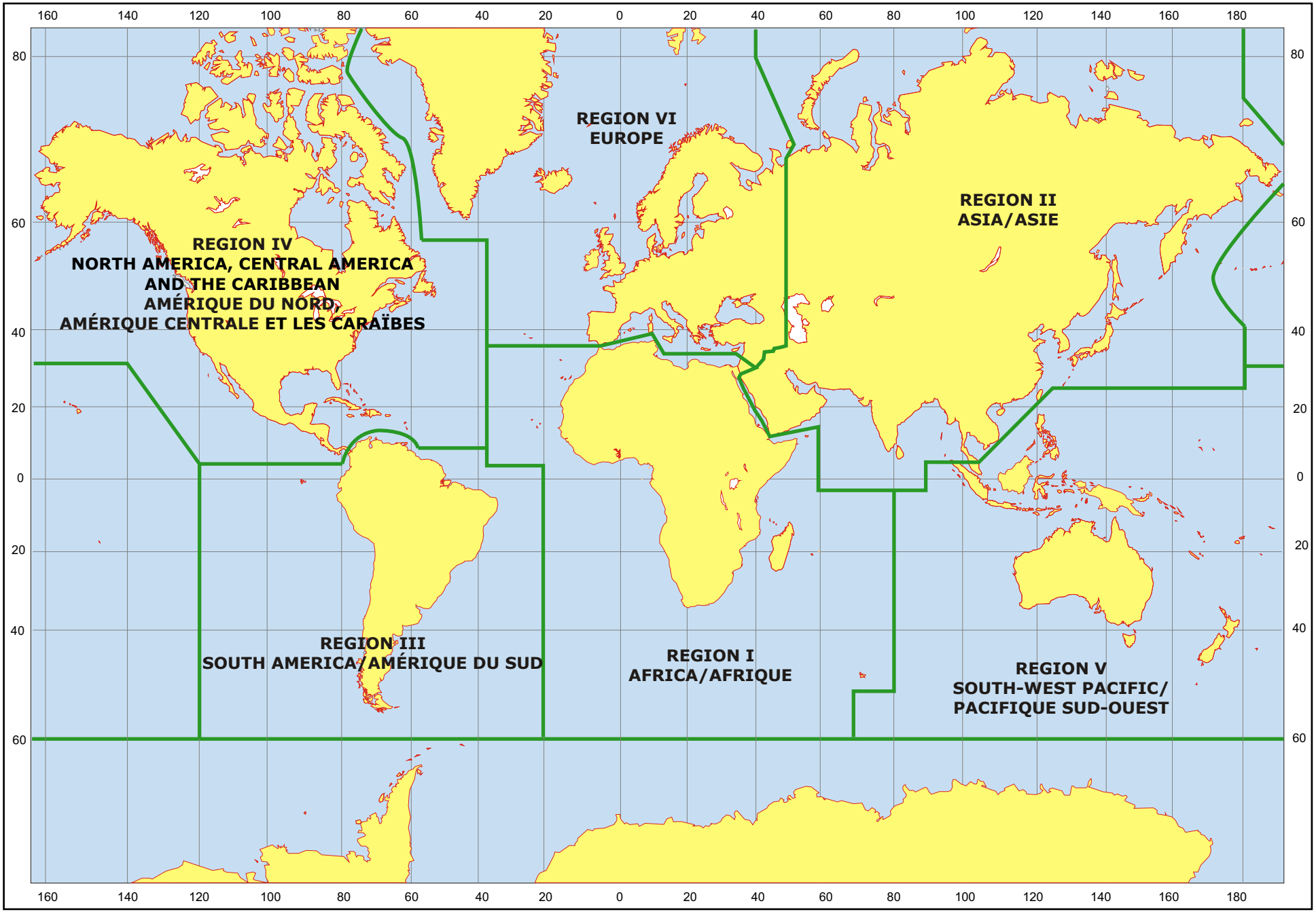
WMO/OMM No. 9
WEATHER REPORTING
MESSAGES MÉTÉOROLOGIQUES

VOLUME C2
TRANSMISSION PROGRAMMES
PROGRAMMES DE TRANSMISSION

WORLD MAP OF WMO REGIONS / CARTE MONDIALE DES RÉGIONS



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CHAPTER 1

DATA DISTRIBUTION SYSTEMS VIA SATELLITES
SYSTEMES DE DIFFUSION DES DONNEES PAR SATELLITE

Chapter 1- Satellite

This part contains details of satellites providing meteorological data. The following presentation has been adopted:

Explanation of the presentation:

REGION:	WMO Regions: I = Africa II – Asia III - South America IV - North America, Central America And The Caribbean V - South-West Pacific VI – Europe
NAME OF COUNTRY:	The schedules are arranged in English alphabetical order of countries, with the name of the country given at the top of the page.
Satellite Name:	The name of the satellite eg. GOES**9**, GOES**10**, GOES**11**
Operator:	The name of the operator eg. ISCS, METSAT, EUMETSAT, Météo-France, NOAA
Service:	The service used eg. RETIM 2000
Type:	Type of satellite eg. Geostationary or Polar orbiting
Technical Specification	Technical input eg. Modulation techniques; Data rate, band frequencies, channel bandwidth
Satellite Coverage Sector/Orbit type:	Area of coverage eg Indian Ocean (36°E-108°E)
Type of Broadcast:	WEFAX; PCVSAT (satellite-based multicast system); point-to-multipoint
Products/Services Available:	Image and data derived from polar and geostationary satellites (Meteosat, NOAA , GOES, MTSAT etc,) Meteorological charts in T4 (analyses and forecasts based on CEPMMT and French models) Observational data : SYNOP, CLIMAT, BUOY, TEMP, AMDAR etc exchanged over the GTS NWP outputs in GRIB code from CEPMMT models and Météo-France models Data and products for aviation (METAR, SPECI, TAF, TEMSI, SIGMET, AIRMET, VAA, VAG, WAFS products in GRIB code...) Processed products: (severe weather warnings etc) GRIB - CMA T213L3 products
Web Link:	http://www…..
Image showing coverage:	

Region: II **CHINA**

Satellite: AsiaSat 2 **Date:**

Operator: CMA

Service:

Type:

Technical Specification:

Data rate: 2Mbps
Modulation technique: QPSK
EIRP(saturation): 40dBW

Channel Bandwidth:
C-Band: 20 at 36 MHz, 4 at 72 MHz
Ku-Band: 9 at 54 MHz

Satellite Coverage Sector/Orbit type:

C-band beam Coverage: 53 countries and regions in Asia, the Middle East, Eastern Europe, CIS and Australasia.
Ku-band beam Coverage: Greater China Region, Japan and Korea

Type of Broadcast:

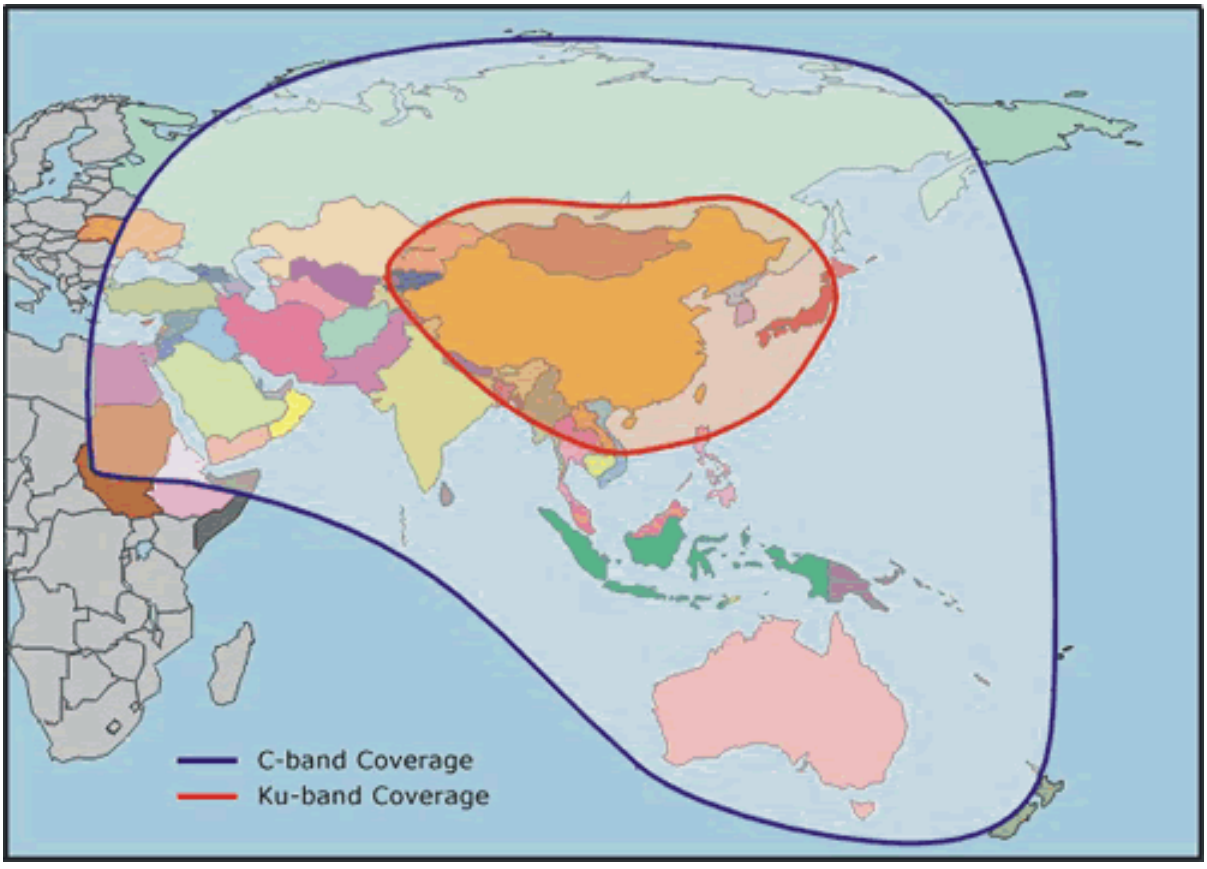
PCVSAT (satellite-based multicast system)

Products/Services Available:

BUFR code form: The cloud motion wind products derived from CMA's FY-2C satellite
GRIB code form: CMA HLAFS products
GRIB code form: CMA T213L3 products

Observational data: SYNOP, SHIP, BUOY, TEMP and PILOT bulletins exchanged over the GTS.

Web Link: http://www.nmic.gov.cn/rthbj/route



Region: IV/VI **EUROPE/USA**

Satellite: METOP **Date:** 02/11/2006

Operator: EUMETSAT/NOAA

Service:

Type: Polar orbiting: EUMETSAT Polar System (EPS)

Technical Specification:

Satellite Coverage Sector/Orbit type:

MetOp flies in a polar orbit corresponding to local 'morning' while the USA will be responsible for 'afternoon' coverage.

Type of Broadcast:

Products/Services Available:

ESSENTIAL METOP DATA AND PRODUCTS:

REAL-TIME METOP DATA (Direct Readout service):
- Advanced High Rate Picture Transmission (AHRPT) Data: this service includes all local raw data generated by all instruments on-board METOP, transmitted by METOP satellite in full resolution and in real-time.

- Low Rate Picture Transmission (LRPT) Data: LRPT includes a subset of the local raw data generated by the EUMETSAT and NOAA instruments of AMSU-A, MHS, HIRS, SEM AND AVHRR Low Rate, transmitted by a METOP satellite in real-time.

NEAR REAL-TIME GLOBAL AND REGIONAL PRODUCTS:
- Global and Regional Level 1 Products: include all global and regional level 1 MHS products, generated by the Core Ground Segment.
- Global and Regional Level 2 Products: generated by the Core Ground Segment and/or the EUMETSAT Satellite Application Facilities (SAFs) and distributed in near real-time.

DISSEMINATION THROUGH THE GTS:
- The Advanced SCATterometer (ASCAT) products (level 2).
- The Global Navigation Satellite System Receiver for Atmospheric Sounding (GRAS) products(level 2).
- A subset of the the Infrared Atmospheric Sounding Interferometer (IASI) global products (level 1).

Web Link: http://www.eumetsat.int

Region: VI **FRANCE**

Satellite: AB3 EutelSat (Atlantic Bird 3) **Date:** 26/10/2007

Operator: Météo-France

Service: RETIM 2000

Type:

Technical Specification:

RETIM Africa: broadcast in C-band frequencies via AB3

Satellite Coverage Sector/Orbit type:

RETIM Africa: broadcast in C-band frequencies via AB3 which covers Africa including Madagascar and the South East of the Indian Ocean.

