platform. Other indicators such as long-term trends of station performance, particularly in comparison with nearby stations, can be more useful in this respect.

The global monitoring results presented in this report are meant to serve a wider meteorological community as well as to support special WMO programmes such as TOGA and EUCOS. The contents of the report may therefore be adapted for special requirements as necessary.

As recommended at the ninth session of the Commission for Basic Systems at Geneva 1988, lead centres have been appointed for each main type of observation which should liaise with the participating centres and co-ordinate all the results, inform the WMO Secretariat immediately of obvious problems, and produce every six months a consolidated list of observations of that particular type believed to be of low quality. The presently nominated centres are: RSMC Exeter for marine surface observations; RSMC ECMWF for radiosonde and pilot observations; WMC Washington for aircraft and satellite observations.

ECMWF produces this monthly report as part of its routine monitoring activity in order to facilitate the exchange of monitoring information. Tables are presented according to the CBS recommended standards for the exchange of monitoring results. Copies of the report will be provided to major GDPS centres participating in data monitoring activities as initiated and recommended at the ninth session of the Commission for Basic Systems in Geneva 1988, and to the WMO Secretariat and the International TOGA office in Geneva.

Any comments on the contents and the format of the report are welcome and should be addressed to:

ECMWF
Attn. Head of Evaluation Section
Shinfield Park
Reading, Berkshire, RG2 9AX
United Kingdom

2 Data summary - History of events

2.1 Radiosondes

The following is a list of land-based stations showing a change in reporting frequency (of 500 hPa geopotential) of at least 10 observations compared with the average over the previous 3 months. The number of reports received at ECMWF for the current and previous month is shown in addition to the observation time.

Ident	Time	Jan	Feb	Ident	Time	Jan	Feb
16144	(12)	26	0	14015	(00)	3	25
41169	(00)	16	0	14015	(12)	3	25
42369	(00)	29	6	32477	(12)	0	27
42369	(12)	31	3	32540	(12)	0	28
42410	(00)	24	4	40800	(00)	8	25
42410	(12)	25	3	41169	(12)	14	25
42492	(00)	31	17	43369	(00)	0	19
42701	(00)	18	2	43369	(12)	0	15
42971	(00)	31	15	65548	(12)	2	27
42971	(12)	17	0	72562	(00)	6	28
44373	(00)	16	0	74626	(00)	9	27
44373	(12)	27	0	78486	(00)	0	22
48811	(00)	18	0	78486	(12)	0	24
48820	(00)	15	0	80028	(12)	9	23
48820	(12)	17	0	80259	(12)	11	27
48845	(00)	18	0	82532	(00)	2	26
48855	(00)	18	0	82532	(12)	4	28
48855	(12)	18	0	-	-	-	-
48900	(00)	31	1	-	-	-	-
48900	(12)	31	0	-	-	-	-
60390	(00)	31	20	-	-	-	-
60680	(00)	31	20	-	-	-	-
68906	(00)	12	0	-	-	-	-
72233	(00)	27	16	-	-	-	-
72233	(12)	27	16	-	-	-	-
72274	(00)	26	0	-	-	-	-
72293	(12)	31	18	-	-	-	-
72393	(00)	31	17	-	-	-	-
72393	(12)	31	15	-	-	-	-
72659	(12)	31	8	-	-	-	-
74794	(00)	30	18	-	-	-	-
78807	(00)	29	13	-	-	-	-
78970	(12)	17	1	-	-	-	-
82411	(12)	19	2	-	-	-	-
83208	(00)	20	8	-	-	-	-
89022	(12)	21	0	-	-	-	-
89662	(00)	31	7	-	-	-	-
89662	(12)	28	7	-	-	-	-
94461	(12)	31	2	-	-	-	-
98646	(12)	26	13	-	-	-	-

2.2 Drifting Buoys

Surface pressure observations from **1217** drifting buoys were received during the month.

3 Global monitoring statistics

The following figures and tables provide information on both the availability and quality of various data types as received at ECMWF during the month. A brief description of each figure/table is given below. For a full explanation please refer to the Annex.

3.1 Data Availability

Figures 1-9 are global charts for each data type showing the average number of observations received in 24 hours in 5 degree boxes. The average daily number of observations (global) is also displayed with a breakdown, where appropriate, for each WMO region (figures 1, 3 and 4) and Ocean (figures 1-4).

Fig	Observation Type	Parameter	Level/Layer
1	SYNOP/SHIP	MSL Pressure	Surface
2	DRIFTER	MSL Pressure	Surface
3	TEMP	Geopotential	500 hPa
4	TEMP/PILOT	Wind	300 hPa
5	AIRCRAFT (AIREP/AMDAR etc.)	Wind	300-150 hPa
6	SATOB	Wind	400-150 hPa
7	SATOB	Wind	1000-700 hPa
9	TOVS (120 km) - NOAA14	Thickness	300-100 hPa

(Figure 1 includes data from fixed marine platforms e.g. moored buoys.)

3.2 Data Quality

Tables 1-8 contain lists of suspect stations in the format according to Recommendation 3 CBS-Ext(85).

Tab	Observation Type	Parameter	Level/Layer
1	SHIP	MSL Pressure	Surface
2	SHIP	Wind Speed	Surface
3	SHIP	Wind Direction	Surface
4	DRIFTER	MSL Pressure	Surface
5	DRIFTER	Wind Speed	Surface
6	DRIFTER	Wind Direction	Surface
7	TEMP	Geopotential	1000- 30 hPa
8	TEMP/PILOT	Wind	1000-100 hPa
9	TEMP/PILOT	Wind Direction	500-150 hPa

(SHIP tables include data from fixed marine platforms e.g. moored buoys.)

Figures 10-13 show the locations of suspect stations given in tables 7 and 8.

Fig	Observation Type	Parameter	Observation Time
10	TEMP	Geopotential	00 UTC
11	TEMP	Geopotential	12 UTC
12	TEMP/PILOT	Wind	00 UTC
13	TEMP/PILOT	Wind	12 UTC

Tables 10 and 11 provide quality statistics for all TEMPSHIPS and PILOTSHIPS received during the month.

Tab	Parameter	Observation Time
10	Geopotential	00 and 12 UTC
11	Wind	00 and 12 UTC

Figures 14-18 show global charts of SATOB and aircraft wind statistics in the form of wind vectors averaged over 5 degree boxes.

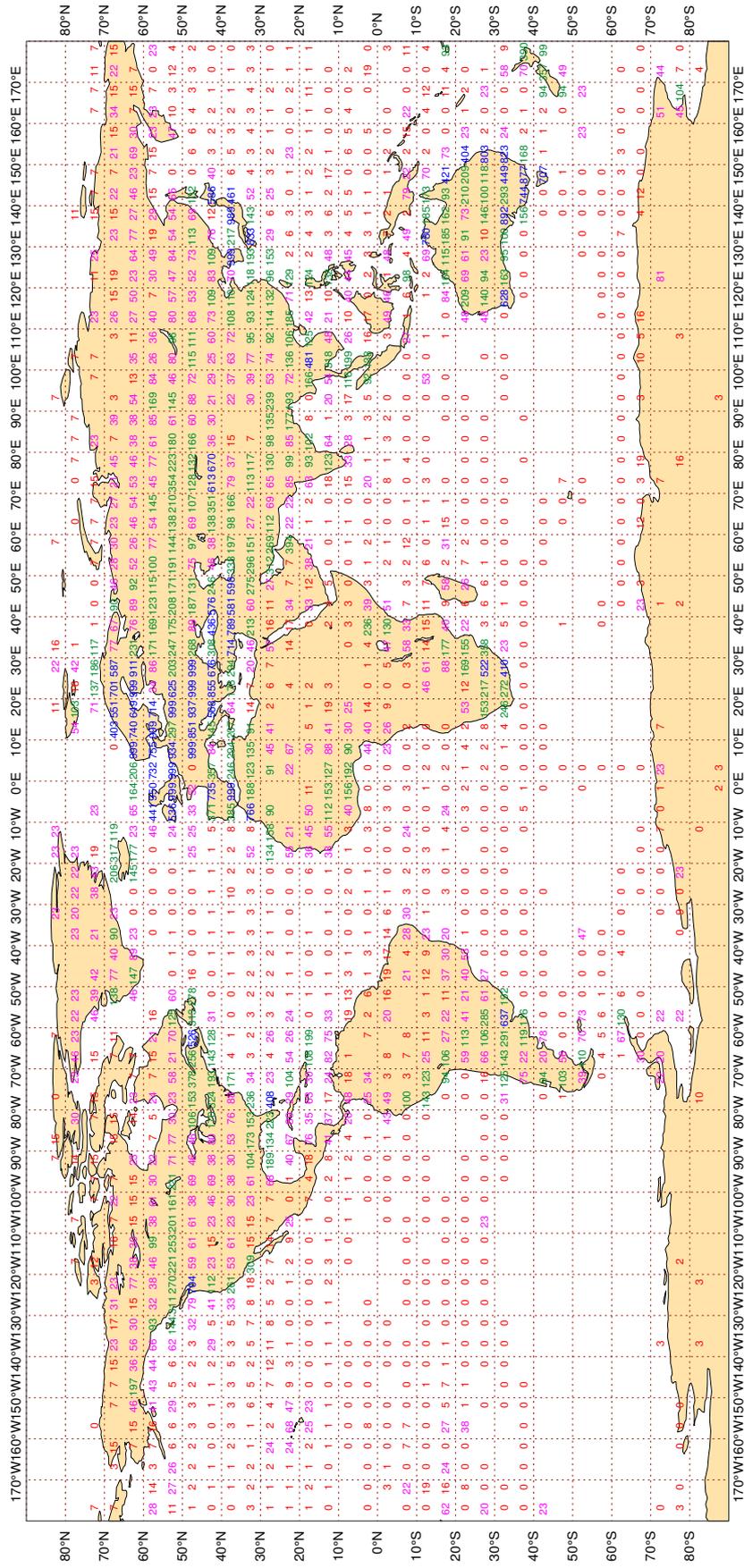
Fig	Parameter	Level/Layer
14	SATOB - Mean observed wind	1000-700 hPa
15	SATOB - Mean observed wind	400-150 hPa
16	SATOB - Mean observed minus first-guess wind	1000-700 hPa
17	SATOB - Mean observed minus first-guess wind	400-150 hPa
18	AIRCRAFT WIND - Mean observed minus first-guess	300-150 hPa

Table 12 provides quality statistics of aircraft wind observations stratified by airline carrier.

3.2.1 Figure 1 - Availability - SYNOP PRESSURE

ECMWF Monitoring Statistics - FEB 2026
 Availability - SYNOP/SHIP (manual, auto) pressure
 Average number of observations in 24 hours - 111375
 LAND - WMO Region I: 8451 II:23785 III: 4574 IV: 7330
 Region V:14227 VI:40363 Antarctic: 838
 Oceans - N. Atlantic 5604 S. Atlantic 286 Indian 577 Pacific 5340

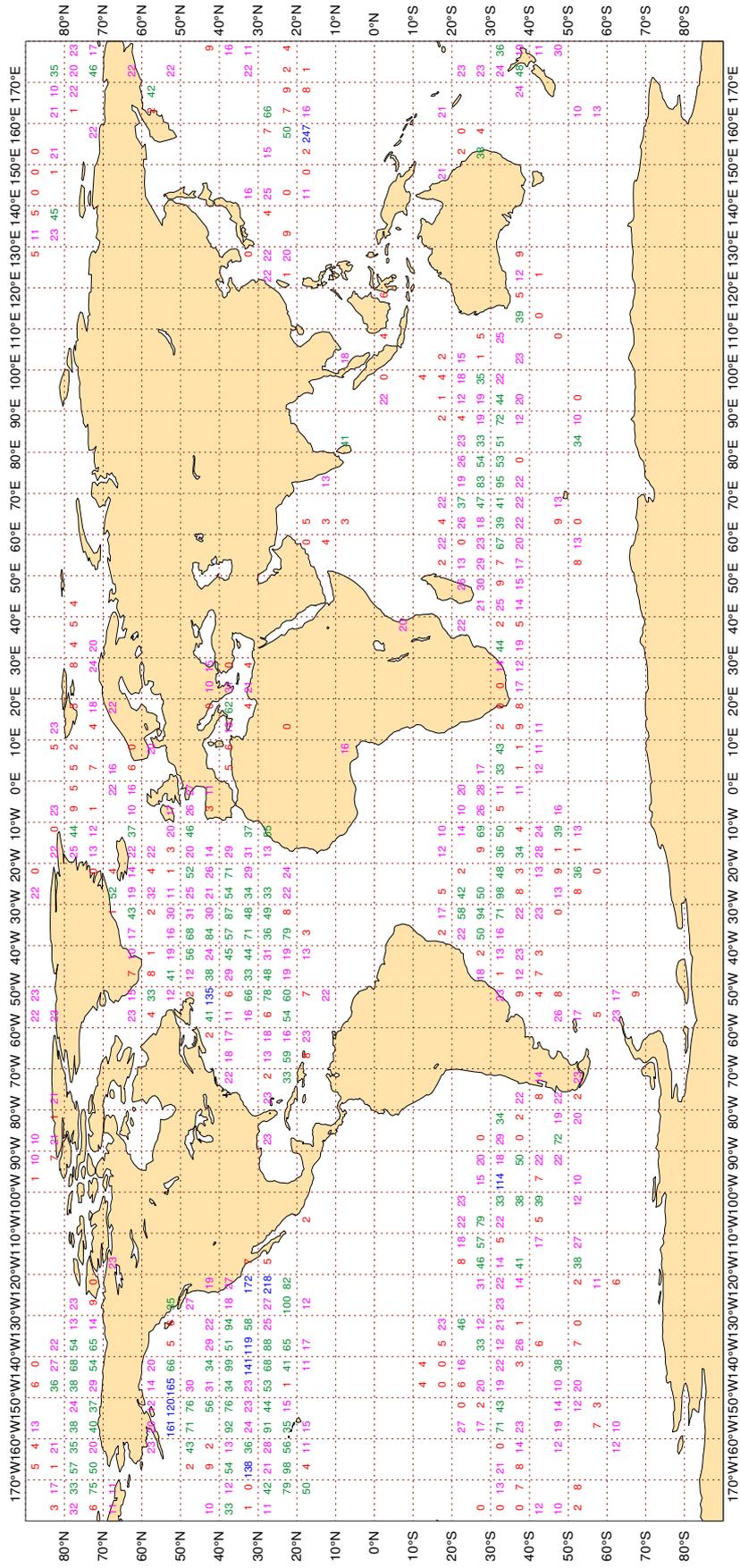
Figure 1



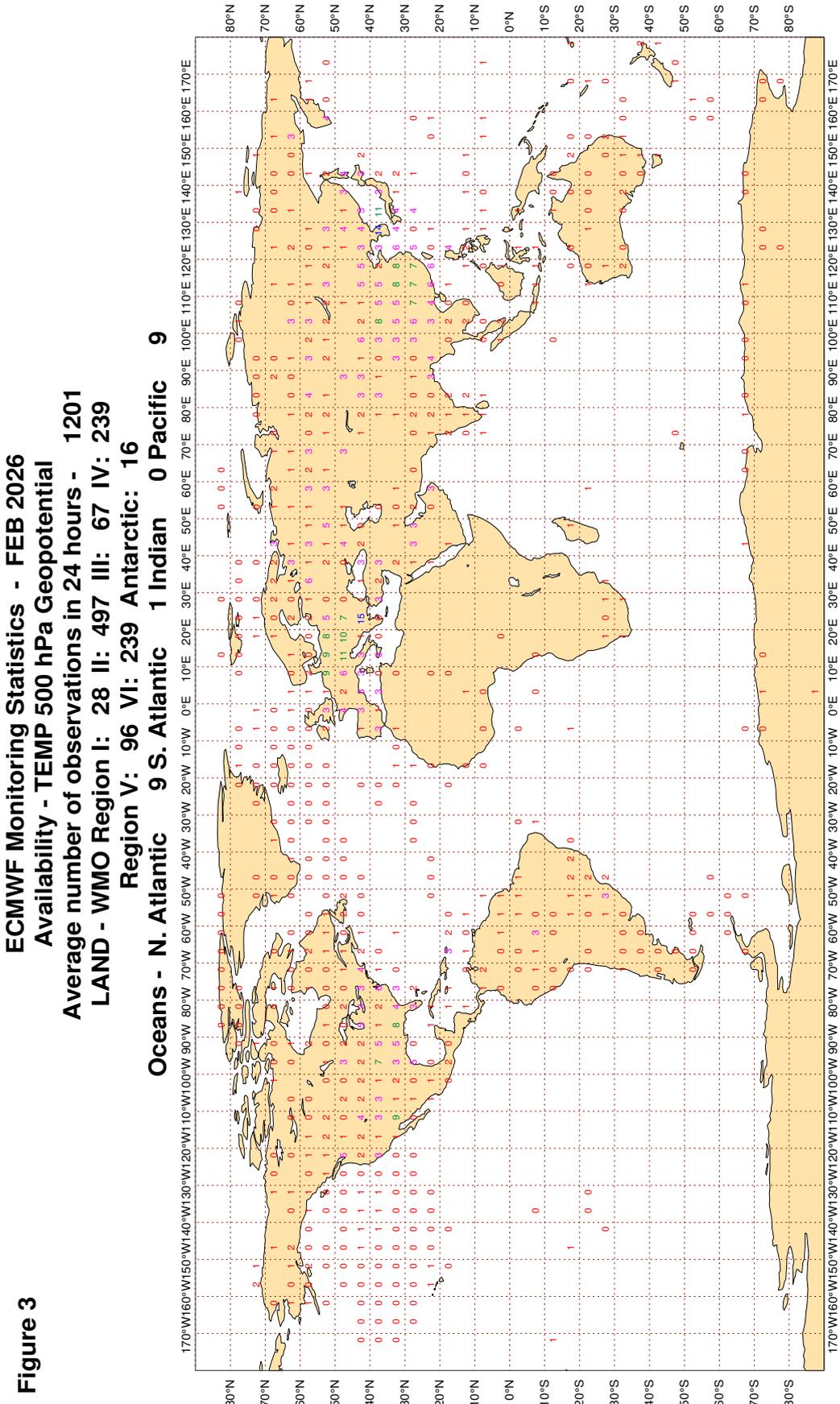
3.2.2 Figure 2 - Availability - DRIFTER PRESSURE

Figure 2

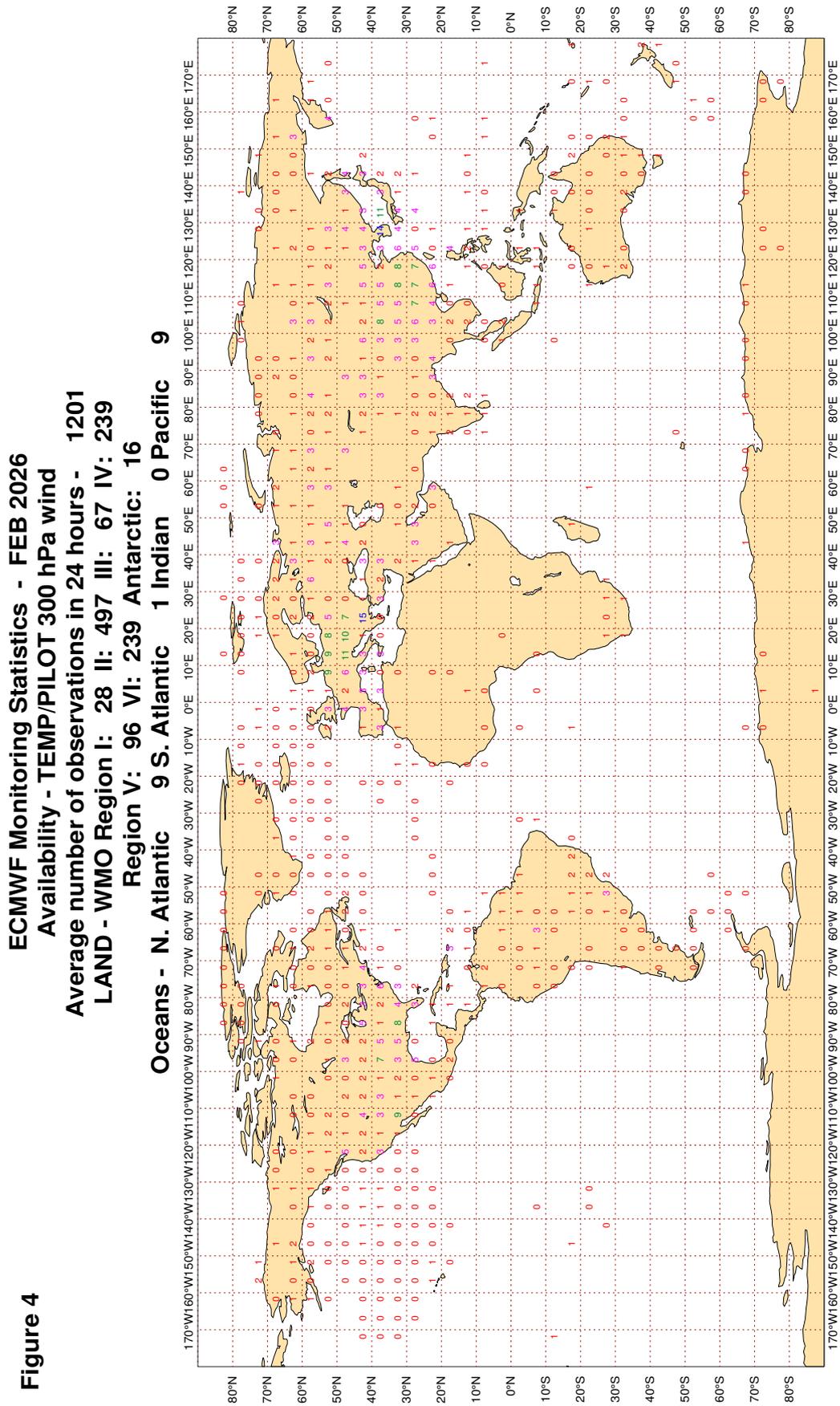
ECMWF Monitoring Statistics - FEB 2026
Availability - DRIFTER PRESSURE
Average number of observations in 24 hours - 15788
Oceans - N. Atlantic 3832 S. Atlantic 1588 Indian 1884 Pacific 8483



3.2.3 Figure 3 - Availability - TEMP 500 hPa geopotential



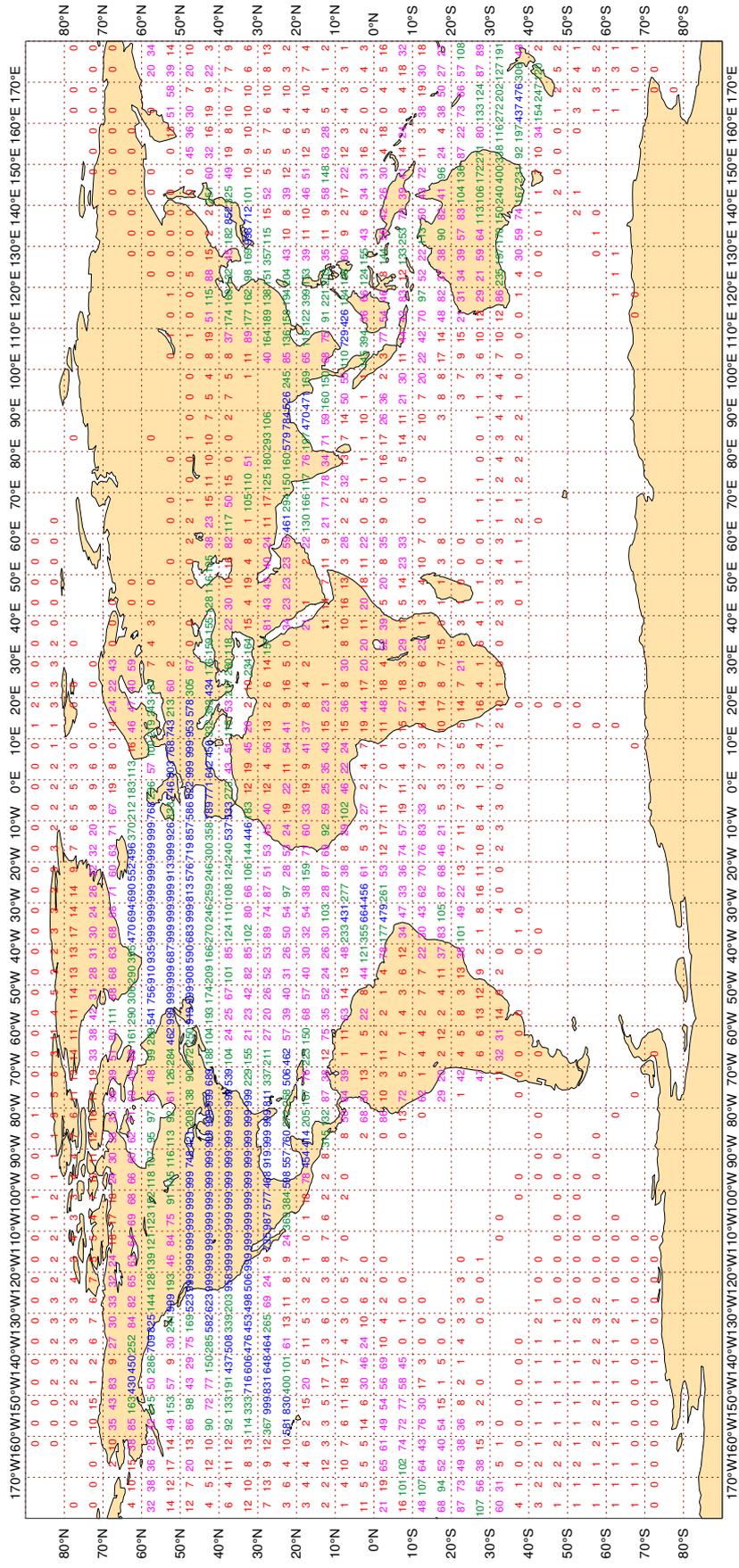
3.2.4 Figure 4 - Availability - TEMP/PILOT 300 hPa wind



3.2.5 Figure 5 - Availability - AIRCRAFT winds 300-150 hPa

Figure 5

ECMWF Monitoring Statistics - FEB 2026
Availability - Aircraft winds 300-150 hPa
Average number of observations in 24 hours - 255874

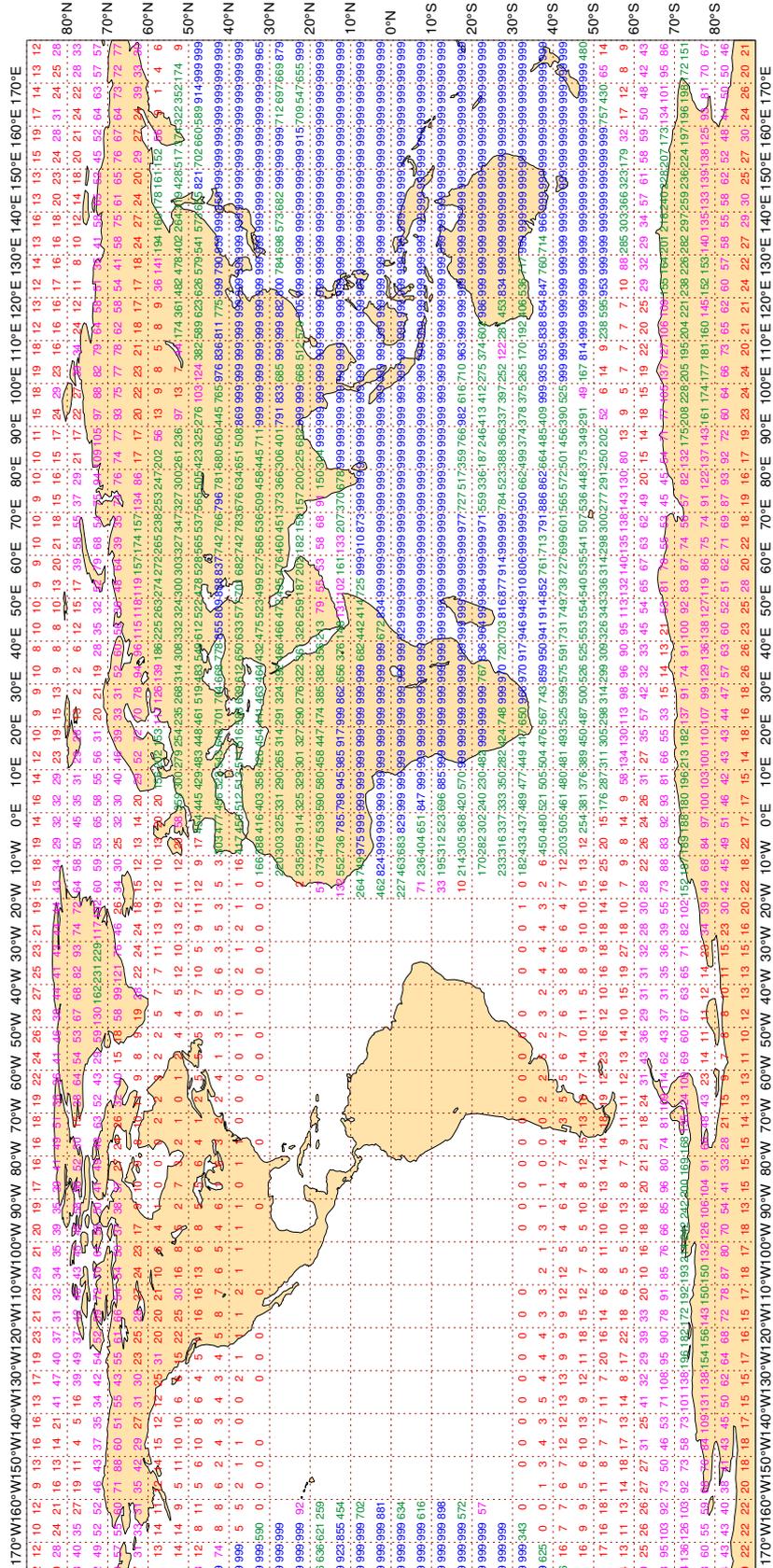


Magics 4.9.4

3.2.6 Figure 6 - Availability - SATOB winds 400-150 hPa

Figure 6

ECMWF Monitoring Statistics - FEB 2026
 Availability - AMV winds 400-150 hPa
 Average number of observations in 24 hours - 1311835

