



Téléphone: National (022) 730 81 11
International + 41 22 730 81 11
Télégrammes: METEOMOND GENÈVE
Télex: 23 260 OMM CH
Facsimilé: 41 22 734 23 26

SECRETARIAT
GENÈVE - Suisse

41, Giuseppe-Motta
Case postale N° 2300
CH - 1211 Genève 2

JUN 18 REC'D

W/OIS

Annexes: 3

GENEVA, 31 May 1990

Subject : Monthly letter on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) (May 1990)

Action required : To be noted and brought to the attention of appropriate operational units

Dear Sir/Madam,

As you are aware, all the information on changes to the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) is being assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action.

In this connection, please find attached the annexes providing the latest operational information on WWW and MMS. Those items and sub-items for which information is provided are listed below:

Annex I - Global Observing System

C. Information on operational status of elements of the surface-based sub-system

1. Publication No. 9, Volume A - Stations

- 1.1 New stations
- 1.3 Changes to existing stations

4. Automatic marine stations

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4498)
Directors of Meteorological Services of non-Member countries (MC-2430)
Presidents and Vice-Presidents of Regional Associations (P.RA-1242)
Presidents and Vice-Presidents of Technical Commissions (P.TC-1359)
Chairmen of CBS Working Groups
Secretary-General of ICAO
Director-General of IATA
Secretary of IOC
Director-General of ASECNA
Director of ECMWF

5. ARGOS service

5.1 ARGOS monthly status report

6. Feed-back from Members to the Secretariat on any changes in the observing network

Annex II - Global Data-Processing System

B. Information on operational status of GDPS including changes to WMO Publication No. 9 - Volume B

2. RSMC output products

2.3 Changes to products

Annex III - Global Telecommunication System

C. Information on the operation of the GTS

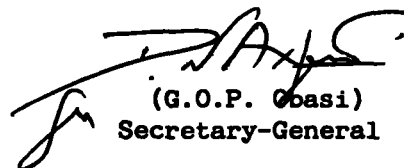
1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)

1.3 Changes to bulletins

The CBS Advisory Working Group recommended that a special table should be added to the monthly letter to report changes of the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations. You will note, therefore, that a new item, number 6, "Feed-back from Members to the Secretariat on any changes in the observing network" has been added to Annex I - Global Observing System.

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated. If you wish to receive additional copies of the monthly circular letter, please inform the Secretariat accordingly.

Yours faithfully,


(G.O.P. Ovasi)
Secretary-General

Annex I - Global Observing System

Date: May 1990

C. Information on operational status of elements of the surface-based sub-system

1. Publication No. 9, Volume A - Stations

1.1 New stations

13031 MURSKA SOBOTA 4639N 1611E 188 188 . X X X X X X . H03-20 /

1.3 Changes to existing stations

13021	SMARTNO	.	X	X	X	X	X	.	X	.	.	.	.	.	/
13244	BUGOJNO	.	X	X	X	X	.	.	.	.	.	.	.	.	/
13249	ZENICA	.	X	X	X	X	.	.	.	.	.	.	.	.	/
13257	TUZLA	.	X	X	X	X	.	.	.	.	.	.	.	.	/
13340	LIVNO	.	X	X	X	X	.	.	.	.	.	.	.	.	/
13348	MOSTAR	.	X	X	X	X	X	X	.	H03-20	.	.	.	.	/
43599	GAN	X	X	X	X	X	X	X	X		W	.	W	.	/

4. Automatic marine stations

Canada

Data from moored and drifting buoys are collected via geostationery and polar orbiting satellites respectively. Meteorological reports from moored buoys using FM 13-IX SHIP code are distributed on the GTS from the Direct Readout Station located in Vancouver, B.C. Reports from drifting buoys are received at the Argos Local User Terminal in Edmonton and distributed on the GTS using the FM 14-VIII DRIBU code.

Legend

<u>Column</u>	<u>Observed or technical parameters</u>
1	Wind direction and speed
2	Air temperature
3	Air pressure
4	Pressure tendency
5	Sea-surface temperature
6	Wave period and height
7	Wave spectra
8	Peak wind gust

Moored Buoys (North-east Pacific Ocean)

WMO buoy Identifier	Position		Observed or technical parameters							
	24	April 1990	1	2	3	4	5	6	7	8
46036	48°18'N	133°51'W	X	X	X	X	X	X	X	X
46181	53°49'N	128°51'W	X	X	X	X	X	X	X	X
46182	49°29'N	123°18'W	X	X	X	X	X	X	X	X
46184	53°56'N	138°48'W	X	X	X	X	X	X	X	X
46204	51°23'N	128°45'W	X	X	X	X	X	X	X	X
46206	48°50'N	126°00'W	X	X	X	X	X	X	X	X
46207	50°52'N	129°55'W	X	X	X	X	X	X	X	X
46208	52°30'N	132°42'W	X	X	X	X	X	X	X	X

Moored Buoys (North-west Atlantic Ocean)

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters								
		25	April 1990	1	2	3	4	5	6	7	8	
44137	03449	41°12'N	061°08'W	.	X	X	X	X	X	X	X	X
44138	03434	44°13'N	053°36'W	.	X	X	X	X	X	X	X	X
44139	03448	44°19'N	057°22'W	X	X	X	X	X	X	X	X	X

Moored Buoys (Great Lakes)

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters								
		25	April 1990	1	2	3	4	5	6	7	8	
45132	03003	42°28'N	081°13'W	*	X	X	X	X	.	.	.	.
45135	03006	43°51'N	078°20'W	X	X	X	X	X	X	X	X	X
45136	03008	48°32'N	086°57'W	*	*	*	*	*	*	*	*	*
45137	03007	45°33'N	081°01'W	X	X	X	X	X	X	X	X	X

Drifting buoys (Arctic Icepack):

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters								
		24	April 1990	1	2	3	4	5	6	7	8	
47504	07406	83°47'N	052°10'W	.	.	X	.	.	.	.	.	.
48512	07013	80°00'N	153°36'W	.	X	X	.	.	.	.	.	.
48536	07405	66°11'N	027°22'W	.	.	X	.	.	.	.	.	.
48544	07412	83°40'N	093°43'W	.	.	X	.	.	.	.	.	.

* Sensor/system failure.

Drifting buoys (North-east Pacific Ocean):

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters							
		24	April 1990	1	2	3	4	5	6	7	8
46687	07138	43°19'N	157°02'W	.	X	X	.	X	.	.	.
46693	07140	37°46'N	145°45'W	.	X	X	.	X	.	.	.
46694	07141	29°58'N	126°43'W	.	X	X	.	X	.	.	.
46695	07142	31°27'N	138°21'W	.	X	X	.	X	.	.	.
46697	07144	26°23'N	142°36'W	*	X	X	.	X	.	.	*
46699	07146	51°55'N	136°24'W	.	X	X	.	X	.	.	.
46701	07148	58°10'N	148°17'W	.	X	X	.	X	.	.	.
46704	07128	46°17'N	167°00'W	.	X	X	X	X	.	.	.
46705	07129	47°14'N	162°50'W	.	X	X	X	X	.	.	.
46706	07130	46°11'N	149°09'W	.	X	X	X	X	.	.	.
46707	07131	46°31'N	133°19'W	.	X	X	X	X	.	.	.