Type of Broadcast:

RETIM 2000:
•Utilises the services of a satellite operator and telecommunication providers to distribute data and products using the DVB-S technology.
• It is a satellite-based point-to-multipoint (i.e. data-dissemination) component of the GTS/RMTN of Region VI (RETIM-Europe) and of Region I (RETIM-Africa), allowing the NMSs of these two Regions to receive data and products relayed from RTH Toulouse as well as products prepared by Météo-France and
•A multi-regional contribution of Météo-France to the Integrated Global Data Dissemination Service (IGDDS), in view of the significant volume of space-based data and products (from polar and geostationary meteorological satellites) that is disseminated.

Products/Services Available:

RETIM Africa

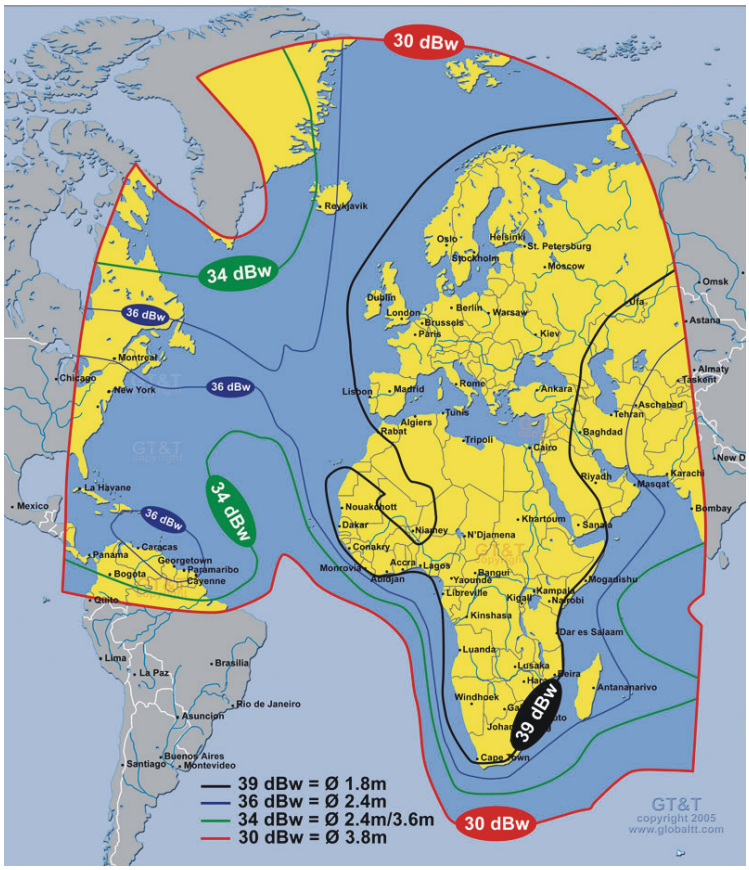
•Images and data over Africa and the Indian Ocean derived from Meteosat satellites.
•Meteorological charts in T4 (analyses)
•Observational data: SYNOP, CLIMAT, BUOY, TEMP, AIREP, AMDAR etc exchanged over the GTS
•Data and products for aviation (METAR, SPECI, TAF, TEMSI, SIGMET, AIRMET, VAA, VAG, WAFS products in GRIB code...)
•NWP products in GRIB code from CEPMMT and from Météo-France models
•Processed products : tsunami, tropical cyclone warnings, web pages etc

Data and products are grouped into classes of consistent products. A subscriber of RETIM2000 is defined by a receiver station and a list of products classes according to its operational requirements and to the data policies adopted by WMO, CEPMMT and EUMETSAT related to the exchange of meteorological and related data and products.

RETIM 2000 is also an important contribution of Météo-France to the routine dissemination service for time-critical and operation-critical data and products of the WMO Information Service (WIS), especially for supporting GISC functions.

Web Link:

Satellite: AB3 EutelSat (Atlantic Bird 3) **Date:** 26/10/2007



Satellite: W3 EutelSat **Date:** 26/10/2007

Operator: Météo-France

Service: RETIM 2000

Type:

Technical Specification:

RETIM Europe: broadcast in Ku-band frequencies via W3

Satellite Coverage Sector/Orbit type:

RETIM Europe: broadcast in Ku-band frequencies via W3 which covers Europe, the Middle East and North Africa

Type of Broadcast:

RETIM 2000:
•Utilises the services of a satellite operator and telecommunication providers to distribute data and products using the DVB-S technology.
• It is a satellite-based point-to-multipoint (i.e. data-dissemination) component of the GTS/RMTN of Region VI (RETIM-Europe) and of Region I (RETIM-Africa), allowing the NMSs of these two Regions to receive data and products relayed from RTH Toulouse as well as products prepared by Météo-France and
•A multi-regional contribution of Météo-France to the Integrated Global Data Dissemination Service (IGDDS), in view of the significant volume of space-based data and products (from polar and geostationary meteorological satellites) that is disseminated.