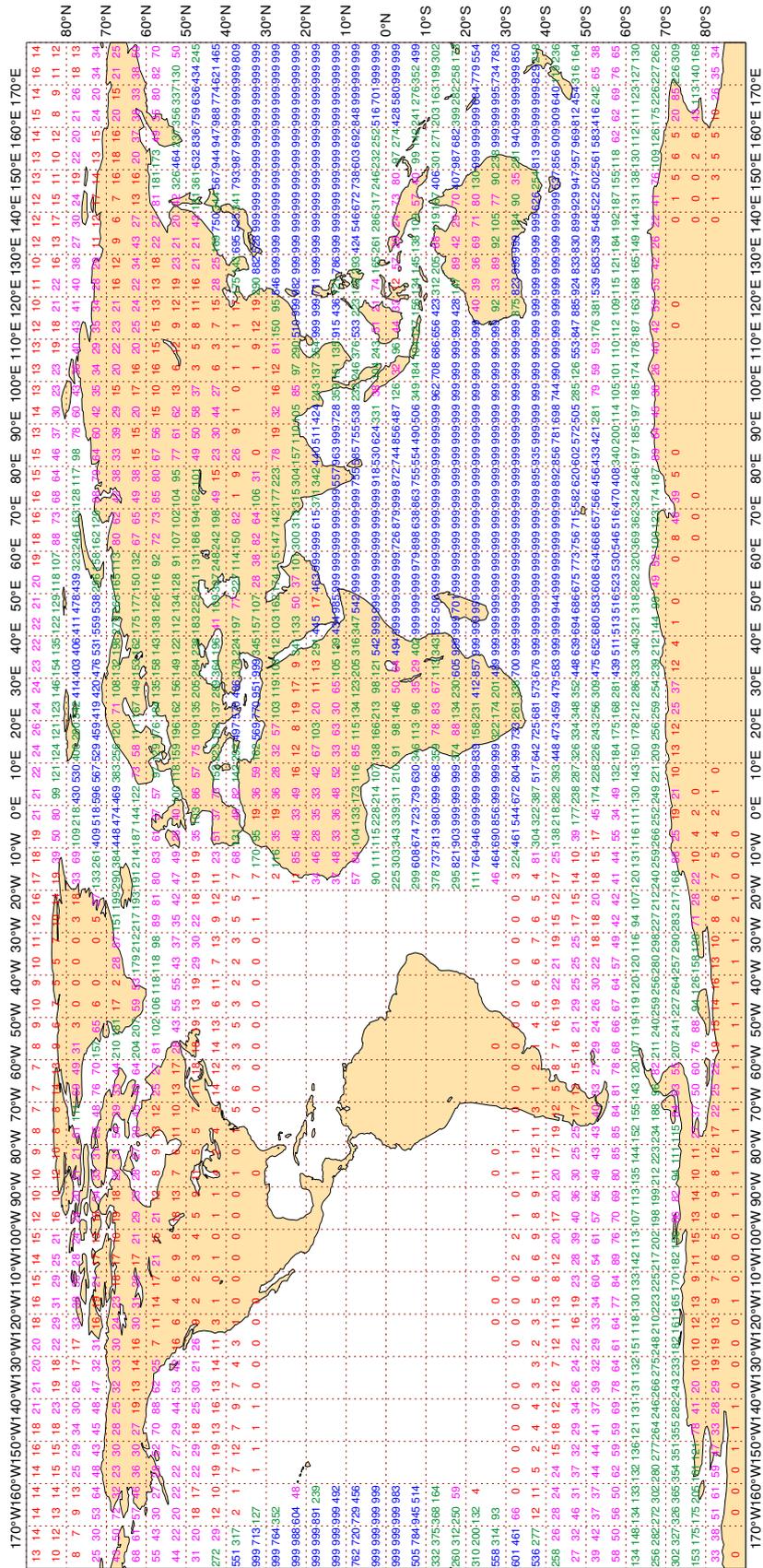


3.2.7 Figure 7 - Availability - SATOB winds 1000-700 hPa

Figure 7

ECMWF Monitoring Statistics - FEB 2026
Availability - AMV winds 1000-700 hPa

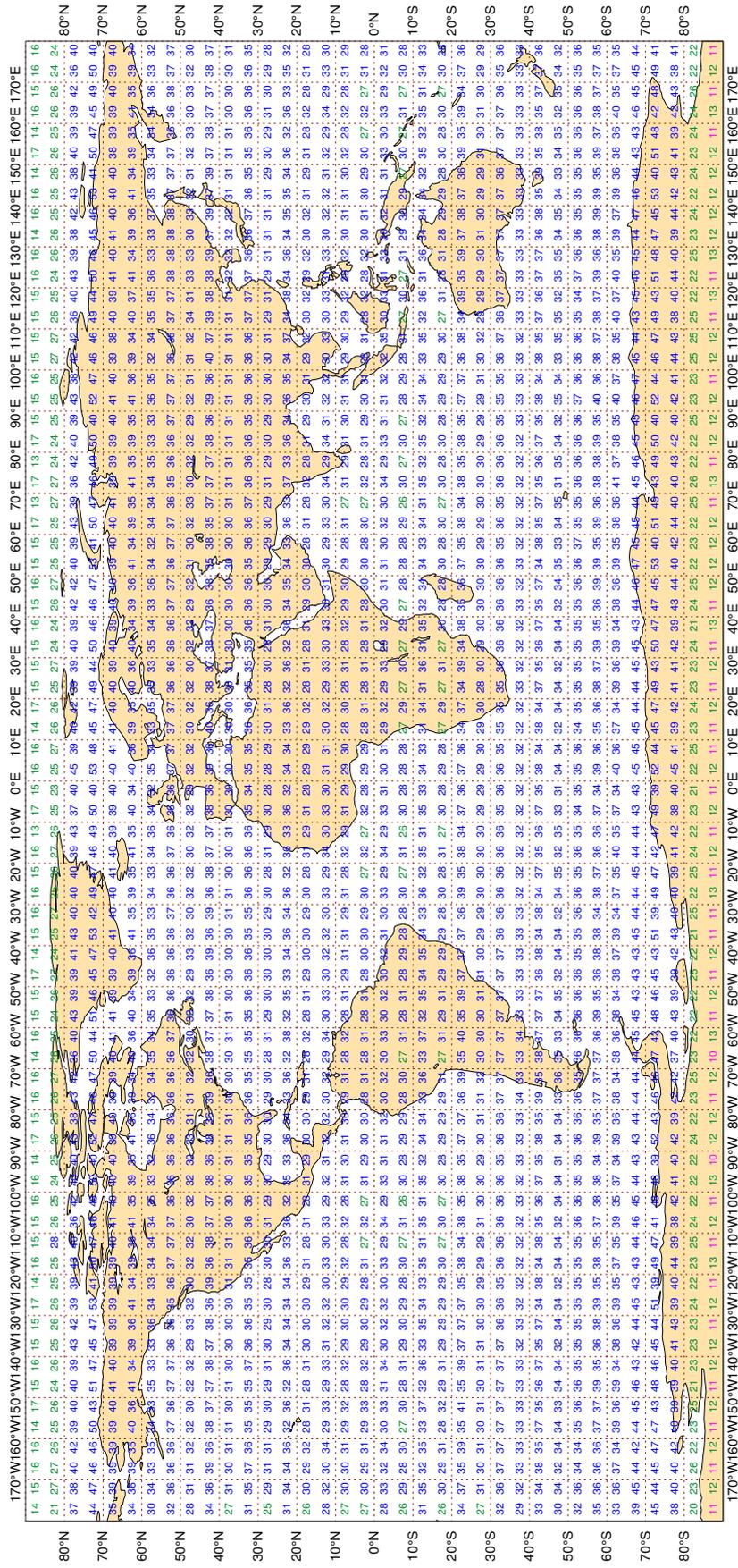
Average number of observations in 24 hours - 710375



3.2.8 Figure 8 - Availability - METOP-B ATOVS : AMSU-A

Figure 8

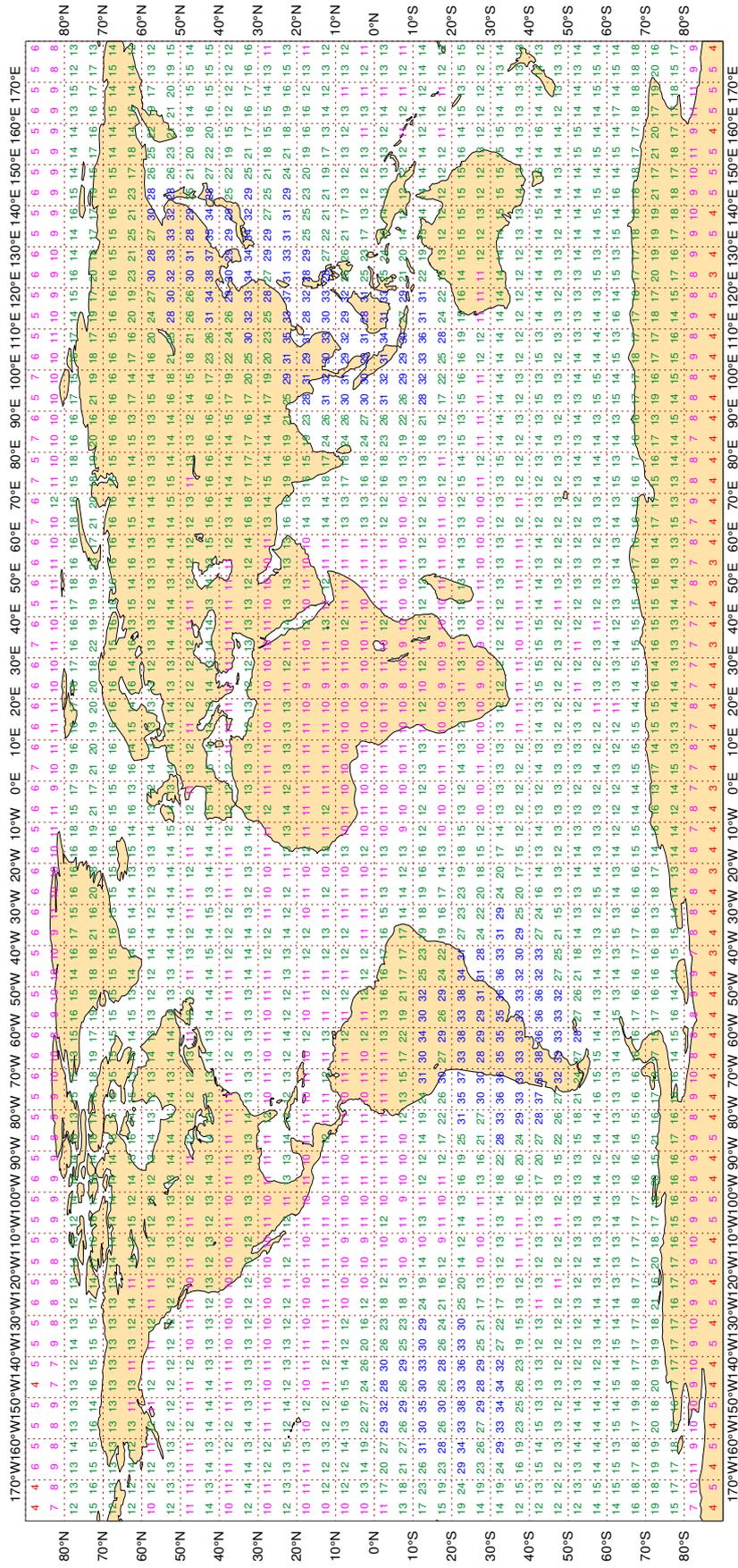
ECMWF Monitoring Statistics - FEB 2026
Availability - METOP-B ATOVS : AMSU-A
Average number of observations in 24 hours - 87669



3.2.9 Figure 9 - Availability - METOP-C ATOVS : AMSU-A

Figure 9

ECMWF Monitoring Statistics - FEB 2026
Availability - METOP-C ATOVS : AMSU-A
Average number of observations in 24 hours - 39641



Magics 4.9.4

3.2.10 Table 1 - Suspect ships and fixed marine platforms: Surface pressure - (hPa)

LIST OF SUSPECT STATIONS : SHIPS + FIXED MARINE PLATFORMS
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : SURFACE PRESSURE (HPA)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 15(50), AND,
 Manual (Automatic) ABSOLUTE BIAS >= 3(2) HPA, OR,
 STANDARD DEVIATION >= 5(4) HPA, OR,
 % GROSS ERROR >= 25(15)
 (GROSS ERROR LIMIT = 15 HPA)

TIME = 99 => AVERAGE OF 00, 06, 12 AND 18 UTC OBSERVATIONS

WMO IDENT	OBS TIME	ELM	LEVEL	NUM OBS	NUM GROSS	SD	BIAS	RMS
2FRE8	99	P	SUR	19	0	2.4	4.3	4.9
3E2032	99	P	SUR	30	0	1.7	-3.6	4.0
3E3566	99	P	SUR	38	0	1.2	6.3	6.4
3E4612	99	P	SUR	25	0	2.2	4.5	5.0
3E5193	99	P	SUR	50	0	0.4	3.3	3.3
3EBY2	99	P	SUR	43	43	0.0	0.0	0.0
3EFK6	99	P	SUR	19	0	3.9	-3.6	5.3
3ERG5	99	P	SUR	41	1	3.4	3.8	5.1
3ETR7	99	P	SUR	43	0	3.0	4.8	5.6
5LYQ3	99	P	SUR	26	0	3.6	7.4	8.2
7JUN	99	P	SUR	21	0	1.4	-3.1	3.4
7KHW	99	P	SUR	20	0	1.2	6.3	6.5
8VEUMXY	99	P	SUR	97	9	5.3	-1.6	5.5
9HA4777	99	P	SUR	34	0	1.5	3.5	3.8
9HA4902	99	P	SUR	19	5	1.2	10.8	10.8
9HA5209	99	P	SUR	64	26	1.4	13.9	14.0
9HA5782	99	P	SUR	31	0	2.2	-3.2	3.9
9HA5823	99	P	SUR	33	0	2.8	7.3	7.9
9HJB9	99	P	SUR	19	0	0.7	4.1	4.2
9HJD9	99	P	SUR	40	0	0.6	-3.1	3.2
9V2952	99	P	SUR	44	0	1.9	-3.2	3.7
9V7629	99	P	SUR	40	0	2.8	5.8	6.4
9V7754	99	P	SUR	19	0	1.7	4.4	4.7
9V7980	99	P	SUR	15	0	2.5	4.1	4.8
9V8043	99	P	SUR	23	0	2.2	-3.1	3.8
9V8191	99	P	SUR	38	0	1.3	-5.7	5.8
9VMY3	99	P	SUR	27	2	2.1	11.8	12.0
AURC	99	P	SUR	16	2	2.2	-11.7	11.9
C6CA7	99	P	SUR	91	0	0.7	5.3	5.4
C6CX3	99	P	SUR	34	0	1.0	3.5	3.7
C6FJ9	99	P	SUR	15	4	6.1	-8.4	10.4
C6PT7	99	P	SUR	77	0	0.4	4.8	4.8

LIST OF SUSPECT STATIONS : SHIPS + FIXED MARINE PLATFORMS
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : SURFACE PRESSURE (HPA)
 (CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	NUM OBS	NUM GROSS	SD	BIAS	RMS
CGSB	99	P	SUR	97	9	5.3	-1.6	5.5
KPSJ	99	P	SUR	59	0	0.4	6.3	6.3
LAPD7	99	P	SUR	43	0	1.1	4.0	4.2
LOCU	99	P	SUR	39	12	1.1	-1.5	1.9
LOCW	99	P	SUR	47	1	1.6	-5.1	5.4
NBTM	99	P	SUR	49	0	0.8	-3.5	3.6
OBMT	99	P	SUR	35	0	1.3	4.0	4.2
OZFW2	99	P	SUR	27	0	1.5	3.9	4.2
UBSI9	99	P	SUR	16	1	7.2	-3.2	7.8
UCSJ	99	P	SUR	29	3	5.6	4.1	6.9
V7A4788	99	P	SUR	89	0	3.3	4.9	5.9
V7A6073	99	P	SUR	96	0	3.0	5.4	6.2
V7A6082	99	P	SUR	34	0	2.1	8.0	8.2
V7A6440	99	P	SUR	19	0	2.9	5.8	6.5
V7A6573	99	P	SUR	48	0	1.6	-4.1	4.4
V7TN8	99	P	SUR	17	0	1.0	3.9	4.0
V7UU4	99	P	SUR	43	30	6.4	-7.5	9.8
VRCI9	99	P	SUR	22	0	3.6	4.9	6.1
VRGO2	99	P	SUR	29	0	2.3	3.0	3.8
VRGO6	99	P	SUR	50	0	0.8	-6.7	6.7
VRID2	99	P	SUR	77	0	1.0	4.1	4.2
VRJT5	99	P	SUR	19	0	1.6	3.6	4.0
VRQS3	99	P	SUR	26	0	1.1	-3.3	3.5
VRWK9	99	P	SUR	26	0	0.9	-5.5	5.5
WFLH	99	P	SUR	25	0	0.8	4.2	4.3
WGEB	99	P	SUR	84	0	3.9	4.6	6.0
WMKQ	99	P	SUR	80	0	0.6	-5.3	5.3
WQJ6LZH	99	P	SUR	16	0	1.0	-3.3	3.5
WSAF	99	P	SUR	59	0	0.4	-7.5	7.5
XNDW39M	99	P	SUR	17	0	1.9	3.8	4.3
YDDP2	99	P	SUR	15	0	0.4	-3.5	3.6

3.2.11 Table 2 - Suspect ships and fixed marine platforms: Wind speed (m/s)

LIST OF SUSPECT STATIONS : SHIPS + FIXED MARINE PLATFORMS
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND SPEED (M/S)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 15(50), AND,
 Manual (Automatic) ABSOLUTE BIAS >= 4(4) M/S, OR,
 % GROSS ERROR >= 25(15)
 (GROSS ERROR LIMIT FOR VECTOR WIND = 25 M/S)

TIME = 99 => AVERAGE OF 00, 06, 12 AND 18 UTC OBSERVATIONS

WMO IDENT	OBS TIME	ELM	LEVEL	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
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3.2.12 Table 3 - Suspect ships and fixed marine platforms: Wind direction (DEGREES)

LIST OF SUSPECT STATIONS : SHIPS + FIXED MARINE PLATFORMS
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND DIRECTION (DEGREES)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 15 (50) (WIND SPEEDS > 3M/S), AND ,
 Manual (Automatic) ABSOLUTE BIAS >= 30 (25) DEGREES, OR,
 STANDARD DEVIATION >= 70 (50) DEGREES
 (GROSS ERROR LIMIT FOR VECTOR WIND = 25 M/S)

TIME = 99 => AVERAGE OF 00, 06, 12 AND 18 UTC OBSERVATIONS

WMO IDENT	OBS TIME	ELM	LEVEL	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
46092	99	DIRN	SUR	52	0	0	20.2	45.3	49.6
46120	99	DIRN	SUR	42	0	0	18.4	40.0	44.0

3.2.13 Table 4 - Suspect drifters: Surface pressure (HPA)

LIST OF SUSPECT STATIONS : DRIFTER
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : SURFACE PRESSURE (HPA)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 20, AND,
 ABSOLUTE BIAS >= 4 HPA, OR,
 STANDARD DEVIATION >= 6 HPA, OR,
 % GROSS ERROR >= 25
 (GROSS ERROR LIMIT = 15 HPA)

TIME = 99 => AVERAGE OF ALL OBSERVATIONS

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
0022946	99	P	SUR	24	134	262	54	5.1	-4.9	7.0
1701678	99	P	SUR	-34	75	426	50	4.1	-6.4	7.6
2101868	99	P	SUR	50	-128	654	0	3.3	4.7	5.8
2302627	99	P	SUR	11	73	387	50	6.0	-4.4	7.4
2501555	99	P	SUR	79	-177	112	112	0.0	0.0	0.0
2501557	99	P	SUR	75	172	655	655	0.0	0.0	0.0
2501559	99	P	SUR	80	-165	672	633	1.4	-12.1	12.2
2501586	99	P	SUR	76	-144	672	672	0.0	0.0	0.0
2501587	99	P	SUR	75	-152	672	672	0.0	0.0	0.0
2501590	99	P	SUR	70	170	672	328	6.2	-5.2	8.1
2501591	99	P	SUR	71	180	672	150	6.8	1.2	6.9
2601524	99	P	SUR	70	-168	607	274	4.2	1.7	4.5
2601526	99	P	SUR	71	-172	672	208	7.0	5.0	8.7
2601548	99	P	SUR	74	-160	92	78	1.8	-10.2	10.3
2601549	99	P	SUR	74	-158	672	533	7.1	-1.9	7.4
3401636	99	P	SUR	-32	-95	611	0	0.4	-7.9	7.9
3801567	99	P	SUR	-3	119	107	107	0.0	0.0	0.0
3801676	99	P	SUR	79	16	152	77	2.6	-1.4	3.0
4101867	99	P	SUR	6	81	666	25	1.6	-4.7	5.0
4601855	99	P	SUR	48	-128	667	382	4.4	-7.4	8.6
4701558	99	P	SUR	79	-18	56	0	0.4	-4.6	4.6
4701599	99	P	SUR	71	-168	520	520	0.0	0.0	0.0
4801639	99	P	SUR	70	-127	270	255	5.2	5.0	7.2
4801763	99	P	SUR	64	-6	672	0	0.9	-9.8	9.8
4802582	99	P	SUR	64	-18	557	0	0.5	-10.1	10.1
5501735	99	P	SUR	-38	-103	672	672	0.0	0.0	0.0
5601764	99	P	SUR	-52	-138	234	85	2.7	-0.5	2.7
5801971	99	P	SUR	-4	116	75	75	0.0	0.0	0.0
5802091	99	P	SUR	-29	55	217	217	0.0	0.0	0.0
5802227	99	P	SUR	44	-47	670	670	0.0	0.0	0.0
6203680	99	P	SUR	64	-9	61	12	4.9	-5.5	7.4
6203818	99	P	SUR	-30	-50	533	477	3.5	-10.2	10.8

LIST OF SUSPECT STATIONS : DRIFTER
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : SURFACE PRESSURE (HPA)
 (CONTINUED)

WMO IDENT	OBS TIME	ELM	ME LEVEL	LAT	N LONG	N OBS	GROSS	SD	BIAS	RMS
6301517	99	P	SUR	85	-147	196	196	0.0	0.0	0.0
7801693	99	P	SUR	20	168	667	0	0.0	-13.4	13.4
7801770	99	P	SUR	58	-153	620	203	3.4	9.9	10.5
7894570	99	P	SUR	51	-32	143	6	7.2	-0.2	7.2
9456769	99	P	SUR	7	77	47	2	5.0	8.5	9.9

3.2.14 Table 5 - Suspect drifters: Wind speed (m/s)

LIST OF SUSPECT STATIONS : DRIFTER
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND SPEED (M/S)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 20, AND,
 ABSOLUTE BIAS >= 5 M/S, OR,
 % GROSS ERROR >= 25
 (GROSS ERROR LIMIT FOR VECTOR WIND = 25 M/S)

TIME = 99 => AVERAGE OF ALL OBSERVATIONS

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
0000005	99	SPEED	SUR	41	8	257	0	0	6.2	-8.2	10.2
4400073	99	SPEED	SUR	43	-71	245	245	100	0.0	0.0	0.0
44073	99	SPEED	SUR	43	-71	42	42	100	0.0	0.0	0.0
4804181	99	SPEED	SUR	-16	150	663	0	0	2.1	-5.2	5.7

3.2.15 Table 6 - Suspect drifters: Wind direction (degrees)

LIST OF SUSPECT STATIONS : DRIFTER
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND DIRECTION (DEGREES)
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 20 (WIND SPEEDS > 3M/S), AND ,
 ABSOLUTE BIAS >= 20 DEGREES, OR,
 STANDARD DEVIATION >= 60 DEGREES
 (GROSS ERROR LIMIT FOR VECTOR WIND = 25 M/S)

TIME = 99 => AVERAGE OF ALL OBSERVATIONS

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
000023	99	DIRN	SUR	42	12	476	0	0	116.9	-25.5	119.6
2200185	99	DIRN	SUR	37	125	497	0	0	26.3	21.9	34.2
2200193	99	DIRN	SUR	38	124	567	0	0	15.0	39.0	41.8
2300014	99	DIRN	SUR	2	67	102	0	0	18.6	-32.9	37.8
23491	99	DIRN	SUR	12	93	103	0	0	97.3	31.7	102.4
4200035	99	DIRN	SUR	29	-94	2045	0	0	21.4	21.1	30.0
42035	99	DIRN	SUR	29	-94	337	0	0	22.2	21.3	30.7
4400073	99	DIRN	SUR	43	-71	196	245	0	103.2	-49.2	114.3
44073	99	DIRN	SUR	43	-71	34	42	0	93.0	-69.4	116.1
4600012	99	DIRN	SUR	37	-123	489	0	0	28.9	21.8	36.2
4600070	99	DIRN	SUR	55	175	118	0	0	22.4	-132.8	134.7
4600083	99	DIRN	SUR	58	-138	2768	8	0	66.4	3.2	66.5
4600092	99	DIRN	SUR	37	-122	320	0	0	24.6	42.5	49.1
4600120	99	DIRN	SUR	48	-122	914	0	0	22.1	37.7	43.7
4600184	99	DIRN	SUR	54	-139	602	28	0	67.8	0.0	67.8
4600204	99	DIRN	SUR	51	-129	616	38	0	69.5	-7.6	69.9
4600304	99	DIRN	SUR	49	-123	384	0	0	29.2	26.1	39.2
46012	99	DIRN	SUR	37	-123	487	0	0	29.1	21.3	36.1
46083	99	DIRN	SUR	58	-138	454	3	0	65.1	2.0	65.1
46092	99	DIRN	SUR	37	-122	310	0	0	23.7	41.3	47.7
46120	99	DIRN	SUR	48	-122	243	0	0	20.1	37.2	42.3
46184	99	DIRN	SUR	54	-139	600	33	0	67.9	-0.1	67.9
46204	99	DIRN	SUR	51	-129	612	48	0	69.8	-8.4	70.2
46303	99	DIRN	SUR	49	-123	399	0	0	26.2	22.0	34.2
46304	99	DIRN	SUR	49	-123	408	0	0	29.8	25.6	39.2
6100281	99	DIRN	SUR	40	0	438	0	0	39.4	-132.1	137.9
6200086	99	DIRN	SUR	55	7	21	0	0	7.3	23.0	24.1
6600024	99	DIRN	SUR	55	13	346	0	0	20.2	20.7	28.9

3.2.16 Table 7 - Suspect radiosondes: Geopotential height (metres)

LIST OF SUSPECT STATIONS : RADIOSONDES
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : GEOPOTENTIAL HEIGHT (METRES)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: AT LEAST 3 LEVELS WITH
 10 OBS AND 100 M WEIGHTED RMS

ONLY THE WORST LEVEL IS SHOWN (WITH UNWEIGHTED RMS)

WMO IDENT	OBS TIME	ELM	LEV	LAT	LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
01400	12	Z	1000	57	3	26	0	7.7	73.1	73.5
01400	00	Z	1000	57	3	26	0	3.8	72.2	72.3
12120	00	Z	400	55	18	26	1	55.7	-10.8	56.7
29282	00	Z	200	58	97	28	0	50.5	-63.2	80.9
30557	12	Z	200	54	114	26	0	67.8	56.4	88.2
31770	00	Z	250	49	140	28	0	55.6	69.4	88.9
40766	00	Z	300	34	47	16	15	0.0	-198.4	198.4
40811	12	Z	70	31	49	16	6	126.5	126.6	179.0
65344	12	Z	1000	6	2	20	0	5.0	30.9	31.3
76644	12	Z	850	21	-90	25	0	4.3	31.1	31.4
91680	12	Z	925	-18	177	27	0	2.7	35.7	35.8
91680	00	Z	1000	-18	177	27	0	4.4	32.2	32.5
USOHS	00	Z	925	40	-83	10	2	28.1	-31.1	41.9
YLV96W	12	Z	1000	55	-13	10	1	30.5	8.2	31.6

3.2.17 Table 8 - Suspect radiosondes: Wind (m/s)

LIST OF SUSPECT STATIONS : RADIOSONDES
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND (M/S)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: AT LEAST 10 OBS AND 15 M/S RMS VECTOR WIND

STANDARD LEVEL (1000-100 HPA) WITH HIGHEST RMS IS SHOWN

WMO IDENT	OBS TIME	ELM	LEV	LAT	LONG	NUM OBS	NUM GROSS	UBIAS	VBIAS	RMS
27459	12	V	850	56	44	15	2	-4.0	-5.0	18.5
40811	12	V	925	31	49	9	1	7.4	-1.4	16.3
48327	00	V	100	19	99	15	0	-7.3	-17.7	24.4

3.2.18 Table 9 - Suspect radiosondes: Wind direction (degrees)

LIST OF SUSPECT STATIONS : RADIOSONDES
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND DIRECTION (DEGREES)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

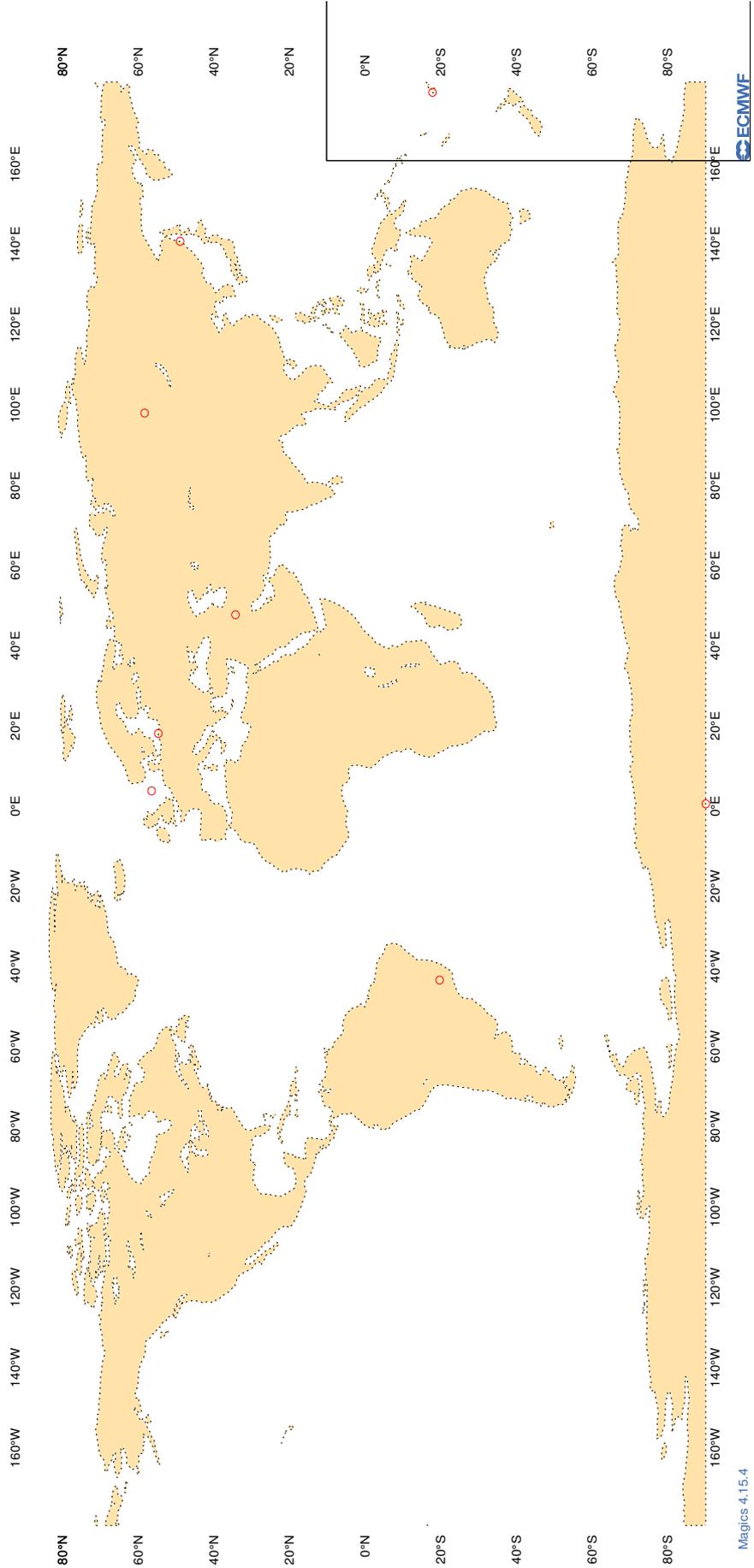
SELECTION CRITERIA: OBSERVED/FORECAST WIND SPEEDS \geq 5 M/S
 NO. OF OBSERVATIONS \geq 5, AND,
 ABSOLUTE BIAS \geq 10 DEGREES, WITH
 STANDARD DEVIATION $<$ 30 DEGREES, AND,
 VERTICAL SPREAD $<$ 10 DEGREES
 (AVERAGE BETWEEN 500 AND 150 HPA)

