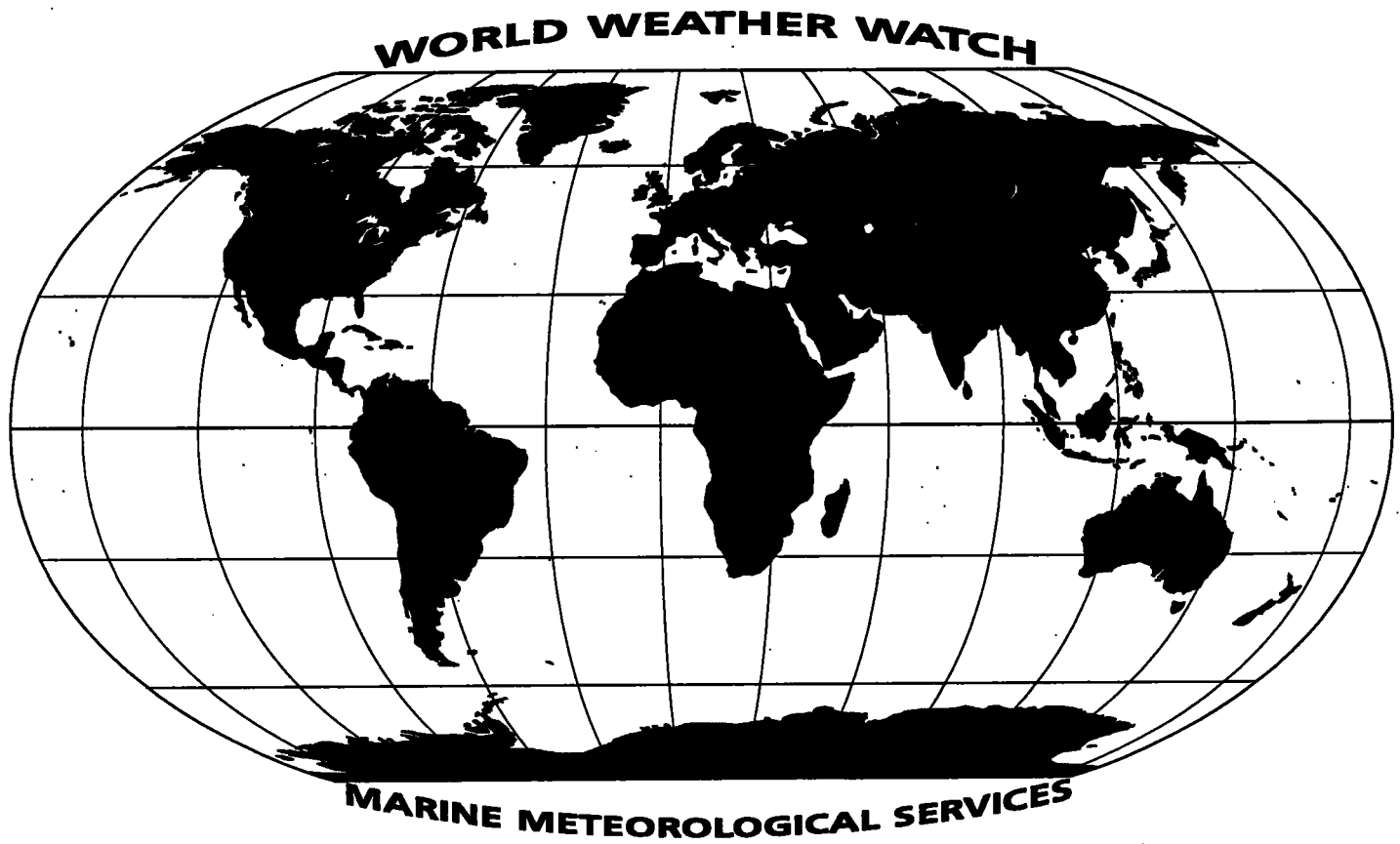


# **OPERATIONAL** *newsletter*

Volume 1995 — No. 2

(February 1995)



World Meteorological Organization  
GENEVA

The WMO Secretariat would like to express its appreciation to all those who have contributed material to the "Operational Newsletter". ■

# Foreword

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 we have created the "OPERATIONAL NEWSLETTER" to provide you with the latest operational information on WWW and MMS.

A special table is included in the "OPERATIONAL NEWSLETTER" in Annex I - *Global Observing System* to assist Members in reporting changes in the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated.



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



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# Annex I

## GLOBAL OBSERVING SYSTEM

### A. GOS REGULATORY OR GUIDANCE MATERIAL

### 3. GUIDANCE MATERIAL ON INSTRUMENTS AND OBSERVING METHODS

#### 3.1 WMO Catalogue of Radiosondes and Upper-air Wind Systems in use by Members

Reference: *Operational Newsletter* — Volume 1994- No. 2

WMO Index Number	93012	93112	03496	03808
Name of Station	Kaitaia	Whenuapai	Hemsby	Camborne
Technical Authority over Station	New Zealand	New Zealand	UK Met. Office	UK Met. Office
Degrees: Latitude (- = S)	-35.13	-36.78	52.68	50.22
Longitude (- = W)	173.27	174.63	1.68	-5.32
Height (Metres)	86	30	14	88
Program: TEMP		0012	00061218	00061218
PILOT	001218			
SONDE: Regular Type Used		VRS80	VRS80L	VRS80L
Alternative Type Used				
Frequency (MHz)		403		
Radiation: Correction Y=Yes/N=No		Y		
Correction Type Used		V86		
Ground Equipment Used:		PC-CORA		
WINDFINDING: System Used	RADAR			
Equipment Used	EEC WF100			
Date:	01/95	01/95	01/95	01/95

### C. INFORMATION ON THE OPERATIONAL STATUS OF ELEMENTS OF THE SURFACE-BASED SUB-SYSTEM

#### 1. PUBLICATION NO. 9, VOLUME A - STATIONS

##### 1.1 New stations

Index No.	Name	Latitude	Longitude	Elevation		Pressure Level	Surface observations								Obs. H	Upper-air				Re-marks
				HP	H/HA		00	03	06	09	12	15	18	21		Obs. S	00	06	12	
<b>Region III — Islands</b>																				
88981	Zavodovski Is.	56°17'S	27°35'W	113	104		X	X	X	X	X	X	X	X					AUT	
88986	South Thule Is.	59°27'S	27°19'W	27	8		X	X	X	X	X	X	X	X					AUT	
<b>Region V — New Zealand</b>																				
93845	Invercargill Airport AWS	46°25'S	168°20'E	2	0		X	X	X	X	X	X	X	X	H00-24				AUT	