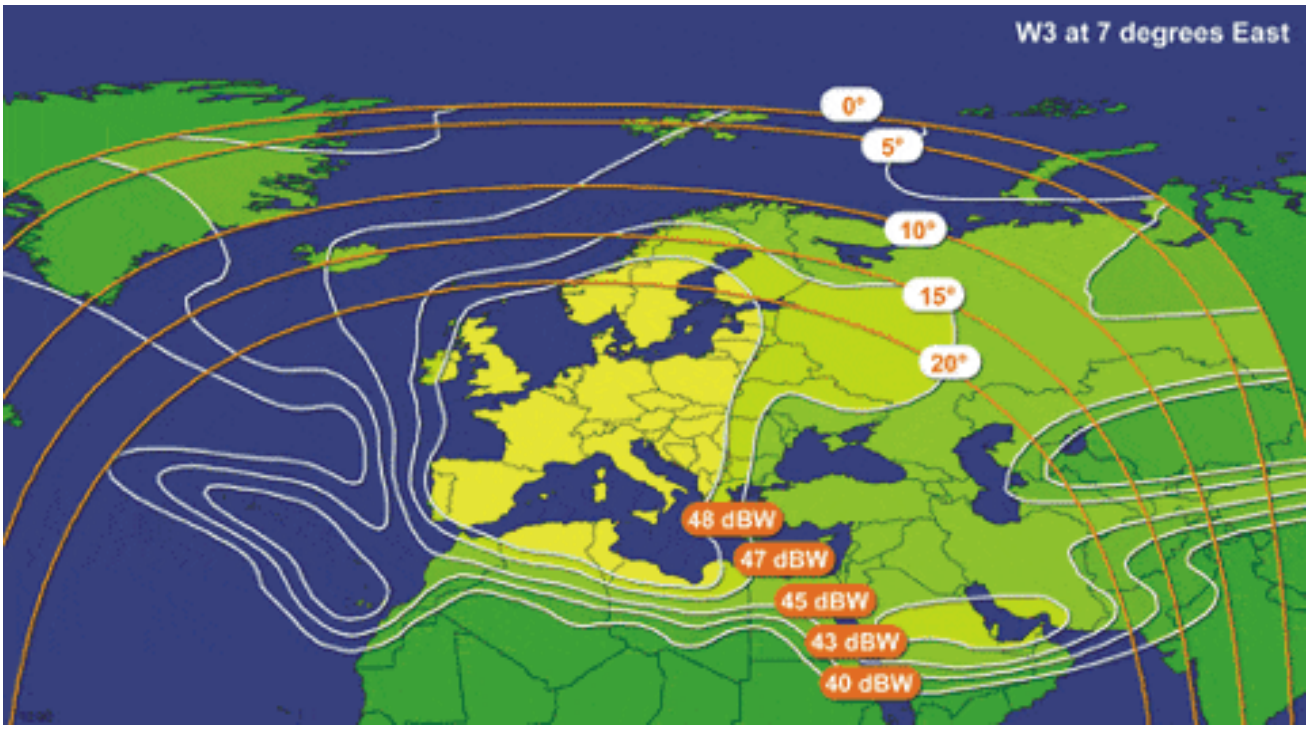
Products/Services Available:

RETIM Europe
•Image and data derived from polar and geostationary satellites (Meteosat, NOAA , GOES, MTSAT etc,)
•Meteorological charts in T4 (analyses and forecasts based on CEPMMT and French models)
•Observational data : SYNOP, CLIMAT, BUOY, TEMP, AMDAR etc exchanged over the GTS
•NWP outputs in GRIB code from CEPMMT models and Météo-France models
•Data and products for aviation (METAR, SPECI, TAF, TEMSI, SIGMET, AIRMET, VAA, VAG, WAFS products in GRIB code...)
•Processed products: (severe weather warnings etc)

Data and products are grouped into classes of consistent products. A subscriber of RETIM2000 is defined by a receiver station and a list of products classes according to its operational requirements and to the data policies adopted by WMO, CEPMMT and EUMETSAT related to the exchange of meteorological and related data and products.

RETIM 2000 is also an important contribution of Météo-France to the routine dissemination service for time-critical and operation-critical data and products of the WMO Information Service (WIS), especially for supporting GISC functions.

Web Link:


W3 at 7 degrees East
0°
5°
10°
15°
20°
48 dBW
47 dBW
45 dBW
43 dBW
40 dBW

Region: II **INDIA**

Satellite: INSAT 3-C **Date:**

Operator: INSAT

Service:

Type: Geostationary

Technical Specification:

Satellite Coverage Sector/Orbit type:

Indian Ocean (36°E-108°E)

Type of Broadcast:

Products/Services Available:

Used for dissemination of processed meteorological data in broadcast mode in S-Band only over India and neighbouring countries. No WEFAX

Web Link:

Satellite: INSAT-3A **Date:**

Operator: INSAT

Service:

Type: Geostationary

Technical Specification:

Satellite Coverage Sector/Orbit type:

Indian Ocean (36°E-108°E)

Type of Broadcast:

Products/Services Available:

VHRR - with 2 km resolution in the visible band and 8 km resolution in thermal infrared and water vapour bands.
CCD - operates in the visible and short wave infrared bands providing a spatial resolution of 1 km.
DRT - operating in UHF band is incorporated for realtime hydrometeorological data collection from unattended platforms located on land and river basins. The data is then relayed in extended C-band to a central location.
SAS & R
A 3-channel VHRR imager and CCD payload available for use similar to INSAT-2-E.

Web Link:

Satellite: Kalpana-1 (METSAT) **Date:**

Operator: METSAT

Service:

Type: Geostationary

Technical Specification:

Satellite Coverage Sector/Orbit type:

Indian Ocean (36°E-108°E)

Type of Broadcast:

Products/Services Available:

Dedicated meteorological satellite.
VHRR -scanning radiometer for three-band images - one in the visible, the second in the thermal infrared and the third in the water vapor infrared bands, each at a spatial resolution of 2-km x 2-km resolution, to obtain atmospheric cloud cover, water vapor and temperature.

DRT - to provide data from fixed/mobile ground level weather platforms.

Web Link:

Region: II **JAPAN**

Satellite: GMS-5 **Date:**

Operator: Tokyo (JMH)

Service:

Type:

Technical Specification:

Frequency: 1691.00MHz,
Modulation techniques: AM/PM, EIRP: 54.5dBm (Worst value at elevation angle 20deg).

Satellite Coverage Sector/Orbit type:

Western Pacific area

Type of Broadcast:

WEFAX

Products/Services Available:

- Water vapour four-sectorized picture of full disk image SE (N-hh*) 12-hourly
- Water vapour four-sectorized picture of full disk image SW (M-hh*) 12-hourly
- Water vapour four-sectorized picture of full disk image NE (L-hh*) 12-hourly
- Water vapour four-sectorized picture of full disk image NW (K-hh*) 12-hourly

- Infrared four-sectorized picture of full disk image SE (D-hh*) 3-hourly
- Infrared four-sectorized picture of full disk image SW (C-hh*) 3-hourly
- Infrared four-sectorized picture of full disk image NE (B-hh*) 3-hourly
- Infrared four-sectorized picture of full disk image NW (A-hh*) 3-hourly
- Enhanced infrared polar-stereographic picture Far East area including Japan (J-hh) Hourly
- Visible polar-stereographic picture Far East area including Japan (I-hh) Hourly
- Infrared polar-stereographic picture Far East area including Japan (H-hh) Hourly

(hh*: Observation time)

Web Link: http://mscweb.kishou.go.jp/

Region: IV **UNITED STATES OF AMERICA**

Satellite: EMWIN **Date:** 2006

Operator: EMWIN

Service:

Type:

Technical Specification:

Satellite Coverage Sector/Orbit type:

Type of Broadcast:

Products/Services Available:

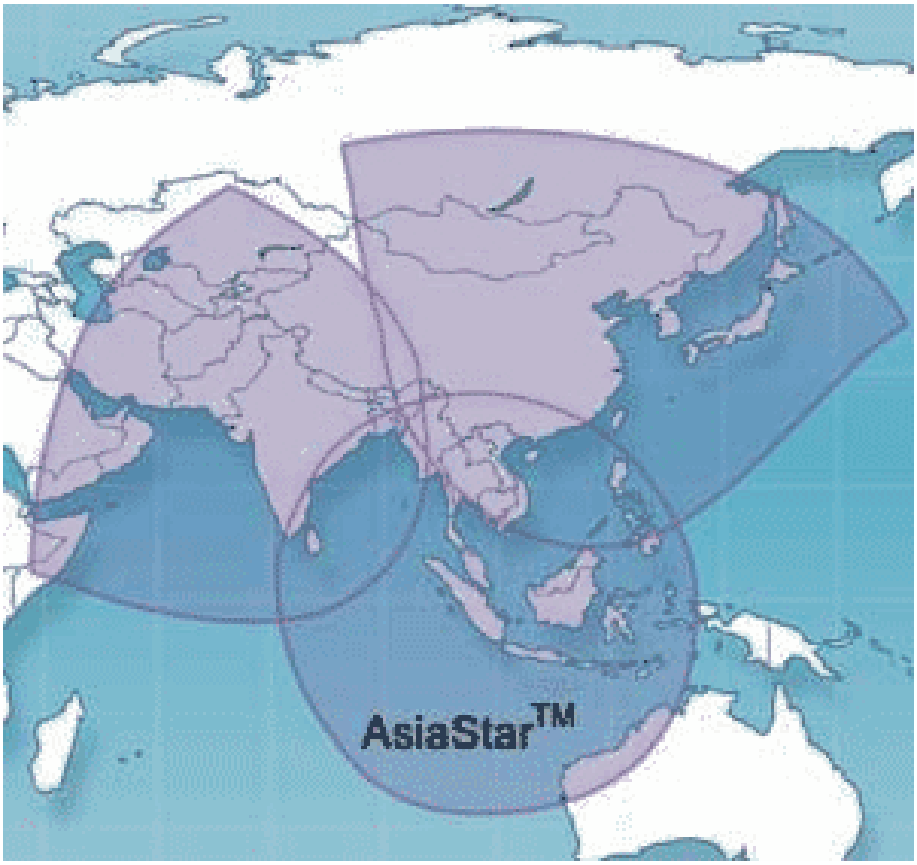
Broadcasts GOES-E and GOES-W satellites.
Data is uplinked to satellite from NOAA CDA Station on Wallops Island, VA. The EMWIN data stream is also currently uplinked to the Telstar 5 Satellite, located at 97°W. The EMWIN data stream is rebroadcast on University of Hawaii PEACESAT Satellite which is the decommissioned GOES-7 satellite provided by U.S. NOAA, NTIA, NASA Agreement. GOES-7 is maintained at it current longitude position of -175° West +/- 3° by National Aeronautics Space Administration (NASA) at the Kokee Park Geophysical Observatory (KPGO) along with PEACESAT Headquarters.

EMWIN is a suite of data access methods which make available a live stream of weather and other critical emergency information. Each method has unique advantages. EMWIN's present methods in use or under development for disseminating the basic datastream include:
The current EMWIN datastream contains all generally available public products from the NWS Telecommunications Gateway and:

- Analyses:Environmental/Air Pollution, Hydrological/Marine, Surface, Miscellaneous.
- Climatic Products: Daily Surface, Monthly Surface, Miscellaneous.
- Forecasts: Aviation Terminal, Aviation Area, Flash Flood Guidance, Headwater Guidance, Hydrological, Iceberg, Local/Area, Miscellaneous, Public, Recreation/Travelers, River, Shipping Area.
- Images: GOES satellite
- Reports: Surface (METAR), Radar, Seismic, Synoptic, Hydrological River, Drifting Buoy, Ice.
- Severe Weather: Warnings, Watches, Summaries, Statements, Advisories.
- Warnings: Severe Thunderstorm, Tornado, River Flood, Lakeshore/Marine, Typhoon/Hurricane, Marine/Coastal Flood, Tsunami/Tide.
- "Readable text" products
- Imagery: images that depict national radar, cloud cover and many other weather conditions.

Web Link:

Satellite: EMWIN **Date:** 2006



Satellite: GOES-11 **Date:** 2006

Operator: NOAA

Service:

Type: Geostationary

Technical Specification:

Satellite Coverage Sector/Orbit type:

East-Pacific (180°W-108°W)
Views almost a third of the Earth's surface: North America and the Pacific Ocean basin. Coverage extends approximately from 20 W longitude to 165 E longitude.

Type of Broadcast:

Products/Services Available:

SARSAT
CoastWatch Program and Products
Sea Surface Temperature Anomalies
Antarctic Ozone Hole (South Pole)
Arctic Ozone Hole (North Pole)
Daily Snow Cover Analysis

Web Link: Web Link for System: http://www.o

Satellite: GOES-12 **Date:** 2006

Operator: NOAA

Service:

Type: Geostationary

Technical Specification:

Satellite Coverage Sector/Orbit type:

West-Atlantic (108°W-36°W)

Views almost a third of the Earth's surface: monitors North and South America and most of the Atlantic Ocean. Coverage extends approximately from 20 W longitude to 165 E longitude.

Type of Broadcast:

Products/Services Available:

SARSAT
CoastWatch Program and Products
Sea Surface Temperature Anomalies
Antarctic Ozone Hole (South Pole)
Arctic Ozone Hole (North Pole)
Daily Snow Cover Analysis

Web Link: Web Link for System: http://www.

Satellite: INTELSAT 701 **Date:** 2006

Operator: ISCS

Service:

Type:

Technical Specification:

The ISCS satellite uplinks are located at two Verizon International Gateways -- in Andover, Maine, and Yacolt, Washington.

Satellite Coverage Sector/Orbit type:

Located over the POR

Type of Broadcast:

Products/Services Available:

The broadcasts provide data to over 80 countries (see Atlantic Ocean area countries, Pacific Ocean area countries, RMTN affiliated countries).

Web Link: AOR: http://www.weather.gov/iscs/i

Satellite: INTELSAT 903 **Date:** 2006

Operator: ISCS

Service:

Type:

Technical Specification:

The ISCS satellite uplinks are located at two Verizon International Gateways -- in Andover, Maine, and Yacolt, Washington.