WMO IDENT	OBS TIME	ELM	LAT	LONG	NUM OBS	BIAS	MAX SPREAD	SD
48327	00	DD	19	99	24	-81.5	1.9	22.6
48568	00	DD	7	101	15	-12.8	8.4	11.6

3.2.19 Figure 10 - Suspect TEMP observations - geopotential : 00 UTC

Figure 10

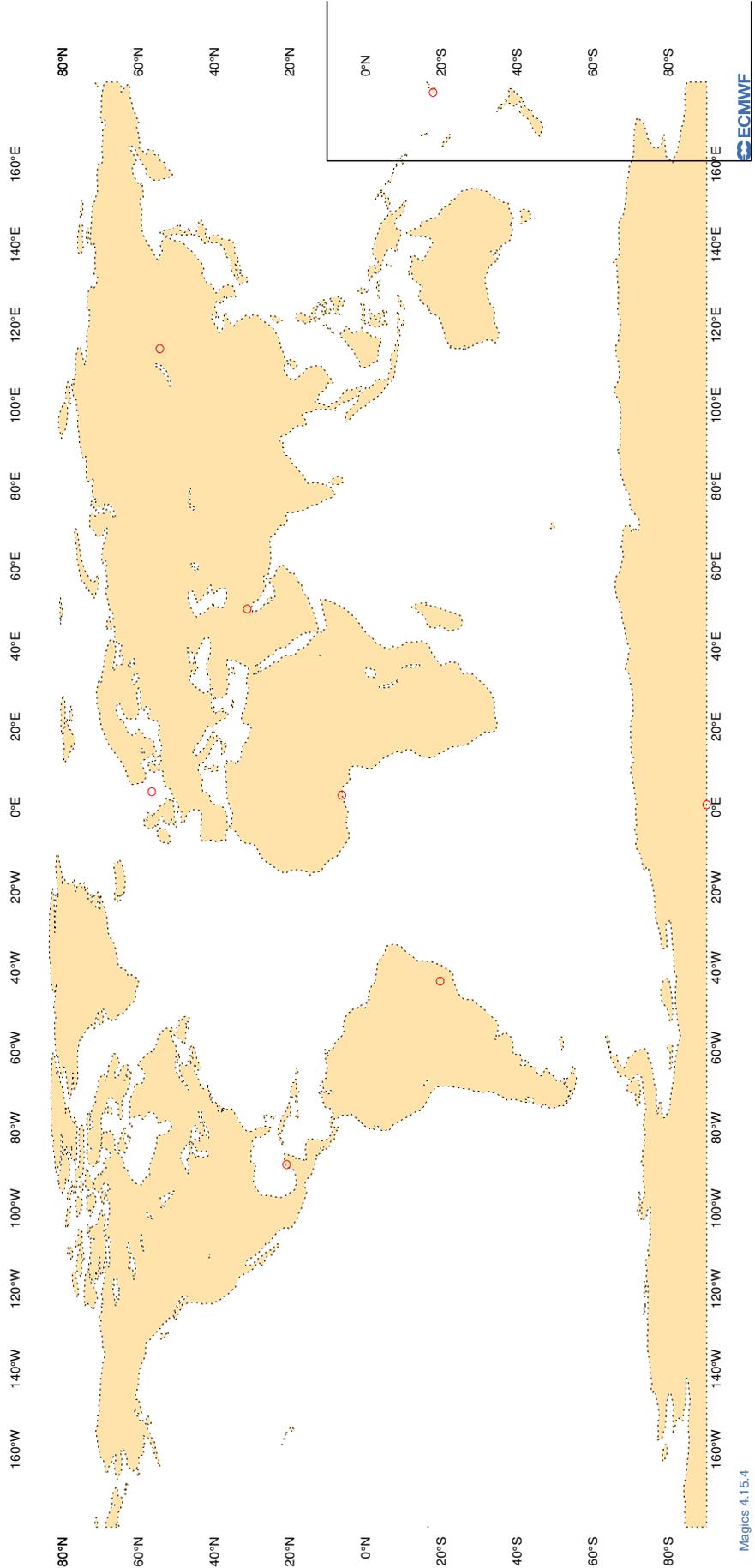
ECMWF Monitoring Statistics - FEB 2026 00 UTC
Suspect TEMP observations - GEOPOTENTIAL



3.2.20 Figure 11 - Suspect TEMP observations - geopotential : 12 UTC

Figure 11

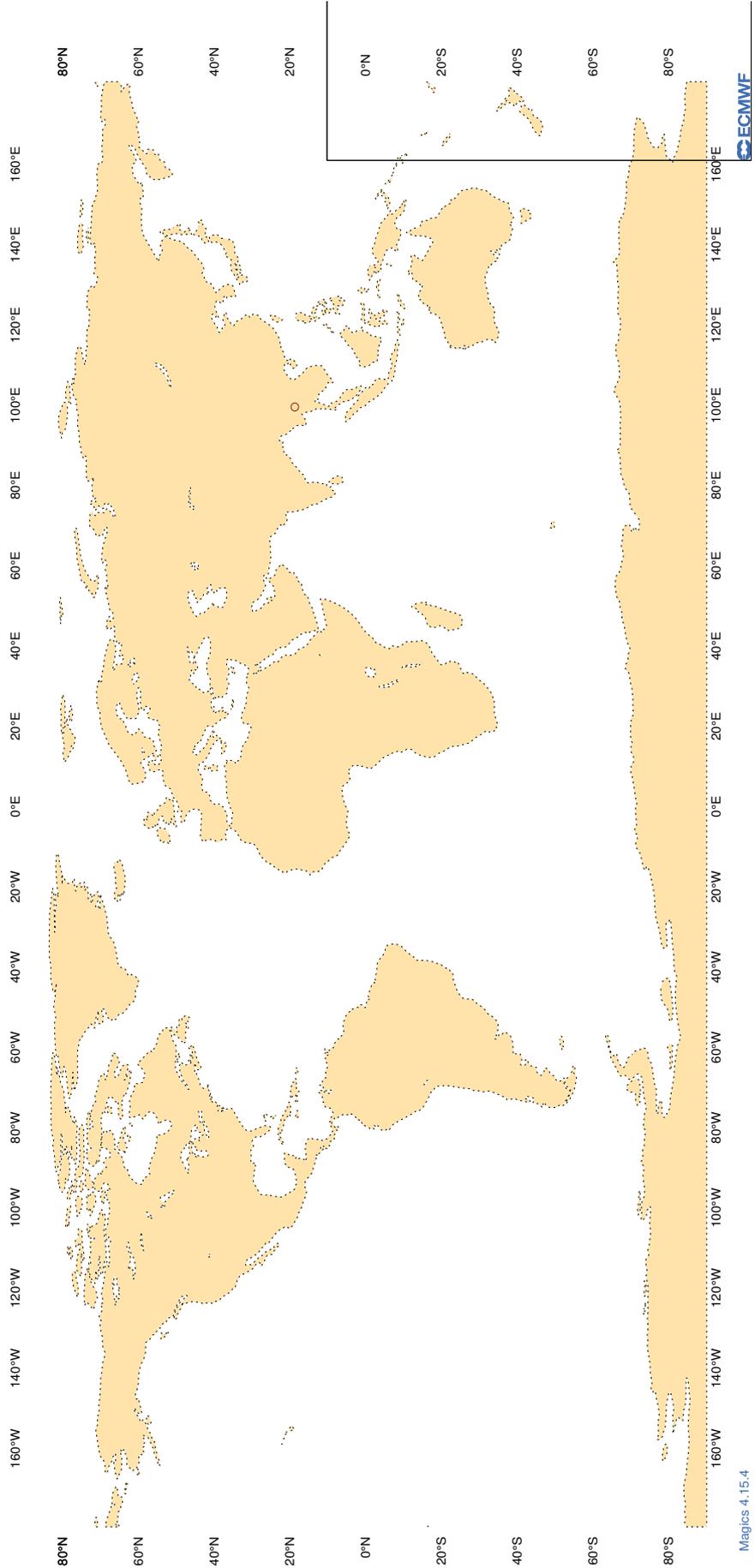
ECMWF Monitoring Statistics - FEB 2026 12 UTC
Suspect TEMP observations - GEOPOTENTIAL



3.2.21 Figure 12 - Suspect TEMP/PILOT observations - wind : 00 UTC

Figure 12

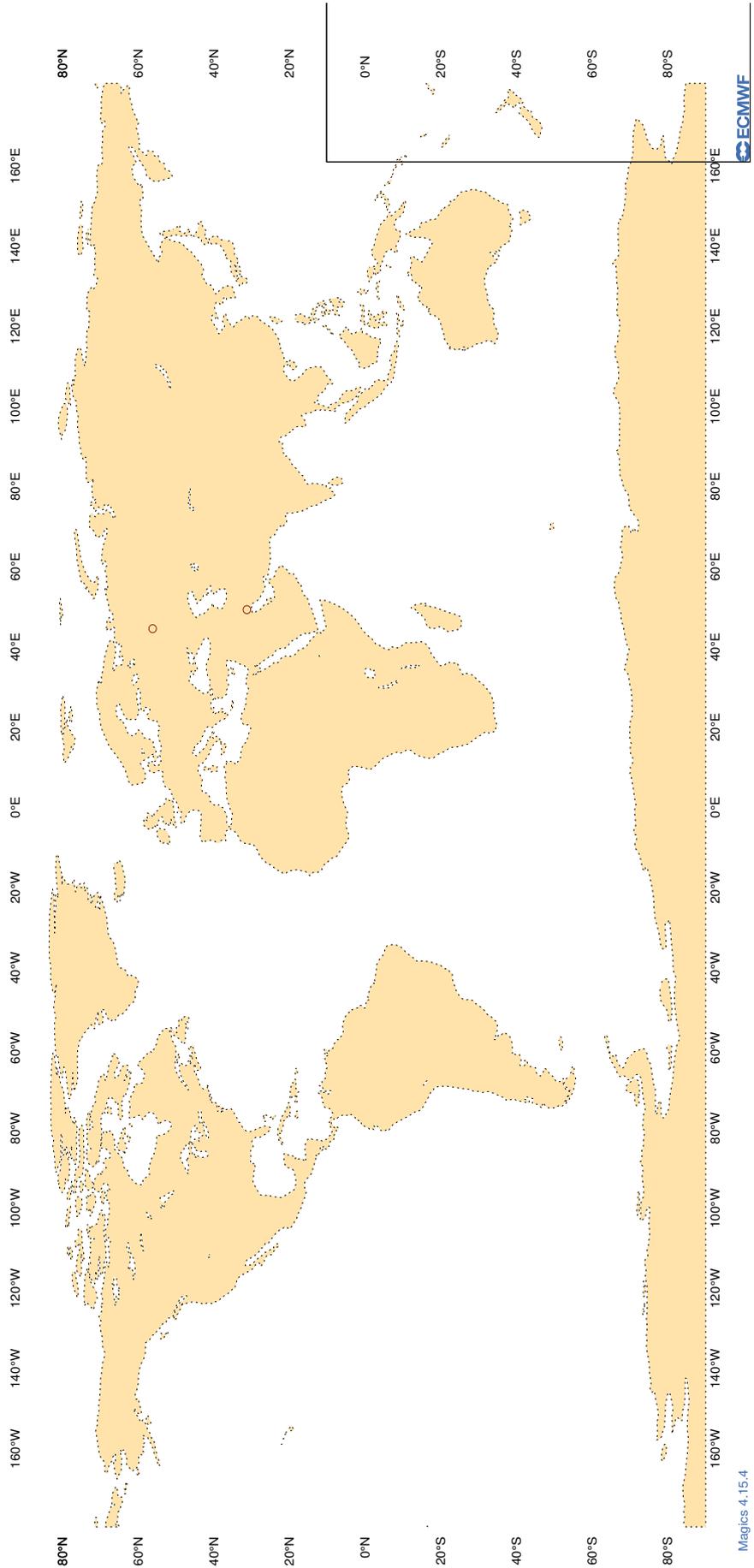
ECMWF Monitoring Statistics - FEB 2026 00 UTC
Suspect TEMP/PILOT observations - WIND



3.2.22 Figure 13 - Suspect TEMP/PILOT observations - wind : 12 UTC

Figure 13

ECMWF Monitoring Statistics - FEB 2026 12 UTC
Suspect TEMP/PILOT observations - WIND



3.2.23 Table 10 - Radiosonde monitoring statistics (SHIPS): Geopotential height (metres)

RADIOSONDE MONITORING STATISTICS (SHIPS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : GEOPOTENTIAL HEIGHT (METRES)
 LEVEL : 100 HPA
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
2TDJJ8	12	Z	100	24	16.6	15.4
7JUN4	12	Z	100	3	97.4	95.9
7JUN4	00	Z	100	3	12.3	-9.4
9ZT9MR	12	Z	100	7	27.5	-26.0
9ZT9MR	00	Z	100	11	26.5	-24.4
ATGU3F	12	Z	100	9	23.9	-20.2
ATGU3F	00	Z	100	10	26.0	-23.9
CAPRA	00	Z	100	0	0.0	0.0
CAPRA	12	Z	100	0	0.0	0.0
CAUBC	00	Z	100	1	24.9	24.9
DEN	12	Z	100	1	129.6	129.6
DEN	00	Z	100	0	0.0	0.0
GKA32C	12	Z	100	9	17.4	-14.5
GKA32C	00	Z	100	9	15.7	-13.9
JNKN7J	12	Z	100	5	26.6	24.3
JNKN7J	00	Z	100	8	31.6	30.0
KMPLHP	12	Z	100	10	21.1	8.1
KMPLHP	00	Z	100	13	12.2	-6.3
LAGY8	12	Z	100	3	38.3	-38.0
LAGZ8	12	Z	100	2	71.8	71.6
LAR	12	Z	100	0	0.0	0.0
LAR	00	Z	100	1	103.4	103.4
LRVQE3	12	Z	100	10	23.1	7.6
LRVQE3	00	Z	100	7	17.1	-14.1
PTEVO	12	Z	100	1	10.4	10.4
TLH	12	Z	100	1	157.6	157.6
TLH	00	Z	100	1	81.3	81.3
USALY	00	Z	100	9	19.8	10.6
USBOD	00	Z	100	3	18.1	-3.5
USBOD	12	Z	100	4	9.7	-3.1
USCAT	12	Z	100	2	7.2	6.4
USCLL	00	Z	100	24	8.7	5.5
USCOU	00	Z	100	13	71.4	-20.2
USCOU	12	Z	100	1	4.2	-4.2
USGHC	12	Z	100	2	14.1	-13.1
USGHC	00	Z	100	2	0.8	0.8
USIUB	00	Z	100	1	23.4	23.4
USIUB	12	Z	100	0	0.0	0.0
USOHS	00	Z	100	0	0.0	0.0

RADIOSONDE MONITORING STATISTICS (SHIPS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
USOSU	00	Z	100	12	14.9	11.2
USSIO	00	Z	100	0	0.0	0.0
USSIO	12	Z	100	0	0.0	0.0
USSOM	00	Z	100	17	36.8	-17.9
USUND	12	Z	100	0	0.0	0.0
USUND	00	Z	100	8	16.0	-6.0
USVAL	12	Z	100	0	0.0	0.0
USVAL	00	Z	100	10	19.4	16.8
USVPI	00	Z	100	2	16.7	12.2
USYUB	00	Z	100	4	18.7	-17.7
USYUB	12	Z	100	4	29.0	-26.8
WDK38H	12	Z	100	9	18.1	-17.7
WFF	12	Z	100	2	182.0	180.5
WFF	00	Z	100	0	0.0	0.0
YLV96W	12	Z	100	9	65.5	40.9
YLV96W	00	Z	100	7	37.3	10.5
ZVQEQC	12	Z	100	8	9.3	8.0

3.2.24 Table 11 - Radiosonde monitoring statistics (SHIPs): Wind (m/s)

RADIOSONDE MONITORING STATISTICS (SHIPS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND (M/S)
 LEVEL : 100 HPA
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OB TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
2TDJJ8	12	V	100	19	3.3	0.8	-0.2
7JUN4	12	V	100	3	4.8	1.8	-1.8
7JUN4	00	V	100	3	1.1	-0.3	-0.5
9ZT9MR	12	V	100	7	1.1	0.1	0.2
9ZT9MR	00	V	100	11	2.5	-0.7	-0.3
ATGU3F	12	V	100	9	2.2	0.2	-0.2
ATGU3F	00	V	100	10	1.8	0.0	-0.1
CAPRA	00	V	100	0	0.0	0.0	0.0
CAPRA	12	V	100	0	0.0	0.0	0.0
CAUBC	00	V	100	1	5.5	5.4	1.0
DEN	12	V	100	1	3.3	2.1	2.6
DEN	00	V	100	0	0.0	0.0	0.0
GKA32C	12	V	100	9	3.9	-0.6	-0.9
GKA32C	00	V	100	9	4.4	0.1	-0.1
JNKN7J	12	V	100	5	2.9	0.6	-0.3
JNKN7J	00	V	100	8	2.8	-0.3	1.7
KMPLHP	12	V	100	10	2.8	-0.3	0.8
KMPLHP	00	V	100	13	4.1	0.6	1.9
LAGY8	12	V	100	3	3.2	0.9	0.3
LAGZ8	12	V	100	2	3.0	2.2	-0.9
LAR	12	V	100	0	0.0	0.0	0.0
LAR	00	V	100	1	7.5	6.5	-3.7
LRVQE3	12	V	100	9	3.3	0.5	0.3
LRVQE3	00	V	100	7	3.5	1.9	0.7
PTEVO	12	V	100	1	2.1	-1.6	1.4
TLH	12	V	100	1	3.7	-3.5	1.3
TLH	00	V	100	1	1.3	1.0	0.8
USALY	00	V	100	7	3.6	-1.6	-0.1
USBOD	00	V	100	2	3.1	-1.5	-0.4
USBOD	12	V	100	2	7.0	-4.3	-0.2
USCAT	12	V	100	1	5.1	0.4	-5.1
USCLL	00	V	100	13	3.8	-0.3	-0.4
USCOU	00	V	100	7	2.3	0.5	0.2
USCOU	12	V	100	1	4.4	2.8	-3.4
USGHC	12	V	100	1	3.7	-3.5	-1.1
USGHC	00	V	100	2	1.6	-0.1	0.3
USIUB	00	V	100	1	3.2	1.2	3.0
USIUB	12	V	100	0	0.0	0.0	0.0
USOHS	00	V	100	0	0.0	0.0	0.0

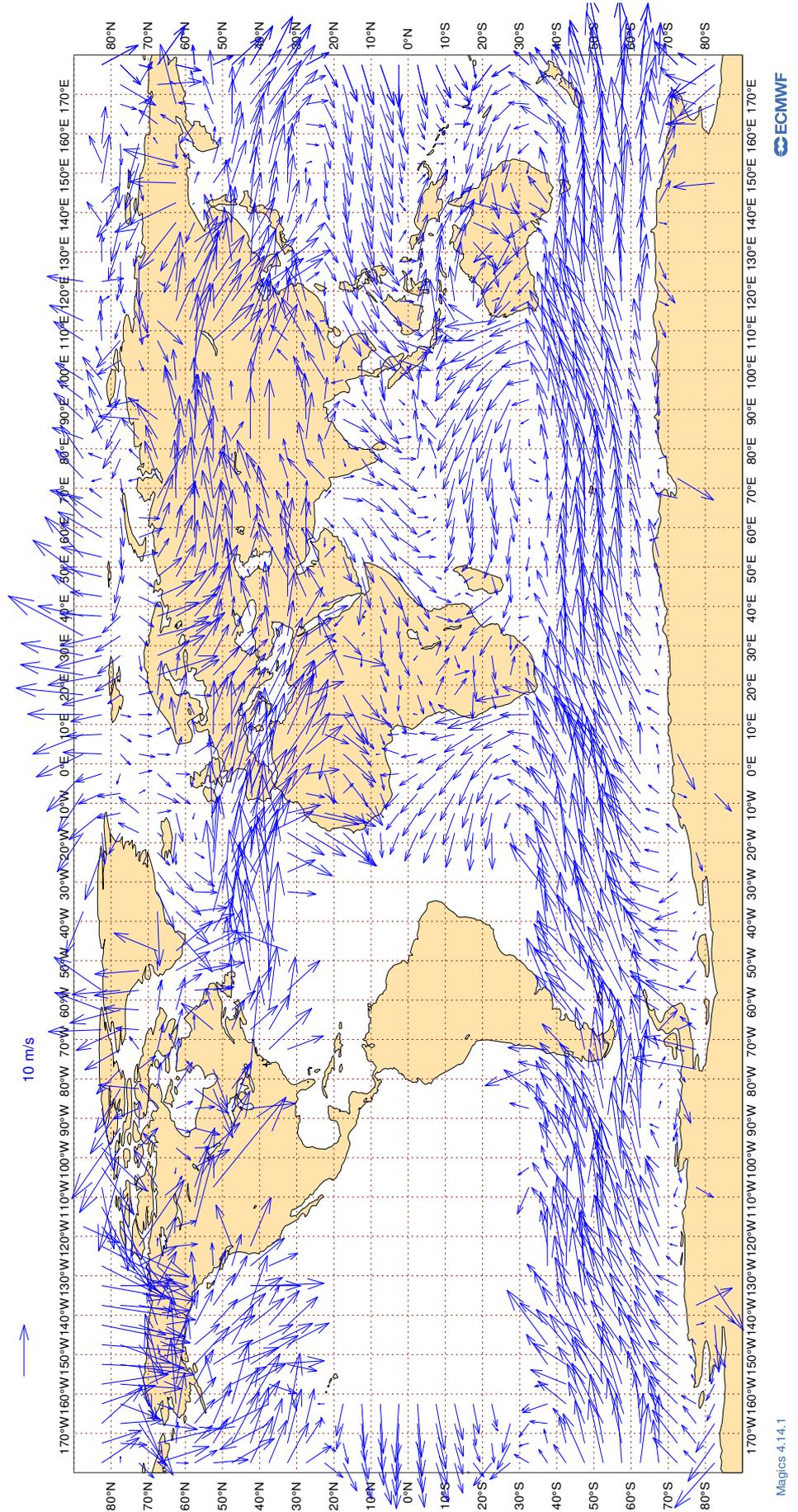
RADIOSONDE MONITORING STATISTICS (SHIPS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
USOSU	00	V	100	7	4.6	-1.9	1.7
USSIO	00	V	100	0	0.0	0.0	0.0
USSIO	12	V	100	0	0.0	0.0	0.0
USSOM	00	V	100	11	5.8	-2.9	1.7
USUND	12	V	100	0	0.0	0.0	0.0
USUND	00	V	100	5	2.4	1.4	-0.1
USVAL	12	V	100	0	0.0	0.0	0.0
USVAL	00	V	100	6	6.3	-0.3	2.0
USVPI	00	V	100	2	3.9	3.2	-2.1
USYUB	00	V	100	3	3.6	0.0	-3.0
USYUB	12	V	100	2	4.3	-3.6	0.1
WDK38H	12	V	100	7	2.0	1.1	-0.1
WFF	12	V	100	2	3.6	2.6	-0.9
WFF	00	V	100	0	0.0	0.0	0.0
YLV96W	12	V	100	9	2.5	0.0	1.1
YLV96W	00	V	100	7	2.1	0.2	-0.6
ZVQEQC	12	V	100	8	3.5	-0.2	1.0

3.2.25 Figure 14 - SATOB Winds: 700-1000hPa

Figure 14

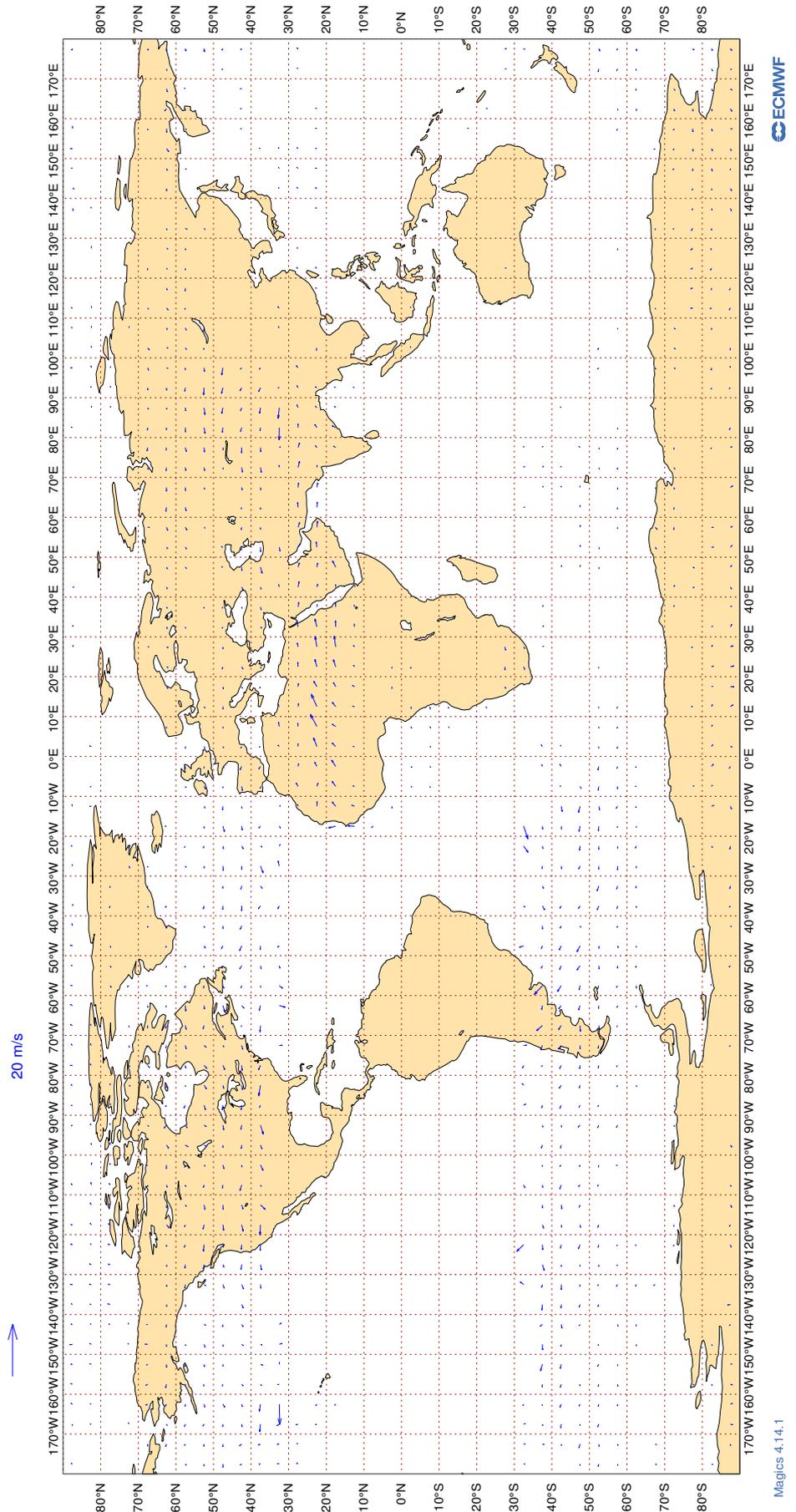
ECMWF Monitoring Statistics: Feb 2026
AMV Winds: 700-1000hPa
Mean Observed Wind



3.2.26 Figure 15 - SATOB Winds: 150- 400hPa

Figure 15

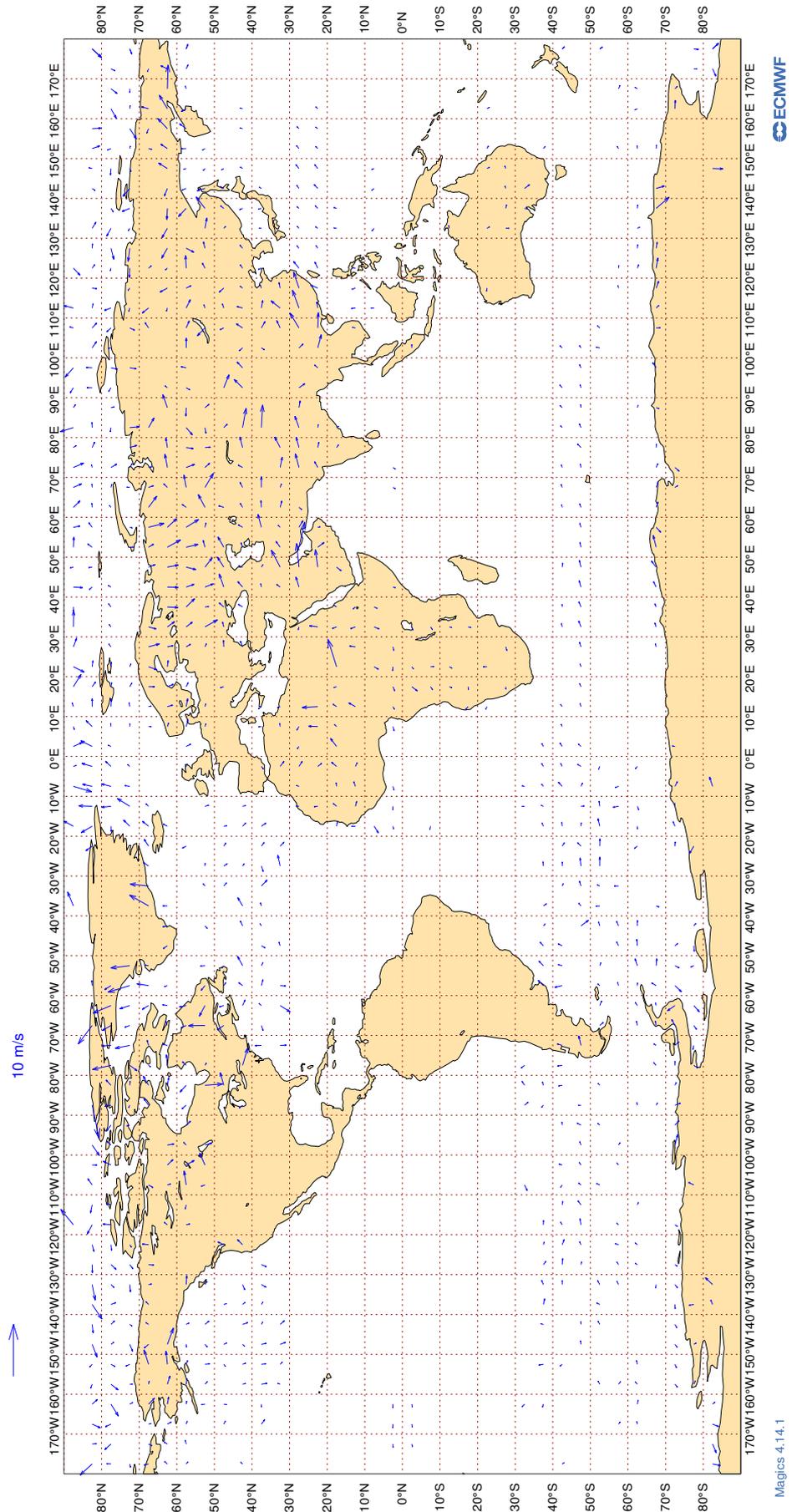
ECMWF Monitoring Statistics: Feb 2026
AMV Winds: 150- 400hPa
Wind bias: Observation - FG