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**1. Publication No. 9, Volume A - Stations / 1.1 New stations (continued)**

Index No.	Name	Latitude	Longitude	Elevation		Pressure Level	Surface observations								Obs. H	Upper-air				Re-marks
				HP	H/HA		00	03	06	09	12	15	18	21		Obs. S	00	06	12	
<b>Region VI — Czech Republic</b>																				
11509	Doksany	50°28'N	14°10'E	159	158		X	X	X	X	X	X	X	X						
<b>Region VI — Germany</b>																				
10192	Heringsdorf	53°53'N	14°09'E		22		.	.	.	.	.	.	.	.						
10272	Wittstock	53°12'N	12°31'E	74	72		.	.	.	.	.	.	.	.		RW	RW	RW	W	
10506	Nuerburg-Barweiler	50°21'N	06°52'E	486	485		X	X	X	X	X	X	X	X	H00-24					
10805	Lahr	48°22'E	07°50'E	157	155		X	X	X	X	X	X	X	X	H00-24					
10828	Sigmaringen	48°06'N	09°15'E	646	645		X	X	X	X	X	X	X	X	H00-24					
<b>Region VI — Iceland</b>																				
04101	Bjargtangar	65°30'N	24°31'W	36	35		X	X	X	X	X	X	X	X					AUT	
04103	Patreksfjurdur	65°36'N	24°00'W	4	3		X	X	X	X	X	X	X	X					AUT	
04104	Gufuskalar	64°54'N	23°56'W	7	6		X	X	X	X	X	X	X	X					AUT	
04109	Thverfjall	66°03'N	23°19'W	753	752		X	X	X	X	X	X	X	X					AUT	
04115	Dynjandiheidi	65°42'N	23°05'W	621	620		X	X	X	X	X	X	X	X					AUT	
04119	Thingmannaheidi	65°38'N	22°48'W	299	298		X	X	X	X	X	X	X	X					AUT	
04120	Grindavik	63°51'N	22°25'W	4	3		X	X	X	X	X	X	X	X					AUT	
04124	Straumsvik	64°03'N	22°20'W	5	4		X	X	X	X	X	X	X	X					AUT	
04126	Grundartangi	64°21'N	21°47'W	5	4		X	X	X	X	X	X	X	X					AUT	
04130	Reykjavik	64°08'N	21°54'W	53	52		X	X	X	X	X	X	X	X					AUT	
04131	Gjogur	65°59'N	21°21'W	32	31		X	X	X	X	X	X	X	X					AUT	
04140	Thorlakshofn	63°51'N	21°23'W	5	4		X	X	X	X	X	X	X	X					AUT	
04149	Kolka	65°24'N	19°43'W	505	504		X	X	X	X	X	X	X	X					AUT	
04154	Burfell	64°05'N	19°44'W	249	248		X	X	X	X	X	X	X	X					AUT	
04160	Thufuver	64°35'N	18°36'W	614	613		X	X	X	X	X	X	X	X					AUT	
04161	Dalvik	65°58'N	18°32'W	4	3		X	X	X	X	X	X	X	X					AUT	
04162	Veidivatnahraun	64°24'N	18°30'W	648	647		X	X	X	X	X	X	X	X					AUT	
04165	Grimsey	66°32'N	18°01'W	17	16		X	X	X	X	X	X	X	X					AUT	
04166	Jokulheimar	64°19'N	18°13'W	727	726		X	X	X	X	X	X	X	X					AUT	
04168	Sandbudir	64°56'N	17°59'W	821	820		X	X	X	X	X	X	X	X					AUT	
04170	Skardsfjoruviti	63°31'N	17°59'W	9	8		X	X	X	X	X	X	X	X					AUT	
04180	Hvanney	64°14'N	15°12'W	5	4		X	X	X	X	X	X	X	X					AUT	
04183	Fontur	66°23'N	14°32'W	44	43		X	X	X	X	X	X	X	X					AUT	
04193	Gagnheidi	65°13'N	14°16'W	949	948		X	X	X	X	X	X	X	X					AUT	
04196	Kambanes	64°48'N	13°51'W		34		X	X	X	X	X	X	X	X					AUT	
04197	Dalatangi	65°16'N	13°35'W	11	10		X	X	X	X	X	X	X	X					AUT	
<b>Region VI — Sweden</b>																				
02460	Stockholm/Arlanda	59°39'N	17°57'E	61	38		X	X	X	X	X	X	X	X						
<b>Antarctic (stations operated by Italy)</b>																				
89661	Cape Phillips	73°03'S	169°36'E	201	200		X	X	X	X	X	X	X	X					AUT	
89666	Cape Ross	76°43'S	162°58'E	201	200		X	X	X	X	X	X	X	X					AUT	



**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**1. Publication No. 9, Volume A - Stations / 1.2 Deleted stations**

**1.2 Deleted stations**

Region	Index No.	Name
V — New Zealand	93224	Manunui
	93320	Marco
VI — Germany	10324	Minden
	10337	Hildesheim
	10370	Brandenburg-Briest
	10493	Preschen
	10510	Nuerburg
	10643	Babenhausen
	10834	Riedlingen
	10839	Ulm-Wilhelmsburg
	10921	Neuhausen Ob Eck

Region	Index No.	Name
VI — Iceland	04004	Gufuskalar
	04009	Thverfjall
	04031	Gjogur
	04054	Burfell
	04060	Thufuver
VI — Sweden	04096	Kambanes
	02464	Stockholm/Bromma
	02465	Stockholm/Bromma
	02480	Norrtalje/Vasby
	02662	Vissefjarda