C-Band frequencies:
Uplink: 5925 - 6425 MHz
Downlink: 3700 - 4200 MHz

Satellite Coverage Sector/Orbit type:

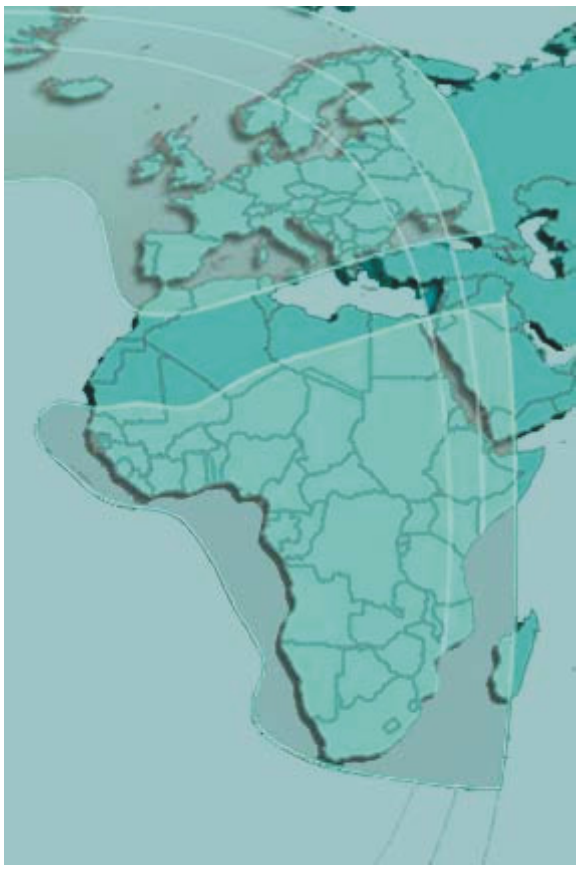
Located over the AOR

Type of Broadcast:

Products/Services Available:

The broadcasts provide data to over 80 countries (see Atlantic Ocean area countries, Pacific Ocean area countries, RMTN affiliated countries).

Web Link: AOR: http://www.weather.gov/iscs/i



Satellite: INTELSAT 906 **Date:** 2006

Operator: ISCS

Service:

Type:

Technical Specification:

The ISCS satellite uplinks are located at two Verizon International Gateways -- in Andover, Maine, and Yacolt, Washington.

Satellite Coverage Sector/Orbit type:

Located over the POR

Type of Broadcast:

Products/Services Available:

The broadcasts provide data to over 80 countries (see Atlantic Ocean area countries, Pacific Ocean area countries, RMTN affiliated countries).

Web Link: AOR: http://www.weather.gov/iscs/i

CHAPTER 2

RADIO BROADCAST OF ALPHANUMERIC INFORMATION
DIFFUSION DES INFORMATIONS ALPHANUMERIQUES PAR RADIO

Chapter 2- Alphanumeric Information

This part contains details of radio broadcasts of alphanumeric information. The following presentation has been adopted:

1 GENERAL

The headings of the transmission programmes start with the name of the country and the name of the transmitting centre. Further information contained in the headings of transmission programmes is presented in one of the different arrangements described in the following paragraphs.

2 ARRANGEMENT OF THE CONTENTS OF THE RTT BROADCASTS

The headings of the programmes of RTT broadcasts are completed by the following information:

Specific area(s) in which broadcasts are intended to be received:

Technical specifications:

I. TECHNICAL SPECIFICATIONS — CARACTÉRISTIQUES TECHNIQUES

(a)	(b)		(c)		(d)
Call sign Indicatif d'appel	Hours of operation Heures d'utilisation	Frequency Fréquence	Class of emission Catégorie d'émission	Band width Largeur de bande	Power supplied to the antenna Puissance fournie à l'antenne

Note: Column (b) indicates, when appropriate, the hours of operation of the various frequencies. Any seasonal variations are also shown.

2.1 Data transmission programmes

The information is presented in columns as shown below. To save space each line normally contains information relative to two bulletins. The reading sequence of the schedule is therefore line by line.

1		2	3	4
Abbreviated Heading En-tête abrégé		Time Group Groupe Horaire	Transmission time Heure de transmission	Details Contenu
TTAAii	CCCC	(GG)	(UTC)	

2.2 Abbreviated heading (column 1)

This column shows for each bulletin included in the programme the data type and geographical designators (TTAAii) and international four-letter location indicator (CCCC) of the centre originating or compiling the bulletin. Full details as regards abbreviated headings are given in paragraph 2.3.2 of Part II of Volume I of *WMO Publication No. 386 - Manual on the Global Telecommunication System*. The table of the international location indicators is given in the annex I to Volume C1.

2.3 Time group (GG) (column 2)

This column indicates the following:

(a) For bulletins containing meteorological reports intended for standard time of observations, the standard time of observation in UTC;

(b) For aerodrome, route and area (aeronautical) forecasts: the full hour in UTC preceding the transmission time; for other forecasts and analyses: standard time of observation in UTC on which the forecast or analysis is based;

(c) For other messages the time of compilation in UTC.

2.4 Transmission time (column 3)

This column gives each bulletin or group of bulletins, when applicable, the time at which the transmission begins, or the times of beginning and ending of the transmission if both have been specified. Bulletins or groups of bulletins are normally transmitted at several fixed times during the day. Therefore, to avoid repetition, transmission times are given, whenever possible, in the cyclic form HH, H+ ... minutes. The symbol HH denotes the main and intermediate standard times of observation, H the whole hours, S the half hours, which are specified in the cycle headings of the schedule (e.g. HH = 0000, 0600, 1200, 1800; H = 0000-2400). All the times published are indicated in Universal Time Coordinated (UTC). On several data distribution systems, bulletins are transmitted as soon as available, and transmission schedule cannot therefore be defined.

2.5 Transmission time (column 4)

This column specifies details of the contents.