* Sensor/system failure.

United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the May 1990 Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA). Data from moored buoys and platforms are collected by geostationary meteorological satellites and reports are distributed on the GTS in SHIP code. Data from drifting buoys are collected by the Argos system and distributed on the GTS in DRIBU code.

Legend

<u>Column</u>	<u>Observed or technical parameters</u>
1	Wind direction and speed
2	Air temperature
3	Pressure
4	Pressure tendency
5	Sea-surface temperature
6	Wave period and height
7	Wave spectra
8	Drogued

Moored buoys:

WMO buoy Identifier	Position		Observed or technical parameters						
	7 May 1990		1	2	3	4	5	6	7
32302	18°00'S	085°06'W	X	X	X	X	X	X	X
41001**	34°54'N	073°00'W	X	X	X	X	X	X	X
41002**	32°18'N	075°12'W	X	X	X	X	X	X	X
41006**	29°18'N	077°24'W	X	X	X	X	X	X	X
41008	30°42'N	081°06'W	X	X	X	X	X	X	X
41009	28°30'N	080°12'W	X	X	X	X	X	X	X
41010	28°54'N	078°30'W	X	X	X	X	X	X	X
42001**	25°54'N	089°42'W	X	X	X	X	X	X	X
42002**	26°00'N	093°30'W	X	X	X	X	X	X	X
42003**	25°54'N	085°54'W	X	X	X	X	X	X	X
42007	30°06'N	088°48'W	X	X	X	X	X	X	X
42015	30°12'N	088°12'W	X	X	X	X	X	X	X
42016	30°12'N	088°06'W	X	X	X	X	X	X	X
42018	30°12'N	088°06'W	.	.	.	.	.	.	.
42021	30°12'N	088°06'W	.	.	.	.	.	.	.
44004**	38°30'N	070°36'W	X	X	X	X	X	X	X
44005**	42°42'N	068°36'W	X	X	X	X	X	X	X
44007**	43°30'N	070°06'W	X	X	X	X	X	X	X
44008**	40°30'N	069°30'W	X	X	X	X	X	X	X
44009**	38°30'N	074°36'W	X	X	X	X	X	X	X
44011**	41°06'N	066°36'W	X	X	X	X	X	X	X
44012**	38°48'N	074°36'W	X	X	X	X	X	X	X
44013**	42°24'N	070°48'W	X	X	X	X	X	X	X
45001**	48°00'N	087°42'W	X	X	X	X	X	X	X
45002**	45°18'N	086°24'W	X	X	X	X	X	X	X
45003**	45°18'N	082°42'W	X	X	X	X	.	.	.
45004**	47°30'N	086°30'W	X	X	X	X	X	X	X
45005**	41°42'N	082°24'W	X	X	X	X	X	X	X
45006**	47°18'N	089°54'W	X	X	X	X	X	X	X
45007**	42°42'N	087°06'W	X	X	X	X	X	X	X
45008**	44°18'N	082°24'W	X	X	X	X	.	.	.
46001**	56°18'N	148°18'W	*	*	*	*	*	*	*
46002**	42°30'N	130°24'W	*	*	*	*	*	*	*
46003**	51°54'N	155°54'W	X	X	X	X	X	X	X
46005**	46°06'N	131°00'W	X	X	X	X	X	X	X
46006**	40°48'N	137°42'W	X	X	X	X	X	X	X
46010**	46°12'N	124°12'W	X	X	X	X	X	X	X
46011	34°54'N	120°54'W	X	X	X	X	X	X	X
46012	37°24'N	122°42'W	*	*	*	*	*	*	*
46013	38°12'N	123°18'W	X	X	X	X	X	X	X
46014	39°12'N	124°00'W	X	X	X	X	X	X	X
46022	40°48'N	124°30'W	X	X	X	X	X	X	X
46023	34°18'N	120°42'W	X	X	X	X	X	X	X
46025	33°42'N	119°06'W	X	X	X	X	X	X	X
46026**	37°48'N	122°42'W	X	X	X	X	X	X	X
46027**	41°48'N	124°24'W	X	X	X	X	X	X	X

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS.

* Sensor/system failure.

Moored buoys (continued):

WMO buoy Identifier	Position		Observed or technical parameters						
	7 May 1990		1	2	3	4	5	6	7
46028	35°48'N	121°54'W	X	X	X	X	X	X	X
46030	40°24'N	124°30'W	X	X	X	X	X	X	X
46035	57°00'N	177°42'W	X	X	X	X	*	X	X
46040	44°48'N	124°18'W	*	X	X	X	X	X	X
46041	47°24'N	124°30'W	X	X	X	X	X	X	X
46042	36°48'N	122°24'W	X	X	X	X	X	X	X
51001**	23°24'N	162°18'W	X	X	X	X	X	X	X
51002**	17°12'N	157°48'W	X	X	X	X	X	X	X
51003**	19°12'N	160°48'W	X	X	X	X	X	X	X
51004**	17°30'N	152°36'W	X	X	X	X	X	X	X

Drifting buoys:

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters							
		7 May 1990		1	2	3	4	5	6	7	8
14803	08844	28°S	057°E	.	X	X	.	X	.	.	.
14804	08845	24°S	079°E	.	X	X	.	X	.	.	.
17803	05571	43°S	069°E	X	•	X	.	X	.	.	X
17804	12300	48°S	001°W	.	X	X	.	X	.	.	.
17805	12304	46°S	004°E	.	X	X	.	X	.	.	.
17820	08846	27°S	026°W	.	X	X	.	X	.	.	.
33823	08965	25°S	009°E	.	X	X	.	X	.	.	.
33824	08966	38°S	008°E	.	X	X	.	X	.	.	.
33825	12301	58°S	018°W	.	X	X	.	X	.	.	.
33826	12296	54°S	044°W	.	X	X	.	X	.	.	.
33827	12297	51°S	037°W	.	X	X	.	X	.	.	.
54829	06762	39°S	167°W	.	X	X	.	X	.	.	.
54830	06763	49°S	158°W	.	X	X	.	X	.	.	.
54831	06764	50°S	155°W	.	X	X	.	X	.	.	.
55801	09223	40°S	135°W	.	X	X	.	X	.	.	.
55802	08843	25°S	096°E	.	X	X	.	X	.	.	.
55829	06785	42°S	089°W	.	X	X	.	X	.	.	.
56824	08841	03°S	083°E	.	X	X	.	X	.	.	.
56825	08833	47°S	141°W	.	X	X	.	X	.	.	.
56827	09221	57°S	089°E	.	X	X	.	X	.	.	.
56828	09220	14°S	101°E	.	X	X	.	X	.	.	.
56829	09222	25°S	083°E	.	X	X	.	X	.	.	.
73801	08961	49°S	017°W	.	•	X	.	•	.	.	.

• Sensor/system failure.

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS.