3.2.27 Figure 16 - SATOB Winds: 700-1000hPa

Figure 16

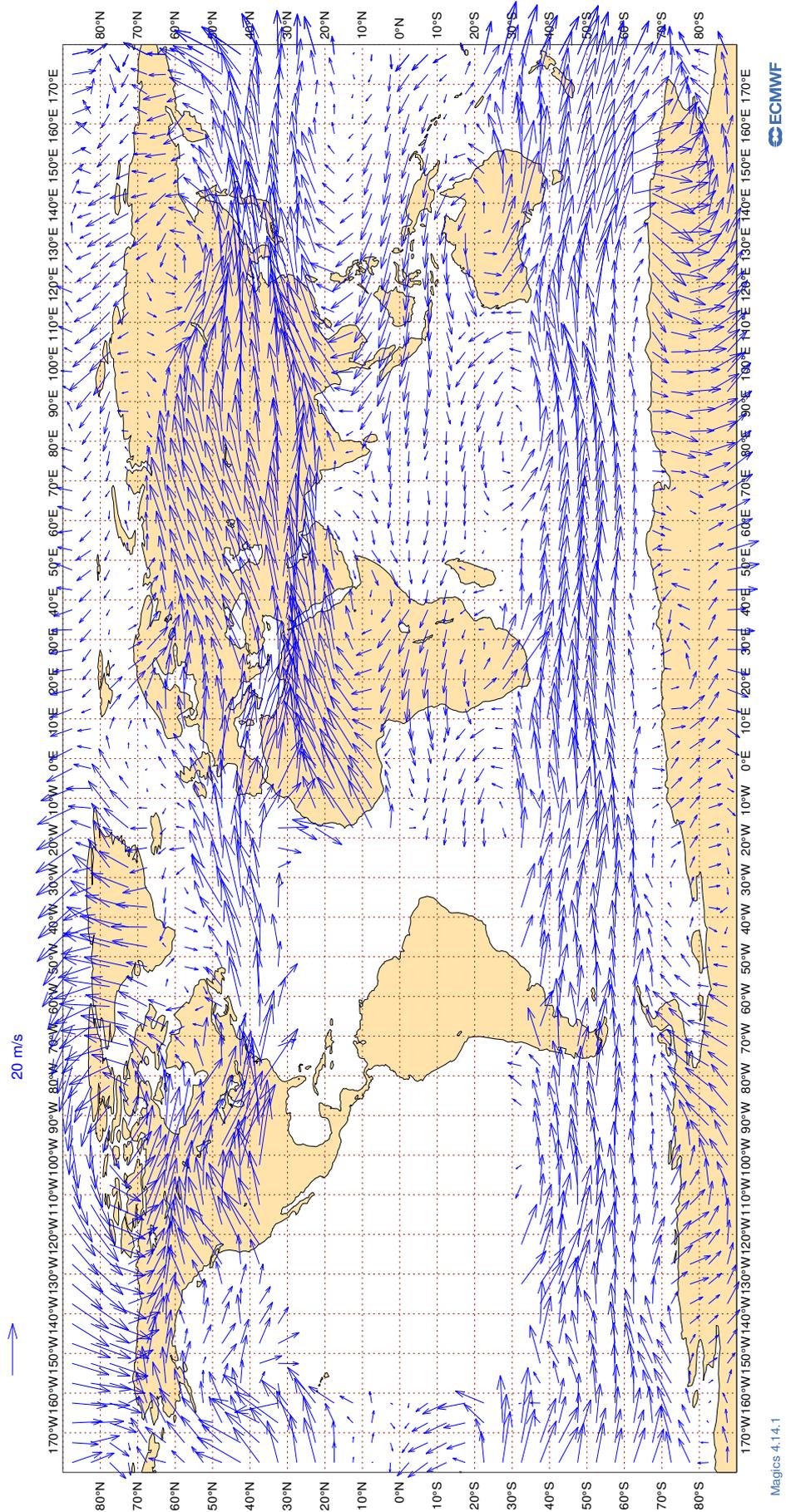
ECMWF Monitoring Statistics: Feb 2026
AMV Winds: 700-1000hPa
Wind bias: Observation - FG



3.2.28 Figure 17 - SATOB Winds: 150- 400hPa

Figure 17

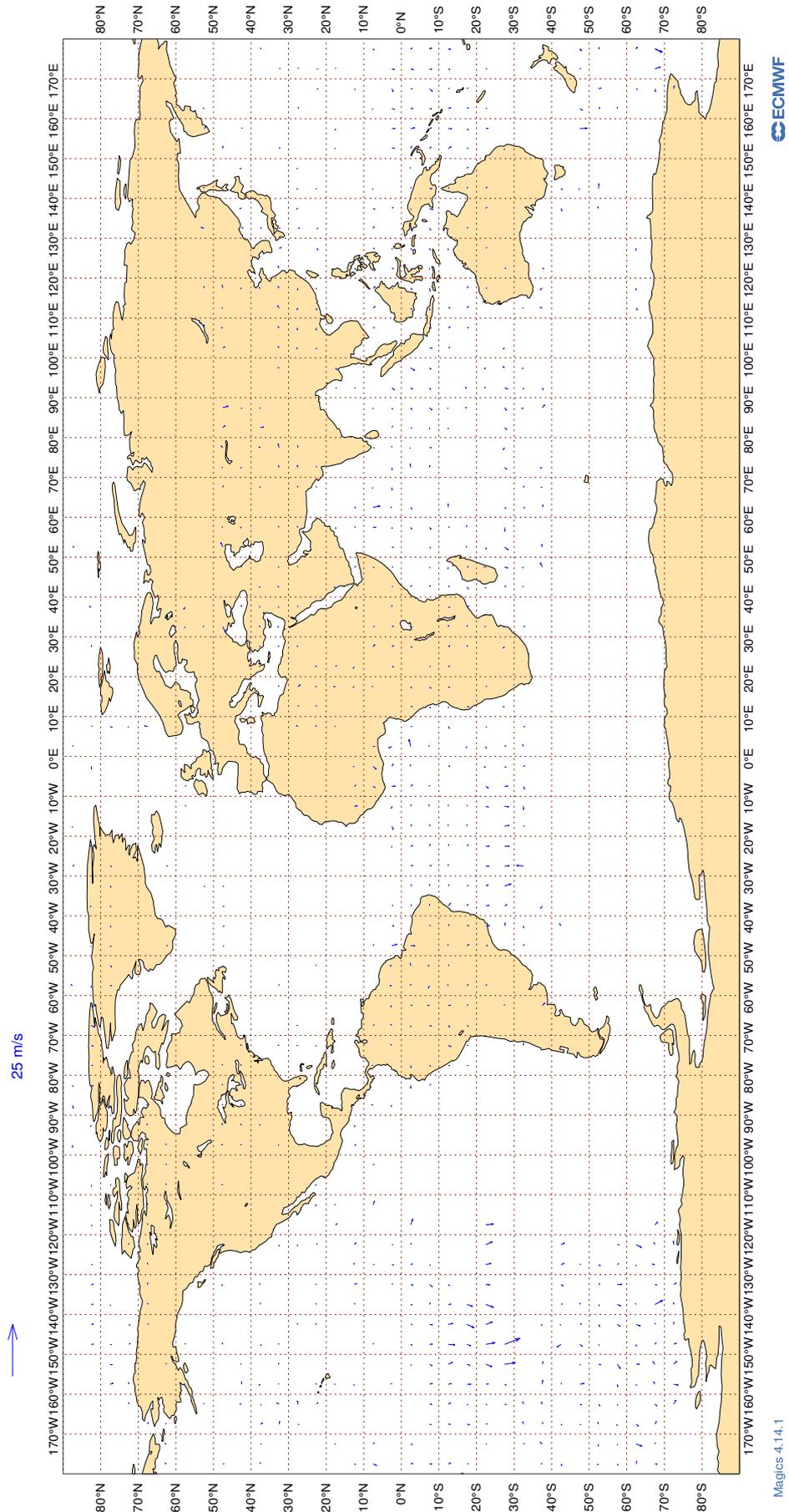
ECMWF Monitoring Statistics: Feb 2026
AMV Winds: 150- 400hPa
Mean Observed Wind



3.2.29 Figure 18 - AIRCRAFT Winds: 150- 300hPa

Figure 18

ECMWF Monitoring Statistics: Feb 2026
Aircraft Winds: 150- 300hPa
Wind bias: Observation - FG



3.2.30 Table 12 - Airep Monitoring Statistics For Airline Carriers (Global)

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : VECTOR WIND (M/S)
 AREA : GLOBAL
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

SELECTION CRITERIA: NO. OF OBS. >= 20

TIME = 99 => AVERAGE OF ALL OBSERVATIONS
 GROSS ERROR LIMIT ON VECTOR WIND = 40 M/S

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
AAE	99	V	300-150	358	0	0	3.4	0.7
AAL	99	V	300-150	31179	2	0	5.4	0.1
ABD	99	V	300-150	558	0	0	3.7	-0.6
ABY	99	V	300-150	69	0	0	2.1	0.0
ACA	99	V	300-150	21417	1	0	4.5	0.1
ACI	99	V	300-150	443	0	0	4.1	0.3
AEA	99	V	300-150	563	3	0	6.3	0.2
AFR	99	V	300-150	29222	0	0	3.9	0.2
AIC	99	V	300-150	5397	0	0	4.1	0.2
AIH	99	V	300-150	150	0	0	4.0	-1.0
AIZ	99	V	300-150	409	0	0	3.0	0.2
AJT	99	V	300-150	109	0	0	3.7	0.4
ALK	99	V	300-150	35	0	0	3.4	0.6
AMQ	99	V	300-150	33	0	0	4.3	-0.9
AMX	99	V	300-150	4666	7	0	6.3	0.0
ANA	99	V	300-150	174	2	0	3.3	0.6
ANZ	99	V	300-150	14303	0	0	3.8	0.3
AOJ	99	V	300-150	95	0	0	3.1	0.6
ASA	99	V	300-150	1090	1	0	5.2	0.5
ASL	99	V	300-150	387	0	0	3.2	0.2

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
ASY	99	V	300-150	39	0	3	3.3	-0.6
ATN	99	V	300-150	426	0	0	4.2	-0.2
AUA	99	V	300-150	3326	2	0	5.4	0.0
AUH	99	V	300-150	70	0	0	3.9	-0.3
AVA	99	V	300-150	725	5	0	4.7	0.0
AVL	99	V	300-150	60	0	0	2.8	-0.1
AWC	99	V	300-150	139	0	0	3.3	0.0
AXB	99	V	300-150	33	0	0	2.8	-0.3
AZG	99	V	300-150	869	0	0	3.9	0.4
BAH	99	V	300-150	34	0	0	3.2	-0.2
BAW	99	V	300-150	41616	1	0	4.7	0.1
BBC	99	V	300-150	346	5	0	7.6	-0.2
BCS	99	V	300-150	1474	0	0	2.9	0.2
BEL	99	V	300-150	529	0	0	3.4	0.3
BFD	99	V	300-150	32	0	0	2.6	0.5
BFF	99	V	300-150	47	0	0	8.9	4.0
BFY	99	V	300-150	25	0	0	4.0	-0.3
BLU	99	V	300-150	104	0	0	5.5	1.8
BLX	99	V	300-150	895	2	0	6.2	0.4
BOX	99	V	300-150	4301	0	0	3.3	0.1
BOX	99	V	300-150	36	0	0	3.3	-0.6
BRK	99	V	300-150	48	0	0	8.7	0.6
BRS	99	V	300-150	30	0	0	2.2	-0.3
BTX	99	V	300-150	75	0	0	3.9	-0.5
BVR	99	V	300-150	50	0	0	3.1	0.5
CAL	99	V	300-150	1127	0	0	4.1	0.6
CAO	99	V	300-150	350	0	0	2.6	0.2
CBJ	99	V	300-150	398	0	0	2.8	0.2
CCA	99	V	300-150	918	0	0	2.7	0.2
CEB	99	V	300-150	547	0	0	2.3	0.1
CES	99	V	300-150	2021	0	0	3.2	0.3
CFC	99	V	300-150	259	0	0	4.0	0.2
CFG	99	V	300-150	4688	0	0	3.5	0.2
CHG	99	V	300-150	438	0	0	3.4	-0.3
CHH	99	V	300-150	423	5	0	4.2	0.0
CJT	99	V	300-150	226	0	0	3.7	-0.3
CKK	99	V	300-150	73	0	0	2.3	0.3
CKS	99	V	300-150	1196	0	0	3.4	0.0
CLE	99	V	300-150	25	0	0	3.4	0.2
CLX	99	V	300-150	3718	0	0	3.6	-0.5
CMB	99	V	300-150	1089	0	0	3.8	0.1
CND	99	V	300-150	396	0	0	4.3	0.7
CNV	99	V	300-150	146	0	0	3.7	0.4

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
CPA	99	V	300-150	3285	0	0	3.1	-0.1
CRL	99	V	300-150	1014	0	0	3.4	0.3
CSC	99	V	300-150	652	0	0	2.8	0.2
CSG	99	V	300-150	118	1	0	2.4	-0.2
CSN	99	V	300-150	514	1	0	3.0	0.1
CSS	99	V	300-150	41	0	0	2.5	-0.5
CSZ	99	V	300-150	80	0	0	2.5	0.0
CTM	99	V	300-150	91	0	0	3.0	0.1
CUB	99	V	300-150	21	0	0	6.1	0.0
CWG	99	V	300-150	34	0	0	2.9	0.4
CXA	99	V	300-150	68	0	0	2.7	-0.1
DAH	99	V	300-150	749	0	0	3.5	0.2
DAL	99	V	300-150	39602	0	0	3.2	0.1
DCM	99	V	300-150	41	0	0	2.8	-0.1
DCS	99	V	300-150	47	0	0	3.1	0.7
DCW	99	V	300-150	46	0	0	2.7	0.5
DHK	99	V	300-150	2687	0	0	3.3	-0.2
DHX	99	V	300-150	106	0	0	3.8	0.3
DJT	99	V	300-150	1401	0	0	3.5	0.4
DLH	99	V	300-150	18484	1	0	4.2	0.0
DSO	99	V	300-150	34	0	0	3.3	-0.1
DUB	99	V	300-150	58	0	0	3.2	0.7
DWC	99	V	300-150	77	0	0	3.2	0.2
EAL	99	V	300-150	33	0	0	3.5	-0.9
EAU	99	V	300-150	20	0	0	5.2	0.4
EDC	99	V	300-150	33	0	0	3.5	-0.4
EDW	99	V	300-150	1474	0	0	4.7	0.4
EIN	99	V	300-150	13097	0	0	3.1	0.2
EJM	99	V	300-150	651	0	0	3.0	0.3
ELY	99	V	300-150	4067	6	0	7.1	0.0
ETD	99	V	300-150	7697	1	0	4.6	0.1
ETH	99	V	300-150	2956	1	0	5.3	-0.1
EUK	99	V	300-150	1185	0	0	3.0	0.3
EVA	99	V	300-150	803	4	0	8.4	2.1
EVE	99	V	300-150	300	0	0	3.5	0.7
EXS	99	V	300-150	4431	0	0	3.4	-0.1
EZY	99	V	300-150	276	0	0	2.9	0.0
FAD	99	V	300-150	20	0	0	2.2	-0.2
FBU	99	V	300-150	1740	0	0	3.5	0.2
FDX	99	V	300-150	7695	0	0	3.8	0.1
FEX	99	V	300-150	30	0	0	3.3	0.0
FIN	99	V	300-150	2571	0	0	3.0	0.0
FJI	99	V	300-150	2624	0	0	4.1	0.4

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
FJO	99	V	300-150	68	0	0	2.8	0.6
FWI	99	V	300-150	2481	0	0	3.5	0.1
FYG	99	V	300-150	60	0	0	3.3	-0.6
FYL	99	V	300-150	54	0	0	5.4	2.4
GAF	99	V	300-150	218	0	0	3.0	0.1
GBG	99	V	300-150	85	0	0	2.8	0.0
GCK	99	V	300-150	164	0	0	2.9	-0.1
GEC	99	V	300-150	840	0	0	3.4	0.1
GES	99	V	300-150	115	0	0	3.7	0.5
GFA	99	V	300-150	1045	2	0	7.4	-0.1
GIA	99	V	300-150	104	0	0	3.9	0.8
GJE	99	V	300-150	28	0	0	2.8	-0.6
GJI	99	V	300-150	31	0	0	3.1	-0.3
GJW	99	V	300-150	22	0	0	3.2	0.2
GLH	99	V	300-150	49	0	0	2.6	0.6
GNJ	99	V	300-150	21	0	0	2.8	1.0
GOL	99	V	300-150	76	0	0	4.3	-0.2
GSM	99	V	300-150	38	0	0	3.3	0.4
GTI	99	V	300-150	2737	0	0	3.7	-0.2
GTR	99	V	300-150	272	0	0	3.7	0.2
HAF	99	V	300-150	26	0	0	4.6	-0.7
HGO	99	V	300-150	174	0	0	2.5	-0.6
HIM	99	V	300-150	51	0	0	2.5	0.1
HKC	99	V	300-150	238	0	0	2.9	-0.2
HLF	99	V	300-150	42	0	0	2.8	-0.1
HPJ	99	V	300-150	31	0	0	4.4	-0.7
HRT	99	V	300-150	120	0	0	3.7	0.2
HTT	99	V	300-150	289	0	0	8.9	1.8
HUE	99	V	300-150	68	0	0	4.4	0.2
HUF	99	V	300-150	120	0	0	3.7	0.3
HVN	99	V	300-150	1290	1	0	3.9	0.4
HYP	99	V	300-150	47	0	0	3.5	0.0
HYS	99	V	300-150	141	0	0	2.7	0.4
IAM	99	V	300-150	80	0	0	3.2	0.3
IBE	99	V	300-150	4825	0	0	3.5	0.2
ICE	99	V	300-150	8566	0	0	2.9	0.1
ICL	99	V	300-150	429	0	0	3.4	-0.1
ICV	99	V	300-150	92	0	0	4.1	-0.8
IFA	99	V	300-150	585	0	0	3.4	0.2
IFC	99	V	300-150	49	0	0	3.0	0.3
IGA	99	V	300-150	99	0	0	4.2	0.3
IGO	99	V	300-150	49	10	0	26.6	24.8
IJM	99	V	300-150	106	0	0	3.9	-0.1

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
ITY	99	V	300-150	3251	0	0	3.2	0.3
JAL	99	V	300-150	537	0	0	3.7	-0.1
JAS	99	V	300-150	83	29	0	10.8	0.2
JBD	99	V	300-150	22	0	0	4.5	1.2
JBU	99	V	300-150	5242	0	0	3.4	0.4
JCO	99	V	300-150	120	0	0	3.3	0.1
JCT	99	V	300-150	31	0	0	3.5	1.4
JCY	99	V	300-150	34	0	0	3.4	-0.2
JDI	99	V	300-150	75	0	0	2.8	1.0
JEN	99	V	300-150	68	0	0	2.9	0.1
JET	99	V	300-150	33	0	0	3.9	0.0
JME	99	V	300-150	34	0	0	2.5	0.1
JNJ	99	V	300-150	26	0	0	3.8	1.9
JNY	99	V	300-150	50	0	0	3.6	0.3
JST	99	V	300-150	1710	0	0	3.6	0.2
KAC	99	V	300-150	2010	0	0	3.6	0.4
KAF	99	V	300-150	47	0	0	5.1	-0.1
KAI	99	V	300-150	104	1	0	4.5	0.5
KAL	99	V	300-150	529	0	0	3.5	0.1
KAY	99	V	300-150	83	0	0	2.7	0.2
KCE	99	V	300-150	47	0	0	3.0	0.1
KFE	99	V	300-150	60	0	0	3.4	-0.3
KIW	99	V	300-150	109	0	0	4.0	0.0
KLM	99	V	300-150	17238	3	0	5.5	0.1
KOC	99	V	300-150	81	0	0	3.1	0.2
KPO	99	V	300-150	64	0	2	4.5	-1.1
KQA	99	V	300-150	113	12	0	10.3	-0.9
KUG	99	V	300-150	33	0	0	2.9	0.4
LCO	99	V	300-150	488	0	0	4.6	-1.2
LDX	99	V	300-150	80	0	0	3.2	0.2
LEX	99	V	300-150	30	0	0	3.6	0.0
LNK	99	V	300-150	34	0	0	3.0	0.5
LOT	99	V	300-150	3626	3	0	6.3	0.3
LSI	99	V	300-150	191	0	0	2.6	0.1
LUA	99	V	300-150	40	0	0	6.1	-0.4
LVL	99	V	300-150	1310	0	0	3.4	-0.2
LXJ	99	V	300-150	728	0	0	3.0	0.5
MAS	99	V	300-150	3074	0	0	3.0	0.2
MED	99	V	300-150	63	0	0	2.8	-0.2
MFX	99	V	300-150	191	6	1	8.3	2.1
MJF	99	V	300-150	35	0	0	2.6	0.5
MLM	99	V	300-150	127	0	0	3.3	0.0
MMD	99	V	300-150	241	0	0	2.8	0.0

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
MMF	99	V	300-150	64	0	0	3.5	0.2
MMZ	99	V	300-150	71	0	0	3.8	0.3
MNB	99	V	300-150	692	0	0	3.2	0.1
MPH	99	V	300-150	287	0	0	4.0	-0.6
MSR	99	V	300-150	2004	3	0	5.0	0.1
MVJ	99	V	300-150	23	0	0	2.7	-0.5
MXD	99	V	300-150	213	0	0	2.8	-0.2
NBT	99	V	300-150	988	1	0	4.4	0.3
NCR	99	V	300-150	757	0	0	3.4	-0.2
NEW	99	V	300-150	71	0	0	3.4	0.6
NJE	99	V	300-150	564	0	0	3.3	0.1
NOJ	99	V	300-150	52	0	0	3.8	-0.7
NOS	99	V	300-150	1369	4	0	5.7	0.0
NUM	99	V	300-150	20	0	0	2.7	1.3
OAE	99	V	300-150	291	0	0	4.3	0.3
OCN	99	V	300-150	3003	0	0	3.4	0.0
OLI	99	V	300-150	56	0	0	4.0	0.4
OMA	99	V	300-150	1084	3	0	8.5	0.0
ORF	99	V	300-150	65	0	0	3.4	0.1
PAL	99	V	300-150	1454	0	0	2.7	0.1
PAT	99	V	300-150	61	0	0	3.2	0.3
PEX	99	V	300-150	103	0	0	2.8	-0.3
PIA	99	V	300-150	105	0	0	3.0	0.8
PJS	99	V	300-150	20	0	0	8.0	0.5
PJZ	99	V	300-150	85	0	0	2.9	0.6
PLF	99	V	300-150	46	0	0	2.7	0.7
PUE	99	V	300-150	44	0	0	2.2	-0.2
PVA	99	V	300-150	287	0	0	3.7	-0.2
QAF	99	V	300-150	31	0	0	2.5	0.3
QFA	99	V	300-150	4885	0	0	4.8	0.2
QFX	99	V	300-150	84	0	0	3.7	-0.1
QLK	99	V	300-150	151	0	0	3.7	-0.3
QNT	99	V	300-150	158	0	0	2.8	0.0
QQE	99	V	300-150	430	0	0	3.3	0.6
QTR	99	V	300-150	15664	0	0	3.8	0.1
RAM	99	V	300-150	910	11	0	6.6	0.3
RBA	99	V	300-150	94	0	0	2.9	-0.7
RCH	99	V	300-150	6778	0	0	4.7	0.3
RCR	99	V	300-150	69	0	0	2.9	0.4
RDN	99	V	300-150	31	0	0	2.4	-0.4
RHH	99	V	300-150	36	0	0	4.0	0.3
RJA	99	V	300-150	1641	2	0	7.9	-0.2
ROJ	99	V	300-150	51	0	0	3.5	0.0

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
RRR	99	V	300-150	340	0	0	3.3	0.4
RSF	99	V	300-150	38	0	0	3.2	0.0
RYR	99	V	300-150	448	0	0	3.4	-0.1
RZO	99	V	300-150	385	0	0	4.3	0.6
SAM	99	V	300-150	207	0	0	3.3	0.1
SAS	99	V	300-150	5532	0	0	2.9	0.2
SAZ	99	V	300-150	46	0	0	2.9	0.8
SCO	99	V	300-150	28	0	0	2.1	0.2
SCX	99	V	300-150	52	0	2	6.8	-1.0
SHU	99	V	300-150	32	0	0	4.8	1.7
SIA	99	V	300-150	11188	0	0	3.9	0.4
SIO	99	V	300-150	31	0	0	2.7	-0.2
SKV	99	V	300-150	32	0	0	2.7	0.2
SLM	99	V	300-150	144	0	0	3.4	0.2
SPA	99	V	300-150	139	0	0	3.9	-0.2
SRR	99	V	300-150	96	0	0	3.1	-0.2
SSG	99	V	300-150	32	0	0	3.2	1.1
SVA	99	V	300-150	4103	1	0	4.6	0.2
SVW	99	V	300-150	270	0	0	3.1	-0.1
SWR	99	V	300-150	10175	0	0	3.9	0.3
SYB	99	V	300-150	189	0	0	3.1	0.1
TAH	99	V	300-150	34	0	0	3.2	1.2
TAM	99	V	300-150	64	0	0	5.7	0.8
TAP	99	V	300-150	3636	0	0	3.6	0.0
TAR	99	V	300-150	234	0	0	2.9	0.2
TAX	99	V	300-150	602	0	0	2.8	0.1
TAY	99	V	300-150	298	0	0	3.3	-0.2
TEU	99	V	300-150	51	0	0	2.9	-0.1
TFL	99	V	300-150	1378	7	0	6.3	0.0
TGI	99	V	300-150	29	0	0	3.4	-0.5
TGW	99	V	300-150	589	2	0	6.7	0.2
THA	99	V	300-150	4489	0	0	3.5	0.2
THT	99	V	300-150	1786	2	0	7.2	0.3
THY	99	V	300-150	18402	1	0	4.5	0.1
TMN	99	V	300-150	392	0	0	4.0	0.3
TOM	99	V	300-150	4149	5	0	6.0	0.2
TOR	99	V	300-150	34	0	0	4.7	0.4
TSC	99	V	300-150	5273	0	0	3.6	0.3
TUA	99	V	300-150	109	0	0	2.5	0.0
TUG	99	V	300-150	36	0	0	2.9	-0.6
TWY	99	V	300-150	594	0	0	3.5	0.1
UAE	99	V	300-150	13632	0	0	3.3	0.1
UAG	99	V	300-150	57	0	0	2.8	-0.6

AIREP MONITORING STATISTICS FOR AIRLINE CARRIERS
(CONTINUED)

IDENT	OBS TIME	ELM	LEVEL	NUM OBS	% GROSS	% CALM	VECTOR RMS	SPEE D BIAS
UAL	99	V	300-150	60229	1	1	4.9	0.0
UBT	99	V	300-150	1569	4	0	5.3	0.0
ULC	99	V	300-150	172	0	0	3.3	0.6
UPS	99	V	300-150	5324	0	0	3.5	-0.2
UZB	99	V	300-150	562	2	0	6.3	0.7
VCG	99	V	300-150	23	0	0	3.6	0.2
VCJ	99	V	300-150	23	0	0	3.4	-0.6
VIR	99	V	300-150	16470	2	0	4.8	0.1
VJC	99	V	300-150	126	0	2	2.8	0.0
VJH	99	V	300-150	257	0	0	3.4	0.7
VJT	99	V	300-150	1601	0	0	3.2	0.2
VKG	99	V	300-150	467	0	0	3.3	0.5
VLZ	99	V	300-150	79	0	0	3.1	0.5
VOZ	99	V	300-150	635	0	0	3.6	0.4
VSV	99	V	300-150	287	0	0	2.8	0.3
WFL	99	V	300-150	667	0	0	3.2	0.4
WJA	99	V	300-150	908	4	1	7.7	-0.1
WWI	99	V	300-150	88	0	0	4.3	0.5
XAX	99	V	300-150	911	0	0	3.0	0.0
XFL	99	V	300-150	56	0	0	2.9	0.3

4 EUCOS Area Monitoring Statistics

The following tables provide information on the quality of upper-air data and surface DRIFTER data over the EUCOS area as received at ECMWF during the month.

Tables 13, 14 (50 hPa level), 15, 16 (100 hPa level) 17, 18 (500 hPa level) 19 and 20 (850 hPa level) provide quality statistics for all TEMPSHIPS and PILOTSHIPS received during the month in the area 10°N - 90°N, 70°W - 40°E and for TEMPS and PILOTS from selected land stations within the same area. The statistics are in the same form as tables 10 and 11.

Tables 21-23 provides quality statistics of pressure and wind for all DRIFTER reports received in the area 10°N - 90°N, 70°W - 40°E. The statistics are in the same form as tables 4-6.