**1.3 Changes to existing stations**

Index No.	Name	Latitude	Longitude	Elevation		Pressure Level	Surface observations							Obs. H Obs. S	Upper-air				Remarks	
				HP	H/HA		00	03	06	09	12	15	18		21	00	06	12		18
<b>Region I — Ocean Islands</b>																				
61968	Iles Glorieuses	11°35'S	47°17'E	4	3		X	X	X	X	X	X	X	X	H00-24		P			AUT
61970	Ile Juan de Nova	17°03'S	42°42'E	10	9		X	X	X	X	X	X	X	X	H00-24		P			AUT
61972	Ile Europa	22°19'S	40°20'E	13	12		X	X	X	X	X	X	X	X	H00-24		P			AUT
61976	Serge-Frolow (Ile Tromelin)	15°53'S	54°31'E	13	7		X	X	X	X	X	X	X	X	H00-24		P	W		AUT
61997	Alfred Faure (Iles Crozet)	46°26'S	51°52'E	142	143		X	X	X	X	X	X	X	X	H00-24					AUT
<b>Region II — Oman</b>																				
41256	Seeb Int'l Airport	23°35'N	58°17'E		8		X	X	X	X	X	X	X	X	H00-24	FW				
<b>Region IV — USA</b>																				
72247	Longview, TX	32°21'N	94°39'W	124	124										H00-23					
(Upper-air program discontinued effective 13 February 1995)																				
72248	Shreveport/Reg., LA	32°28'N	93°49'W	79	78		X		X		X		X		H00-23	FW		FW		
(Replaces 72247 for upper-air observations effective 14 February 1995)																				
<b>Region VI — Czech Republic</b>																				
11518	Praha/Ruzyne	50°06'N	14°15'E	365	365		X	X	X	X	X	X	X	X						
<b>Region VI — Denmark &amp; Faroe Islands</b>																				
06009	Akraberg	61°24'N	06°40'W	103	103					X	X	X								
06034	Sindal Flyveplads	57°30'N	10°14'E	28	28				X	X	X	X	X		H08					

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**1. Publication No. 9, Volume A - Stations / 1.3 Changes to existing stations (continued)**

Index No.	Name	Latitude	Longitude	Elevation		Pressure Level	Surface observations								Obs. H Obs. S	Upper-air				Re- marks
				HP	H/HA		00	03	06	09	12	15	18	21		00	06	12	18	
<b>Region VI — Germany</b>																				
10022	Leck	54°48'N	08°57'E	17	7		X	X	X	X	X	X	X	X	H00-24					
10033	Gluecksburg/ Meierwik	54°50'N	09°30'E	33	27		X	X	X	X	X	X	X	X	H00-24					
10093	Putbus	54°22'N	13°29'E	34	40		X	X	X	X	X	X	X	X	H00-24					
10156	Luebeck-Blankensee	53°49'N	10°42'E	15	14				X	X	X	X			H05-15					
10238	Bergen	52°49'N	09°56'E	69	70				X	X	X	X	X	X	H05-21					
10264	Marnitz	53°19'N	11°56'E	85	81		X	X	X	X	X	X	X	X	H00-24					
10281	Trollenhagen	53°36'N	13°19'E	70	71				X	X	X	X	X		H05-19					
10305	Lingen	52°31'N	07°18'E	26	24		X	X	X	X	X	X	X	X	H00-24					
10308	Nordhorn	52°27'N	07°10'E	26	26															
10368	Wiesenburg	52°07'N	12°28'E	188	187		X	X	X	X	X	X	X	X	H00-24					
10376	Baruth	52°03'N	13°30'E	57	56		X	X	X	X	X	X	X	X	H00-24					
10404	Kalkar	51°44'N	06°16'E	43	31				X	X	X	X	X	X	H04-21					
10418	Luedenscheid	51°15'N	07°39'N	392	387		X	X	X	X	X	X	X	X	H00-24					
10469	Leipzig-Schkeuditz	51°25'N	12°14'E	149	144		X	X	X	X	X	X	X	X	H00-24 S03-18					
10526	Bad Marienberg	50°40'N	07°58'E	555	547				X	X	X	X	X	X	H05-21					
10542	Bad Hersfeld	50°51'N	09°44'E	272	273		X	X	X	X	X	X	X	X	H00-24					
10548	Meiningen	50°34'N	10°23'E	453	450		X	X	X	X	X	X	X	X	H00-24	RW	W	RW	W	
10564	Schleiz	50°34'N	11°49'E	502	501		X	X	X	X	X	X	X	X	H00-24					
10578	Fichtelberg	50°26'N	12°57'E	1215	1213	850 HPA	X	X	X	X	X	X	X	X	H00-24					
10616	Hahn	49°57'N	07°16'E	498	491															
10675	Bamberg	49°53'N	10°55'E	240	239				X	X	X	X			H05-15					
10836	Stoetten	48°40'N	09°52'E	738	734		X	X	X	X	X	X	X	X	H00-24					
10948	Oberstdorf	47°24'N	10°17'E	812	810	850 HPA	X	X	X	X	X	X	X	X	H00-24					
10961	Zugspitze	47°25'N	10°59'E	2962	2960	700 HPA	X	X	X	X	X	X	X	X	H00-24					
<b>Region VI — Iceland</b>																				
04005	Bolungavik	66°09'N	23°15'W	24	23		X	X	X	X	X	X	X	X						
04007	Holar I Dyrafirdi	65°52'N	23°36'W		30					X	X		X	X						
04010	Nedri-Holl	64°48'N	23°02'W		8					X	X		X	X						
04069	Stadarholl	65°49'N	17°12'W		42					X	X		X	X						
04085	Skjalldingsstadir	65°42'N	14°49'W	48	44					X	X	X	X	X						
<b>Region VI — Sweden</b>																				
02636	Malmo/Sturup	55°33'N	13°22'E	106	72			X	X	X	X	X	X	X	S00-24					
<b>Antarctic (stations operated by Italy)</b>																				
89662	Base Baia Terra Nova	74°42'S	164°06'E	81	80		X	X	X	X	X	X	X	X		RW		RW		

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**1. Publication No. 9, Volume A - Stations / 1.5 Temporary changes**

**1.5 Temporary changes**

• **Notification for Australia**

**That Australian summer time will cease in:**

- New South Wales, the Australian Capital Territory at 1500 UTC on 4 March 1995;
- Victoria, South Australia and Tasmania at 1500 UTC on 25 March 1995.

**That summer time was not implemented in:**

- Queensland, Western Australia or the Northern Territory.

**That surface observations will revert to normal program in:**

- New South Wales and the Australian Capital Territory from 1500 UTC on 4 March 1995;
- Victoria, South Australia and Tasmania from 1500 UTC on 25 March 1995.