5. ARGOS service5.1 ARGOS monthly status report

As at 2 May 1990, the Argos service was handling reports from 611 drifting buoys, 97 moored buoys, 1 balloon, 234 ships, 114 animal trackings, 423 fixed stations and 38 miscellaneous platforms. DRIBU reports from 60 drifting buoys, SHIP reports from 28 selected ships and BATHY reports from 18 selected ships were transmitted to the RTH Paris and DRIBU reports from 200 drifting and moored buoys were transmitted to the WMC Washington for insertion into the GTS. The list of platforms reporting through Argos and distributed over the GTS is given below.

DRIBU code:

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
Australia	55525	02958
	55526	02962
	55557	00417
	55558	00416
	55559	00418
	56001	06741
	56541	02946
	56542	02944
	56544	02935
	56546	02951
	56547	04870
	56548	04871
	56549	04872
Canada	47555	06603
	47556	06605
France	44607	05826
	44609	05799
	62503	05790
	62512	05824
	62513	05829
	62551	00367
	62578	00213
	62581	00227
	62582	00232
	62583	00233
	62584	00237
	62586	00242
	62587	00243
64526	05634	

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
France (continued)	3EAJ*	
	A3BZ*	
	C6HL*	
	DHJW*	
	FNCZ*	
	FNGS*	
	FNOM*	
	FNPA*	
	FNQB*	
	FNQD*	
	FNZO*	
	FNZP*	
	FNZQ*	
	FPID*	
	FWQP*	
HPEW*		
JQNY*		
PPPP*		
Germany, Federal Republic of	71524	03315
	71528	08056
	71529	08057
	71530	08058
	71531	08059
	71532	08060
	71533	08061
	71536	08064
	71537	08065
	71540	08068
	71541	08069
Japan	52060	08718
	52064	08724
Netherlands	44614	04229
	44615	03037
	64563+	04228
New Zealand	55578	06437
	55579	06435
	55580	06439
Norway	17001	01591
	17003	01758
	44624	03722
	64529	03038
	64530+	03039
	71001	01757
	71002	02727
74001	09405	
Portugal	62692	01078

* PTT's transmitting at irregular intervals.

+ PTT's which were removed from GTS during the month.

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
South Africa**	16021	09490
	17512	09096
	17513	09092
	17514	08263
	17516	08267
	17517	08268
	17518	08261
	17519	08265
	17520	09097
	United Kingdom	44729	06305
62553		00203
62554		00202
62555		00209
62557		00211
62558		00246
62559		00219
62562		00235
62563		00236
62564		00324
62565		00326
62567		00332
62568		00333
62570		00340
62572		00225
62573		00351
62574		00230
62575		00359
62576		00362
62580		00200
62585	00205	
62803	06299	
64043	06270	
64552	06306	
United States of America	12846	11182
	12847	11191
	14803	08844
	14804	08845
	17803	05571
	17804	12300
	17805	12304
	17820	08846
	17821	08847
	25536	12780
	25537	12789
	32513	10843
	32514	10836

** The Government of the Republic of South Africa has been suspended by Resolution 38 (Cg-VII) from exercising its rights and enjoying its privileges as a Member of WMO.

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	32516	10838
	32517	06863
	32518	11167
	32520	11577
	32522	10808
	32523	10809
	32525	11192
	32526	11193
	32527	10818
	32528	10820
	32529	11194
	32530	11546
	32531	10812
	32533	11110
	32534	11152
	32536	11149
	32537	10839
	32538	11172
	32540	11012
	32542	11153
	32545	10849
	32546	11160
	32549	11163
	32551	06889
	32553	10841
	32554	10840
	32555	06893
	32556	11538
	32558	11543
	33823	08965
	33824	08966
	33825	12301
	33826	12296
	33827	12297
	33828	12298
	41525	08960
	42502	11490
	42506+	11494
	42508	11498
	42516	11499
	42517	11500
	43502	11168
	43503	11874
	43508	11171
	43509	10847
	43511	03078
43801	06898	
43805	10817	
43810	11165	
44502	04570	
44510	04530	
44511	04569	
46516	03076	

+ PTT's which were removed from GTS during the month.

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	46518	11496
	47504	07406
	47601	12785
	48518	12782
	48519	12783
	48520	12784
	48536	07405
	48544	07412
	51510	06873
	51511	06883
	51512	06884
	51514	11568
	51516	11632
	51517	11633
	51518	06857
	51519	11646
	51520	11653
	51802	11650
	51803	11652
	51804	11660
	51805	11622
	51808	11651
	51810	11145
	51811	11644
	51812	11657
	51813	11569
	51815	11571
	51816	11620
	51817	11655
	51820	11041
	51822	11870
	51825	11014
	51826	11871
	51827	11038
	51828	11136
	51830	11037
	51834	11170
	51836	11174
	51838	11177
	51839	11185
	51840	11536
	51841	11537
	51842	11540
	51843	11541
	51844	11542
	51845	11548
	51847	11551
51848	11557	
51849	11539	
51850	11544	

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	51851	11547
	51852	11549
	51853	11552
	51854	11554
	51855+	11556
	51856	11559
	51857	11570
	51858	11580
	51859	11581
	51861	11558
	51862	11561
	51863	11564
	51864	11566
	51865	11623
	52005	01350
	52512	10593
	52520	10590
	52802	10822
	52805	06851
	52806	06880
	52807	10824
	52810	06881
	52813	10835
	52827	10823
	52842	11186
	52843	11187
	52844	11188
	52852	11629
	52853	11624
	52854	11626
	52855	11631
	52856	11639
	52857	11640
	52858	11649
	52859	11654
	52860	11659
	52861	11637
	52862	11560
	52863	11562
	52864	11565
	52865	11567
	53805	11180
	53806	11181
54829	06762	
54830	06763	
54831	06764	
55801	09223	
55802	08843	
55829	06785	

* PTT's which were removed from GTS during the month.

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	56824	08841
	56825	08833
	56826	08842
	56827	09221
	56828	09220
	56829	09222
	61525	11299
	61527+	11485
	61528+	11486
	61529+	11487
	61530	11488
	64533	12786
	64539	12787
	64540	12788
	73651	03883
	73801	08961
<u>ATLAS buoys</u>	32315	06461
	32316	06518
	32317	06519
	32318	06475
	51007	06796
	51008	06797
	51009	06514
	51010	06369
	51011	06517
	51012	06515
	51013	06795
	52001	06380
	52002	06471
	52003	06375
	52006	06472
	52301	06381
	52302	06460

+ PTT's which were removed from GTS during the month.

Note

Members operating Argos Local Users Terminals (LUTs) are invited to submit to the Secretariat by telex, the list of platforms entering reports into the GTS through their LUTs, effective on or around the 20th of each month.

6. Feed-back from Members to the Secretariat on any changes in the observing network

In view of the difficulties experienced at present in identifying non-implemented observing stations or implemented stations which are closed or suspended for a certain period, or stations making observations but not reaching their NMCs, the ninth session of the CBS Advisory Working Group recommended that a special table be added to the WWW monthly operational letter to serve as feed-back from Members to the Secretariat on any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

The special table, accompanied by explanatory notes overleaf, is attached as an appendix to this annex. Members are urged to fill in this appendix, as and when appropriate, and to return it to the Secretariat before the 1st of each month to enable changes to be included in the next monthly letter.