4.1 Table 13 - Radiosonde Monitoring Statistics (EUCOS): 50 hPa Geopotential height (metres)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : GEOPOTENTIAL HEIGHT (METRES)
 LEVEL : 50 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
01001	00	Z	50	28	10.1	2.3
01001	12	Z	50	28	8.6	-2.1
01028	00	Z	50	28	11.3	-7.2
01028	12	Z	50	28	10.0	-7.8
01400	12	Z	50	24	74.4	73.6
01400	00	Z	50	24	72.3	71.4
01415	12	Z	50	27	6.3	-0.7
01415	00	Z	50	27	8.0	3.7
02836	00	Z	50	27	7.2	-3.4
02836	12	Z	50	30	7.0	-4.2
02963	00	Z	50	28	6.6	-1.2
02963	12	Z	50	28	6.9	-2.8
03005	12	Z	50	28	10.5	-7.5
03005	00	Z	50	25	15.0	-9.4
03238	12	Z	50	1	12.4	-12.4
03238	00	Z	50	25	8.4	-3.1
03808	00	Z	50	28	7.6	1.1
03808	12	Z	50	28	8.7	-1.1
03918	12	Z	50	1	5.5	-5.5
03918	00	Z	50	28	12.0	-4.0
03953	00	Z	50	26	72.5	-62.3
03953	12	Z	50	28	73.9	-62.6
04018	00	Z	50	25	6.6	0.9
04018	12	Z	50	24	9.3	-5.9
04220	00	Z	50	26	18.3	-12.9
04220	12	Z	50	25	21.9	-19.4
04270	00	Z	50	27	18.0	-16.4
04270	12	Z	50	26	24.9	-22.4
04320	12	Z	50	28	9.7	-6.3
04320	00	Z	50	28	10.8	-5.7
04339	00	Z	50	23	30.0	-15.9
04339	12	Z	50	24	31.5	-18.0
04360	12	Z	50	27	36.0	-33.2
04360	00	Z	50	27	41.0	-38.2
06011	12	Z	50	23	33.0	-31.2
06260	00	Z	50	26	7.8	-1.6
06260	12	Z	50	7	5.1	-1.9
06610	12	Z	50	29	10.2	2.7
06610	00	Z	50	26	12.2	2.8

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
07110	12	Z	50	26	19.3	-14.0
07110	00	Z	50	24	25.3	-23.8
07510	12	Z	50	27	12.3	0.5
07510	00	Z	50	28	22.2	-13.3
07645	12	Z	50	25	45.4	42.8
07645	00	Z	50	28	33.1	28.8
07761	12	Z	50	25	38.4	-28.0
07761	00	Z	50	25	27.0	-22.3
08001	12	Z	50	28	11.0	-2.5
08001	00	Z	50	26	10.0	-1.7
08221	12	Z	50	27	8.1	2.9
08221	00	Z	50	28	10.0	3.9
08302	12	Z	50	27	11.6	-7.5
08302	00	Z	50	25	12.1	-4.8
08508	12	Z	50	27	14.2	-7.7
08522	12	Z	50	27	7.7	-1.9
10035	00	Z	50	28	8.7	-3.6
10035	12	Z	50	28	9.9	-4.3
10393	12	Z	50	28	5.9	1.0
10393	00	Z	50	28	8.4	1.5
10410	00	Z	50	27	8.5	-2.3
10410	12	Z	50	28	6.9	-3.4
10739	12	Z	50	28	12.5	-10.6
10739	00	Z	50	27	13.8	-9.1
11035	12	Z	50	27	13.2	0.6
11035	00	Z	50	26	8.4	-2.1
12982	12	Z	50	28	10.4	3.7
12982	00	Z	50	27	7.6	2.4
16245	12	Z	50	27	7.6	1.7
16245	00	Z	50	25	8.2	2.7
16429	12	Z	50	28	11.9	3.4
16429	00	Z	50	26	9.4	6.6
16622	00	Z	50	7	9.3	-0.5
16754	00	Z	50	17	16.6	-12.5
17607	12	Z	50	24	11.3	5.2
26435	12	Z	50	3	6.4	2.5
60018	12	Z	50	27	5.8	0.7
60018	00	Z	50	27	10.6	7.6
7JUNA4	12	Z	50	3	178.1	176.8
7JUNA4	00	Z	50	3	18.8	-11.8
9ZT9MR	12	Z	50	7	33.6	-30.4
9ZT9MR	00	Z	50	10	30.9	-29.8
ATGU3F	12	Z	50	7	123.9	27.4

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
ATGU3F	00	Z	50	9	27.9	-26.0
GKA32C	12	Z	50	8	26.8	-24.1
GKA32C	00	Z	50	8	24.8	-22.8
JNKN7J	12	Z	50	5	27.6	20.9
JNKN7J	00	Z	50	7	29.5	28.7
KMPLHP	12	Z	50	6	61.6	42.4
KMPLHP	00	Z	50	9	15.2	-4.4
LRVQE3	12	Z	50	10	70.8	43.0
LRVQE3	00	Z	50	6	28.6	-20.0
PTEVO	12	Z	50	0	0.0	0.0
TLH	12	Z	50	1	309.0	309.0
TLH	00	Z	50	0	0.0	0.0
USALY	00	Z	50	0	0.0	0.0
USCLL	00	Z	50	1	2.3	-2.3
USCOU	00	Z	50	1	5.9	-5.9
USCOU	12	Z	50	0	0.0	0.0
USIUB	00	Z	50	0	0.0	0.0
USIUB	12	Z	50	0	0.0	0.0
USOHS	00	Z	50	0	0.0	0.0
USSOM	00	Z	50	13	38.8	-20.8
USUND	12	Z	50	0	0.0	0.0
USUND	00	Z	50	0	0.0	0.0
USVAL	12	Z	50	0	0.0	0.0
USVAL	00	Z	50	0	0.0	0.0
USVPI	00	Z	50	0	0.0	0.0
WDK38H	12	Z	50	5	23.8	-23.4
WFF	12	Z	50	2	337.1	337.1
WFF	00	Z	50	0	0.0	0.0
YLV96W	12	Z	50	9	101.9	74.4
YLV96W	00	Z	50	6	33.1	-3.8
ZVQEQC	12	Z	50	8	7.3	4.1

4.2 Table 14 - Radiosonde Monitoring Statistics (EUCOS): 50 hPa Wind (m/s)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND (M/S)
 LEVEL : 50 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
01001	00	V	50	26	2.4	-0.2	0.1
01001	12	V	50	28	3.0	0.0	-0.5
01028	00	V	50	25	3.2	-0.3	0.1
01028	12	V	50	28	3.2	0.2	0.7
01400	12	V	50	23	3.0	-0.1	-0.2
01400	00	V	50	23	2.3	-0.1	-0.6
01415	12	V	50	26	2.6	0.1	0.4
01415	00	V	50	24	2.6	0.1	0.1
02836	00	V	50	3	1.5	1.1	0.7
02836	12	V	50	6	2.9	-0.9	0.3
02963	00	V	50	0	0.0	0.0	0.0
02963	12	V	50	11	3.1	-0.3	-0.3
03005	12	V	50	28	3.3	0.8	0.7
03005	00	V	50	22	3.3	0.1	0.4
03238	12	V	50	1	1.6	1.3	0.9
03238	00	V	50	23	2.6	-0.1	0.0
03808	00	V	50	26	3.0	0.7	0.5
03808	12	V	50	28	3.0	0.5	-0.2
03918	12	V	50	1	3.7	-3.6	-0.9
03918	00	V	50	23	3.0	0.2	-0.1
03953	00	V	50	25	4.0	0.5	-0.1
03953	12	V	50	28	3.1	-0.6	-0.3
04018	00	V	50	20	3.3	1.2	-0.3
04018	12	V	50	23	2.6	0.5	-0.1
04220	00	V	50	25	3.6	-0.2	0.0
04220	12	V	50	25	3.4	-0.1	0.6
04270	00	V	50	26	3.7	-0.4	0.6
04270	12	V	50	26	3.1	-0.3	0.1
04320	12	V	50	28	3.1	0.7	-0.6
04320	00	V	50	28	3.5	0.7	0.2
04339	00	V	50	23	3.0	0.2	-0.7
04339	12	V	50	24	3.1	0.0	-0.3
04360	12	V	50	27	3.2	-0.3	-0.1
04360	00	V	50	26	2.6	-0.1	-0.5
06011	12	V	50	23	2.6	-0.1	0.0
06260	00	V	50	26	3.2	-0.5	0.3
06260	12	V	50	7	4.8	-1.8	-1.5
06610	12	V	50	27	5.1	0.8	0.4
06610	00	V	50	25	3.9	0.4	-0.5

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
07110	12	V	50	26	2.9	0.2	-0.3
07110	00	V	50	22	2.3	0.5	-0.6
07510	12	V	50	27	2.7	0.0	0.1
07510	00	V	50	26	3.7	0.0	-0.3
07645	12	V	50	25	3.6	0.4	-0.5
07645	00	V	50	27	3.9	0.3	0.1
07761	12	V	50	25	4.4	-0.1	-0.1
07761	00	V	50	24	4.0	0.9	-0.3
08001	12	V	50	28	4.3	-0.7	-0.6
08001	00	V	50	23	4.6	1.2	-0.1
08221	12	V	50	27	4.0	-0.5	0.0
08221	00	V	50	26	3.8	0.2	-0.4
08302	12	V	50	27	3.0	0.2	-0.1
08302	00	V	50	21	3.2	-0.5	-0.3
08508	12	V	50	27	3.5	-0.5	0.0
08522	12	V	50	26	3.9	-1.4	0.2
10035	00	V	50	27	2.9	0.4	-0.1
10035	12	V	50	28	3.5	1.0	-0.3
10393	12	V	50	28	3.0	0.0	0.7
10393	00	V	50	23	3.1	0.8	0.3
10410	00	V	50	27	3.4	-0.2	-0.2
10410	12	V	50	28	3.1	0.2	-0.2
10739	12	V	50	28	3.4	0.0	-0.5
10739	00	V	50	27	4.0	-0.4	-0.4
11035	12	V	50	27	3.5	0.2	-0.5
11035	00	V	50	23	3.1	-0.3	-0.5
12982	12	V	50	28	3.4	0.0	0.1
12982	00	V	50	24	3.5	0.2	0.1
16245	12	V	50	27	4.3	0.0	0.5
16245	00	V	50	25	3.0	0.6	-0.1
16429	12	V	50	28	4.2	0.0	-0.4
16429	00	V	50	26	3.5	0.3	0.7
16622	00	V	50	7	2.8	0.8	0.4
16754	00	V	50	16	5.1	0.0	0.9
17607	12	V	50	22	3.5	-0.8	0.1
26435	12	V	50	2	4.2	-1.9	-0.5
60018	12	V	50	26	3.8	0.0	0.7
60018	00	V	50	23	3.4	-0.8	0.7
7JUNA4	12	V	50	3	2.8	-1.5	1.1
7JUNA4	00	V	50	3	3.9	2.5	-1.9
9ZT9MR	12	V	50	7	2.3	-0.4	-0.7
9ZT9MR	00	V	50	10	2.9	-0.4	0.5
ATGU3F	12	V	50	7	2.2	-0.3	0.5

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
ATGU3F	00	V	50	9	3.3	-0.8	-0.1
GKA32C	12	V	50	8	3.6	-0.4	-0.3
GKA32C	00	V	50	8	3.8	-1.8	0.3
JNKN7J	12	V	50	5	2.3	0.2	-1.3
JNKN7J	00	V	50	7	3.4	0.6	0.8
KMPLHP	12	V	50	6	3.6	-0.1	-0.5
KMPLHP	00	V	50	9	2.8	0.3	1.1
LRVQE3	12	V	50	9	3.1	1.2	1.4
LRVQE3	00	V	50	6	2.4	1.8	-0.4
PTEVO	12	V	50	0	0.0	0.0	0.0
TLH	12	V	50	1	3.2	-1.4	-2.9
TLH	00	V	50	0	0.0	0.0	0.0
USALY	00	V	50	0	0.0	0.0	0.0
USCLL	00	V	50	1	1.7	0.0	-1.7
USCOU	00	V	50	1	8.3	-3.9	7.3
USCOU	12	V	50	0	0.0	0.0	0.0
USIUB	00	V	50	0	0.0	0.0	0.0
USIUB	12	V	50	0	0.0	0.0	0.0
USOHS	00	V	50	0	0.0	0.0	0.0
USSOM	00	V	50	9	3.0	0.3	0.4
USUND	12	V	50	0	0.0	0.0	0.0
USUND	00	V	50	0	0.0	0.0	0.0
USVAL	12	V	50	0	0.0	0.0	0.0
USVAL	00	V	50	0	0.0	0.0	0.0
USVPI	00	V	50	0	0.0	0.0	0.0
WDK38H	12	V	50	2	3.0	2.4	-0.7
WFF	12	V	50	2	3.9	-1.4	-3.6
WFF	00	V	50	0	0.0	0.0	0.0
YLV96W	12	V	50	9	3.3	1.5	0.2
YLV96W	00	V	50	6	2.5	0.0	-1.7
ZVQEQC	12	V	50	8	3.4	0.2	0.0

4.3 Table 15 - Radiosonde Monitoring Statistics (EUCOS): 100 hPa Geopotential height (metres)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : GEOPOTENTIAL HEIGHT (METRES)
 LEVEL : 100 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
01001	00	Z	100	28	8.8	2.9
01001	12	Z	100	28	5.5	-1.7
01028	00	Z	100	28	9.4	-6.8
01028	12	Z	100	28	7.4	-5.9
01400	12	Z	100	25	71.3	70.8
01400	00	Z	100	26	69.1	68.5
01415	12	Z	100	27	5.4	-1.7
01415	00	Z	100	27	5.8	0.8
02836	00	Z	100	27	4.7	-2.7
02836	12	Z	100	30	5.8	-4.0
02963	00	Z	100	28	4.5	-0.8
02963	12	Z	100	28	5.8	-1.9
03005	12	Z	100	28	8.0	-6.5
03005	00	Z	100	27	9.0	-6.7
03238	12	Z	100	1	8.2	-8.2
03238	00	Z	100	26	8.3	-5.0
03808	00	Z	100	28	5.4	-1.0
03808	12	Z	100	28	7.0	-1.3
03918	12	Z	100	1	6.4	-6.4
03918	00	Z	100	28	9.2	-5.5
03953	00	Z	100	26	73.0	-64.0
03953	12	Z	100	28	72.2	-62.5
04018	00	Z	100	25	6.7	0.0
04018	12	Z	100	26	6.1	-3.2
04220	00	Z	100	26	13.8	-10.7
04220	12	Z	100	27	18.6	-16.1
04270	00	Z	100	27	16.0	-14.6
04270	12	Z	100	28	47.9	-12.1
04320	12	Z	100	28	8.7	-4.9
04320	00	Z	100	28	7.4	-4.3
04339	00	Z	100	23	17.9	-15.8
04339	12	Z	100	25	19.7	-16.9
04360	12	Z	100	27	31.7	-29.7
04360	00	Z	100	27	32.5	-30.8
06011	12	Z	100	27	23.4	-22.6
06260	00	Z	100	26	5.5	-2.0
06260	12	Z	100	7	4.0	-0.2
06610	12	Z	100	29	9.7	0.0
06610	00	Z	100	30	8.5	-1.5

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
07110	12	Z	100	27	14.7	-12.1
07110	00	Z	100	24	20.1	-18.1
07510	12	Z	100	27	8.5	-2.5
07510	00	Z	100	28	19.0	-12.6
07645	12	Z	100	26	30.7	29.3
07645	00	Z	100	28	23.8	19.2
07761	12	Z	100	26	35.3	-26.1
07761	00	Z	100	26	24.0	-21.8
08001	12	Z	100	28	8.5	-3.0
08001	00	Z	100	27	11.7	-2.2
08221	12	Z	100	28	6.6	1.4
08221	00	Z	100	28	9.3	3.8
08302	12	Z	100	27	12.0	-8.8
08302	00	Z	100	26	13.4	-8.8
08508	12	Z	100	27	12.5	-5.3
08522	12	Z	100	27	7.5	1.9
10035	00	Z	100	28	7.4	-4.4
10035	12	Z	100	28	5.9	-1.8
10393	12	Z	100	28	5.5	-0.5
10393	00	Z	100	28	4.4	-2.6
10410	00	Z	100	28	7.2	-2.3
10410	12	Z	100	28	6.5	-4.0
10739	12	Z	100	28	13.6	-11.9
10739	00	Z	100	28	14.0	-10.5
11035	12	Z	100	28	9.2	-1.2
11035	00	Z	100	27	7.7	-3.1
12982	12	Z	100	28	7.5	2.4
12982	00	Z	100	28	6.7	-1.3
16245	12	Z	100	27	5.3	1.7
16245	00	Z	100	26	4.9	0.6
16429	12	Z	100	28	9.4	2.3
16429	00	Z	100	27	8.6	3.7
16622	00	Z	100	9	9.5	-3.3
16754	00	Z	100	22	14.2	-11.6
17607	12	Z	100	24	9.1	4.9
26435	12	Z	100	12	5.8	-3.6
60018	12	Z	100	27	7.3	2.5
60018	00	Z	100	27	10.4	7.0
7JUNA4	12	Z	100	3	97.4	95.9
7JUNA4	00	Z	100	3	12.3	-9.4
9ZT9MR	12	Z	100	7	27.5	-26.0
9ZT9MR	00	Z	100	11	26.5	-24.4
ATGU3F	12	Z	100	9	23.9	-20.2

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
ATGU3F	00	Z	100	10	26.0	-23.9
GKA32C	12	Z	100	9	17.4	-14.5
GKA32C	00	Z	100	9	15.7	-13.9
JNKN7J	12	Z	100	5	26.6	24.3
JNKN7J	00	Z	100	8	31.6	30.0
KMPLHP	12	Z	100	10	21.1	8.1
KMPLHP	00	Z	100	13	12.2	-6.3
LRYQE3	12	Z	100	10	23.1	7.6
LRYQE3	00	Z	100	7	17.1	-14.1
PTEVO	12	Z	100	1	10.4	10.4
TLH	12	Z	100	1	157.6	157.6
TLH	00	Z	100	1	81.3	81.3
USALY	00	Z	100	9	19.8	10.6
USCLL	00	Z	100	24	8.7	5.5
USCOU	00	Z	100	13	71.4	-20.2
USCOU	12	Z	100	1	4.2	-4.2
USIUB	00	Z	100	1	23.4	23.4
USIUB	12	Z	100	0	0.0	0.0
USOHS	00	Z	100	0	0.0	0.0
USSOM	00	Z	100	17	36.8	-17.9
USUND	12	Z	100	0	0.0	0.0
USUND	00	Z	100	8	16.0	-6.0
USVAL	12	Z	100	0	0.0	0.0
USVAL	00	Z	100	10	19.4	16.8
USVPI	00	Z	100	2	16.7	12.2
WDK38H	12	Z	100	9	18.1	-17.7
WFF	12	Z	100	2	182.0	180.5
WFF	00	Z	100	0	0.0	0.0
YLV96W	12	Z	100	9	65.5	40.9
YLV96W	00	Z	100	7	37.3	10.5
ZVQEQC	12	Z	100	8	9.3	8.0

4.4 Table 16 - Radiosonde Monitoring Statistics (EUCOS): 100 hPa Wind (m/s)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND (M/S)
 LEVEL : 100 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
01001	00	V	100	26	2.5	0.5	-0.4
01001	12	V	100	28	2.3	0.3	0.0
01028	00	V	100	27	2.4	0.1	-0.5
01028	12	V	100	28	3.0	0.3	0.2
01400	12	V	100	25	2.6	0.5	0.3
01400	00	V	100	26	2.5	0.6	0.2
01415	12	V	100	27	2.8	0.2	-0.4
01415	00	V	100	27	2.8	0.4	-0.3
02836	00	V	100	8	2.1	-0.2	-0.1
02836	12	V	100	7	2.5	0.5	0.3
02963	00	V	100	0	0.0	0.0	0.0
02963	12	V	100	22	2.6	0.0	-0.7
03005	12	V	100	28	2.8	0.1	-0.7
03005	00	V	100	26	2.8	0.6	0.2
03238	12	V	100	1	2.4	0.6	2.3
03238	00	V	100	26	2.9	0.3	-0.4
03808	00	V	100	28	3.0	1.0	-0.6
03808	12	V	100	28	3.1	0.0	0.1
03918	12	V	100	1	1.1	1.1	0.1
03918	00	V	100	27	3.0	0.9	0.0
03953	00	V	100	26	3.5	0.0	-0.2
03953	12	V	100	28	3.5	-0.4	0.7
04018	00	V	100	23	2.3	-0.1	-0.1
04018	12	V	100	26	2.7	0.0	0.0
04220	00	V	100	26	2.2	0.0	0.1
04220	12	V	100	27	1.8	0.0	0.2
04270	00	V	100	27	2.2	-0.1	-0.2
04270	12	V	100	28	6.6	-1.0	-0.7
04320	12	V	100	28	2.7	-0.4	-0.2
04320	00	V	100	28	2.4	-0.4	0.5
04339	00	V	100	23	2.1	0.4	-0.3
04339	12	V	100	24	2.6	0.3	-0.1
04360	12	V	100	27	2.4	-0.2	0.4
04360	00	V	100	27	2.5	-0.4	0.3
06011	12	V	100	27	2.1	-0.1	0.5
06260	00	V	100	26	2.6	0.6	0.9
06260	12	V	100	7	6.1	-2.0	0.0
06610	12	V	100	28	3.4	0.4	-0.7
06610	00	V	100	27	3.5	0.1	-0.9

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
07110	12	V	100	27	3.0	-0.3	-0.4
07110	00	V	100	24	3.3	0.6	-0.1
07510	12	V	100	27	3.3	-0.4	0.2
07510	00	V	100	27	3.5	0.7	-0.4
07645	12	V	100	26	4.5	-1.5	0.1
07645	00	V	100	28	4.0	0.0	0.0
07761	12	V	100	26	4.8	0.3	-0.9
07761	00	V	100	26	3.9	0.0	-0.1
08001	12	V	100	28	3.7	0.4	-1.0
08001	00	V	100	27	4.1	-0.5	-0.2
08221	12	V	100	28	5.0	0.8	0.1
08221	00	V	100	28	4.5	-0.6	0.4
08302	12	V	100	27	4.4	-0.8	0.7
08302	00	V	100	26	3.8	-0.2	-0.3
08508	12	V	100	27	5.1	-0.5	-0.9
08522	12	V	100	27	4.2	-0.5	-1.5
10035	00	V	100	28	2.5	0.7	0.1
10035	12	V	100	28	2.8	-0.1	0.4
10393	12	V	100	28	2.5	0.3	0.0
10393	00	V	100	25	2.6	0.0	0.1
10410	00	V	100	28	2.6	0.5	0.5
10410	12	V	100	28	3.1	0.4	-0.5
10739	12	V	100	28	3.0	0.4	-0.1
10739	00	V	100	28	2.4	0.1	0.1
11035	12	V	100	28	2.5	0.2	-0.4
11035	00	V	100	24	3.0	0.2	0.3
12982	12	V	100	28	3.3	-0.1	1.0
12982	00	V	100	27	2.6	-0.1	-0.2
16245	12	V	100	27	3.3	-0.1	0.3
16245	00	V	100	26	3.8	0.3	-0.5
16429	12	V	100	28	3.6	1.0	-0.1
16429	00	V	100	27	5.7	0.0	-0.7
16622	00	V	100	8	3.5	2.0	0.9
16754	00	V	100	20	4.0	0.4	0.0
17607	12	V	100	24	4.3	0.6	1.2
26435	12	V	100	6	2.4	0.7	0.8
60018	12	V	100	27	3.8	-0.2	0.0
60018	00	V	100	27	4.0	-0.1	-0.7
7JUNA4	12	V	100	3	4.8	1.8	-1.8
7JUNA4	00	V	100	3	1.1	-0.3	-0.5
9ZT9MR	12	V	100	7	1.1	0.1	0.2
9ZT9MR	00	V	100	11	2.5	-0.7	-0.3
ATGU3F	12	V	100	9	2.2	0.2	-0.2

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
ATGU3F	00	V	100	10	1.8	0.0	-0.1
GKA32C	12	V	100	9	3.9	-0.6	-0.9
GKA32C	00	V	100	9	4.4	0.1	-0.1
JNKN7J	12	V	100	5	2.9	0.6	-0.3
JNKN7J	00	V	100	8	2.8	-0.3	1.7
KMPLHP	12	V	100	10	2.8	-0.3	0.8
KMPLHP	00	V	100	13	4.1	0.6	1.9
LRVQE3	12	V	100	9	3.3	0.5	0.3
LRVQE3	00	V	100	7	3.5	1.9	0.7
PTEVO	12	V	100	1	2.1	-1.6	1.4
TLH	12	V	100	1	3.7	-3.5	1.3
TLH	00	V	100	1	1.3	1.0	0.8
USALY	00	V	100	7	3.6	-1.6	-0.1
USCLL	00	V	100	13	3.8	-0.3	-0.4
USCOU	00	V	100	7	2.3	0.5	0.2
USCOU	12	V	100	1	4.4	2.8	-3.4
USIUB	00	V	100	1	3.2	1.2	3.0
USIUB	12	V	100	0	0.0	0.0	0.0
USOHS	00	V	100	0	0.0	0.0	0.0
USSOM	00	V	100	11	5.8	-2.9	1.7
USUND	12	V	100	0	0.0	0.0	0.0
USUND	00	V	100	5	2.4	1.4	-0.1
USVAL	12	V	100	0	0.0	0.0	0.0
USVAL	00	V	100	6	6.3	-0.3	2.0
USVPI	00	V	100	2	3.9	3.2	-2.1
WDK38H	12	V	100	7	2.0	1.1	-0.1
WFF	12	V	100	2	3.6	2.6	-0.9
WFF	00	V	100	0	0.0	0.0	0.0
YLV96W	12	V	100	9	2.5	0.0	1.1
YLV96W	00	V	100	7	2.1	0.2	-0.6
ZVQEQC	12	V	100	8	3.5	-0.2	1.0

4.5 Table 17 - Radiosonde Monitoring Statistics (EUCOS): 500 hPa Geopotential height (metres)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : GEOPOTENTIAL HEIGHT (METRES)
 LEVEL : 500 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
01001	00	Z	500	28	9.4	8.5
01001	12	Z	500	28	3.4	1.7
01028	00	Z	500	28	3.4	-1.2
01028	12	Z	500	28	3.2	-1.4
01400	12	Z	500	26	72.6	72.2
01400	00	Z	500	26	72.9	72.6
01415	12	Z	500	27	3.7	2.3
01415	00	Z	500	27	4.5	3.0
02836	00	Z	500	28	2.3	0.4
02836	12	Z	500	30	2.4	0.3
02963	00	Z	500	28	3.5	1.8
02963	12	Z	500	28	3.5	1.9
03005	12	Z	500	28	3.4	-0.1
03005	00	Z	500	28	3.5	0.9
03238	12	Z	500	1	2.0	-2.0
03238	00	Z	500	26	4.2	2.4
03808	00	Z	500	28	5.0	4.1
03808	12	Z	500	28	4.2	2.7
03918	12	Z	500	1	2.4	-2.4
03918	00	Z	500	28	3.8	0.7
03953	00	Z	500	28	36.3	-31.9
03953	12	Z	500	28	35.6	-30.2
04018	00	Z	500	25	4.3	2.9
04018	12	Z	500	26	3.5	1.8
04220	00	Z	500	27	5.4	-2.8
04220	12	Z	500	27	8.4	-5.9
04270	00	Z	500	28	7.9	-7.5
04270	12	Z	500	28	10.2	-9.6
04320	12	Z	500	28	7.0	2.1
04320	00	Z	500	28	4.0	1.1
04339	00	Z	500	26	11.0	-7.0
04339	12	Z	500	27	10.2	-6.5
04360	12	Z	500	27	17.2	-16.7
04360	00	Z	500	28	17.2	-16.0
06011	12	Z	500	28	5.1	-3.3
06260	00	Z	500	26	4.0	2.6
06260	12	Z	500	7	2.8	1.6
06610	12	Z	500	29	4.0	2.8
06610	00	Z	500	30	4.7	3.1

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
07110	12	Z	500	28	5.3	0.5
07110	00	Z	500	27	4.3	-1.3
07510	12	Z	500	28	5.0	0.9
07510	00	Z	500	29	8.2	-3.9
07645	12	Z	500	30	10.8	10.1
07645	00	Z	500	27	10.1	7.7
07761	12	Z	500	30	25.3	-0.4
07761	00	Z	500	28	8.9	-7.5
08001	12	Z	500	28	4.9	3.3
08001	00	Z	500	27	6.1	3.1
08221	12	Z	500	28	5.1	4.0
08221	00	Z	500	28	6.0	3.8
08302	12	Z	500	27	6.9	-6.0
08302	00	Z	500	26	8.8	-6.8
08508	12	Z	500	27	7.4	-1.0
08522	12	Z	500	28	5.3	4.7
10035	00	Z	500	28	4.2	1.5
10035	12	Z	500	28	2.3	1.2
10393	12	Z	500	28	2.3	0.3
10393	00	Z	500	28	2.5	1.0
10410	00	Z	500	28	3.7	1.2
10410	12	Z	500	28	2.5	0.3
10739	12	Z	500	28	10.0	-9.2
10739	00	Z	500	28	7.2	-6.0
11035	12	Z	500	28	6.2	0.5
11035	00	Z	500	28	5.0	0.2
12982	12	Z	500	29	3.6	1.8
12982	00	Z	500	28	3.7	1.6
16245	12	Z	500	28	3.9	2.8
16245	00	Z	500	26	4.2	2.9
16429	12	Z	500	28	5.3	4.0
16429	00	Z	500	27	4.3	2.6
16622	00	Z	500	27	5.5	3.8
16754	00	Z	500	22	5.9	-3.6
17607	12	Z	500	24	7.2	5.5
26435	12	Z	500	14	2.5	-0.3
60018	12	Z	500	27	6.2	5.3
60018	00	Z	500	27	8.0	5.3
7JUNA4	12	Z	500	3	16.3	16.2
7JUNA4	00	Z	500	3	3.6	-0.8
9ZT9MR	12	Z	500	7	15.9	-15.3
9ZT9MR	00	Z	500	11	13.8	-12.0
ATGU3F	12	Z	500	11	13.7	-11.7

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
ATGU3F	00	Z	500	11	18.8	-15.3
GKA32C	12	Z	500	9	3.1	-1.5
GKA32C	00	Z	500	9	6.3	-4.3
JNKN7J	12	Z	500	5	40.7	39.6
JNKN7J	00	Z	500	8	43.0	40.7
KMPLHP	12	Z	500	10	6.6	2.9
KMPLHP	00	Z	500	13	6.9	3.2
LRVQE3	12	Z	500	10	6.5	-3.7
LRVQE3	00	Z	500	7	8.0	-4.3
PTEVO	12	Z	500	2	4.6	4.5
TLH	12	Z	500	5	38.5	37.4
TLH	00	Z	500	6	26.8	21.7
USALY	00	Z	500	7	6.4	3.9
USCLL	00	Z	500	18	5.1	4.2
USCOU	00	Z	500	16	4.0	-0.2
USCOU	12	Z	500	1	9.8	9.8
USIUB	00	Z	500	1	15.0	15.0
USIUB	12	Z	500	1	13.3	13.3
USOHS	00	Z	500	9	34.5	-18.2
USSOM	00	Z	500	9	36.5	-19.3
USUND	12	Z	500	1	17.8	-17.8
USUND	00	Z	500	8	6.8	-2.5
USVAL	12	Z	500	0	0.0	0.0
USVAL	00	Z	500	9	18.2	16.3
USVPI	00	Z	500	2	11.4	9.9
WDK38H	12	Z	500	15	15.3	-14.6
WFF	12	Z	500	5	14.1	11.2
WFF	00	Z	500	3	24.2	7.8
YLV96W	12	Z	500	10	40.8	17.1
YLV96W	00	Z	500	8	45.4	20.5
ZVQEQC	12	Z	500	8	5.5	5.0

4.6 Table 18 - Radiosonde Monitoring Statistics (EUCOS): 500 hPa Wind (m/s)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND (M/S)
 LEVEL : 500 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
01001	00	V	500	28	2.6	-0.1	0.4
01001	12	V	500	28	2.2	0.4	-0.4
01028	00	V	500	28	2.3	0.3	0.0
01028	12	V	500	28	1.7	0.4	-0.3
01400	12	V	500	26	2.1	1.0	-0.1
01400	00	V	500	26	2.2	0.6	-0.4
01415	12	V	500	27	2.8	0.2	0.5
01415	00	V	500	27	2.3	-0.5	0.4
02836	00	V	500	26	2.4	0.5	-0.3
02836	12	V	500	28	2.3	0.3	-0.5
02963	00	V	500	28	2.0	0.7	-0.5
02963	12	V	500	28	1.8	0.2	-0.2
03005	12	V	500	28	3.1	-0.3	-0.1
03005	00	V	500	27	2.5	0.5	-0.3
03238	12	V	500	1	2.3	0.6	-2.2
03238	00	V	500	26	2.7	-0.3	0.0
03808	00	V	500	28	3.5	0.9	-0.7
03808	12	V	500	28	3.3	0.5	0.1
03918	12	V	500	1	7.2	6.9	2.1
03918	00	V	500	28	3.0	0.2	0.2
03953	00	V	500	28	3.7	0.4	-0.2
03953	12	V	500	28	3.8	0.1	0.2
04018	00	V	500	25	2.2	0.0	0.2
04018	12	V	500	26	2.4	0.0	0.4
04220	00	V	500	27	2.4	-0.3	-0.1
04220	12	V	500	27	2.1	-0.1	0.2
04270	00	V	500	28	2.4	-0.2	0.1
04270	12	V	500	28	3.0	1.3	-0.2
04320	12	V	500	28	1.7	0.0	-0.3
04320	00	V	500	28	2.3	0.3	-0.2
04339	00	V	500	26	2.6	0.8	0.1
04339	12	V	500	27	3.3	0.5	0.1
04360	12	V	500	27	3.0	0.8	0.3
04360	00	V	500	28	2.9	0.0	0.6
06011	12	V	500	28	2.5	0.4	0.1
06260	00	V	500	26	2.2	0.4	0.0
06260	12	V	500	7	7.7	1.1	-3.1
06610	12	V	500	28	2.4	0.3	-0.3
06610	00	V	500	28	2.8	-0.2	-0.1