**That no changes will be made to the time of surface observations in:**

- Queensland, Western Australia or the Northern Territory.

**That Upper-air observations will revert to normal program in:**

- Victoria, South Australia and Tasmania from 1500 UTC on 25 March 1995.
- All other Australian Upper-air stations will revert to normal program from 1500 UTC on 4 March 1995.

• **Notification from the Phillipines**

Please find additional information effective 1 February 1995 regarding following stations:

98333	Baler Synoptic	15°46'N / 121°34'E	6 metres	Converted to PAGASA Meteorological Information Centre
98334	Baler Radar	14°45'N / 121°38'E	178 metres	upgraded to a Radar-Synoptic Station

**4. AUTOMATIC MARINE STATIONS**

**KEY: Observed or Technical Parameters**

Column	Parameters
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

Column	Parameters
9	Subsurface temperatures
10	Relative humidity
11	Visibility
-	Parameter not observed
X	Buoy observes this parameter.
.	Data under evaluation, not reported

**C. Information on the operational status of elements of the surface-based sub-system (continued)**
**4. Automatic marine stations / 4.3 United States of America**
**4.3 United States of America**

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the February 1995 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 BUOY code.

**4.3.1 Moored Buoys**

WMO buoy Identifier	ARGOS Identifier	Position: 9 - 16 Feb. 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
32302		18.0S	85.1W	X	X	X	-	X	X	X	-	-	-	-
41001*		34.7N	72.6W	X	X	X	-	X	X	X	-	-	-	-
41002*		32.3N	75.2W	+	+	+	-	+	+	+	-	-	-	-
41004		32.5N	79.1W	X	X	+	-	X	X	X	-	-	-	-
41006*		29.3N	77.3W	X	X	X	-	X	X	X	-	-	-	-
41009		28.5N	80.2W	X	X	X	-	X	X	X	-	-	-	-
41010		28.9N	78.5W	X	X	X	-	X	X	X	-	-	-	-
41016		24.6N	76.5W	X	X	X	-	X	X	X	-	-	-	-
41018		15.0N	75.0W	X	X	X	-	X	X	X	-	-	-	-
41021		31.9N	80.9W	X	X	X	-	X	X	X	-	-	-	-
42001*		25.9N	89.7W	X	X	X	-	X	X	X	-	-	-	-
42002*		25.9N	93.6W	X	X	X	-	X	X	X	-	-	-	-
42003*		25.9N	85.9W	X	X	X	-	X	.	.	-	-	-	-
42007		30.1N	88.8W	X	X	X	-	X	.	.	-	-	-	-
42020		27.0N	96.5W	X	X	X	-	+	X	X	-	-	-	-
42025		24.9N	80.5W	.	X	.	-	X	X	X	-	-	-	-
42035		29.2N	94.4W	X	X	X	-	X	X	X	-	-	-	-
42036		28.5N	84.5W	X	X	X	-	X	X	X	-	-	-	-
42037		24.5N	81.4W	X	X	X	-	X	X	X	-	-	-	-
44004*		38.5N	70.7W	+	X	X	-	X	X	X	-	-	-	-
44005*		42.9N	68.9W	X	X	X	-	X	X	X	-	-	-	-
44006		36.3N	75.5W	X	X	X	-	X	.	.	-	-	-	-
44007		43.5N	70.1W	+	+	+	-	+	+	+	-	-	-	-
44008		40.5N	69.4W	+	+	X	-	X	X	X	-	-	-	-
44009		38.5N	74.7W	+	X	X	-	X	X	X	-	-	-	-
44010		36.0N	75.0W	X	X	X	-	X	.	.	-	-	-	-
44011*		41.1N	66.6W	+	X	X	-	X	X	X	-	-	-	-
44013		42.4N	70.7W	X	X	X	-	+	X	X	-	-	-	-

\* Base funded station of National Weather Service (NWS); however, all stations report data to NWS

+ Sensor/system failure

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**4. Automatic marine stations / 4.3 United States of America (continued)**

WMO buoy Identifier	ARGOS Identifier	Position: 9 - 16 Feb. 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
44014		36.6N	74.8W	+	X	X	-	+	X	X	-	-	-	-
44019		36.4N	75.2W	X	X	X	-	X	+	+	-	-	-	-
44025		40.3N	73.2W	X	X	X	-	X	X	X	-	-	-	-
44028*		41.4N	71.1W	X	X	X	-	X	X	X	-	-	-	-
45001*		48.0N	87.8W	X	X	X	-	X	X	X	-	-	-	-
45002*		45.3N	86.4W	X	X	X	-	X	X	X	-	-	-	-
45003*		45.3N	82.8W	X	X	X	-	X	X	X	-	-	-	-
45004*		47.5N	86.5W	X	X	X	-	X	X	X	-	-	-	-
45005*		41.7N	82.4W	X	X	X	-	X	X	X	-	-	-	-
45006*		47.3N	89.9W	X	X	X	-	X	X	X	-	-	-	-
45007*		42.7N	87.1W	X	X	X	-	X	X	X	-	-	-	-
45008*		44.3N	82.4W	X	X	X	-	X	X	X	-	-	-	-
46001*		56.3N	148.2W	X	+	X	-	X	X	X	-	-	-	-
46002*		42.5N	130.3W	X	X	X	-	X	X	X	-	-	-	-
46003*		51.9N	155.9W	+	+	X	-	+	+	+	-	-	-	-
46005*		46.1N	131.0W	X	X	X	-	X	X	X	-	-	-	-
46006*		40.9N	137.5W	X	X	X	-	X	X	X	-	-	-	-
46011		34.9N	120.9W	X	X	X	-	X	X	X	-	-	-	-
46013*		38.2N	123.3W	X	X	X	-	X	X	X	-	-	-	-
46014*		39.2N	124.0W	X	X	X	-	X	X	X	-	-	-	-
46022		40.8N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46023		34.3N	120.7W	X	X	X	-	X	X	X	-	-	-	-
46025		33.7N	119.1W	X	X	X	-	X	X	X	-	-	-	-
46026		37.7N	122.8W	X	X	X	-	X	X	X	-	-	-	-
46027		41.9N	124.4W	X	X	X	-	X	X	X	-	-	-	-
46028*		35.7N	121.9W	X	X	X	-	X	X	X	-	-	-	-
46029		46.2N	124.2W	+	+	+	-	+	+	+	-	-	-	-
46030		40.4N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46035		57.0N	177.7W	X	X	X	-	X	X	X	-	-	-	-
46041		47.4N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46042		36.8N	122.4W	X	X	X	-	X	X	X	-	-	-	-
46045		33.8N	118.4W	X	X	X	-	X	X	X	-	-	-	-
46050		44.6N	124.5W	+	X	X	-	+	X	X	-	-	-	-
46053		34.2N	119.8W	X	X	X	-	X	X	X	-	-	-	-
46054		34.3N	120.4W	X	X	X	-	X	X	X	-	-	-	-
46059		38.0N	130.0W	X	X	X	-	X	X	X	-	-	-	-
51001*		23.4N	162.3W	X	X	X	-	X	X	X	-	-	-	-