Centre: Alger (AFMET VI)

Area in which the broadcast is received: Equator-45°N, 30°E-20°W

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
7XA96	-	3 243 kHz	F1B	50 bauds	10 kW
7XA97	-	6 980 kHz	F1B	50 bauds	10 kW
7XA98	-	11 595 kHz	F1B	50 bauds	10 kW
7XA99	-	21 940 kHz	F1B	50 bauds	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	(0800-0810)	CSAL01	DAMM(1)	
		CSMC01	GMMC(1)	
	(2000-2010)	CSTS01	DTTA(1)	
		CUAL01	DAMM(1)	
		CUMC01	GMMC(1)	
		HH=00,12		
HH	HH+00-10	FTAL40	DAMM	
		FTMC31	GMMC	
		FTTS40	DTAA	
1800/0600	HH+10-20	FUAF40	DAMM	
1800	HH+115-120	FUAF41	DAMM	
	HH+120-140	UAAL01	DAMM	
		UATS02	DTTA	
HH	HH+120-140	SMVA03	DAAM	
		SMVA03	GMMC	
		UEAL01	GMMC	
		UEAL02	DAMM	
		UEFR01	LFPW	
		UELY01	HLLT	
		UETS01	DTTA	
		UKAL01	DAMM	
		UKAL02	DAMM	
		UKFR01	LFPW	
		UKLY01	HLLT	
		UKMC01	GMMC	
		UKTS01	DTTA	
		ULAL01	DAMM	
		ULAL02	DAMM	
		ULFR01	LFPW	
		ULLY01	HLLT	
		ULTS01	DTTA	
		USAL01	DAMM	
		USAL02	DAMM	
		USFR01	LFPW	
		USLY01	HLLT	
		USMC01	GMMC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		USTC01	DTTA	
HH	HH+150-165	SMGI01	EGRR	
		SMML01	LEMM	
		SMSP01	LEMM	
		SMSP02	LEMM	
1200	HH+165-180	UPCD01	FTTJ	
		USCE01	FEFF	
		USMT01	GQNN	
		USMT01	GQNN	
		USSG01	GOOY	
HH	HH+165-180	UEIY01	LIIB	
		UKIY01	LIIB	
		UlIY01	LIIB	
		UPBJ01	DBBB	
		UPCE01	FEFF	
		UPCM01	FKKD	
		UPHV01	DHHH	
		UPIV01	DIAP	
		UPMI01	GABS	
		UPMTO1	GQNN	
		UPNR01	DRRN	
		UPSG01	GOOY	
		UPTG01	DXXX	
		USCM01	FKKD	
		USGI01	EGRR	
		USIV01		
		USIY01	LIIB	
		USMI01	GABS	
		USNR01	DRRN	
		USSP01	LEMM	
HH	HH+20-50	SMAL01	DAMM	
		SMAL20	DAMM	
		SMFR01	LFPW	
		SMIY01	LIIB	
		SMIY20	LIIB	
		SMLY01	HLLT	
		SMMC01	GMMC	
		SMMC02	GMMC	
		SMMC23	GMMC	
		SMTS01	DTAA	
		SMTS20	DTAA	
HH	HH+50-60	SMVA01	DAMM	
		SMVA01	GMMC	
		SMVA01	DTAA	
HH	HH+60-90	UAAL01	DAMM	
		UAMC01	GMMC	
		UATS01	DTTA	
		UGAL20	DAMM	
		UGAL21	DAMM	
		UGMS20	GMMC	
		UGTS20	DTAA	
		UPAL01	DAMM	
		UPAL02	DAMM	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		UPMC01	GMMC	
		UPTS01	DTAA	
		UQAL20	DAMM	
HH	HH+90-115	SMBJ01	DBBB	
		SMBJ01	DBBB	
		SMCD01	FTTJ	
		SMCG01	FCBB	
		SMCM01	FKKD	
		SMCR01	GCLP	
		SMCR01	GCLP	
		SMCV01	GVAC	
		SMCV01	GVAC	
		SMGB01	GBYD	
		SMGH01	DGAA	
		SMIV01	DIAP	
		SMLI01	GLRB	
		SMMI01	GABS	
		SMMI01	GABS	
		SMMT01	GQNN	
		SMNR01	DRRN	
		SMNR01	DRRN	
		SMSG01	GOOY	
		SMSL01	GFLL	
		SMTG01	DXXX	
		SMTG01	DXXX	
		SMVA01	DAMM	
		SMVA02	GMMC	
		SMVA02	DTTA	
		SMVH01	DHHH	
		SMZR01	FZAA	
		HH=03,09,15,21		
HH-180	HH+115-140	ASAF40	DAMM	
		FUAF41	DAMM	
		FXAF40	DAMM	
HH	HH+140-180	SIVA22	DAMM	
		UAAL02	DAMM	
		UATS02	DTTA	
HH	HH+20-50	SIAL20	DAMM	
		SIAL21	DAMM	
		SIAL22	DAMM	
		SIFR21	LFPW	
		SIIY20	LIIB	
		SIIY21	LIIB	
		SILY20	HLLT	
		SIMC21	GMMC	
		SIMC22	GMMC	
		SIMC23	GMMC	
		SITS20	DTTA	
HH	HH+50-60	SATS40	DTTA	
		SIVA20	DAMM	
		SIVA20	DTTA	
		SIVA21	GMMC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
		UAAL01	DAMM	
HH	HH+60-115	SIBJ20	DBBB	
		SICD20	FTTJ	
		SICG20	FCBB	
		SICM20	FKKD	
		SICR20	GCLP	
		SICV20	GVAC	
		SIGB20	GBYD	
		SIGH20	DGAA	
		SIHV20	DHHH	
		SILI20	GLRB20	
		SIMI20	GABS	
		SIML20	LMMM	
		SIMT20	GQNN	
		SINR20	DRRN	
		SISG20	GOOY	
		SISL20	GFLL	
		SISP20	LEMM	
		SIVA21	DAMM	
		SIVA21	DTTA	
		SIVA22	GMMC	
		SIZR20	FZAA	
		SOGO21	EGRR	
		SOOV20	DIAP	
		SOTG20	DXXX	
		HH=06,18		
HH	HH+00-10	FTAL40	DAMM	
		FTMC31	GMMC	
		FTTS40	DTTA	
0000	HH+115-120	FUAF41	DAMM	
HH	HH+130-140	SMGI01	LMMM	
		SMGI01	EGRR	
		SMML01	LMMM	
		SMSP01	LEMM	
		SMSP02	LEMM	
HH	HH+140-160	SMVA03	GMMC	
		SMVA03	DAMM	
		UAAL01	DAMM	
HH	HH+160-180	UPBJ01	DBBB	
		UPCD01	FTTJ	
		UPCE01	FEFF	
		UPCM01	FKKD	
		UPHV01	DHHH	
		UPIV01	DIAP	
		UPMI01	GABS	
		UPMT01	GQNN	
		UPNR01	DRRN	
		UPSG01	GOOY	
		UPTG01	DXXX	
HH	HH+20-50	SMAL01	DAMM	
		SMAL20	DAMM	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=06,18		
		SMFR01	LFPW	
		SMIY01	LIIB	
		SMIY20	LIIB	
		SMLY01	HLLT	
		SMMC01	GMMC	
		SMMC02	GMMC	
		SMMC23	GMMC	
		SMTS01	DTTA	
		SMTS20	DTTA	
HH	HH+50-60	SMVA01	DAMM	
		SMVA01	GMMC	
		SMVA01	DTTA	
HH	HH+60-90	UAAL01	DAMM	
		UAMC01	GMMC	
		UATS01	DTTA	
		UGAL20	DAMM	
		UGAL21	DAMM	
		UGIY20	LIIB	
		UGMC20	GMMC	
		UGTS20	DTTA	
		UHAL01	DAMM	
		UPAL01	DAMM	
		UPAL02	DAMM	
		UPIY01	LIIB	
		UPTS01	DTTA	
		UQAL20	DAMM	
HH	HH+90-115	SMBJ01	DBBB	
		SMCD01	FTTJ	
		SMCG01	FCBB	
		SMCM01	FKKD	
		SMCR01	GCLP	
		SMCV01	GVAC	
		SMGB01	GBYD	
		SMGH01	DGAA	
		SMHV01	DHHH	
		SMIV01	DIAP	
		SMLI01	GLRB	
		SMMI01	GABS	
		SMMT01	GQNN	
		SMNR01	DRRN	
		SMSG01	GOOY	
		SMSL01	GFLL	
		SMTG01	DXXX	
		SMVA02	DAMM	
		SMVA02	GMMC	
		SMVA02	DTTA	
		SMZR01	FZAA	