Feed-back from Members to the Secretariat on any changes in the observing network
 (explanatory notes overleaf)

Global Exchange/Regional Exchange (delete as appropriate)

Country: _____

Station index number	Bulletin identification TTAAii CCCC	Implementation of observing programme								Alternate observing station	Remarks
		00	03	06	09	12	15	18	21		

1. SYNOP

2. TEMP

3. PILOT

Explanatory notes for Feed-back from Members to the Secretariat on any changes in the observing network

1. Separate tables should be prepared for global exchange and regional exchange respectively. These tables should contain information concerning any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations given in Attachment I-4 of the Manual on the GTS, Volume I for global exchange and, as applicable, Attachments AF-I, AI-1, SA-1, NA-1, PS-1 and EU-1 of the Manual on the GTS, Volume II for regional exchange.
2. For entries in these tables, the following should be taken into account:
 - (a) In the column "Station index number", the index number (IIiii) of each station should be entered in case of any changes in the observing programmes of the stations;
 - (b) In the column "Bulletin identification", the TTAAii CCCC of the abbreviated heading of the meteorological bulletins which contains reports from the station should be inserted;
 - (c) In the column "Implementation of observing programme", "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, this should be marked in red;
 - (d) In the column "Alternate observing station", the index number (IIiii) of an alternate observing station should be inserted in case another station is available with a view to filling gaps which are caused by suspension of observing programmes of the original station;
 - (e) The required information concerning the observing programme of the alternate station should be inserted in the next horizontal line of the original station;
 - (f) In the column "Remarks", reasons of temporary suspension of observing programmes and an expected date of resumption of the programmes should be given as far as possible. Non-standard collection and/or distribution times should also be included.
3. These tables should be sent to the Secretariat before the 1st of the month for inclusion of the changes in the monthly operational letter, as appropriate.

Annex II - Global Data-Processing System

Date: May 1990

B. Information on operational status of GDPS including changes to WMO Publication No. 9 - Volume B

2. RSMC output products

2.3 Changes to products

European Centre for Medium-Range Weather Forecasts (ECMWF)

The range of products disseminated over the GTS by ECMWF and listed in the monthly letter of March 1990 has been modified. With effect from 1 August 1990, for products based on data for 12:00 UTC, ECMWF plans to extend the forecast range to 6 days for both the Northern and Southern Hemispheres. The corrected announcement of the changes together with the updated specification and description of bulletin headings is given under item C. 1.3 of Annex III to this letter.

Products in FM 47-V GRID will be unchanged with respect to content and format; additional 5 degree products will be added to extend the range of the Northern hemisphere and Southern hemisphere forecasts to 6 days. The 2.5 degree resolution GRID products of an experimental nature for the South East Asia areas will remain unchanged.

The specification for products in FM 92-VIII Ext. GRIB will be changed to extend the area covered by the Northern and Southern hemisphere products to the equator, and to extend their range to 6 days. Areas 1, 2, 3 and 4 (Northern hemisphere), 9, 10, 11 and 12 (Southern hemisphere) will be changed, while areas 5, 6, 7 and 8 (tropical belt) will remain unchanged. The new description of the GRIB products follows:

Resolution: 2.5 degrees by 2.5 degrees/

Areas: 12 areas defined as:

Area	A _i	Lat ₁	Lat ₂	Long ₁	Long ₂
1	A	90°N	0	90°W	0
2	B	90°N	0	180°W	90°W
3	C	90°N	0	90°E	180°E
4	D	90°N	0	0	90°E
5	E	35°N	35°S	90°W	0
6	F	35°N	35°S	180°W	90°W
7	G	35°N	35°S	90°E	180°E
8	H	35°N	35°S	0	90°E
9	I	0	90°S	90°W	0
10	J	0	90°S	180°W	90°W
11	K	0	90°S	90°E	180°E
12	L	0	90°S	0	90°E

Parameters: Surface (MSL) pressure, 850 hPa temperature, 500 hPa geopotential height (Northern and Southern hemisphere), 850 hPa u- and v- components of wind (tropical belt).

Valid times: Analysis, 1, 2 and 3 day forecasts (all products); 4, 5 and 6 day forecasts (products for areas 1, 2, 3, 4, 9, 10, 11 and 12 only).

Annex III - Global Telecommunication System

Date: May 1990

C. Information on the operation of the GTS

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)

1.3 Changes to bulletins

WMC Moscow

Effective 15 June 1990 at 1200 UTC upper-air data from 26702 Kaliningrad will be transmitted by WMC MOSCOW over GTS in bulletins USRS12 RUMS, UKRS12 RUMS, ULRS12 RUMS, UERS12 RUMS at 0000 and 1200 UTC; USRS12 RUMS at 0600 UTC and UPRS12 at 1800 UTC.

ECMWF (through RTHs Bracknell and Offenbach)

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
GPAA98	ECMF	YY1200	55555	MSL pressure analysis	1 (NH)
GPBA98	ECMF	YY1200	55555	MSL pressure analysis	2 (NH)
GPCA98	ECMF	YY1200	55555	MSL pressure analysis	3 (NH)
GPDA98	ECMF	YY1200	55555	MSL pressure analysis	4 (NH)
GPAA98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	1 (NH)
GPBE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	2 (NH)
GPCE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	3 (NH)
GPDE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	4 (NH)
GPAI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	1 (NH)
GPBI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	2 (NH)
GPCI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	3 (NH)
GPDI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	4 (NH)
GPAK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	1 (NH)
GPBK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	2 (NH)
GPCK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	3 (NH)
GPDK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	4 (NH)
GPAM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	1 (NH)
GPBM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	2 (NH)
GPCM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	3 (NH)
GPDM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	4 (NH)
GPAO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	1 (NH)
GPBO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	2 (NH)
GPCO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	3 (NH)
GPDO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	4 (NH)
GPAQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	1 (NH)
GPBQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	2 (NH)
GPCQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	3 (NH)
GPDQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	4 (NH)
*GPAS98	ECMF	YY1200	55555	MSL pressure 168 forecast	1 (NH)
*GPBS98	ECMF	YY1200	55555	MSL pressure 168 forecast	2 (NH)
*GPCS98	ECMF	YY1200	55555	MSL pressure 168 forecast	3 (NH)
*GPDS98	ECMF	YY1200	55555	MSL pressure 168 forecast	4 (NH)
GTAA85	ECMF	YY1200	55555	850 hPa temperature analysis	1 (NH)
GTBA85	ECMF	YY1200	55555	850 hPa temperature analysis	2 (NH)
GTCA85	ECMF	YY1200	55555	850 hPa temperature analysis	3 (NH)
GTDA85	ECMF	YY1200	55555	850 hPa temperature analysis	4 (NH)
GTAE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	1 (NH)
GTBE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	2 (NH)
GTCE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	3 (NH)
GTDE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	4 (NH)

* GRID products to be deleted.