\* Sensor/system failure

\* Base funded station of National Weather Service (NWS); however, all stations report data to NWS

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**4. Automatic marine stations / 4.3 United States of America (continued)**

WMO buoy Identifier	ARGOS Identifier	Position: 9 - 16 Feb. 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
51002		17.2N	157.8W	X	X	X	-	X	X	X	-	-	-	-
51003*		19.1N	160.8W	X	X	X	-	X	X	X	-	-	-	-
51004*		17.4N	152.5W	X	+	X	-	X	X	X	-	-	-	-
51026		21.4N	156.9W	X	X	X	-	X	X	X	-	-	-	-
51027		20.4N	157.1W	X	X	X	-	X	X	X	-	-	-	-

Total base funded buoys:	=	29
Total other buoys:	=	41
<b>TOTAL moored buoys:</b>		<b>70</b>

#### 4.3.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 15/16 Feb. 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
16811	17180	35°S	079°E	.	X	X	-	X	.	.	.	-	-	-
17810	17182	40°S	003°E	.	X	X	-	X	.	.	.	-	-	-
17818	17175	37°S	038°E	.	X	X	-	+	.	.	.	-	-	-
17819	17174	43°S	115°E	.	+	X	-	X	.	.	.	-	-	-
17820	17173	50°S	089°E	.	+	X	-	+	.	.	.	-	-	-
17821	17176	39°S	061°E	.	+	X	-	X	.	.	.	-	-	-
17822	17184	40°S	028°E	.	X	X	-	X	.	.	.	-	-	-
32811	17170	21°S	083°W	.	+	X	-	X	.	.	.	-	-	-
32812	17171	27°S	123°W	.	X	X	-	X	.	.	.	-	-	-
32813	17172	28°S	094°W	.	+	X	-	X	.	.	.	-	-	-
32814	17161	27°S	094°W	.	+	X	-	X	.	.	.	-	-	-
33838	17163	26°S	004°W	.	+	X	-	X	.	.	.	-	-	-
33839	17164	29°S	001°E	.	+	X	-	X	.	.	.	-	-	-
33840	17165	37°S	048°E	.	+	X	-	+	.	.	.	-	-	-
33841	17166	27°S	000°E	.	+	X	-	X	.	.	.	-	-	-
33843	20714	51°S	021°W	.	X	X	-	X	.	.	.	-	-	-
46551	20705	44°N	163°W	+	X	X	-	X	.	.	.	-	-	-
46552	20706	38°N	165°W	+	X	X	-	X	.	.	.	-	-	-

\* Base funded station of National Weather Service (NWS); however, all stations report data to NWS  
+ Sensor/system failure

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**4. Automatic marine stations / 4.3 United States of America (continued)**

WMO buoy Identifier	ARGOS Identifier	Position: 15/16 Feb. 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46553	20710	49°N	163°W	X	X	X	-	X	.	.	.	-	-	-
46554	20712	35°N	162°W	X	X	X	-	X	.	.	.	-	-	-
46555	20707	45°N	169°W	X	X	X	-	X	.	.	.	-	-	-
46556	20711	49°N	171°W	X	X	X	-	X	.	.	.	-	-	-
46557	20709	34°N	175°W	X	+	X	-	X	.	.	.	-	-	-
46558	20708	41°N	172°W	X	X	X	-	X	.	.	.	-	-	-
53825	20715	10°S	121°E	.	+	X	-	+	.	.	.	-	-	-
54807	20718	53°S	101°W	.	X	X	-	X	.	.	.	-	-	-
54808	20722	56°S	096°W	.	X	X	-	X	.	.	.	-	-	-
54809	20719	35°S	172°W	.	X	X	-	X	.	.	.	-	-	-
54810	17181	30°S	168°W	.	X	X	-	X	.	.	.	-	-	-
54811	20713	46°S	149°W	.	X	X	-	X	.	.	.	-	-	-
54812	17178	50°S	120°W	.	X	X	-	X	.	.	.	-	-	-
54813	20717	46°S	156°W	.	X	X		X	.	.	.	-	-	-
54844	17168	30°S	115°W	.	+	X		X	.	.	.	-	-	-
55801	20721	44°S	149°E	.	+	X		X	.	.	.	-	-	-
56804	1977	39°S	130°E	.	+	X		X	.	.	.	-	-	-
56806	1984	22°S	075°E	.	X	X		X	.	.	.	-	-	-
56807	20716	17°S	088°E	.	+	X		X	.	.	.	-	-	-
56808	20720	22°S	086°E	.	X	X		X	.	.	.	-	-	-
56809	17169	27°S	092°E	.	X	X		X	.	.	.	-	-	-
56810	17185	26°S	085°E	.	X	X		X	.	.	.	-	-	-

333 drifting buoys have been deployed in support of TOGA; 32 are operational

+ Sensor/system failure

**C. Information on the operational status of elements of the surface-based sub-system (continued)**

**4. Automatic marine stations / 4.4 France**

**4.4 France**

Data from drifting buoys are collected by the ARGOS system. They are distributed on the GTS in BUOY code from CLS/ARGOS in Toulouse (heading SSVX01 LFPW).