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
07110	12	V	500	28	3.8	-0.3	0.0
07110	00	V	500	27	3.6	0.1	0.4
07510	12	V	500	28	3.4	-0.3	-0.7
07510	00	V	500	28	3.0	-0.8	0.0
07645	12	V	500	28	2.7	-0.1	-0.2
07645	00	V	500	27	3.3	0.0	-0.2
07761	12	V	500	27	3.3	0.5	0.8
07761	00	V	500	28	2.7	0.6	0.3
08001	12	V	500	28	2.9	0.1	0.2
08001	00	V	500	27	3.5	0.8	-0.2
08221	12	V	500	28	3.0	0.6	0.2
08221	00	V	500	28	3.0	-0.6	0.3
08302	12	V	500	27	3.5	-0.5	0.1
08302	00	V	500	26	3.4	0.1	0.8
08508	12	V	500	27	3.4	0.4	-0.6
08522	12	V	500	28	2.4	0.0	0.2
10035	00	V	500	28	2.0	0.1	-0.3
10035	12	V	500	28	2.2	0.3	0.1
10393	12	V	500	28	2.1	-0.2	0.3
10393	00	V	500	28	1.7	0.0	0.2
10410	00	V	500	28	2.6	0.3	0.1
10410	12	V	500	28	2.1	0.5	0.1
10739	12	V	500	28	2.5	-0.5	-0.1
10739	00	V	500	28	2.2	0.1	0.5
11035	12	V	500	28	2.3	-0.1	-0.2
11035	00	V	500	28	2.5	0.4	0.4
12982	12	V	500	28	2.3	-0.1	0.0
12982	00	V	500	28	2.1	0.4	0.4
16245	12	V	500	28	3.0	0.3	0.4
16245	00	V	500	26	2.5	0.7	-0.3
16429	12	V	500	28	3.2	-0.1	0.5
16429	00	V	500	27	3.0	0.4	-0.2
16622	00	V	500	27	2.3	0.1	-0.1
16754	00	V	500	21	2.5	0.4	0.7
17607	12	V	500	24	3.0	0.6	-0.1
26435	12	V	500	14	1.8	0.8	0.1
60018	12	V	500	27	2.1	0.0	-0.1
60018	00	V	500	27	2.5	0.6	0.3
7JUNA4	12	V	500	3	1.9	-0.2	1.8
7JUNA4	00	V	500	3	2.5	0.9	1.3
9ZT9MR	12	V	500	7	3.0	0.7	0.8
9ZT9MR	00	V	500	11	3.0	0.9	-0.3
ATGU3F	12	V	500	11	2.9	-1.1	1.4

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
ATGU3F	00	V	500	11	2.8	-1.0	-0.2
GKA32C	12	V	500	9	1.7	0.1	-0.1
GKA32C	00	V	500	9	1.7	0.6	0.3
JNKN7J	12	V	500	5	3.2	-0.1	-0.7
JNKN7J	00	V	500	8	3.3	-1.8	-0.1
KMPLHP	12	V	500	10	4.8	-0.6	0.0
KMPLHP	00	V	500	13	4.7	1.6	0.0
LRVQE3	12	V	500	10	2.4	0.8	0.7
LRVQE3	00	V	500	7	2.9	-0.5	-0.5
PTEVO	12	V	500	2	1.1	0.1	-0.1
TLH	12	V	500	5	1.4	0.5	0.4
TLH	00	V	500	6	2.7	0.1	-0.8
USALY	00	V	500	7	1.9	0.2	0.2
USCLL	00	V	500	13	1.8	0.8	0.0
USCOU	00	V	500	7	1.5	0.4	0.1
USCOU	12	V	500	1	9.5	-7.7	5.6
USIUB	00	V	500	1	0.4	0.3	0.2
USIUB	12	V	500	1	1.5	-0.2	-1.5
USOHS	00	V	500	6	2.3	0.8	-0.9
USSOM	00	V	500	9	2.3	0.7	1.2
USUND	12	V	500	1	1.3	-0.5	1.2
USUND	00	V	500	6	1.9	1.0	0.3
USVAL	12	V	500	0	0.0	0.0	0.0
USVAL	00	V	500	7	2.8	-0.4	0.6
USVPI	00	V	500	2	3.2	2.4	0.0
WDK38H	12	V	500	15	1.7	-0.2	-0.3
WFF	12	V	500	5	6.0	-3.5	1.0
WFF	00	V	500	3	3.4	1.4	0.6
YLV96W	12	V	500	10	2.3	-0.5	-1.2
YLV96W	00	V	500	8	2.3	-0.7	-0.3
ZVQEQC	12	V	500	8	2.3	0.5	0.5

4.7 Table 19 - Radiosonde Monitoring Statistics (EUCOS): 850 hPa Geopotential height (metres)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : GEOPOTENTIAL HEIGHT (METRES)
 LEVEL : 850 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
01001	00	Z	850	28	7.4	6.6
01001	12	Z	850	28	3.0	0.4
01028	00	Z	850	28	2.5	0.0
01028	12	Z	850	28	2.8	-0.4
01400	12	Z	850	26	73.6	73.2
01400	00	Z	850	26	73.2	72.9
01415	12	Z	850	27	3.5	2.4
01415	00	Z	850	27	4.8	3.4
02836	00	Z	850	28	2.3	1.1
02836	12	Z	850	30	3.2	1.8
02963	00	Z	850	28	2.0	1.0
02963	12	Z	850	28	2.8	1.5
03005	12	Z	850	28	2.2	-0.5
03005	00	Z	850	28	2.4	-0.1
03238	12	Z	850	1	2.2	2.2
03238	00	Z	850	26	3.5	3.0
03808	00	Z	850	28	4.4	3.9
03808	12	Z	850	28	3.9	3.1
03918	12	Z	850	1	3.1	-3.1
03918	00	Z	850	28	2.8	0.1
03953	00	Z	850	28	10.0	-8.4
03953	12	Z	850	29	11.6	-8.2
04018	00	Z	850	26	2.7	1.4
04018	12	Z	850	27	2.5	1.5
04220	00	Z	850	28	3.5	-0.8
04220	12	Z	850	28	4.0	-1.9
04270	00	Z	850	28	8.0	-7.5
04270	12	Z	850	28	8.4	-7.9
04320	12	Z	850	28	4.0	0.1
04320	00	Z	850	28	4.7	0.2
04339	00	Z	850	26	10.0	-9.7
04339	12	Z	850	27	12.6	-9.7
04360	12	Z	850	27	11.6	-10.6
04360	00	Z	850	28	11.2	-10.0
06011	12	Z	850	28	3.4	-1.4
06260	00	Z	850	26	2.8	1.2
06260	12	Z	850	7	3.4	0.7
06610	12	Z	850	29	2.9	1.2
06610	00	Z	850	30	2.6	1.6

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
07110	12	Z	850	28	2.8	0.5
07110	00	Z	850	27	2.6	0.5
07510	12	Z	850	28	3.5	-2.7
07510	00	Z	850	29	3.5	-2.8
07645	12	Z	850	30	3.2	-1.9
07645	00	Z	850	28	2.9	-1.2
07761	12	Z	850	31	12.1	-3.5
07761	00	Z	850	29	6.2	-5.0
08001	12	Z	850	28	2.8	0.8
08001	00	Z	850	27	2.8	1.8
08221	12	Z	850	28	4.1	2.7
08221	00	Z	850	28	3.6	2.5
08302	12	Z	850	27	9.2	-8.9
08302	00	Z	850	26	9.4	-8.9
08508	12	Z	850	27	5.7	0.6
08522	12	Z	850	28	3.7	2.7
10035	00	Z	850	28	2.4	1.4
10035	12	Z	850	28	2.4	-0.2
10393	12	Z	850	28	2.1	-0.5
10393	00	Z	850	28	1.8	0.2
10410	00	Z	850	28	1.7	0.5
10410	12	Z	850	28	2.3	-0.9
10739	12	Z	850	28	10.3	-10.0
10739	00	Z	850	28	7.9	-7.3
11035	12	Z	850	28	3.0	-0.3
11035	00	Z	850	28	4.1	-0.2
12982	12	Z	850	29	1.9	1.0
12982	00	Z	850	28	2.7	1.8
16245	12	Z	850	28	2.4	1.4
16245	00	Z	850	27	4.0	2.8
16429	12	Z	850	28	4.1	2.9
16429	00	Z	850	27	3.2	2.2
16622	00	Z	850	27	5.0	3.8
16754	00	Z	850	23	6.1	-5.5
17607	12	Z	850	24	2.3	1.4
26435	12	Z	850	14	2.6	-1.2
60018	12	Z	850	27	2.3	0.9
60018	00	Z	850	27	3.1	1.3
7JUNA4	12	Z	850	9	6.5	3.8
7JUNA4	00	Z	850	7	4.9	2.3
9ZT9MR	12	Z	850	7	11.1	-8.8
9ZT9MR	00	Z	850	11	11.6	-11.2
ATGU3F	12	Z	850	11	14.7	-10.9

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	BIAS
ATGU3F	00	Z	850	11	16.2	-11.0
GKA32C	12	Z	850	9	2.9	-1.5
GKA32C	00	Z	850	9	3.3	-2.6
JNKN7J	12	Z	850	6	47.2	46.1
JNKN7J	00	Z	850	8	47.7	46.3
KMPLHP	12	Z	850	11	7.1	3.7
KMPLHP	00	Z	850	12	9.1	7.7
LRYQE3	12	Z	850	10	6.9	-0.9
LRYQE3	00	Z	850	7	6.5	-3.6
PTEVO	12	Z	850	2	8.2	8.1
TLH	12	Z	850	3	27.3	-4.5
TLH	00	Z	850	4	5.0	-4.3
USALY	00	Z	850	6	6.3	1.6
USCLL	00	Z	850	17	4.8	3.1
USCOU	00	Z	850	16	2.6	-0.2
USCOU	12	Z	850	1	2.3	2.3
USIUB	00	Z	850	1	10.9	10.9
USIUB	12	Z	850	1	8.7	8.7
USOHS	00	Z	850	11	42.5	-32.5
USSOM	00	Z	850	9	38.5	-20.2
USUND	12	Z	850	1	8.6	-8.6
USUND	00	Z	850	8	3.1	-0.7
USVAL	12	Z	850	1	15.0	-15.0
USVAL	00	Z	850	8	14.1	12.1
USVPI	00	Z	850	2	9.4	7.9
WDK38H	12	Z	850	15	12.9	-12.5
WFF	12	Z	850	6	6.9	-4.3
WFF	00	Z	850	3	20.4	-15.2
YLV96W	12	Z	850	10	31.7	7.9
YLV96W	00	Z	850	8	31.9	13.1
ZVQEQC	12	Z	850	8	2.3	-0.7

4.8 Table 20 - Radiosonde Monitoring Statistics (EUCOS): 850 hPa Wind (m/s)

RADIOSONDE MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND (M/S)
 LEVEL : 850 HPA
 AREA : 0 - 90N, 100W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
01001	00	V	850	28	3.7	0.1	-0.4
01001	12	V	850	28	4.2	0.2	0.4
01028	00	V	850	28	2.5	-0.2	0.1
01028	12	V	850	28	3.0	-0.1	-0.2
01400	12	V	850	26	2.8	-0.2	0.0
01400	00	V	850	26	2.5	0.3	-0.3
01415	12	V	850	27	3.2	-0.2	0.0
01415	00	V	850	27	3.1	0.3	0.0
02836	00	V	850	28	2.6	0.1	0.2
02836	12	V	850	28	2.5	0.2	-0.2
02963	00	V	850	28	2.2	-0.6	0.4
02963	12	V	850	28	2.1	-0.3	-0.2
03005	12	V	850	28	3.7	-0.1	0.6
03005	00	V	850	27	2.5	-0.6	-0.1
03238	12	V	850	1	1.9	1.0	-1.6
03238	00	V	850	26	2.3	0.1	0.1
03808	00	V	850	28	3.0	-0.5	-0.5
03808	12	V	850	28	3.0	0.2	-0.3
03918	12	V	850	1	1.3	0.6	-1.2
03918	00	V	850	28	2.3	-0.3	-0.1
03953	00	V	850	28	3.1	0.4	0.7
03953	12	V	850	28	4.3	1.1	-0.4
04018	00	V	850	25	3.3	-0.1	-0.3
04018	12	V	850	26	3.7	-0.1	0.0
04220	00	V	850	28	4.0	0.4	0.2
04220	12	V	850	28	3.3	0.1	-0.2
04270	00	V	850	28	4.7	1.5	0.7
04270	12	V	850	28	3.7	0.8	0.1
04320	12	V	850	28	3.5	0.3	1.1
04320	00	V	850	28	4.0	-1.2	0.2
04339	00	V	850	26	4.4	1.2	0.9
04339	12	V	850	27	3.6	-0.5	-0.2
04360	12	V	850	27	5.1	1.2	0.6
04360	00	V	850	28	5.5	1.2	0.9
06011	12	V	850	28	2.7	-0.3	0.2
06260	00	V	850	26	2.3	0.0	0.1
06260	12	V	850	7	7.0	1.1	-2.7
06610	12	V	850	28	2.6	-0.5	-0.1
06610	00	V	850	28	2.4	-0.1	0.0

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
07110	12	V	850	28	2.6	0.7	0.4
07110	00	V	850	27	2.7	-0.2	-0.4
07510	12	V	850	28	3.0	-0.8	0.2
07510	00	V	850	28	3.7	-0.1	-0.4
07645	12	V	850	28	3.9	-0.5	0.5
07645	00	V	850	28	3.3	-0.7	0.7
07761	12	V	850	27	3.4	-0.6	0.0
07761	00	V	850	28	3.9	-0.9	0.1
08001	12	V	850	28	2.6	0.4	-0.4
08001	00	V	850	27	2.9	-0.2	0.4
08221	12	V	850	28	2.8	-0.6	-0.6
08221	00	V	850	28	2.9	-0.2	-0.4
08302	12	V	850	27	3.6	-0.2	-0.1
08302	00	V	850	26	3.7	0.5	0.4
08508	12	V	850	27	3.1	0.2	-1.0
08522	12	V	850	28	3.7	-0.2	-0.4
10035	00	V	850	28	2.6	0.2	0.1
10035	12	V	850	28	2.8	0.9	0.1
10393	12	V	850	28	2.5	0.2	-0.3
10393	00	V	850	28	2.0	0.1	0.2
10410	00	V	850	28	2.2	0.3	0.4
10410	12	V	850	28	1.7	0.0	0.2
10739	12	V	850	28	2.9	0.2	-0.2
10739	00	V	850	28	2.4	0.0	0.0
11035	12	V	850	28	3.0	0.6	0.2
11035	00	V	850	28	2.9	-0.6	0.6
12982	12	V	850	28	2.9	-0.1	-1.0
12982	00	V	850	28	3.2	-0.3	-0.8
16245	12	V	850	28	3.3	0.1	0.7
16245	00	V	850	27	2.7	0.0	0.0
16429	12	V	850	28	2.4	-0.1	0.3
16429	00	V	850	27	2.6	-0.1	0.6
16622	00	V	850	27	3.1	0.1	-0.2
16754	00	V	850	22	3.7	0.2	-1.5
17607	12	V	850	24	3.5	0.0	0.3
26435	12	V	850	14	1.7	-0.6	-0.2
60018	12	V	850	27	3.7	-0.2	-0.7
60018	00	V	850	27	3.3	0.6	0.2
7JUNA4	12	V	850	9	2.6	-0.1	0.5
7JUNA4	00	V	850	7	2.3	0.2	-0.6
9ZT9MR	12	V	850	7	10.3	4.4	1.1
9ZT9MR	00	V	850	11	5.3	1.3	0.8
ATGU3F	12	V	850	11	2.8	0.8	-0.2

RADIOSONDE MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	OBS RECD	RMS	UBIAS	VBIAS
ATGU3F	00	V	850	11	2.8	-0.8	0.0
GKA32C	12	V	850	9	1.9	0.2	0.3
GKA32C	00	V	850	9	2.7	-0.5	-0.8
JNKN7J	12	V	850	6	1.4	0.1	0.2
JNKN7J	00	V	850	8	2.8	-0.3	1.1
KMPLHP	12	V	850	11	3.4	0.0	-1.5
KMPLHP	00	V	850	12	3.0	0.2	0.4
LRVQE3	12	V	850	10	2.0	-0.6	0.1
LRVQE3	00	V	850	7	2.9	-0.1	0.5
PTEVO	12	V	850	2	1.4	0.4	0.0
TLH	12	V	850	3	2.2	0.7	0.8
TLH	00	V	850	4	1.6	0.3	0.2
USALY	00	V	850	6	5.0	1.3	-1.2
USCLL	00	V	850	13	2.4	-0.5	0.8
USCOU	00	V	850	7	2.5	-0.2	0.7
USCOU	12	V	850	1	1.8	1.5	1.0
USIUB	00	V	850	1	3.8	1.5	-3.5
USIUB	12	V	850	1	2.3	2.0	-1.2
USOHS	00	V	850	7	1.8	0.6	-0.2
USSOM	00	V	850	8	2.8	0.7	0.5
USUND	12	V	850	1	1.7	1.5	-0.7
USUND	00	V	850	6	2.6	0.2	0.6
USVAL	12	V	850	1	3.0	-1.2	2.7
USVAL	00	V	850	7	3.0	0.0	-0.9
USVPI	00	V	850	2	1.8	0.4	1.7
WDK38H	12	V	850	15	3.8	-0.6	0.7
WFF	12	V	850	6	5.2	1.0	2.3
WFF	00	V	850	3	1.3	0.6	-0.5
YLV96W	12	V	850	10	2.9	-1.4	0.1
YLV96W	00	V	850	8	3.8	-1.7	-1.0
ZVQEQC	12	V	850	8	2.5	-0.1	0.8

4.9 Table 21 - Drifter Monitoring Statistics (EUCOS): Surface pressure (hpa)

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : SURFACE PRESSURE (HPA)
 AREA : 10N - 90N, 70W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

TIME = 99 => AVERAGE OF ALL OBSERVATIONS
 GROSS ERROR LIMIT = 15 HPA

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
0000001	99	P	SUR	44	14	699	0	0.4	-0.1	0.4
0000002	99	P	SUR	41	17	675	0	0.5	-0.1	0.5
0000003	99	P	SUR	39	17	933	0	0.5	0.4	0.7
0000005	99	P	SUR	41	8	70	0	0.7	-0.1	0.7
0000008	99	P	SUR	41	13	899	0	0.4	0.9	1.0
0000009	99	P	SUR	44	10	538	0	0.4	-0.2	0.5
0000020	99	P	SUR	45	13	860	0	0.5	0.7	0.9
0000023	99	P	SUR	42	12	810	0	0.4	-0.6	0.7
0000025	99	P	SUR	39	16	890	0	0.4	-0.2	0.5
0000026	99	P	SUR	37	15	856	0	0.5	-0.2	0.5
0000027	99	P	SUR	42	15	860	0	0.4	-0.1	0.5
1300008	99	P	SUR	15	-38	534	0	0.2	0.2	0.3
1300130	99	P	SUR	28	-16	668	0	0.4	0.2	0.4
1300131	99	P	SUR	28	-17	670	0	0.4	0.3	0.5
1301622	99	P	SUR	34	-42	672	16	1.4	0.3	1.4
1301726	99	P	SUR	31	-54	666	0	0.3	-0.1	0.4
1301773	99	P	SUR	31	-51	561	2	1.2	0.0	1.2
1301778	99	P	SUR	22	-59	667	0	0.3	-0.1	0.3
1301782	99	P	SUR	47	-16	666	0	0.4	0.0	0.4
1301784	99	P	SUR	29	-14	666	0	0.3	0.1	0.3
1301785	99	P	SUR	33	-22	665	0	0.3	0.1	0.3
1301805	99	P	SUR	64	-25	666	0	0.5	0.4	0.7
1301806	99	P	SUR	50	-45	667	0	0.5	0.2	0.6
1301808	99	P	SUR	63	-13	667	0	0.5	0.4	0.7
1301809	99	P	SUR	49	-44	667	0	0.5	0.2	0.5
1301810	99	P	SUR	26	-36	666	0	0.2	-0.1	0.3
1301814	99	P	SUR	27	-35	666	0	0.3	0.2	0.3
1301819	99	P	SUR	27	-56	666	0	0.4	-0.4	0.5
1301823	99	P	SUR	29	-52	666	0	0.3	0.0	0.3
1801670	99	P	SUR	51	-13	606	0	0.4	0.2	0.5
1801675	99	P	SUR	58	-24	477	0	0.5	0.2	0.6
1801695	99	P	SUR	50	-38	666	0	0.7	-0.3	0.7
1801716	99	P	SUR	27	-44	665	0	0.6	0.9	1.1
1801732	99	P	SUR	45	-23	667	0	0.4	-0.2	0.5
1801777	99	P	SUR	35	-33	672	0	0.4	0.2	0.5
1801778	99	P	SUR	50	-27	672	0	0.4	-0.3	0.5

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
1801943	99	P	SUR	44	-50	275	0	0.6	0.3	0.7
1801944	99	P	SUR	45	-52	294	0	0.7	-0.4	0.8
1801945	99	P	SUR	46	-41	671	0	0.6	0.4	0.7
1801946	99	P	SUR	44	-36	672	0	0.5	0.0	0.5
1801951	99	P	SUR	35	19	254	0	0.4	0.5	0.6
2801968	99	P	SUR	50	-9	441	0	0.4	0.1	0.4
2801970	99	P	SUR	29	-13	666	0	0.3	-0.2	0.4
2801979	99	P	SUR	61	-57	667	0	0.5	0.1	0.5
2801980	99	P	SUR	60	-47	666	1	0.4	0.2	0.5
2802007	99	P	SUR	22	-50	665	0	0.3	0.2	0.4
2802008	99	P	SUR	65	-40	659	0	0.9	-0.1	0.9
2802010	99	P	SUR	18	-61	603	0	0.8	1.3	1.5
2802011	99	P	SUR	42	-27	669	0	0.4	-0.4	0.6
2802021	99	P	SUR	38	20	94	0	0.4	-0.2	0.5
2802022	99	P	SUR	31	-38	666	0	0.3	-0.1	0.3
2802100	99	P	SUR	71	0	627	0	0.4	0.4	0.5
2802124	99	P	SUR	26	-38	567	0	0.3	0.2	0.3
2802243	99	P	SUR	44	-50	275	0	0.5	0.2	0.6
2802244	99	P	SUR	51	-34	670	18	2.3	-0.6	2.4
2802246	99	P	SUR	53	-50	628	0	0.4	0.2	0.4
3801571	99	P	SUR	39	-23	420	0	0.3	0.3	0.4
3801575	99	P	SUR	60	-4	571	0	0.4	0.1	0.4
3801596	99	P	SUR	30	-46	668	0	0.3	-0.2	0.4
3801598	99	P	SUR	38	-46	440	0	0.5	-0.1	0.5
3801612	99	P	SUR	25	-53	666	0	0.4	0.0	0.4
3801620	99	P	SUR	38	15	471	0	0.6	-0.1	0.6
3801625	99	P	SUR	20	-54	665	0	0.3	0.8	0.9
3801676	99	P	SUR	79	16	152	77	2.6	-1.4	3.0
3801825	99	P	SUR	50	-54	226	0	0.5	0.1	0.5
3801834	99	P	SUR	42	-37	671	0	0.5	0.2	0.5
3801835	99	P	SUR	42	-42	672	0	0.5	0.2	0.5
3801836	99	P	SUR	44	-51	293	0	0.7	0.3	0.7
3801838	99	P	SUR	46	-44	672	0	0.6	0.1	0.6
3801839	99	P	SUR	49	-35	668	0	0.9	-0.1	0.9
3801840	99	P	SUR	44	-47	672	0	0.6	0.7	0.9
3801841	99	P	SUR	51	-49	606	0	0.5	-0.2	0.6
3801846	99	P	SUR	34	20	252	0	0.3	0.0	0.3
4100043	99	P	SUR	21	-65	4032	0	0.3	-0.6	0.7
4100044	99	P	SUR	22	-59	4032	0	0.3	-0.4	0.5
4100046	99	P	SUR	24	-68	4031	0	0.3	-0.1	0.3
4100049	99	P	SUR	28	-62	4032	0	0.4	-0.8	0.8
4100052	99	P	SUR	18	-65	3347	0	0.3	-0.7	0.8
4100053	99	P	SUR	18	-66	3342	0	0.3	-0.7	0.7

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
4100056	99	P	SUR	18	-65	3348	0	0.3	-0.6	0.6
4101725	99	P	SUR	18	-63	667	0	0.2	-0.1	0.3
4101727	99	P	SUR	33	-60	672	0	1.7	0.0	1.7
4101728	99	P	SUR	29	-30	671	0	0.3	0.5	0.6
4101729	99	P	SUR	28	-56	672	0	1.1	0.1	1.1
4101861	99	P	SUR	39	-36	311	0	1.9	1.0	2.2
4101870	99	P	SUR	24	-55	666	0	0.4	-0.2	0.4
4101873	99	P	SUR	31	-39	667	0	0.3	-0.1	0.3
4101875	99	P	SUR	21	-36	667	0	0.3	0.2	0.3
4101877	99	P	SUR	31	-18	668	0	0.3	0.1	0.3
4101878	99	P	SUR	29	-15	667	0	0.3	0.1	0.3
41043	99	P	SUR	21	-65	672	0	0.3	-0.6	0.7
41044	99	P	SUR	22	-59	672	0	0.3	-0.4	0.5
41046	99	P	SUR	24	-68	672	0	0.3	-0.1	0.3
41049	99	P	SUR	28	-62	672	0	0.4	-0.8	0.9
41052	99	P	SUR	18	-65	540	0	0.2	-0.7	0.8
41053	99	P	SUR	19	-66	612	0	0.3	-0.7	0.8
41056	99	P	SUR	18	-66	576	0	0.3	-0.6	0.7
4200060	99	P	SUR	16	-63	4032	0	0.2	-0.3	0.4
4200085	99	P	SUR	18	-67	3339	0	0.3	-0.5	0.6
42060	99	P	SUR	16	-63	672	0	0.2	-0.3	0.4
42085	99	P	SUR	18	-67	573	0	0.3	-0.5	0.6
4400008	99	P	SUR	40	-69	4032	0	0.6	-0.4	0.7
4400011	99	P	SUR	41	-67	3516	0	0.5	0.2	0.5
4400027	99	P	SUR	44	-67	3736	0	0.5	-1.0	1.1
4400137	99	P	SUR	42	-62	671	0	0.6	0.0	0.6
4400139	99	P	SUR	44	-57	671	0	0.6	-0.3	0.7
4400150	99	P	SUR	43	-64	669	0	0.5	-0.2	0.5
4400258	99	P	SUR	45	-63	664	0	0.5	0.0	0.5
4400488	99	P	SUR	45	-61	672	0	0.5	0.2	0.5
4400489	99	P	SUR	45	-61	671	0	0.5	0.1	0.5
44008	99	P	SUR	41	-69	672	0	0.6	-0.5	0.7
44011	99	P	SUR	41	-67	587	0	0.5	0.3	0.5
4401582	99	P	SUR	45	-22	672	0	0.5	0.2	0.6
4401584	99	P	SUR	29	-67	672	0	0.3	0.0	0.3
4401588	99	P	SUR	69	15	640	0	0.4	-0.1	0.4
44027	99	P	SUR	44	-67	624	0	0.5	-1.0	1.1
4402730	99	P	SUR	33	-38	612	0	0.4	0.0	0.5
4402737	99	P	SUR	58	-51	667	0	0.5	0.0	0.5
4402743	99	P	SUR	46	-11	667	0	0.7	-1.1	1.3
4402744	99	P	SUR	34	-53	668	0	0.4	0.0	0.4
4402749	99	P	SUR	69	2	666	0	0.6	0.1	0.6
4402750	99	P	SUR	56	-17	666	0	0.3	-0.4	0.5

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
4403568	99	P	SUR	31	-35	672	0	0.3	0.3	0.5
44078	99	P	SUR	60	-40	669	0	0.7	-0.1	0.7
44137	99	P	SUR	42	-62	671	0	0.6	0.0	0.6
44139	99	P	SUR	44	-57	671	0	0.6	-0.3	0.7
44150	99	P	SUR	43	-64	669	0	0.5	-0.2	0.5
44258	99	P	SUR	45	-63	664	0	0.5	0.0	0.5
44488	99	P	SUR	45	-61	672	0	0.5	0.1	0.5
44489	99	P	SUR	46	-61	671	0	0.5	0.2	0.5
4601782	99	P	SUR	34	-28	665	0	0.5	0.8	1.0
4701527	99	P	SUR	63	-26	672	0	0.4	-0.1	0.5
4701548	99	P	SUR	76	-10	644	0	0.6	-0.1	0.6
4701555	99	P	SUR	64	-22	17	0	0.5	-5.7	5.8
4701558	99	P	SUR	79	-18	56	0	0.4	-4.6	4.6
4801763	99	P	SUR	64	-6	672	0	0.9	-9.8	9.8
4802582	99	P	SUR	64	-18	557	0	0.5	-10.1	10.1
4802594	99	P	SUR	64	-16	672	0	0.4	-0.4	0.6
4802664	99	P	SUR	83	-56	672	0	0.4	0.1	0.4
4803997	99	P	SUR	45	-21	624	0	0.4	-0.2	0.5
4804003	99	P	SUR	48	-43	635	0	0.4	0.0	0.4
4804044	99	P	SUR	35	18	560	0	0.3	0.1	0.3
4804127	99	P	SUR	30	-35	665	0	0.3	0.2	0.4
4804130	99	P	SUR	15	-40	632	0	0.3	-0.4	0.5
4804178	99	P	SUR	84	-44	55	0	0.7	0.3	0.8
4804271	99	P	SUR	45	-54	671	0	0.5	0.1	0.5
4804282	99	P	SUR	37	20	237	0	0.3	0.1	0.3
5801972	99	P	SUR	33	-17	664	0	0.3	-0.1	0.3
5802011	99	P	SUR	18	-49	667	0	0.2	0.2	0.3
5802026	99	P	SUR	37	-10	666	0	0.4	-0.2	0.4
5802033	99	P	SUR	21	-42	665	0	0.7	1.0	1.2
5802060	99	P	SUR	84	-27	672	0	0.6	-0.3	0.7
5802095	99	P	SUR	49	-45	650	0	0.5	-0.1	0.5
5802112	99	P	SUR	20	-47	631	0	0.3	0.2	0.3
5802118	99	P	SUR	25	-43	501	0	0.3	0.2	0.4
5802227	99	P	SUR	44	-47	670	670	0.0	0.0	0.0
5802228	99	P	SUR	50	-58	665	124	5.3	2.8	6.0
5802253	99	P	SUR	45	-31	670	52	2.4	-0.4	2.5
5802267	99	P	SUR	35	20	252	0	0.3	0.1	0.3
6100001	99	P	SUR	43	8	670	0	0.4	-0.1	0.4
6100002	99	P	SUR	42	5	666	0	0.5	-0.1	0.5
6100196	99	P	SUR	42	4	669	0	0.5	0.3	0.6
6100197	99	P	SUR	40	4	669	0	0.5	0.4	0.6
6100198	99	P	SUR	37	-2	667	0	0.6	0.0	0.6
6100207	99	P	SUR	37	15	93	0	0.2	-0.2	0.2