TTAAII	CCCC	YGGGG	LLLLL	Product	Area
GTAI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	1 (NH)
GTBI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	2 (NH)
GTCI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	3 (NH)
GTDI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	4 (NH)
GTAK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	1 (NH)
GTBK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	2 (NH)
GTCK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	3 (NH)
GTDK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	4 (NH)
GTAM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	1 (NH)
GTBM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	2 (NH)
GTCM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	3 (NH)
GTD85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	4 (NH)
GTA085	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	1 (NH)
GTB085	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	2 (NH)
GTC085	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	3 (NH)
GTD085	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	4 (NH)
GTAQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	1 (NH)
GTBQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	2 (NH)
GTCQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	3 (NH)
GTDQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	4 (NH)
*GTAS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	1 (NH)
*GTBS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	2 (NH)
*GTC85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	3 (NH)
*GTDS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	4 (NH)
GHAA50	ECMF	YY1200	55555	500 hPa geopotential analysis	1 (NH)
GHBA50	ECMF	YY1200	55555	500 hPa geopotential analysis	2 (NH)
GHCA50	ECMF	YY1200	55555	500 hPa geopotential analysis	3 (NH)
GHDA50	ECMF	YY1200	55555	500 hPa geopotential analysis	4 (NH)
GHAE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	1 (NH)
GHBE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	2 (NH)
GHCE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	3 (NH)
GHDE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	4 (NH)
GHAI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	1 (NH)
GHBI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	2 (NH)
GHCI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	3 (NH)
GHDI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	4 (NH)
GHAK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	1 (NH)
GHBK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	2 (NH)
GHCK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	3 (NH)
GHDK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	4 (NH)

* GRID products to be deleted.

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
GHAM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	1 (NH)
GHBM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	2 (NH)
GHCM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	3 (NH)
GHDM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	4 (NH)
GHAO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	1 (NH)
GHBO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	2 (NH)
GHCO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	3 (NH)
GHDO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	4 (NH)
GHAQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	1 (NH)
GHBQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	2 (NH)
GHCQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	3 (NH)
GHdq50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	4 (NH)
*GHAS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	1 (NH)
*GHBS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	2 (NH)
*GHCS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	3 (NH)
*GHDS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	4 (NH)
GPIA98	ECMF	YY1200	55555	MSL pressure analysis	9 (SH)
GPJA98	ECMF	YY1200	55555	MSL pressure analysis	10 (SH)
GPKA98	ECMF	YY1200	55555	MSL pressure analysis	11 (SH)
GPLA98	ECMF	YY1200	55555	MSL pressure analysis	12 (SH)
GPIE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	9 (SH)
GPJE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	10 (SH)
GPKE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	11 (SH)
GPLE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	12 (SH)
GPII98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	9 (SH)
GPJI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	10 (SH)
GPKI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	11 (SH)
GPLI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	12 (SH)
GPIK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	9 (SH)
GPJK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	10 (SH)
GPKK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	11 (SH)
GPLK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	12 (SH)
GPIM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	9 (SH)
GPJM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	10 (SH)
GPKM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	11 (SH)
GPLM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	12 (SH)
GPIO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	9 (SH)
GPJO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	10 (SH)
GPKO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	11 (SH)
GPLO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	12 (SH)

* GRID products to be deleted.

TTAAII	CCCC	YYGGGG	LLLL	Product	Area
GPIQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	9 (SH)
GPJQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	10 (SH)
GPKQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	11 (SH)
GPLQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	12 (SH)
GPIS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	9 (SH)
GPJS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	10 (SH)
GPKS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	11 (SH)
GPLS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	12 (SH)
GTIA85	ECMF	YY1200	55555	850 hPa temperature analysis	9 (SH)
GTJA85	ECMF	YY1200	55555	850 hPa temperature analysis	10 (SH)
GTKA85	ECMF	YY1200	55555	850 hPa temperature analysis	11 (SH)
GTLA85	ECMF	YY1200	55555	850 hPa temperature analysis	12 (SH)
GTIE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	9 (SH)
GTJE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	10 (SH)
GTKE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	11 (SH)
GTL E85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	12 (SH)
GTII85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	9 (SH)
GTJI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	10 (SH)
GTKI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	11 (SH)
GTLI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	12 (SH)
GTIK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	9 (SH)
GTJK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	10 (SH)
GTKK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	11 (SH)
GTLK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	12 (SH)
GTIM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	9 (SH)
GTJM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	10 (SH)
GTKM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	11 (SH)
GTLM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	12 (SH)
GTIO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	9 (SH)
GTJO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	10 (SH)
GTKO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	11 (SH)
GTL O85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	12 (SH)
+GTIQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	9 (SH)
+GTJQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	10 (SH)
+GTKQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	11 (SH)
+GTLQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	12 (SH)
GHIA50	ECMF	YY1200	55555	500 hPa geopotential analysis	9 (SH)
GHJA50	ECMF	YY1200	55555	500 hPa geopotential analysis	10 (SH)
GHKA50	ECMF	YY1200	55555	500 hPa geopotential analysis	11 (SH)
GHLA50	ECMF	YY1200	55555	500 hPa geopotential analysis	12 (SH)

+ GRID products to be inserted.

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
GHIE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	9 (SH)
GHJE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	10 (SH)
GHKE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	11 (SH)
GHLE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	12 (SH)
GHII50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	9 (SH)
GHJI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	10 (SH)
GHKI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	11 (SH)
GHLI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	12 (SH)
GHIK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	9 (SH)
GHJK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	10 (SH)
GHKK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	11 (SH)
GHLK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	12 (SH)
GHIM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	9 (SH)
GHJM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	10 (SH)
GHKM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	11 (SH)
GHLM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	12 (SH)
GHIO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	9 (SH)
GHJO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	10 (SH)
GHKO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	11 (SH)
GHLO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	12 (SH)
GHIQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	9 (SH)
GHJQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	10 (SH)
GHKQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	11 (SH)
GHLQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	12 (SH)
*GHIS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	9 (SH)
*GHJS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	10 (SH)
*GHKS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	11 (SH)
*GHLS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	12 (SH)
GWEA85	ECMF	YY1200	55555	850 hPa wind analysis	5 (Trop)
GWFA85	ECMF	YY1200	55555	850 hPa wind analysis	6 (Trop)
GWGA85	ECMF	YY1200	55555	850 hPa wind analysis	7 (Trop)
GWHA85	ECMF	YY1200	55555	850 hPa wind analysis	8 (Trop)
GWEE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	5 (Trop)
GWFE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	6 (Trop)
GWGE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	7 (Trop)
GWHE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	8 (Trop)
GWEI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	5 (Trop)
GWFI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	6 (Trop)
GWGI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	7 (Trop)
GWHI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	8 (Trop)
GWEK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	5 (Trop)
GWFK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	6 (Trop)
GWGK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	7 (Trop)
GWHK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	8 (Trop)

* GRID products to be deleted.