**4.4.1 Moored Buoys**

WMO buoy Identifier	ARGOS Identifier	Position: 22 January 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
41096	05833	16.5N	61.5W	-	-	-	-	X	X	.	-	-	-	-

**4.4.2 Drifting Buoys**

WMO buoy Identifier	ARGOS Identifier	Position: 22 January 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
62510	14417	49.3N	10.9W	-	-	X	X	X	-	-	-	-	-	-
62511	14423	44.6N	14.5W	-	-	X	X	X	-	-	-	-	-	-
62512	14424	45.8N	11.7W	-	-	X	X	X	-	-	-	-	-	-
62513	14425	49.2N	22.1W	-	-	+	X	X	-	-	-	-	-	-

**4.6 United Kingdom of Great Britain and Northern Ireland**

List of moored and drifting data buoys operated by the:

Operational Instrumentation Branch,  
 Meteorological Office,  
 Beaufort Park,  
 Easthampstead,  
 WOKINGHAM  
 Berkshire RG11 3DN,  
 United Kingdom.

**4.6.1 Moored Buoys (including light vessels, islands and fixed platforms)**

WMO buoy Identifier	ARGOS Identifier	Position: 15 February 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
03007*		60°35'N	01°16'W	X	X	-	-	-	-	-	X	-	X	-
03010*		59°05'N	04°24'W	X	X	X	X	-	-	-	X	-	X	-
03011*		59°10'N	05°50'W	X	X	X	X	-	-	-	X	-	X	-
03014*		60°07'N	02°04'W	X	X	X	X	-	-	-	X	-	X	-

\* Sensor/system failure  
 • Fixed platforms or islands



**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**4. Automatic marine stations / 4.6 United Kingdom of Great Britain and Northern Ireland (continued)**

WMO buoy Identifier	ARGOS Identifier	Position: 15 February 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
03695*		51°40'N	01°06'E	X	X	X	X	-	-	-	X	-	X	-
62026		55°03'N	02°03'E	-	X	X	X	X	-	-	-	-	-	-
62029		48°43'N	12°25'W	X	X	X	X	X	X	-	X	-	X	-
62081		51°00'N	13°20'W	-	X	X	X	X	X	-	-	-	X	-
62101		50°37'N	02°44'W	-	-	-	-	-	-	-	-	-	-	-
62103**		49°55'N	02°53'W	X	X	X	X	X	X	-	X	-	X	X
62105		55°59'N	14°11'W	X	X	X	X	X	X	-	X	-	X	-
62106		56°59'N	09°53'W	X	X	X	X	X	X	-	X	-	X	-
62107**		50°04'N	06°04'W	X	X	X	X	X	X	-	X	-	X	X
62108		53°12'N	15°04'W	X	X	X	X	X	X	-	-	-	X	-
62112*		58°42'N	01°17'E	X	X	X	X	-	-	-	X	-	X	-
62118*		57°45'N	00°55'E	X	X	X	X	-	-	-	X	-	X	-
62124*		54°35'N	01°26'E	X	X	X	X	-	-	-	X	-	X	-
62126*		58°51'N	03°35'W	X	X	X	X	-	-	-	X	-	X	-
62129*		53°03'N	02°14'E	X	X	X	X	-	-	X	X	-	X	-
62301		52°10'N	05°05'W	-	-	-	-	-	-	-	-	-	-	-
62302		52°10'N	05°05'W	-	-	-	-	-	-	-	-	-	-	-
62303		51°50'N	04°90'W	X	X	X	X	X	X	-	X	-	X	-
62304**		51°00'N	01°47'E	X	X	X	X	X	X	-	X	-	X	X
62305**		50°25'N	00°00'W	X	X	X	X	X	X	-	X	-	X	X
63103*		61°14'N	01°09'E	X	X	X	X	-	-	-	X	-	X	-
63111*		59°33'N	01°32'E	X	X	X	X	-	-	X	X	-	X	-

**4.6.2 Drifting Buoys**

WMO buoy Identifier	ARGOS Identifier	Position: 15 February 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
25013	4065***	82.8N	127.6E	-	X	X	-	-	-	-	-	-	-	-
25565	1639***	73.6N	15.4W	-	X	X	-	-	-	-	-	-	-	-
44614	6294	54.4N	15.9W	-	X	X	X	X	-	-	-	-	-	-
44617	6299	54.4N	11.6W	X	X	X	X	X	-	-	-	-	-	-

\* Fixed platforms or islands  
 \*\* Automatic Light Vessels  
 \*\*\* Ice Drifter

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**4. Automatic marine stations / 4.6 United Kingdom of Great Britain and Northern Ireland (continued)**

WMO buoy Identifier	ARGOS Identifier	Position: 15 February 1995		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
44624	6292	51.9N	30.6W	-	X	X	X	X	-	-	-	-	-	-
44762	6307	53.2N	19.0W	X	X	X	X	X	-	-	-	-	-	-
44764	6306	61.0N	27.0W	X	X	X	X	X	-	-	-	-	-	-
44726	6296	53.4N	34.1W	-	X	X	X	X	-	-	-	-	-	-
44771	6290	67.5N	12.1W	-	-	X	X	X	-	-	-	-	-	-
44772	2960	67.9N	6.3W	-	-	-	-	X	-	-	-	-	-	-
44775	6293	56.1N	16.5W	-	X	X	X	X	-	-	-	-	-	-
44776	6305	60.2N	21.1W	X	X	X	X	X	-	-	-	-	-	-
44780	1250	55.6N	22.3W	-	X	X	X	X	-	-	-	-	-	-
62524	4625	25.4N	38.8W	-	X	X	X	X	-	-	-	-	-	-
62696	6288	71.5N	27.1E	-	-	X	X	X	-	-	-	-	-	-

## 5. ARGOS SERVICE

### 5.1 ARGOS monthly status report (January 1995)

Date of statistics computation : 1 February 1995

**•Reports handled by ARGOS Service (list of monthly collected ARGOS platforms sorted by type of platform)**

Drifting Buoys	:	943
Marine Stations	:	7
Moored Buoys	:	299
Fixed Stations	:	416
Terrestrial Animals	:	71
Marine Animals	:	94
Birds	:	39
Balloons	:	15
TOTAL		: 1884

**•Reports for insertion into the GTS (list of monthly collected GTS platforms on every GTS site sorted by type of platform)**

**Transmission to RTH Paris:**

Drifting Buoys	:	101
Fixed Stations	:	8
Marine Station	:	1
Moored Buoy	:	1
Synoptic PTT	:	1

**C. Information on the operational status of elements of the surface-based sub-system (continued)**  
**5. Argos Service / 5.1 Argos monthly status report (continued)**

**Transmission to NWS Washington:**

Drifting Buoys	:	448
Fixed Stations	:	8
High Speed	:	-
Moored Buoys	:	61

**•GTS coding statistics of platforms reporting through ARGOS  
and distributed over the GTS**

BATHY =	342
BUOY =	122817
SYNOP =	3072
<b>TOTAL:</b>	<b>126231</b>

**8. FEED-BACK FROM MEMBERS TO THE SECRETARIAT ON ANY CHANGES IN THE OBSERVING NETWORK**

In view of the difficulties experienced 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, a special table accompanied by explanatory notes (see Appendix I) is attached, 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.