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
6100210	99	P	SUR	39	17	110	0	0.3	0.2	0.4
6100211	99	P	SUR	39	16	54	0	0.2	-0.1	0.2
6100214	99	P	SUR	41	13	108	0	0.2	1.0	1.0
6100215	99	P	SUR	41	17	110	0	0.2	0.0	0.2
6100216	99	P	SUR	42	12	107	0	0.2	-0.5	0.5
6100217	99	P	SUR	42	15	95	0	0.2	0.1	0.2
6100218	99	P	SUR	44	14	71	0	0.2	0.1	0.2
6100219	99	P	SUR	44	10	75	0	0.1	0.0	0.2
6100220	99	P	SUR	45	13	109	0	0.2	0.8	0.9
6100280	99	P	SUR	41	1	666	0	0.6	0.0	0.6
6100281	99	P	SUR	40	0	667	0	0.8	0.0	0.8
6100417	99	P	SUR	38	0	539	6	4.1	-2.2	4.6
6100430	99	P	SUR	40	2	671	0	0.4	0.2	0.5
6101031	99	P	SUR	42	8	670	0	0.4	0.0	0.4
6101032	99	P	SUR	42	10	565	0	0.4	0.2	0.4
6101033	99	P	SUR	43	8	670	0	0.4	0.2	0.5
6101034	99	P	SUR	42	6	672	0	0.6	-0.3	0.6
6101035	99	P	SUR	41	7	671	0	0.4	0.1	0.4
6101036	99	P	SUR	42	7	672	0	0.5	0.0	0.5
6200001	99	P	SUR	45	-5	672	0	0.4	0.1	0.4
6200024	99	P	SUR	44	-3	557	0	0.6	0.0	0.6
6200025	99	P	SUR	44	-6	447	0	0.5	0.0	0.5
6200029	99	P	SUR	49	-12	671	0	0.4	-0.2	0.5
6200050	99	P	SUR	50	-4	671	0	0.4	0.0	0.4
6200081	99	P	SUR	51	-13	671	0	0.4	-0.2	0.4
6200082	99	P	SUR	44	-8	487	0	0.6	0.0	0.6
6200083	99	P	SUR	43	-9	195	0	0.4	0.1	0.4
6200084	99	P	SUR	42	-9	668	0	0.5	0.3	0.5
6200085	99	P	SUR	36	-7	177	0	0.3	0.3	0.5
6200086	99	P	SUR	55	7	21	0	0.8	-0.6	1.0
6200087	99	P	SUR	55	7	329	0	0.6	-0.8	1.0
6200091	99	P	SUR	53	-5	672	0	0.4	-0.1	0.4
6200092	99	P	SUR	51	-11	672	0	0.4	-0.1	0.4
6200093	99	P	SUR	55	-10	672	3	0.7	0.2	0.7
6200094	99	P	SUR	52	-7	672	0	0.4	-0.2	0.4
6200095	99	P	SUR	53	-16	672	0	0.5	-0.3	0.6
6200103	99	P	SUR	50	-3	236	0	0.5	0.0	0.5
6200163	99	P	SUR	47	-8	672	0	0.4	-0.1	0.4
6200442	99	P	SUR	49	-16	672	2	0.4	-0.3	0.5
6201065	99	P	SUR	54	7	378	0	0.3	1.2	1.2
6201066	99	P	SUR	55	7	612	0	0.4	0.3	0.5
6202598	99	P	SUR	31	-48	671	9	2.1	0.2	2.2
6202599	99	P	SUR	46	-41	671	0	0.5	0.3	0.6

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
62029	99	P	SUR	49	-13	1342	0	0.4	-0.2	0.5
62030	99	P	SUR	50	-4	1344	0	0.4	-0.1	0.4
6203615	99	P	SUR	34	-30	672	0	0.5	0.4	0.6
6203625	99	P	SUR	35	-35	672	17	4.0	-0.8	4.0
6203632	99	P	SUR	38	-24	672	0	1.4	0.5	1.4
6203639	99	P	SUR	32	-33	671	0	1.6	0.0	1.6
6203662	99	P	SUR	75	-19	671	0	0.6	-0.5	0.8
6203666	99	P	SUR	57	-48	672	0	1.4	0.5	1.5
6203668	99	P	SUR	80	14	672	0	0.5	-0.5	0.7
6203672	99	P	SUR	22	-50	672	0	0.2	0.3	0.4
6203674	99	P	SUR	56	-28	671	0	0.4	0.0	0.4
6203676	99	P	SUR	61	-30	671	14	3.1	0.4	3.1
6203677	99	P	SUR	33	-14	672	0	0.3	0.0	0.3
6203679	99	P	SUR	27	-31	671	0	0.3	0.2	0.3
6203680	99	P	SUR	64	-9	61	12	4.9	-5.5	7.4
6203682	99	P	SUR	20	-34	400	95	1.3	1.8	2.2
6203683	99	P	SUR	23	-25	672	0	0.3	0.4	0.5
6203684	99	P	SUR	45	-9	672	0	0.6	0.3	0.7
6203686	99	P	SUR	23	-52	672	0	0.3	0.1	0.3
6203687	99	P	SUR	22	-70	672	0	0.3	0.0	0.3
6203689	99	P	SUR	80	6	373	64	4.5	1.2	4.7
6203773	99	P	SUR	32	-39	386	0	0.4	-0.5	0.7
6203829	99	P	SUR	71	26	620	0	0.5	-0.5	0.7
6203831	99	P	SUR	71	30	235	5	1.6	-0.1	1.7
6203834	99	P	SUR	71	26	442	1	0.6	-0.3	0.6
6203836	99	P	SUR	65	-26	668	0	0.5	0.4	0.7
6203849	99	P	SUR	38	-21	667	0	0.3	0.0	0.3
6203853	99	P	SUR	79	40	666	0	0.5	0.2	0.5
6203854	99	P	SUR	71	14	667	0	0.5	0.2	0.5
6204523	99	P	SUR	43	-50	671	0	0.6	0.4	0.7
6204524	99	P	SUR	42	-51	670	0	0.5	0.5	0.7
6204525	99	P	SUR	43	-53	671	92	3.8	-0.5	3.8
6204526	99	P	SUR	45	-37	671	76	3.8	-0.2	3.8
6204527	99	P	SUR	46	-39	671	0	0.5	0.3	0.6
6204528	99	P	SUR	48	-29	672	0	0.9	-0.1	0.9
6204529	99	P	SUR	43	-39	377	12	4.9	-2.4	5.4
6204530	99	P	SUR	46	-27	672	0	0.6	0.1	0.6
6204531	99	P	SUR	43	-38	474	9	2.0	-0.4	2.0
6204532	99	P	SUR	43	-34	672	0	0.7	0.2	0.7
6204533	99	P	SUR	45	-40	445	11	4.3	-1.0	4.4
6204534	99	P	SUR	40	-50	671	0	0.6	0.2	0.6
6204535	99	P	SUR	42	-40	672	0	0.5	0.3	0.6
6204536	99	P	SUR	44	-53	671	72	3.5	-0.7	3.6

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
6204537	99	P	SUR	44	-56	672	0	0.5	0.5	0.7
62050	99	P	SUR	50	-4	1341	0	0.4	0.0	0.4
62081	99	P	SUR	51	-13	1344	0	0.4	-0.2	0.5
62091	99	P	SUR	53	-5	672	0	0.4	-0.1	0.4
62092	99	P	SUR	51	-11	672	0	0.4	-0.1	0.4
62093	99	P	SUR	55	-10	672	3	0.7	0.2	0.7
62094	99	P	SUR	52	-7	672	0	0.4	-0.2	0.4
62095	99	P	SUR	53	-16	672	0	0.5	-0.3	0.6
62102	99	P	SUR	58	2	1344	0	1.0	1.0	1.4
62103	99	P	SUR	50	-3	1343	0	0.4	0.0	0.4
62104	99	P	SUR	57	1	1344	0	0.5	0.3	0.6
62105	99	P	SUR	55	-13	1342	0	0.5	0.0	0.5
62107	99	P	SUR	50	-6	1344	0	0.4	-0.4	0.6
62112	99	P	SUR	58	0	1342	0	0.4	0.3	0.5
62113	99	P	SUR	58	0	1344	0	0.5	-0.2	0.6
62114	99	P	SUR	58	0	1344	0	0.4	0.3	0.5
62115	99	P	SUR	58	-3	214	0	0.4	0.1	0.4
62116	99	P	SUR	58	1	1344	0	0.5	0.3	0.6
62118	99	P	SUR	58	1	1344	0	0.4	0.3	0.5
62119	99	P	SUR	57	2	1344	0	0.4	-0.1	0.5
62120	99	P	SUR	56	2	1344	0	0.5	-0.4	0.6
62121	99	P	SUR	54	3	1344	0	0.5	0.3	0.6
62122	99	P	SUR	57	2	1336	0	0.4	0.0	0.4
62124	99	P	SUR	54	-4	1344	0	0.4	0.1	0.5
62127	99	P	SUR	54	1	1344	0	0.3	0.1	0.4
62129	99	P	SUR	58	0	594	0	0.5	0.0	0.5
62130	99	P	SUR	59	1	1342	0	0.4	-0.5	0.6
62131	99	P	SUR	54	1	1344	0	0.5	0.8	0.9
62132	99	P	SUR	56	2	1344	0	0.5	0.2	0.6
62133	99	P	SUR	57	1	1344	0	0.7	0.7	1.0
62134	99	P	SUR	58	1	1336	0	0.3	0.2	0.4
62138	99	P	SUR	54	0	1344	0	0.4	0.4	0.5
62140	99	P	SUR	57	1	1344	0	0.3	0.3	0.4
62143	99	P	SUR	58	2	1344	0	0.4	0.6	0.7
62144	99	P	SUR	53	2	1344	0	0.3	0.1	0.4
62145	99	P	SUR	53	3	1344	0	0.4	0.1	0.4
62146	99	P	SUR	57	2	1344	0	0.4	0.1	0.4
62148	99	P	SUR	54	2	1344	0	0.5	0.1	0.5
62149	99	P	SUR	54	1	1344	0	0.3	0.3	0.5
62151	99	P	SUR	57	2	1344	0	0.7	0.8	1.1
62152	99	P	SUR	57	2	1236	0	0.4	0.2	0.5
62153	99	P	SUR	57	2	1336	0	0.5	0.2	0.5
62155	99	P	SUR	58	1	1344	0	0.4	0.3	0.5

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
62157	99	P	SUR	58	0	1344	0	0.3	-0.2	0.4
62160	99	P	SUR	57	2	1342	0	0.5	0.5	0.7
62161	99	P	SUR	58	1	1338	0	0.5	-0.3	0.6
62162	99	P	SUR	57	1	1344	0	0.3	0.0	0.3
62163	99	P	SUR	48	-9	1344	0	0.4	-0.1	0.4
62164	99	P	SUR	57	1	1344	0	0.3	0.6	0.7
62165	99	P	SUR	54	1	1332	0	0.4	0.1	0.5
62168	99	P	SUR	58	1	1340	0	0.4	0.0	0.4
62170	99	P	SUR	51	2	1344	0	0.4	-0.4	0.5
62302	99	P	SUR	61	-2	1336	0	0.4	-0.1	0.4
62304	99	P	SUR	51	2	1344	0	0.4	-0.1	0.4
62305	99	P	SUR	50	0	1344	0	0.4	-0.2	0.5
62442	99	P	SUR	49	-16	1344	4	0.4	-0.3	0.5
6301003	99	P	SUR	74	24	683	0	0.4	-0.3	0.5
6301004	99	P	SUR	72	20	640	0	0.4	-0.2	0.5
6301583	99	P	SUR	59	-53	419	64	3.3	-0.6	3.4
6301584	99	P	SUR	79	-15	670	0	0.5	0.3	0.5
6301587	99	P	SUR	85	-53	672	0	0.6	0.3	0.7
6301634	99	P	SUR	70	-20	672	0	0.7	0.2	0.7
6301636	99	P	SUR	67	-26	672	43	4.1	1.0	4.2
6301638	99	P	SUR	83	-6	672	0	0.6	0.4	0.7
6301641	99	P	SUR	86	-24	672	0	0.5	0.1	0.5
63055	99	P	SUR	61	2	1214	0	0.4	-0.1	0.4
63056	99	P	SUR	60	2	1344	0	0.5	0.5	0.7
63057	99	P	SUR	59	2	1334	0	0.4	-0.3	0.5
63058	99	P	SUR	53	2	866	0	0.3	0.1	0.3
63059	99	P	SUR	58	-1	1344	0	0.4	0.2	0.5
63102	99	P	SUR	61	1	1344	0	0.4	-0.1	0.5
63108	99	P	SUR	61	2	1246	0	0.5	-0.2	0.5
63109	99	P	SUR	60	2	1344	0	0.5	-0.5	0.7
63110	99	P	SUR	60	2	1344	0	0.5	0.2	0.6
63111	99	P	SUR	61	2	1344	0	0.4	-0.3	0.5
63112	99	P	SUR	61	1	1342	0	0.3	-0.3	0.5
63115	99	P	SUR	62	1	1343	0	0.5	-0.1	0.5
63118	99	P	SUR	57	2	1344	0	0.6	-0.4	0.7
6400045	99	P	SUR	59	-12	671	0	0.5	0.2	0.5
6400046	99	P	SUR	61	-4	672	0	0.4	-0.2	0.4
6401599	99	P	SUR	85	-55	671	0	0.6	0.5	0.7
6401601	99	P	SUR	77	-5	672	0	0.6	0.2	0.7
6401602	99	P	SUR	83	-18	672	0	0.6	0.5	0.8
6402616	99	P	SUR	31	-55	621	0	0.4	0.1	0.4
6402617	99	P	SUR	35	-43	607	0	0.4	0.2	0.5
6402621	99	P	SUR	27	-51	633	0	0.3	0.4	0.5

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
6402631	99	P	SUR	34	18	664	0	0.3	0.2	0.3
6402632	99	P	SUR	37	0	458	0	0.5	0.2	0.6
6402633	99	P	SUR	38	11	241	0	0.3	0.2	0.4
6402637	99	P	SUR	37	7	36	0	0.4	-3.2	3.3
64041	99	P	SUR	61	-3	1336	0	0.4	0.0	0.4
64045	99	P	SUR	59	-12	1343	0	0.6	0.2	0.6
64046	99	P	SUR	61	-4	1344	0	0.4	-0.1	0.4
6600021	99	P	SUR	55	14	350	0	0.4	-1.0	1.1
6600024	99	P	SUR	55	13	369	0	0.5	-1.5	1.6
6801771	99	P	SUR	44	-8	658	0	0.4	-0.1	0.4
6801789	99	P	SUR	13	-53	666	0	0.2	0.0	0.2
6801791	99	P	SUR	41	-30	667	0	0.4	0.1	0.5
6801822	99	P	SUR	38	19	307	0	0.6	-0.2	0.6
6801824	99	P	SUR	38	21	400	0	0.5	-2.0	2.1
6801879	99	P	SUR	21	-65	672	0	0.3	0.2	0.3
6801907	99	P	SUR	68	-4	653	0	0.5	0.3	0.6
6801929	99	P	SUR	24	-37	629	0	0.3	0.2	0.4
6802060	99	P	SUR	52	-43	671	0	0.5	0.1	0.5
6802073	99	P	SUR	40	20	214	0	0.5	0.5	0.7
7801572	99	P	SUR	22	-68	667	0	0.3	-0.2	0.4
7801593	99	P	SUR	62	-39	666	0	0.6	0.4	0.7
7801594	99	P	SUR	62	0	668	1	0.9	0.9	1.3
7801616	99	P	SUR	19	-42	412	0	0.4	0.8	0.9
7801627	99	P	SUR	22	-55	666	0	0.3	0.3	0.4
7801633	99	P	SUR	39	20	449	0	0.5	-0.2	0.5
7801645	99	P	SUR	34	25	266	0	0.3	0.0	0.3
7801647	99	P	SUR	29	-50	667	0	0.3	-0.1	0.4
7801697	99	P	SUR	27	-31	671	0	0.3	0.0	0.3
7801699	99	P	SUR	37	-36	671	79	2.1	0.0	2.1
7801723	99	P	SUR	79	-13	661	0	0.5	0.2	0.5
7801742	99	P	SUR	24	-40	595	0	0.3	0.2	0.3
7801755	99	P	SUR	21	-35	510	0	0.3	0.0	0.3
7810095	99	P	SUR	54	-27	666	0	0.4	0.1	0.4
7810096	99	P	SUR	45	-43	668	0	0.6	0.1	0.6
7810097	99	P	SUR	43	-54	667	0	0.7	0.1	0.7
7810098	99	P	SUR	46	-32	667	0	0.5	-0.2	0.6
7810099	99	P	SUR	47	-17	667	0	0.4	-0.6	0.7
7810258	99	P	SUR	38	21	147	0	0.3	-0.1	0.3
7810260	99	P	SUR	40	17	88	0	2.9	2.3	3.7
7810262	99	P	SUR	43	17	608	0	0.4	-0.3	0.5
7810263	99	P	SUR	43	-56	667	0	0.6	-0.8	1.1
7810264	99	P	SUR	43	-42	669	0	0.6	-0.3	0.7
7810265	99	P	SUR	43	-42	667	0	0.6	0.0	0.6

DRIFTER MONITORING STATISTICS (EUCOS)
(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	SD	BIAS	RMS
7810266	99	P	SUR	40	-56	667	0	0.6	0.6	0.8
7810268	99	P	SUR	20	-28	666	0	0.3	0.2	0.4
7810290	99	P	SUR	37	-53	664	0	0.6	-0.2	0.6
7810310	99	P	SUR	31	-23	667	0	0.3	-0.1	0.3
7810312	99	P	SUR	36	-25	665	0	0.3	0.0	0.3
7810437	99	P	SUR	55	-52	253	0	0.4	0.3	0.5
7810438	99	P	SUR	54	-52	257	0	0.4	0.4	0.6
7810439	99	P	SUR	55	-51	252	0	0.4	0.7	0.8
7810440	99	P	SUR	54	-51	244	0	0.4	0.4	0.6
7810441	99	P	SUR	54	-51	254	0	0.4	0.3	0.5
7810442	99	P	SUR	48	-43	653	0	0.5	-0.1	0.5
7810445	99	P	SUR	46	-42	658	0	0.5	0.3	0.6
7810446	99	P	SUR	46	-39	653	0	0.6	0.3	0.7
7810608	99	P	SUR	35	-45	665	0	0.5	0.2	0.5
7810609	99	P	SUR	37	-58	672	0	0.6	0.0	0.6
7810611	99	P	SUR	38	-34	667	0	0.4	-0.3	0.5
7810612	99	P	SUR	38	-40	668	0	0.5	0.2	0.5
7810614	99	P	SUR	37	-39	665	0	0.4	0.0	0.4
7810615	99	P	SUR	39	-33	670	0	0.4	-0.2	0.5
7810616	99	P	SUR	42	-47	667	0	0.6	0.3	0.7
7810617	99	P	SUR	38	18	617	0	0.4	0.2	0.5
7810618	99	P	SUR	37	20	566	0	0.4	0.5	0.6
7810765	99	P	SUR	39	-47	304	0	0.5	0.2	0.5
7810766	99	P	SUR	37	-26	172	0	0.4	0.4	0.5
7810768	99	P	SUR	39	-59	391	0	0.5	0.2	0.5
7810770	99	P	SUR	40	-56	376	0	0.7	0.2	0.8
7810771	99	P	SUR	39	-62	395	0	0.8	0.0	0.8
7810772	99	P	SUR	38	-33	205	0	0.4	0.1	0.4
7810773	99	P	SUR	38	-40	251	0	0.5	0.0	0.5
7810774	99	P	SUR	37	-23	147	0	0.3	0.1	0.3
7810775	99	P	SUR	37	-29	191	0	0.4	0.1	0.4
7810777	99	P	SUR	38	-38	234	0	0.5	-0.1	0.5
7810778	99	P	SUR	38	-34	234	0	0.4	-0.1	0.4
7810779	99	P	SUR	38	-68	432	0	0.5	0.1	0.5
7810780	99	P	SUR	37	-21	126	0	0.4	0.0	0.4
7810782	99	P	SUR	40	-53	347	0	0.7	0.2	0.7
7810783	99	P	SUR	40	-50	322	0	0.6	0.2	0.6
7810784	99	P	SUR	38	-44	282	0	0.5	0.3	0.6
7894569	99	P	SUR	51	-32	669	13	1.9	0.0	1.9
7894570	99	P	SUR	51	-32	143	6	7.2	-0.2	7.2
9193264	99	P	SUR	34	-27	3	0	0.3	-0.1	0.3

4.10 Table 22 - Drifter Monitoring Statistics (EUCOS): Wind speed (m/s)

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND SPEED (M/S)
 AREA : 10N - 90N, 70W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

TIME = 99 => AVERAGE OF ALL OBSERVATIONS

GROSS ERROR LIMIT FOR VECTOR WIND = 25 M/S

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
0000001	99	SPEED	SUR	44	14	699	0	0	1.8	0.6	1.9
0000002	99	SPEED	SUR	41	17	676	0	0	1.4	1.0	1.7
0000003	99	SPEED	SUR	39	17	933	0	0	2.0	0.9	2.2
0000005	99	SPEED	SUR	41	8	257	0	0	6.2	-8.2	10.2
0000008	99	SPEED	SUR	41	13	899	0	0	1.9	0.0	1.9
0000009	99	SPEED	SUR	44	10	538	0	0	1.5	0.4	1.6
0000020	99	SPEED	SUR	45	13	860	0	0	1.4	0.4	1.5
0000023	99	SPEED	SUR	42	12	810	0	0	1.8	0.8	2.0
0000025	99	SPEED	SUR	39	16	890	0	0	1.9	1.1	2.2
0000026	99	SPEED	SUR	37	15	856	0	0	2.0	2.4	3.2
0000027	99	SPEED	SUR	42	15	860	0	0	1.7	0.5	1.8
1300008	99	SPEED	SUR	15	-38	534	0	0	0.8	-0.1	0.8
1300130	99	SPEED	SUR	28	-16	663	0	0	1.2	0.1	1.2
1300131	99	SPEED	SUR	28	-17	632	0	0	2.6	1.7	3.1
1801951	99	SPEED	SUR	35	19	254	0	0	3.0	-4.7	5.5
4100043	99	SPEED	SUR	21	-65	4031	0	0	1.2	0.2	1.2
4100044	99	SPEED	SUR	22	-59	4032	0	0	1.2	0.0	1.2
4100046	99	SPEED	SUR	24	-68	3908	0	0	1.2	0.5	1.3
4100049	99	SPEED	SUR	28	-62	4031	0	0	1.2	0.0	1.2
4100052	99	SPEED	SUR	18	-65	3354	0	0	1.3	-0.1	1.3
4100053	99	SPEED	SUR	18	-66	3359	0	0	1.5	1.0	1.8
4100056	99	SPEED	SUR	18	-65	3349	0	0	1.3	0.0	1.3
4100300	99	SPEED	SUR	16	-57	671	0	0	0.9	-0.4	1.0
41043	99	SPEED	SUR	21	-65	671	0	0	1.3	-0.2	1.3
41044	99	SPEED	SUR	22	-59	672	0	0	1.3	-0.5	1.4
41046	99	SPEED	SUR	24	-68	661	0	0	1.3	0.0	1.3
41049	99	SPEED	SUR	28	-62	672	0	0	1.3	-0.6	1.4
41052	99	SPEED	SUR	18	-65	541	0	0	1.2	-0.3	1.3
41053	99	SPEED	SUR	19	-66	617	0	0	1.6	0.0	1.6
41056	99	SPEED	SUR	18	-66	577	0	0	1.4	-0.4	1.4
4200060	99	SPEED	SUR	16	-63	4030	0	0	1.0	0.0	1.0
4200085	99	SPEED	SUR	18	-67	3293	0	0	1.5	0.3	1.5
42060	99	SPEED	SUR	16	-63	670	0	0	1.1	-0.4	1.2
42085	99	SPEED	SUR	18	-67	566	0	0	1.4	0.2	1.4

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF

ELEMENT MONITORED : WIND SPEED (M/S)

(CONTINU

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
4400008	99	SPEED	SUR	40	-69	4005	0	0	1.1	0.2	1.2
4400011	99	SPEED	SUR	41	-67	3515	0	0	1.2	0.2	1.2
4400027	99	SPEED	SUR	44	-67	3735	0	0	1.1	0.2	1.1
4400033	99	SPEED	SUR	44	-69	611	0	0	1.4	0.0	1.4
4400034	99	SPEED	SUR	44	-68	3532	0	0	1.3	0.7	1.5
4400137	99	SPEED	SUR	42	-62	671	0	0	1.2	0.0	1.2
4400139	99	SPEED	SUR	44	-57	671	0	0	1.3	-0.1	1.3
4400150	99	SPEED	SUR	43	-64	669	0	0	1.2	0.1	1.2
4400258	99	SPEED	SUR	45	-63	664	0	0	1.3	0.9	1.6
4400488	99	SPEED	SUR	45	-61	671	0	0	1.5	1.0	1.8
4400489	99	SPEED	SUR	45	-61	669	0	0	1.7	2.1	2.7
44008	99	SPEED	SUR	41	-69	670	0	0	1.3	-0.4	1.3
44011	99	SPEED	SUR	41	-67	586	0	0	1.4	-0.4	1.4
44027	99	SPEED	SUR	44	-67	623	0	0	1.2	-0.2	1.2
44033	99	SPEED	SUR	44	-69	501	0	0	1.5	-0.4	1.5
44034	99	SPEED	SUR	44	-68	483	0	0	1.3	0.2	1.3
44078	99	SPEED	SUR	60	-40	668	0	0	2.9	-3.0	4.1
44137	99	SPEED	SUR	42	-62	671	0	0	1.3	-0.6	1.4
44139	99	SPEED	SUR	44	-57	671	0	0	1.5	-0.6	1.6
44150	99	SPEED	SUR	43	-64	669	0	0	1.3	-0.4	1.4
44258	99	SPEED	SUR	45	-63	664	0	0	1.4	0.5	1.5
44488	99	SPEED	SUR	45	-61	671	0	0	1.5	1.0	1.8
44489	99	SPEED	SUR	46	-61	669	0	0	1.7	2.0	2.6
6100001	99	SPEED	SUR	43	8	670	0	0	2.0	0.7	2.1
6100002	99	SPEED	SUR	42	5	666	0	0	1.8	1.2	2.2
6100196	99	SPEED	SUR	42	4	638	0	0	1.9	-0.4	1.9
6100197	99	SPEED	SUR	40	4	661	0	0	1.5	-0.9	1.8
6100198	99	SPEED	SUR	37	-2	649	0	0	1.8	-0.4	1.8
6100207	99	SPEED	SUR	37	15	93	0	0	1.0	1.2	1.5
6100210	99	SPEED	SUR	39	17	110	0	0	0.9	0.8	1.2
6100211	99	SPEED	SUR	39	16	54	0	0	0.8	0.5	1.0
6100214	99	SPEED	SUR	41	13	108	0	0	0.9	0.3	1.0
6100215	99	SPEED	SUR	41	17	110	0	0	0.8	0.4	0.9
6100216	99	SPEED	SUR	42	12	107	0	0	1.1	0.0	1.1
6100217	99	SPEED	SUR	42	15	95	0	0	1.0	0.0	1.0
6100218	99	SPEED	SUR	44	14	71	0	0	0.9	0.8	1.2
6100219	99	SPEED	SUR	44	10	76	0	0	1.1	1.0	1.5
6100220	99	SPEED	SUR	45	13	109	0	0	0.7	0.0	0.7
6100280	99	SPEED	SUR	41	1	637	0	0	2.0	-0.9	2.2
6100281	99	SPEED	SUR	40	0	618	0	0	2.3	0.8	2.4
6100417	99	SPEED	SUR	38	0	639	0	0	1.5	-0.5	1.6

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF

ELEMENT MONITORED : WIND SPEED (M/S)

(CONTINU

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
6100430	99	SPEED	SUR	40	2	660	0	0	1.5	-0.7	1.7
6101031	99	SPEED	SUR	42	8	670	0	0	1.4	0.9	1.7
6101032	99	SPEED	SUR	42	10	565	0	0	2.0	0.7	2.1
6101033	99	SPEED	SUR	43	8	670	0	0	1.6	1.0	1.8
6101034	99	SPEED	SUR	42	6	672	0	0	1.7	1.3	2.2
6101035	99	SPEED	SUR	41	7	671	0	0	1.5	1.2	1.9
6101036	99	SPEED	SUR	42	7	672	0	0	1.5	0.3	1.5
6200001	99	SPEED	SUR	45	-5	672	0	0	1.2	0.3	1.2
6200024	99	SPEED	SUR	44	-3	543	0	0	2.1	-0.7	2.2
6200025	99	SPEED	SUR	44	-6	441	0	0	2.3	-0.5	2.3
6200029	99	SPEED	SUR	49	-12	671	0	0	1.3	0.2	1.3
6200050	99	SPEED	SUR	50	-4	671	0	0	1.5	-0.3	1.5
6200081	99	SPEED	SUR	51	-13	671	0	0	1.4	-0.3	1.4
6200082	99	SPEED	SUR	44	-8	482	0	0	1.7	-1.2	2.1
6200083	99	SPEED	SUR	43	-9	196	0	0	1.0	-0.9	1.3
6200084	99	SPEED	SUR	42	-9	664	0	0	1.2	-1.8	2.1
6200085	99	SPEED	SUR	36	-7	172	0	0	1.4	-0.7	1.6
6200086	99	SPEED	SUR	55	7	21	0	0	1.3	1.6	2.0
6200087	99	SPEED	SUR	55	7	328	0	0	1.4	1.1	1.8
6200091	99	SPEED	SUR	53	-5	672	0	0	1.3	0.7	1.5
6200092	99	SPEED	SUR	51	-11	672	0	0	1.2	-0.9	1.5
6200093	99	SPEED	SUR	55	-10	672	0	0	1.2	0.6	1.3
6200094	99	SPEED	SUR	52	-7	672	0	0	1.1	-0.5	1.2
6200095	99	SPEED	SUR	53	-16	672	0	0	1.4	-0.3	1.5
6200103	99	SPEED	SUR	50	-3	236	0	0	1.5	0.0	1.5
6200163	99	SPEED	SUR	47	-8	672	0	0	1.3	-0.4	1.3
6200442	99	SPEED	SUR	49	-16	672	0	0	1.4	0.0	1.4
6201065	99	SPEED	SUR	54	7	378	0	0	1.9	-1.0	2.2
6201066	99	SPEED	SUR	55	7	612	0	0	1.5	0.9	1.7
62029	99	SPEED	SUR	49	-13	1342	0	0	1.4	-0.5	1.5
62050	99	SPEED	SUR	50	-4	1341	0	0	1.5	-0.4	1.6
62081	99	SPEED	SUR	51	-13	1344	0	0	1.4	-0.3	1.4
62091	99	SPEED	SUR	53	-5	672	0	0	1.4	1.0	1.7
62092	99	SPEED	SUR	51	-11	672	0	0	1.3	-0.8	1.5
62093	99	SPEED	SUR	55	-10	672	0	0	1.2	0.7	1.4
62094	99	SPEED	SUR	52	-7	672	0	0	1.1	-0.4	1.2
62095	99	SPEED	SUR	53	-16	672	0	0	1.5	-0.2	1.5
62102	99	SPEED	SUR	58	2	1340	0	0	1.6	0.9	1.8
62103	99	SPEED	SUR	50	-3	1343	0	0	1.4	-0.5	1.5
62104	99	SPEED	SUR	57	1	1344	0	0	1.7	-0.7	1.8
62105	99	SPEED	SUR	55	-13	1338	0	0	1.2	-0.1	1.2