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
GWEA20	ECMF	YY1200	55555	200 hPa wind analysis	5 (Trop)
GWFA20	ECMF	YY1200	55555	200 hPa wind analysis	6 (Trop)
GWGA20	ECMF	YY1200	55555	200 hPa wind analysis	7 (Trop)
GWHA20	ECMF	YY1200	55555	200 hPa wind analysis	8 (Trop)
GWEE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	5 (Trop)
GWFE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	6 (Trop)
GWGE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	7 (Trop)
GWHE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	8 (Trop)
GWEI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	5 (Trop)
GWFI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	6 (Trop)
GWGI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	7 (Trop)
GWHI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	8 (Trop)
GWEK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	5 (Trop)
GWFK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	6 (Trop)
GWGK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	7 (Trop)
GWHK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	8 (Trop)
GPQA98	ECMF	YY1200	55555	MSL pressure analysis	13
GPRA98	ECMF	YY1200	55555	MSL pressure analysis	14
GPYA98	ECMF	YY1200	55555	MSL pressure analysis	15
GPZA98	ECMF	YY1200	55555	MSL pressure analysis	16
GPQE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	13
GPRE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	14
GPYE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	15
GPZE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	16
GPQI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	13
GPRI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	14
GPYI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	15
GPZI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	16
GPQK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	13
GPRK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	14
GPYK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	15
GPZK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	16
GTQA85	ECMF	YY1200	55555	850 hPa temperature analysis	13
GTRA85	ECMF	YY1200	55555	850 hPa temperature analysis	14
GTYA85	ECMF	YY1200	55555	850 hPa temperature analysis	15
GTZA85	ECMF	YY1200	55555	850 hPa temperature analysis	16
GTQE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	13
GTRE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	14
GTYE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	15
GTZE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	16
GTQI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	13
GTRI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	14
GTYI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	15
GTZI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	16

TTAAII	CCCC	YYGGGG	LLLL	Product	Area
GTQK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	13
GTRK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	14
GTYK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	15
GTZK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	16
GWQA85	ECMF	YY1200	55555	850 hPa wind analysis	13
GWRA85	ECMF	YY1200	55555	850 hPa wind analysis	14
GWYA85	ECMF	YY1200	55555	850 hPa wind analysis	15
GWZA85	ECMF	YY1200	55555	850 hPa wind analysis	16
GWQE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	13
GWRE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	14
GWYE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	15
GWZE85	ECMF	YY1200	55555	850 hPa wind 24 hr forecast	16
GWQI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	13
GWRI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	14
GWYI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	15
GWZI85	ECMF	YY1200	55555	850 hPa wind 48 hr forecast	16
GWQK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	13
GWRK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	14
GWYK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	15
GWZK85	ECMF	YY1200	55555	850 hPa wind 72 hr forecast	16
GHQA50	ECMF	YY1200	55555	500 hPa geopotential analysis	13
GHRA50	ECMF	YY1200	55555	500 hPa geopotential analysis	14
GHYA50	ECMF	YY1200	55555	500 hPa geopotential analysis	15
GHZA50	ECMF	YY1200	55555	500 hPa geopotential analysis	16
GHQE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	13
GHRE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	14
GHYE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	15
GHZE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	16
GHQI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	13
GHRI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	14
GHYI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	15
GHZI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	16
GHQK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	13
GHRK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	14
GHYK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	15
GHZK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	16
GWQA20	ECMF	YY1200	55555	200 hPa wind analysis	13
GWRA20	ECMF	YY1200	55555	200 hPa wind analysis	14
GWYA20	ECMF	YY1200	55555	200 hPa wind analysis	15
GWZA20	ECMF	YY1200	55555	200 hPa wind analysis	16
GWQE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	13
GWRE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	14
GWYE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	15
GWZE20	ECMF	YY1200	55555	200 hPa wind 24 hr forecast	16

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
GWQI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	13
GWRI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	14
GWYI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	15
GWZI20	ECMF	YY1200	55555	200 hPa wind 48 hr forecast	16
GWQK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	13
GWRK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	14
GWYK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	15
GWZK20	ECMF	YY1200	55555	200 hPa wind 72 hr forecast	16
HPAA98	ECMF	YY1200	55555	MSL pressure analysis	1 (NH)
HPBA98	ECMF	YY1200	55555	MSL pressure analysis	2 (NH)
HPCA98	ECMF	YY1200	55555	MSL pressure analysis	3 (NH)
HPDA98	ECMF	YY1200	55555	MSL pressure analysis	4 (NH)
HPAE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	1 (NH)
HPBE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	2 (NH)
HPCE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	3 (NH)
HPDE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	4 (NH)
HPAI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	1 (NH)
HPBI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	2 (NH)
HPCI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	3 (NH)
HPDI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	4 (NH)
HPAK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	1 (NH)
HPBK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	2 (NH)
HPCK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	3 (NH)
HPDK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	4 (NH)
HPAM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	1 (NH)
HPBM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	2 (NH)
HPCM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	3 (NH)
HPDM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	4 (NH)
HPA098	ECMF	YY1200	55555	MSL pressure 120 hr forecast	1 (NH)
HPB098	ECMF	YY1200	55555	MSL pressure 120 hr forecast	2 (NH)
HPC098	ECMF	YY1200	55555	MSL pressure 120 hr forecast	3 (NH)
HPD098	ECMF	YY1200	55555	MSL pressure 120 hr forecast	4 (NH)
HPAQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	1 (NH)
HPBQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	2 (NH)
HPCQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	3 (NH)
HPDQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	4 (NH)
*HPAS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	1 (NH)
*HPBS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	2 (NH)
*HPCS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	3 (NH)
*HPDS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	4 (NH)

• GRIB products to be deleted.

TTAAII	CCCC	YGGGG	CLLLL	Product	Area
HTAA85	ECMF	YY1200	55555	850 hPa temperature analysis	1 (NH)
HTBA85	ECMF	YY1200	55555	850 hPa temperature analysis	2 (NH)
HTCA85	ECMF	YY1200	55555	850 hPa temperature analysis	3 (NH)
HTDA85	ECMF	YY1200	55555	850 hPa temperature analysis	4 (NH)
HTAE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	1 (NH)
HTBE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	2 (NH)
HTCE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	3 (NH)
HTDE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	4 (NH)
HTAI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	1 (NH)
HTBI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	2 (NH)
HTCI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	3 (NH)
HTDI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	4 (NH)
HTAK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	1 (NH)
HTBK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	2 (NH)
HTCK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	3 (NH)
HTDK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	4 (NH)
HTAM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	1 (NH)
HTBM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	2 (NH)
HTCM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	3 (NH)
HTDM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	4 (NH)
HTAO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	1 (NH)
HTBO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	2 (NH)
HTCO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	3 (NH)
HTDO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	4 (NH)
HTAQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	1 (NH)
HTBQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	2 (NH)
HTCQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	3 (NH)
HTDQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	4 (NH)
*HTAS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	1 (NH)
*HTBS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	2 (NH)
*HTCS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	3 (NH)
*HTDS85	ECMF	YY1200	55555	850 hPa temperature 168 hr forecast	4 (NH)
HHAA50	ECMF	YY1200	55555	500 hPa geopotential analysis	1 (NH)
HHBA50	ECMF	YY1200	55555	500 hPa geopotential analysis	2 (NH)
HHCA50	ECMF	YY1200	55555	500 hPa geopotential analysis	3 (NH)
HHDA50	ECMF	YY1200	55555	500 hPa geopotential analysis	4 (NH)
HHAE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	1 (NH)
HHBE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	2 (NH)
HHCE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	3 (NH)
HHDE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	4 (NH)

* GRIB products to be deleted.