Members are urged to fill in the special table as and when appropriate, and to return it to the Secretariat **before the 20th of each month** to enable changes to be included in the next "OPERATIONAL NEWSLETTER".





## Explanatory Notes

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 (for Volume A and the Catalogue of meteorological Bulletins), and particularly for stations included in the Regional Basic Synoptic Networks (RBSN).

2. For entries in these tables, the following should be taken into account:

**Column A:** The index number (IIiii) and name of each station should be entered in case of any changes in the observing programmes of the stations;

**Column B:** The Latitude and the Longitude in degrees and minutes with the appropriate letters (N, S, E and W) should be indicated;

**Column C:** The TTAAii CCCC of the abbreviated heading of the meteorological bulletins which contains reports from the station should be inserted;

**Column D:** "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, these should be marked in red;

**Column E:** HP= the elevation of the station in metres (the datum level to which barometric pressure reports at the station refer);  
 H = the elevation of the ground, in metres, (average level of terrain in immediate vicinity of station), is given for stations not located on aerodromes;  
 HA = the official altitude of the aerodrome is given for stations located on aerodromes and is indicated by the letter "A" in the column "Other observations and Remarks" of Volume A;

**Column F:** For those stations not indicating pressure reduced to mean sea level (group 4PPPP) in their synoptic reports, the entry in this column shows which information is reported in lieu of group 4PPPP:

STATION	Pressure at station level reported using group 3P <sub>o</sub> P <sub>o</sub> P <sub>o</sub> P <sub>o</sub>
1000 hPa	geopotential of the given standard isobaric surface reported using group 4a <sub>3</sub> h <sub>h</sub> h
850 hPa	
700 hPa	
500 hPa	

**Column G:** Reasons for 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, and also possible alternate observing stations, as appropriate.

3. These tables should be sent to the Secretariat **before the 20th of the month** for inclusion in the "OPERATIONAL NEWSLETTER", as appropriate.

# 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)

##### 1.1 New bulletins

• Antarctic operated by Italy

Abbreviated Heading	Time Group (GG)	Content of Bulletin
SMAA01 LIIB	00, 06, 12, 18	89661 89662 89666
SIAA20 LIIB	03, 09, 15, 21	89661 89662 89666
USAA01 LIIB	00, 12	89662
UKAA01 LIIB	00, 12	89662
ULAA01 LIIB	00, 12	89662
UEAA01 LIIB	00, 12	89662

##### 1.3 Changes to bulletins

• Notification from Germany that effective 31 March 1995

- (a) The content of the meteorological bulletins SMDL01 EDZW and SIDL21 EDZW will be changed as follows:

Abbreviated Heading	Time Group (GG)	Content of Bulletin
SMDL01 EDZW	00, 06, 12, 18	10004 10015 10020 10035 10063 10147
SIDL21 EDZW	03, 09, 15, 21	10162 10184 10224 10270 10338 10361 10393 10400 10438 10469 10488 10506 10548 10637 10685 10738 10763 10788 10852

- (b) The abbreviated headings of the following meteorological bulletins will be changed as follows:

Old abbreviated headings	New abbreviated headings
SM/SIDL22 EDZW	SM/SIDL42 EDZW
SM/SIDL23 EDZW	SM/SIDL43 EDZW

<b>C. Information on the operation of the GTS (continued)</b>
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- (c) New meteorological bulletins for bilateral exchange will be added to Catalogue of Meteorological bulletins as follows:

SM/SI/SNDL44	EDZW
SM/SI/SNDL45	EDZW
SM/SI/SNDL46	EDZW
SM/SI/SNDL47	EDZW
SM/SI/SNDL48	EDZW
US/UK/UL/UEDL43	EDZW
UP/UG/UH/UQDL43	EDZW

The complete updated list of these meteorological bulletins will be published in the May 1995 Edition of Catalogue of Meteorological Bulletins.

## 2. TRANSMISSION SCHEDULES (PUBLICATION NO.9, VOLUME C, CHAPTER II)

### 2.3 Changes in schedules/technical specifications

#### •Notification from Malaysia

- V-ii Kuala Lumpur RTT broadcast effective 1.2.95 delete call sign 9MY 63 (18355 kHz) read 9 MY 58 (9143 kHz) F1B 5 kW.



## MARINE METEOROLOGICAL SERVICES (MMS) AND RELATED OCEANOGRAPHIC ACTIVITIES

### C. INFORMATION ON THE OPERATION OF MARINE METEOROLOGICAL SERVICES

#### 1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)

##### 1.3 Changes in schedules/technical specifications

- Notification from Hong Kong

Page D-Ai-II-7-3

Replace Cape D'Aguilar to read Hong Kong Radio effective 1.1.1995  
Groups A,B,D effective 1.1.1995 change and replace to read

VRX 2	0000-2400	435	kHz	A1A	2	kW
VRX 8	1000-2100	4232.5	kHz		3.5	kW
VRX 32	0000-2400	8619	kHz		3.5	kW
VRX 62	0000-1500	13031	kHz		3.5	kW
VRX 82	0000-1300 & 2100-2400	17192	kHz		3.5	kW

Page D-Ai-II-7-4

Groups A,B,D effective 1.1.1995 change and replace to read

VRX 2	0718	435	kHz	A1A	2	kW
VRX 32		8619	kHz		3.5	kW
VRX 62		13031	kHz		3.5	kW
VRX 82		17192	kHz		3.5	kW
VRX 2	0118, 1318	435	kHz	A1A	2	kW
VRX 8	1318	4232.5	kHz		3.5	kW
VRX 32	0118, 1318	8619	kHz		3.5	kW
VRX 62	0118, 1318	13031	kHz		3.5	kW
VRX 82	0118	17192	kHz		3.5	kW

- Notification from Germany

Ai-VI Offenbach (Main)/Pinneberg (DDH47/DDH9/DDH8) effective 1 February 1995 replace 0645 by 0650, 0710 by 0718, 0910 by 0900, 1245 by 1250, 1845 by 1850 and 1910 by 1918.