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF

ELEMENT MONITORED : WIND SPEED (M/S)

(CONTINU

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
62113	99	SPEED	SUR	58	0	1344	0	0	1.6	-0.4	1.6
62114	99	SPEED	SUR	58	0	1342	0	0	1.3	0.5	1.4
62118	99	SPEED	SUR	58	1	1344	0	0	1.3	1.0	1.6
62119	99	SPEED	SUR	57	2	558	0	0	2.3	-1.2	2.6
62120	99	SPEED	SUR	56	2	1344	0	0	1.4	-0.3	1.5
62121	99	SPEED	SUR	54	3	1344	0	0	1.4	-0.6	1.5
62122	99	SPEED	SUR	57	2	1332	0	0	1.5	0.1	1.5
62129	99	SPEED	SUR	58	0	572	0	0	1.3	0.5	1.4
62133	99	SPEED	SUR	57	1	908	0	0	2.9	-2.0	3.5
62134	99	SPEED	SUR	58	1	1336	0	0	1.4	-1.1	1.8
62140	99	SPEED	SUR	57	1	4	0	0	0.0	-1.9	1.9
62143	99	SPEED	SUR	58	2	1344	0	0	1.7	-0.4	1.7
62144	99	SPEED	SUR	53	2	1344	0	0	2.0	-0.3	2.0
62145	99	SPEED	SUR	53	3	1306	0	0	1.6	1.0	1.9
62146	99	SPEED	SUR	57	2	1344	0	0	1.5	0.1	1.5
62148	99	SPEED	SUR	54	2	1344	0	0	1.6	0.1	1.6
62149	99	SPEED	SUR	54	1	1344	0	0	1.6	-0.2	1.6
62152	99	SPEED	SUR	57	2	1234	0	0	1.5	0.2	1.5
62154	99	SPEED	SUR	56	2	1342	0	0	1.3	0.3	1.4
62155	99	SPEED	SUR	58	1	1344	0	0	1.4	0.5	1.5
62163	99	SPEED	SUR	48	-9	1344	0	0	1.3	-0.4	1.3
62164	99	SPEED	SUR	57	1	1344	0	0	1.6	-1.5	2.2
62165	99	SPEED	SUR	54	1	1332	0	0	1.6	-0.7	1.7
62170	99	SPEED	SUR	51	2	1344	0	0	1.5	0.7	1.7
62304	99	SPEED	SUR	51	2	1344	0	0	1.4	0.7	1.5
62305	99	SPEED	SUR	50	0	1344	0	0	1.6	0.5	1.7
62442	99	SPEED	SUR	49	-16	1344	0	0	1.4	0.0	1.4
6301003	99	SPEED	SUR	74	24	683	0	0	1.2	-0.7	1.4
6301004	99	SPEED	SUR	72	20	639	0	0	1.5	0.5	1.6
63056	99	SPEED	SUR	60	2	1338	0	0	1.5	0.0	1.5
63057	99	SPEED	SUR	59	2	874	0	0	1.9	-0.5	2.0
63058	99	SPEED	SUR	53	2	866	0	0	1.6	0.0	1.6
63108	99	SPEED	SUR	61	2	1244	0	0	1.7	-0.3	1.8
63109	99	SPEED	SUR	60	2	1336	0	0	1.6	0.0	1.6
63110	99	SPEED	SUR	60	2	1340	0	0	1.6	-0.2	1.6
63112	99	SPEED	SUR	61	1	1340	0	0	1.5	-0.9	1.8
63115	99	SPEED	SUR	62	1	1337	0	0	1.7	-0.9	1.9
6400046	99	SPEED	SUR	61	-4	672	0	0	1.2	0.6	1.4
64041	99	SPEED	SUR	61	-3	1320	0	0	1.5	-0.8	1.7
64046	99	SPEED	SUR	61	-4	1344	0	0	1.3	0.5	1.4
6600021	99	SPEED	SUR	55	14	350	0	0	1.4	0.7	1.5

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF

ELEMENT MONITORED : WIND SPEED (M/S)

(CONTINU

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
6600024	99	SPEED	SUR	55	13	367	0	0	2.1	1.0	2.4
6802073	99	SPEED	SUR	40	20	214	0	0	1.9	-2.4	3.1
9193264	99	SPEED	SUR	34	-27	5	0	0	1.1	1.4	1.8

4.11 Table 23 - Drifter Monitoring Statistics (EUCOS): Wind direction

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND DIRECTION (DEGREES)
 AREA : 10N - 90N, 70W - 40E
 PERIOD : FEB 2026
 STANDARD OF COMPARISON: FIRST-GUESS FIELD

TIME = 99 => AVERAGE OF ALL OBSERVATIONS
 GROSS ERROR LIMIT FOR VECTOR WIND = 25 M/S
 WIND SPEEDS > 3M/S USED

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
1300008	99	DIRN	SUR	15	-38	533	0	0	7.6	0.5	7.6
1300130	99	DIRN	SUR	28	-16	530	0	0	9.9	6.5	11.8
1300131	99	DIRN	SUR	28	-17	292	0	0	16.9	-1.0	16.9
4100002	99	DIRN	SUR	32	-75	3740	0	0	15.4	9.3	18.0
4100004	99	DIRN	SUR	33	-79	3798	0	0	14.8	5.9	16.0
4100008	99	DIRN	SUR	31	-81	3382	0	0	17.1	11.5	20.6
4100009	99	DIRN	SUR	29	-80	3459	0	0	15.2	6.4	16.5
4100013	99	DIRN	SUR	33	-78	3514	0	0	14.1	8.8	16.7
4100024	99	DIRN	SUR	34	-78	268	0	0	12.5	5.3	13.6
4100025	99	DIRN	SUR	35	-75	3663	0	0	16.6	6.6	17.9
4100029	99	DIRN	SUR	33	-80	479	0	0	22.8	7.1	23.9
4100033	99	DIRN	SUR	32	-80	517	0	0	18.5	9.2	20.6
4100037	99	DIRN	SUR	34	-77	532	0	0	13.9	5.7	15.0
4100038	99	DIRN	SUR	34	-78	509	0	0	17.0	10.5	20.0
4100043	99	DIRN	SUR	21	-65	3547	0	0	16.3	9.3	18.8
4100044	99	DIRN	SUR	22	-59	3532	0	0	18.7	6.8	19.9
4100046	99	DIRN	SUR	24	-68	3293	0	0	15.0	8.8	17.4
4100049	99	DIRN	SUR	28	-62	3557	0	0	13.2	7.5	15.2
4100052	99	DIRN	SUR	18	-65	3064	0	0	14.6	3.9	15.2
4100053	99	DIRN	SUR	18	-66	2144	0	0	18.0	-2.1	18.1
4100056	99	DIRN	SUR	18	-65	2920	0	0	19.2	4.3	19.7
4100064	99	DIRN	SUR	34	-77	526	0	0	19.3	-10.4	21.9
4100066	99	DIRN	SUR	33	-80	541	0	0	22.6	5.8	23.3
4100068	99	DIRN	SUR	28	-80	503	0	0	20.0	-4.9	20.6
4100069	99	DIRN	SUR	29	-81	453	0	0	16.3	6.4	17.5
4100082	99	DIRN	SUR	36	-75	2280	0	0	21.1	-1.9	21.2
4100083	99	DIRN	SUR	36	-75	3626	0	0	14.7	-11.4	18.6
41002	99	DIRN	SUR	32	-75	623	0	0	15.4	8.9	17.8
4100300	99	DIRN	SUR	16	-57	610	0	0	11.7	1.6	11.8
41004	99	DIRN	SUR	33	-79	631	0	0	14.8	6.4	16.2
41008	99	DIRN	SUR	31	-81	546	0	0	16.2	11.0	19.6
41009	99	DIRN	SUR	29	-80	574	0	0	15.8	6.4	17.0

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF

ELEMENT MONITORED : WIND DIRECTION (DEGREES)

(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
41013	99	DIRN	SUR	33	-78	578	0	0	13.9	8.7	16.4
41024	99	DIRN	SUR	34	-79	222	0	0	12.3	7.0	14.2
41025	99	DIRN	SUR	35	-75	602	0	0	16.8	6.1	17.8
41029	99	DIRN	SUR	33	-80	471	0	0	20.9	6.9	22.0
41033	99	DIRN	SUR	32	-80	508	0	0	19.0	9.3	21.2
41037	99	DIRN	SUR	34	-77	531	0	0	16.7	5.4	17.5
41038	99	DIRN	SUR	34	-78	518	0	0	16.3	10.8	19.6
41043	99	DIRN	SUR	21	-65	591	0	0	16.5	9.2	18.8
41044	99	DIRN	SUR	22	-59	577	0	0	17.6	6.4	18.7
41046	99	DIRN	SUR	24	-68	556	0	0	15.1	8.4	17.3
41049	99	DIRN	SUR	28	-62	586	0	0	13.5	7.4	15.4
41052	99	DIRN	SUR	18	-65	488	0	0	14.8	3.8	15.2
41053	99	DIRN	SUR	19	-66	419	0	0	19.8	-2.5	19.9
41056	99	DIRN	SUR	18	-66	489	0	0	18.3	4.1	18.7
41064	99	DIRN	SUR	34	-77	520	0	0	20.7	-10.1	23.0
41066	99	DIRN	SUR	33	-80	4	0	0	16.2	6.9	17.6
41068	99	DIRN	SUR	28	-80	496	0	0	21.4	-4.5	21.8
41069	99	DIRN	SUR	29	-81	452	0	0	16.9	6.8	18.2
41082	99	DIRN	SUR	36	-75	370	0	0	21.7	-1.7	21.8
41083	99	DIRN	SUR	36	-75	592	0	0	14.5	-11.6	18.6
4200013	99	DIRN	SUR	27	-83	762	0	0	13.1	-1.0	13.1
4200022	99	DIRN	SUR	28	-84	8	0	0	3.4	5.3	6.3
4200023	99	DIRN	SUR	26	-83	953	0	0	16.3	-4.1	16.8
4200026	99	DIRN	SUR	25	-83	1020	0	0	12.4	-4.6	13.3
4200036	99	DIRN	SUR	29	-85	2730	0	0	12.8	9.3	15.8
4200056	99	DIRN	SUR	20	-85	3792	0	0	11.0	4.8	12.0
4200057	99	DIRN	SUR	17	-82	3899	0	0	11.7	2.2	11.9
4200060	99	DIRN	SUR	16	-63	3486	0	0	12.4	6.3	13.9
4200085	99	DIRN	SUR	18	-67	2426	0	0	23.4	6.7	24.3
42013	99	DIRN	SUR	27	-83	366	0	0	13.0	-0.4	13.0
42022	99	DIRN	SUR	28	-84	38	0	0	10.9	3.9	11.6
42023	99	DIRN	SUR	26	-83	218	0	0	17.0	-2.1	17.1
42026	99	DIRN	SUR	25	-84	498	0	0	13.0	-4.0	13.6
42036	99	DIRN	SUR	29	-85	448	0	0	14.0	8.9	16.5
42056	99	DIRN	SUR	20	-85	625	0	0	11.6	4.8	12.5
42057	99	DIRN	SUR	17	-82	648	0	0	12.8	1.5	12.9
42060	99	DIRN	SUR	16	-63	566	0	0	13.1	6.0	14.4
42085	99	DIRN	SUR	18	-67	411	0	0	22.5	6.3	23.3
4400007	99	DIRN	SUR	44	-70	3017	0	0	16.1	2.8	16.3
4400008	99	DIRN	SUR	40	-69	3636	0	0	12.3	3.5	12.8
4400009	99	DIRN	SUR	38	-75	3170	0	0	16.1	5.1	16.8

DRIFTER MONITORING STATISTICS (EUCOS)
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND DIRECTION (DEGREES)
 (CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
4400011	99	DIRN	SUR	41	-67	3234	0	0	12.3	8.3	14.9
4400013	99	DIRN	SUR	42	-71	3503	0	0	15.3	5.5	16.2
4400014	99	DIRN	SUR	37	-75	2871	0	0	17.0	5.3	17.8
4400020	99	DIRN	SUR	41	-70	3248	0	0	14.5	5.2	15.4
4400025	99	DIRN	SUR	40	-73	3337	0	0	17.1	5.2	17.9
4400027	99	DIRN	SUR	44	-67	3283	0	0	12.5	4.7	13.3
4400029	99	DIRN	SUR	43	-71	3145	0	0	14.7	2.6	15.0
4400030	99	DIRN	SUR	43	-70	3006	0	0	15.8	5.2	16.6
4400033	99	DIRN	SUR	44	-69	484	0	0	17.3	-6.7	18.5
4400034	99	DIRN	SUR	44	-68	3223	0	0	13.2	3.3	13.6
4400042	99	DIRN	SUR	38	-76	85	0	0	5.7	5.2	7.8
4400058	99	DIRN	SUR	38	-76	2236	1	0	28.1	9.5	29.7
4400065	99	DIRN	SUR	40	-74	3172	0	0	14.3	10.2	17.6
4400072	99	DIRN	SUR	37	-76	2914	0	0	25.9	6.1	26.7
4400073	99	DIRN	SUR	43	-71	196	245	0	103.2	-49.2	114.3
4400079	99	DIRN	SUR	36	-75	3694	0	0	18.6	-12.9	22.6
4400137	99	DIRN	SUR	42	-62	638	0	0	13.2	-5.6	14.4
4400139	99	DIRN	SUR	44	-57	621	0	0	13.9	-1.6	14.0
4400150	99	DIRN	SUR	43	-64	636	0	0	11.7	-9.6	15.1
4400258	99	DIRN	SUR	45	-63	574	0	0	15.3	-5.4	16.2
4400488	99	DIRN	SUR	45	-61	568	0	0	15.5	10.0	18.4
4400489	99	DIRN	SUR	45	-61	525	0	0	17.2	-2.9	17.5
44007	99	DIRN	SUR	44	-70	509	0	0	17.7	3.4	18.0
44008	99	DIRN	SUR	41	-69	607	0	0	12.4	3.0	12.7
44009	99	DIRN	SUR	39	-75	516	0	0	15.3	4.4	15.9
44011	99	DIRN	SUR	41	-67	532	0	0	12.1	8.0	14.5
44013	99	DIRN	SUR	42	-71	576	0	0	16.2	3.9	16.6
44014	99	DIRN	SUR	37	-75	487	0	0	18.5	5.3	19.3
44020	99	DIRN	SUR	42	-70	544	0	0	15.1	4.6	15.8
44025	99	DIRN	SUR	40	-73	548	0	0	15.5	4.3	16.1
44027	99	DIRN	SUR	44	-67	548	0	0	13.0	3.9	13.6
44029	99	DIRN	SUR	43	-71	412	0	0	14.7	2.0	14.8
44030	99	DIRN	SUR	43	-70	358	0	0	14.8	6.0	16.0
44033	99	DIRN	SUR	44	-69	383	0	0	18.7	-7.3	20.1
44034	99	DIRN	SUR	44	-68	445	0	0	13.9	2.9	14.2
44042	99	DIRN	SUR	38	-76	21	0	0	6.2	5.7	8.4
44058	99	DIRN	SUR	38	-76	319	0	0	27.3	9.3	28.9
44065	99	DIRN	SUR	40	-74	525	0	0	14.3	9.3	17.0
44072	99	DIRN	SUR	37	-76	389	0	0	26.8	7.2	27.8
44073	99	DIRN	SUR	43	-71	34	42	0	93.0	-69.4	116.1
44078	99	DIRN	SUR	60	-40	613	0	0	18.0	-17.0	24.8

DRIFTER MONITORING STATISTICS (EUCOS)

MONITORING CENTRE : ECMWF

ELEMENT MONITORED : WIND DIRECTION (DEGREES)

(CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
44079	99	DIRN	SUR	36	-75	606	0	0	19.1	-13.5	23.4
44137	99	DIRN	SUR	42	-62	636	0	0	13.4	-6.2	14.7
44139	99	DIRN	SUR	44	-57	617	0	0	15.0	-1.6	15.1
44150	99	DIRN	SUR	43	-64	637	0	0	12.4	-10.3	16.1
44258	99	DIRN	SUR	45	-63	573	0	0	15.0	-5.9	16.2
44488	99	DIRN	SUR	45	-61	553	0	0	15.3	9.7	18.2
44489	99	DIRN	SUR	46	-61	531	0	0	17.8	-3.2	18.1
6100198	99	DIRN	SUR	37	-2	469	0	0	15.6	11.9	19.6
6100281	99	DIRN	SUR	40	0	438	0	0	39.4	-132.1	137.9
6100417	99	DIRN	SUR	38	0	502	0	0	16.1	8.0	18.0
6200001	99	DIRN	SUR	45	-5	633	0	0	11.9	3.5	12.4
6200024	99	DIRN	SUR	44	-3	435	0	0	21.7	10.6	24.2
6200025	99	DIRN	SUR	44	-6	335	0	0	20.6	-7.9	22.0
6200029	99	DIRN	SUR	49	-12	652	0	0	15.7	1.2	15.7
6200050	99	DIRN	SUR	50	-4	652	0	0	12.8	7.2	14.7
6200081	99	DIRN	SUR	51	-13	647	0	0	12.5	-1.5	12.6
6200082	99	DIRN	SUR	44	-8	441	0	0	15.9	-0.9	16.0
6200083	99	DIRN	SUR	43	-9	107	0	0	14.7	-0.6	14.7
6200084	99	DIRN	SUR	42	-9	540	0	0	12.9	5.8	14.1
6200085	99	DIRN	SUR	36	-7	106	0	0	16.6	-11.2	20.1
6200091	99	DIRN	SUR	53	-5	630	0	0	11.6	5.3	12.7
6200092	99	DIRN	SUR	51	-11	610	0	0	11.5	3.6	12.0
6200093	99	DIRN	SUR	55	-10	627	0	0	10.5	10.5	14.8
6200094	99	DIRN	SUR	52	-7	637	0	0	12.5	0.6	12.5
6200095	99	DIRN	SUR	53	-16	655	0	0	12.8	8.4	15.3
6200103	99	DIRN	SUR	50	-3	230	0	0	17.3	19.3	25.9
6200163	99	DIRN	SUR	47	-8	660	0	0	14.3	8.9	16.8
6200442	99	DIRN	SUR	49	-16	660	0	0	14.4	-0.3	14.4
62029	99	DIRN	SUR	49	-13	1308	0	0	16.7	1.1	16.8
62050	99	DIRN	SUR	50	-4	1305	0	0	13.5	7.6	15.5
62081	99	DIRN	SUR	51	-13	1297	0	0	12.9	-1.4	12.9
62091	99	DIRN	SUR	53	-5	630	0	0	12.0	4.7	12.9
62092	99	DIRN	SUR	51	-11	603	0	0	11.7	3.2	12.2
62093	99	DIRN	SUR	55	-10	625	0	0	11.7	10.0	15.4
62094	99	DIRN	SUR	52	-7	625	0	0	12.6	-0.2	12.6
62095	99	DIRN	SUR	53	-16	655	0	0	12.9	8.0	15.2
62103	99	DIRN	SUR	50	-3	1285	0	0	16.0	15.1	22.0
62105	99	DIRN	SUR	55	-13	1265	0	0	12.0	-5.3	13.1
62114	99	DIRN	SUR	58	0	1226	0	0	11.0	0.1	11.0
62163	99	DIRN	SUR	48	-9	1321	0	0	14.5	8.7	16.9
62305	99	DIRN	SUR	50	0	1277	0	0	15.7	8.0	17.6

DRIFTER MONITORING STATISTICS (EUCOS)
 MONITORING CENTRE : ECMWF
 ELEMENT MONITORED : WIND DIRECTION (DEGREES)
 (CONTINUED)

WMO IDENT	OBS TIME	ELM	LEVEL	MEAN LAT	MEAN LONG	NUM OBS	NUM GROSS	% GROSS	SD	BIAS	RMS
62442	99	DIRN	SUR	49	-16	1323	0	0	15.6	-0.2	15.6
6400046	99	DIRN	SUR	61	-4	646	0	0	14.8	0.7	14.9
64041	99	DIRN	SUR	61	-3	1229	0	0	15.8	7.3	17.4
64046	99	DIRN	SUR	61	-4	1294	0	0	15.6	0.5	15.6
9193264	99	DIRN	SUR	34	-27	5	0	0	17.6	-12.7	21.7

4.12 Table 24 - List of Assimilated BUFR Encoded Radiosonde Stations

ATGU3FT	CAPRA	CAUBC	GKA32CV	JNKN7JF	KMPLHPW	LAGY8	LAGZ8	Leopolds
LRYQE3U	USALY	USBOD	USCAT	USCLL	USGHC	USIUB	USOHS	USOSU
USSIO	USSOM	USUND	USVAL	USVPI	USYUB	WDK38HS	WFF	YLV96WM
ZVQEQCM	2TDJJ8J	7JUNA4N	9ZT9MRK	01001	01004	01010	01028	01241
01400	01415	01492	02836	02963	03005	03023	03238	03354
03502	03743	03808	03882	03918	03953	04018	04220	04270
04320	04339	04360	06011	06260	06458	06610	07110	07145
07510	07645	07761	08001	08023	08190	08221	08302	08383
08430	08508	08522	08536	10035	10113	10184	10238	10304
10393	10410	10548	10618	10739	10771	10868	10954	10962
11010	11035	11120	11240	11520	11747	11952	12120	12374
12425	12575	12843	12982	13275	13388	14015	14240	15420
15614	16045	16064	16113	16144	16245	16332	16429	16546
16622	16716	16754	17030	17064	17095	17130	17196	17220
17240	17351	17607	20046	20292	20674	21824	22008	22217
22522	22820	22845	23078	23205	23330	23472	23884	23921
23955	24266	24641	24688	24908	24947	26038	26075	26435
26477	26629	26708	27459	27707	27713	27962	28225	28445
28661	28695	29572	29612	29698	30557	30673	30935	31004
31770	31873	31977	32540	34122	34172	34731	35121	37055
40179	40186	42056	42079	42101	42111	42123	42182	42339
42348	42361	42369	42410	42516	42623	42634	42647	42667
42675	42874	43063	43128	43150	43185	43295	43346	43353
43466	45004	47102	47104	47138	47155	47169	47186	47230
47269	47401	47412	47418	47582	47600	47646	47678	47741
47778	47807	47827	47909	47918	47945	47971	47991	48601
48615	48650	48657	48698	50527	50557	50774	50953	51076
51243	51431	51463	51644	51656	51709	51777	51828	51839
52203	52267	52323	52418	52533	52652	52681	52818	52836
52866	52983	53068	53463	53513	53543	53614	53772	53845
53915	54102	54135	54161	54218	54292	54340	54374	54511
54662	54727	54857	55299	55591	56029	56046	56080	56137
56146	56187	56492	56571	56651	56691	56739	56778	56964
56985	57083	57127	57131	57178	57245	57461	57494	57516
57541	57687	57749	57816	57957	57972	57993	58027	58150
58203	58238	58362	58424	58457	58606	58633	58665	58725
58847	59023	59134	59211	59265	59280	59293	59316	59431
59758	59981	60018	60096	60155	60253	60390	60680	60715
60760	61901	61980	61998	65344	66160	67083	68263	68424
68816	68842	70026	70200	70219	70231	70261	70273	70316
70326	70350	70361	70398	71043	71081	71082	71109	71119
71603	71612	71722	71802	71811	71815	71816	71845	71867
71906	71907	71908	71909	71913	71917	71924	71925	71926
71934	71945	71957	71964	72201	72202	72206	72208	72210
72215	72230	72233	72235	72240	72248	72249	72250	72251
72261	72265	72293	72305	72317	72318	72327	72340	72357
72363	72364	72365	72376	72388	72403	72413	72426	72440
72451	72456	72476	72489	72493	72501	72518	72520	72528
72558	72562	72572	72582	72597	72632	72634	72645	72649
72659	72662	72672	72681	72694	72712	72747	72764	72768
72776	72786	72797	73033	73111	74389	74455	74560	76256
76394	76405	76458	76526	76595	76612	76644	76654	76679
76692	76743	76805	76903	78384	78397	78486	78866	78897
78954	78970	78988	80001	81405	82022	82026	82099	82107
82193	82244	82332	82411	82532	82705	82824	82917	82965
83208	83378	83525	83554	83566	83612	83649	83768	83779
83827	83840	83899	83928	83937	84372	84516	84622	84754
85442	85586	85799	85934	87155	87344	87418	87585	87623
87715	87860	88889	89002	89055	89062	89504	89564	89571

89592	89611	89625	89642	89662	91165	91212	91285	91334
91348	91376	91408	91413	91592	91765	91925	91938	91948
91958	93112	93417	93844	94001	94005	94113	94155	94170
94203	94299	94302	94312	94326	94332	94403	94430	94461
94510	94578	94610	94637	94653	94659	94672	94711	94767
94775	94802	94821	94865	94910	94995	94996	94998	95282
95527	96413	96441	96471	96481	96996			

4.13 Table 25 - List of BUFR Encoded Radiosonde Stations with no TAC Counterpart

_2463cd5		ATGU3FT	atlantic		CAPRA	CAUBC	CRPRA	DEN
GKA32CV	JNKN7JF	KMPLHPW	LAGY8	LAGZ8	LAR	Leopolds		LRYQE3U
ontario	pacific	PTEVO	TLH	uscou	USOHS	USUND	USVAL	WDK38HS
WFF	YLV96WM	ZVQEQCM	2TDJJ8J	7JUNA4N	9ZT9MRK	01001	01004	01010
01028	01241	01400	01415	01492	02836	02963	06610	07110
07145	07510	07645	07761	08001	08023	08190	08221	08302
08383	08430	08508	08522	08536	11010	11035	11120	11240
12575	14015	17607	40186	41199	41218	48698	50527	50557
50774	50953	51076	51243	51431	51463	51644	51656	51709
51777	51828	51839	52203	52267	52323	52418	52533	52652
52681	52818	52836	52866	52983	53068	53463	53513	53543
53614	53772	53845	53915	54102	54135	54161	54218	54292
54340	54374	54662	54727	54857	55299	55591	56029	56046
56080	56137	56146	56187	56492	56571	56651	56691	56739
56778	56964	56985	57083	57127	57131	57178	57245	57461
57494	57516	57541	57687	57749	57816	57957	57972	57993
58027	58150	58203	58238	58362	58424	58457	58606	58633
58665	58725	58847	59023	59134	59211	59265	59280	59293
59316	59431	59758	59981	60096	60253	66160	67083	71612
72413	76743	76903	89002	89504	89642	91925	91938	91948
91958	94001	94005	94113	94653	94767	94865		

5 Annex - Explanations of figures and tables

5.1 General

All information presented in this report is based on data received at ECMWF before the appropriate analysis. Approximate cut-off times (UTC) are shown below:

Analysis	Obs Time	Cut-off
0000	2101-0300	1530 (16 hours)
1200	0901-1500	1900 (7 hours)

5.2 Data Availability

For each observation type/parameter the average number of reports received per day is displayed in boxes of 5 degrees square. The numbers plotted are the nearest integer values - e.g. if 40 reports were received during the month then the average daily value plotted will be 1. If the average number is greater than 1000 then 999 will be plotted. If the average number is less than 0.5 then the digit 0 will be plotted. If no observations were received then the box will be left blank.

5.3 Data Quality

The information presented on data quality is based on differences between observations and the values of the most recent ECMWF forecast ("first guess") of the same parameter. Depending on the time of the observation, the forecast range is between 9 and 15 hours. The ability of a modern data assimilation system to provide the diagnostic facilities to monitor the performance of the observational network is demonstrated by A. Hollingsworth et. al., *Monthly Weather Review*, Vol 114, No. 5, May 1986.

It should be noted that:

- (i) all results are based on software that may undergo further development;
- (ii) although the quality of the ECMWF first-guess fields is of a generally high standard this is only true to a limited extent in the tropics, where small-scale processes such as convection are of much greater importance than in mid-latitudes, and the observations will sometimes not be representative of the scales of motion given by the first-guess;
- (iii) the first-guess fields themselves will vary in accuracy depending on the density and quality of data, particularly in the upstream regions and over Antarctica and the southern hemisphere mid-latitudes. Direct comparisons between stations (or airlines) should preferably be restricted to observations in a reasonably homogeneous climatic region.

Tables 1-9 contain lists of SHIPs (including fixed marine platforms), DRIFTERS, TEMPs and TEMPs/PILOTs believed to have supplied suspect reports of surface pressure, geopotential height or wind during the month. The format of the tables is according to Recommendation 3 CBS-Ext(85) and the criteria for stations or data platforms to be classified as suspect are given at the top of each table. For tables 7 and 8 data for the worst

standard pressure level are shown. Units of RMS, standard deviation and bias are hPa in tables 1 and 4, m in table 7 and ms^{-1} in tables 2, 5 and 8. In tables 7 and 8 the station position is indicated; in the case of TEMPSHIPS and PILOTSHIPS this position is obtained from the first report of the month. The gross error limits for first-guess deviations of geopotential in table 7 are as follows:

Level	Geop
1000	100m
925	100m
850	100m
700	100m
500	150m
400	175m
300	200m
250	225m
200	250m
150	275m
100	300m
70	375m
50	400m
30	450m

The corresponding limits for wind (table 8) are:

Level	Wind
1000	35ms^{-1}
925	35ms^{-1}
850	35ms^{-1}
700	40ms^{-1}
500	45ms^{-1}
400	50ms^{-1}
300	60ms^{-1}
250	60ms^{-1}
200	50ms^{-1}
150	50ms^{-1}
100	45ms^{-1}

In table 7 the weighted RMS values at standard levels are calculated using the following weights:

Level	Weight
1000	3.70
925	3.55
850	3.40
700	2.90
500	2.20
400	1.90
300	1.60
250	1.50
200	1.37
150	1.19
100	1.00
70	0.87
50	0.80
30	0.64

Tables 10 and 11 provide geopotential and wind quality statistics (100 hPa level) for TEMPSHIPs and PILOTSHIPs received during the month. Units and display format are identical to those in tables 7 and 8 respectively. Tables 13, 14 (50 hPa), 15 and 16 (100 hPa), 17 and 18 (500hPa), 19 and 20 (850hPa) provide similar radiosonde statistics for the EUCOS area.

Tables 21-23 are similar to tables 4-6 with data coverage restricted to the EUCOS area.

Figures 14-18 show global charts of SATOB and aircraft wind quality, where the statistics have been averaged over latitude/longitude boxes of 5 degrees square, and the mean observed minus first-guess (or 'bias') wind vectors have been plotted. All observations in the specified layers have been used. For comparison the mean observed wind (from the SATOB reports only) for each layer is shown in figures 14 and 15. A reference value of wind speed is plotted in the top right corner of each figure. An arrow is only plotted if 10 or more observations have been received in that 5 degree square.

Table 12 provides quality statistics of aircraft wind observations in the layer 300-150 hPa stratified by airline carrier. The format and specifications of the table have been defined by NMC Washington, the lead centre for the monitoring of aircraft and satellite data.

Table 24 shows list of Assimilated BUFR Encoded Radiosonde Stations monitored within the month.

Table 25 shows list of BUFR Encoded Radiosonde Stations with no TAC Counterpart monitored within the month.