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
HHAI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	1 (NH)
HHBI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	2 (NH)
HHCI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	3 (NH)
HHDI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	4 (NH)
HHAK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	1 (NH)
HHBK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	2 (NH)
HHCK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	3 (NH)
HHDK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	4 (NH)
HHAM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	1 (NH)
HHBM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	2 (NH)
HHCM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	3 (NH)
HHDM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	4 (NH)
HHA050	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	1 (NH)
HHB050	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	2 (NH)
HHC050	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	3 (NH)
HHO050	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	4 (NH)
HHAQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	1 (NH)
HHBQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	2 (NH)
HHCQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	3 (NH)
HHDQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	4 (NH)
*HHAS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	1 (NH)
*HHBS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	2 (NH)
*HHCS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	3 (NH)
*HHDS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	4 (NH)
HPIA98	ECMF	YY1200	55555	MSL pressure analysis	9 (SH)
HPJA98	ECMF	YY1200	55555	MSL pressure analysis	10 (SH)
HPKA98	ECMF	YY1200	55555	MSL pressure analysis	11 (SH)
HPLA98	ECMF	YY1200	55555	MSL pressure analysis	12 (SH)
HPIE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	9 (SH)
HPJE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	10 (SH)
HPKE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	11 (SH)
HPLE98	ECMF	YY1200	55555	MSL pressure 24 hr forecast	12 (SH)
HPII98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	9 (SH)
HPJI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	10 (SH)
HPKI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	11 (SH)
HPLI98	ECMF	YY1200	55555	MSL pressure 48 hr forecast	12 (SH)
HPIK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	9 (SH)
HPJK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	10 (SH)
HPKK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	11 (SH)
HPLK98	ECMF	YY1200	55555	MSL pressure 72 hr forecast	12 (SH)

• GRIB products to be deleted.

TTAAII	CCCC	YGGGG	CLLLL	Product	Area
HPIM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	9 (SH)
HPJM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	10 (SH)
HPKM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	11 (SH)
HPLM98	ECMF	YY1200	55555	MSL pressure 96 hr forecast	12 (SH)
HPIO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	9 (SH)
HPJO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	10 (SH)
HPKO98	ECMF	YY1200	55555	MSL pressure 120 hr forecast	11 (SH)
HPL098	ECMF	YY1200	55555	MSL pressure 120 hr forecast	12 (SH)
HPIQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	9 (SH)
HPJQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	10 (SH)
HPKQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	11 (SH)
HPLQ98	ECMF	YY1200	55555	MSL pressure 144 hr forecast	12 (SH)
*HPIS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	9 (SH)
*HPJS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	10 (SH)
*HPKS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	11 (SH)
*HPLS98	ECMF	YY1200	55555	MSL pressure 168 hr forecast	12 (SH)
HTIA85	ECMF	YY1200	55555	850 hPa temperature analysis	9 (SH)
HTJA85	ECMF	YY1200	55555	850 hPa temperature analysis	10 (SH)
HTKA85	ECMF	YY1200	55555	850 hPa temperature analysis	11 (SH)
HTLA85	ECMF	YY1200	55555	850 hPa temperature analysis	12 (SH)
HTIE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	9 (SH)
HTJE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	10 (SH)
HTKE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	11 (SH)
HTLE85	ECMF	YY1200	55555	850 hPa temperature 24 hr forecast	12 (SH)
HTII85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	9 (SH)
HTJI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	10 (SH)
HTKI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	11 (SH)
HTLI85	ECMF	YY1200	55555	850 hPa temperature 48 hr forecast	12 (SH)
HTIK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	9 (SH)
HTJK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	10 (SH)
HTKK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	11 (SH)
HTLK85	ECMF	YY1200	55555	850 hPa temperature 72 hr forecast	12 (SH)
HTIM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	9 (SH)
HTJM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	10 (SH)
HTKM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	11 (SH)
HTLM85	ECMF	YY1200	55555	850 hPa temperature 96 hr forecast	12 (SH)
HTIO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	9 (SH)
HTJO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	10 (SH)
HTKO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	11 (SH)
HTLO85	ECMF	YY1200	55555	850 hPa temperature 120 hr forecast	12 (SH)

* GRIB products to be deleted.

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
+HTIQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	9 (SH)
+HTJQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	10 (SH)
+HTKQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	11 (SH)
+HTLQ85	ECMF	YY1200	55555	850 hPa temperature 144 hr forecast	12 (SH)
HHIA50	ECMF	YY1200	55555	500 hPa geopotential analysis	9 (SH)
HHJA50	ECMF	YY1200	55555	500 hPa geopotential analysis	10 (SH)
HHKA50	ECMF	YY1200	55555	500 hPa geopotential analysis	11 (SH)
HHLA50	ECMF	YY1200	55555	500 hPa geopotential analysis	12 (SH)
HHIE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	9 (SH)
HHJE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	10 (SH)
HHKE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	11 (SH)
HHLE50	ECMF	YY1200	55555	500 hPa geopotential 24 hr forecast	12 (SH)
HHII50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	9 (SH)
HHJI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	10 (SH)
HHKI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	11 (SH)
HHLI50	ECMF	YY1200	55555	500 hPa geopotential 48 hr forecast	12 (SH)
HHIK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	9 (SH)
HHJK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	10 (SH)
HHKK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	11 (SH)
HHLK50	ECMF	YY1200	55555	500 hPa geopotential 72 hr forecast	12 (SH)
HHIM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	9 (SH)
HHJM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	10 (SH)
HHKM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	11 (SH)
HHLM50	ECMF	YY1200	55555	500 hPa geopotential 96 hr forecast	12 (SH)
HHIO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	9 (SH)
HHJO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	10 (SH)
HHKO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	11 (SH)
HHLO50	ECMF	YY1200	55555	500 hPa geopotential 120 hr forecast	12 (SH)
HHIQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	9 (SH)
HHJQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	10 (SH)
HHKQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	11 (SH)
HHLQ50	ECMF	YY1200	55555	500 hPa geopotential 144 hr forecast	12 (SH)
*HHIS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	9 (SH)
*HHJS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	10 (SH)
*HHKS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	11 (SH)
*HHLS50	ECMF	YY1200	55555	500 hPa geopotential 168 hr forecast	12 (SH)
HUEA85	ECMF	YY1200	55555	850 hPa u-wind compt analysis	5 (Trop)
HVEA85	ECMF	YY1200	55555	850 hPa v-wind compt analysis	5 (Trop)
HUFA85	ECMF	YY1200	55555	850 hPa u-wind compt analysis	6 (Trop)
HVFA85	ECMF	YY1200	55555	850 hPa v-wind compt analysis	6 (Trop)

+ GRIB products to be inserted.