Read the contents at transmission times (UTC) as follows:

1718 (former 0710) : Weather report Baltic sea - Inference and development for Baltic Sea (Western and Southern Baltic, belts and Sound). Forecast valid for 12 hours and outlook valid for another 12 hours.

1750 : Inference and development for Baltic sea, see 0818.

1918 (Former 1910): Weather report Baltic sea, see 0718.

<b>C. Information on the operation of Marine Meteorology Services (Continued)</b>
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## 2. Marine meteorological services available for main ports (Publication No. 9, Volume D, Part C)

### • Notification from Hong Kong (1.I.1995)

Page D-C1-II-2

Change columns (3), (4) and (6) to read as follows:

(1)	(2)	(3)
Hong Kong	Port Meteorological Officer Royal Observatory Kowloon, Hong Kong	Telephone: 29263113 Fax: 27215034
(4)	Provision of forecasts/warnings by broadcast (including via NAVTEX and International SafetyNET Service under GMDSS) and telephone: daily weather map including weather reports and forecasts	
(6)	For forecasts and other weather information contact Central Forecasting Office, Royal Observatory, Hong Kong (Tel: 29268472)	

### • Notification from Ireland (20.I.1995)

Pages D-C1-VI-11 & 12

Change columns (4) and (6) to read as follows:

(1)	(2)	(3)
Cork	Meteorological Office Cork Airport Cork	Telephone: 021-965974
(4)	<p>Regular weather bulletins, gale warnings and heavy swell warnings as necessary for coastal areas on RTE 1 at 0755; 1253; 1824; 23.55 Local Time and rebroadcast by the coastal radio stations every 3 hours commencing 0103 Local Time (0403, 0703...etc.) Local Time</p> <p>Gale warnings are broadcast at the next news bulletin on RTE 1 and every 6 hours on the coastal radio stations commencing 0033 UTC</p> <p>Weather-Dial + an automatic telephone weather service Tel (1550-123-855) - is updated as necessary but at least 3 times daily and gives a 24 hour sea area forecast and as 24 hour outlook and includes all gale warnings and heavy swell warnings</p> <p>Other forecasts on request.</p>	
(6)	<p>For warnings, forecasts and other weather information contact:</p> <p>CAFO, Meteorological Service, Glasnevin Hill, Dublin 9</p> <p>Tel: 8424655, Fax: 8375780, Telex: 91444/33128</p>	

**C. Information on the operation of Marine Meteorology Services (continued)**

**• Notification from Ireland (20.1.1995) (cont.)**

Change columns (4), (5) and (6) to read as follows:

(1)	(2)	(3)
Dublin	Port Meteorological Officer Meteorological Service Glasnevin Hill Dublin 9	Telephone: 01-8424411
(4)	<p>Regular weather bulletins, gale warnings and heavy swell warnings as necessary for coastal areas on RTE 1 at 0755; 1253; 1824; 23.55 Local Time and rebroadcast by the coastal radio stations every 3 hours commencing 0103 Local Time (0403, 0703...etc.) Local Time</p> <p>Gale warnings are broadcast at the next news bulletin on RTE 1 and every 6 hours on the coastal radio stations commencing 0033 UTC</p> <p>Weather-Dial + an automatic telephone weather service Tel (1550-123-855) - is updated as necessary but at least 3 times daily and gives a 24 hour sea area forecast and as 24 hour outlook and includes all gale warnings and heavy swell warnings</p> <p>Other forecasts on request.</p>	
(5)	<p>Forecast warnings and other weather information on request from Dublin office. PMO's provide meteorological equipment and regularly check and recalibrate the barometers etc. for weather observations. Training also given to observers in the VOS.</p>	
(6)	<p>For warnings, forecasts and other weather information contact: CAFO, Meteorological Service, Glasnevin Hill, Dublin 9 Tel: 8424655, Fax: 8375780, Telex: 91444/33128</p>	

Change columns (4) and (6) to read as follows:

(1)	(2)	(3)
Rosslare	Meteorological Office Rosslare Harbour Co Wexford	Telephone: 053-33113
(4)	<p>Regular weather bulletins, gale warnings and heavy swell warnings as necessary for coastal areas on RTE 1 at 0755; 1253; 1824; 23.55 Local Time and rebroadcast by the coastal radio stations every 3 hours commencing 0103 Local Time (0403, 0703...etc.) Local Time</p> <p>Gale warnings are broadcast at the next news bulletin on RTE 1 and every 6 hours on the coastal radio stations commencing 0033 UTC</p> <p>Weather-Dial + an automatic telephone weather service Tel (1550-123-855) - is updated as necessary but at least 3 times daily and gives a 24 hour sea area forecast and as 24 hour outlook and includes all gale warnings and heavy swell warnings</p> <p>Other forecasts on request.</p>	
(6)	<p>For warnings, forecasts and other weather information contact: CAFO, Meteorological Service, Glasnevin Hill, Dublin 9 Tel: 8424655, Fax: 8375780, Telex: 91444/33128</p>	

<b>C. Information on the operation of Marine Meteorology Services (Continued)</b>
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### 5. Coastal radio stations (Publication No. 9, Volume D, Part B)

#### 5.3 Changes to existing stations

• Notification from Hong Kong, effective 1 February 1995

Please replace name of station "Cape d'Aguilar" by "Hong Kong Radio"

Page D-B-II-11. Please change call signs to read:

Old Call Sign
VPS
VPS 8
VPS 35
VPS 36
VPS 37
VPS 60
VPS 61
VPS 79
VPS 80
VPS 22

New Call Sign
VRX
VRX 8
VRX 35
VRX 36
VRX 37
VRX 60
VRX 61
VRX 81
VRX 80
VRX 99

Page D-B-II-12. Please change call signs to read:

Old Call Sign
VPS 28
VPS 38
VPS 39
VPS 63
VPS 82
VPS 83
VPS 97

New Call Sign
VRX 23
VRX 33
VRX 34
VRX 63
VRX 83
VRX 84
VRX 93

Page D-B-II-12. Please add:

4	5	6	7	8	9	10
VRX 64	F1B	12488.5	12488.5	12591	12591	2300-1400

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