* GRIB products to be deleted.

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
HUGA85	ECMF	YY1200	55555	850 hPa u-wind compt analysis	7 (Trop)
HVGA85	ECMF	YY1200	55555	850 hPa v-wind compt analysis	7 (Trop)
HUHA85	ECMF	YY1200	55555	850 hPa u-wind compt analysis	8 (Trop)
HVHA85	ECMF	YY1200	55555	850 hPa v-wind compt analysis	8 (Trop)
HUEE85	ECMF	YY1200	55555	850 hPa u-wind compt 24 hr forecast	5 (Trop)
HVEE85	ECMF	YY1200	55555	850 hPa v-wind compt 24 hr forecast	5 (Trop)
HUFE85	ECMF	YY1200	55555	850 hPa u-wind compt 24 hr forecast	6 (Trop)
HVFE85	ECMF	YY1200	55555	850 hPa v-wind compt 24 hr forecast	6 (Trop)
HUGE85	ECMF	YY1200	55555	850 hPa u-wind compt 24 hr forecast	7 (Trop)
HVGE85	ECMF	YY1200	55555	850 hPa v-wind compt 24 hr forecast	7 (Trop)
HUHE85	ECMF	YY1200	55555	850 hPa u-wind compt 24 hr forecast	8 (Trop)
HVHE85	ECMF	YY1200	55555	850 hPa v-wind compt 24 hr forecast	8 (Trop)
HUEI85	ECMF	YY1200	55555	850 hPa u-wind compt 48 hr forecast	5 (Trop)
HVEI85	ECMF	YY1200	55555	850 hPa v-wind compt 48 hr forecast	5 (Trop)
HUFI85	ECMF	YY1200	55555	850 hPa u-wind compt 48 hr forecast	6 (Trop)
HVFI85	ECMF	YY1200	55555	850 hPa v-wind compt 48 hr forecast	6 (Trop)
HUGI85	ECMF	YY1200	55555	850 hPa u-wind compt 48 hr forecast	7 (Trop)
HVGI85	ECMF	YY1200	55555	850 hPa v-wind compt 48 hr forecast	7 (Trop)
HUHI85	ECMF	YY1200	55555	850 hPa u-wind compt 48 hr forecast	8 (Trop)
HVHI85	ECMF	YY1200	55555	850 hPa v-wind compt 48 hr forecast	8 (Trop)
HUEK85	ECMF	YY1200	55555	850 hPa u-wind compt 72 hr forecast	5 (Trop)
HVEK85	ECMF	YY1200	55555	850 hPa v-wind compt 72 hr forecast	5 (Trop)
HUFK85	ECMF	YY1200	55555	850 hPa u-wind compt 72 hr forecast	6 (Trop)
HVFK85	ECMF	YY1200	55555	850 hPa v-wind compt 72 hr forecast	6 (Trop)
HUGK85	ECMF	YY1200	55555	850 hPa u-wind compt 72 hr forecast	7 (Trop)
HVGK85	ECMF	YY1200	55555	850 hPa v-wind compt 72 hr forecast	7 (Trop)
HUHK85	ECMF	YY1200	55555	850 hPa u-wind compt 72 hr forecast	8 (Trop)
HVHK85	ECMF	YY1200	55555	850 hPa v-wind compt 72 hr forecast	8 (Trop)
HUEA20	ECMF	YY1200	55555	200 hPa u-wind compt analysis	5 (Trop)
HVEA20	ECMF	YY1200	55555	200 hPa v-wind compt analysis	5 (Trop)
HUFA20	ECMF	YY1200	55555	200 hPa u-wind compt analysis	6 (Trop)
HVFA20	ECMF	YY1200	55555	200 hPa v-wind compt analysis	6 (Trop)
HUGA20	ECMF	YY1200	55555	200 hPa u-wind compt analysis	7 (Trop)
HVGA20	ECMF	YY1200	55555	200 hPa v-wind compt analysis	7 (Trop)
HUHA20	ECMF	YY1200	55555	200 hPa u-wind compt analysis	8 (Trop)
HVHA20	ECMF	YY1200	55555	200 hPa v-wind compt analysis	8 (Trop)
HUEE20	ECMF	YY1200	55555	200 hPa u-wind compt 24 hr forecast	5 (Trop)
HVEE20	ECMF	YY1200	55555	200 hPa v-wind compt 24 hr forecast	5 (Trop)
HUFE20	ECMF	YY1200	55555	200 hPa u-wind compt 24 hr forecast	6 (Trop)
HVFE20	ECMF	YY1200	55555	200 hPa v-wind compt 24 hr forecast	6 (Trop)
HUGE20	ECMF	YY1200	55555	200 hPa u-wind compt 24 hr forecast	7 (Trop)
HVGE20	ECMF	YY1200	55555	200 hPa v-wind compt 24 hr forecast	7 (Trop)
HUHE20	ECMF	YY1200	55555	200 hPa u-wind compt 24 hr forecast	8 (Trop)
HVHE20	ECMF	YY1200	55555	200 hPa v-wind compt 24 hr forecast	8 (Trop)

TTAAII	CCCC	YYGGGG	CLLLL	Product	Area
HUEI20	ECMF	YY1200	55555	200 hPa u-wind compt 48 hr forecast	5 (Trop)
HVEI20	ECMF	YY1200	55555	200 hPa v-wind compt 48 hr forecast	5 (Trop)
HUFI20	ECMF	YY1200	55555	200 hPa u-wind compt 48 hr forecast	6 (Trop)
HVFI20	ECMF	YY1200	55555	200 hPa v-wind compt 48 hr forecast	6 (Trop)
HUGI20	ECMF	YY1200	55555	200 hPa u-wind compt 48 hr forecast	7 (Trop)
HVGI20	ECMF	YY1200	55555	200 hPa v-wind compt 48 hr forecast	7 (Trop)
HUHI20	ECMF	YY1200	55555	200 hPa u-wind compt 48 hr forecast	8 (Trop)
HVHI20	ECMF	YY1200	55555	200 hPa v-wind compt 48 hr forecast	8 (Trop)
HUEK20	ECMF	YY1200	55555	200 hPa u-wind compt 72 hr forecast	5 (Trop)
HVEK20	ECMF	YY1200	55555	200 hPa v-wind compt 72 hr forecast	5 (Trop)
HUFK20	ECMF	YY1200	55555	200 hPa u-wind compt 72 hr forecast	6 (Trop)
HVFK20	ECMF	YY1200	55555	200 hPa v-wind compt 72 hr forecast	6 (Trop)
HUGK20	ECMF	YY1200	55555	200 hPa u-wind compt 72 hr forecast	7 (Trop)
HVGK20	ECMF	YY1200	55555	200 hPa v-wind compt 72 hr forecast	7 (Trop)
HUHK20	ECMF	YY1200	55555	200 hPa u-wind compt 72 hr forecast	8 (Trop)
HVHK20	ECMF	YY1200	55555	200 hPa v-wind compt 72 hr forecast	8 (Trop)