(1) On the 5th and 6th of each month, on the 6th and 7th if the 5th is a Sunday.

Centre: Luanda

Area in which the broadcast is received: Pretoria, Nairobi, Brazzaville, Kinshasa and the whole African continent

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
XXB 60*	-	17 400 kHz	A1A	-	3 kW
XXV 57*	-	6 861 kHz	A1A	-	3 kW
XXV 58*	-	9 364 kHz	A1A	-	3 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	1210	CSAN01	FNLU(1)	
		HH=00,06,12		
HH	HH+10	SMAN21	FNLU	
		UAAN01	FNLU	
		UPAN01	FNLU	
		HH=00,06,12,18		
0000,1200	HH+10	USAN01	FNLU	
HH	HH+10	SMAN01	FNLU	
		SMVA01	FNLU	
		HH=03,09,15,21		
HH	HH+10	SIAN20	FNLU	
		UAAN01	FNLU	

*Temporarily out of order / Temporairement hors service
(1) 4th of each month, on the 5th if the 4th is a Sundy or a public holiday.

Centre: Brazzaville (Maya-Maya) (AFMET VII)

Area in which the broadcast is received: Region I

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
TNL 96	1800-0600	3 847 kHz	F1B	50 bauds	1.5 kW
TNL 97	0000-2400	10 137 kHz	F1B	50 bauds	1.5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSAM01	FCBB	
		CSAM20	FCBB	
		CSAM21	FCBB	
		CUAM01	FCBB	
		CUAM20	FCBB	
	1210	CUAN01	FNLU(1)	
		SMCG01	FCBB(1)	
		HH=00,06,12,18		
00,12	HH+40	UEAN01	FNLU	
		UEZR01	FZAA	
		UGTP20	FPST	
		UKAN01	FNLU	
		UKZR01	FEFF	
		ULAN01	FZAA	
		ULZR01	FZAA	
		UPTP01	FPST	
		USAN01	FCBB	
		USZR01	FZAA	
06,12	HH+40	SMZR20	FZAA	
06,12,18	HH+40	SMCG20	FCBB	
12	HH+40	UAAN01	FNLU	
		UECE01	FEFF	
		UGAN20	FNLU	
		UGZR20	FZAA	
		UHCG01	FCBB	
		UHGO01	FOOL	
		UKCE01	FEFF	
		ULCE01	FNLU	
		UPAN01	FNLU	
		UPZR01	FZAA	
		UQGO20	FOOL	
1200	HH+40	USCE01	FCBB	
HH	HH+40	FTCE20	FEFF	
		FTCG20	FCBB	
		GTGO20	FOOL	
		GTZR20	FZAA	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		IGCG20	FCBB	
		SMAN01	FCBB	
		SMAN21	FNLU	
		SMCE01	FEFF	
		SMGO01	FOOL	
		SMGO20	FOOL	
		SMTP01	FPST	
		SMVA01	FNLU	
		SMVA01	FEFF	
		SMZR01	FZAA	
		UAAM01	FNLU	
		UGCE20	FEFF	
		UGGO20	FOOL	
		UPCE01	FEFF	
		UPCG01	FCBB	
		UPGO01	FOOL	
		HH=03,09,15,21		
HH	HH+40	SIAN20	FNLU	
		SIAN22	FNLU	
		SICE20	FEFF	
		SICG20	FCBB	
		SIGO20	FOOL	
		SIVA20	FCBB	
		SIZR20	FZAA	
		UAAM01	FCBB	

(1) 4th of each month, on the 5th if the 4th is a Sunday or a public holiday.

Centre: Conakry

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
3XM 20	-	7 500 kHz	A1A	-	250 W
3XM 22	-	3 703 kHz	A1A	-	250 W

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	1540	CSGN01	GUCY(3)	
		CSGN20	GUCY(3)	
		HH=00,06,12,18		
HH	HH+20-45	SMGN01	GUCY	
HH	HH+30-40	FCGN20(1)	GUCY	
		FTGN20(2)	GUCY	
06,12,18	HH+30-45	SMGN02	GUCY	
		SMGN20	GUCY	
12,18	HH+40-45	UGGN20	GUCY	
		UPGN01	GUCY	
		HH=03,09,15,21		
HH	HH+20-40	FCGN20(1)	GUCY	
		SIGN20	GUCY	

(1) Valid for 9 hours.
(2) Valid for 18 hours.
(3) On the 3rd and 4th of each month.

Centre: Nairobi

Area in which the broadcast is received: Region I

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
5YE1	H24	17 443.6 kHz	F2B	white +400 Hz, black -400 Hz	10 kW
5YE2	H24	9 043 kHz	F2B	white +400 Hz, black -400 Hz	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		CUMZ01	FQMA	
		CUZB01	FLLS	
		CUZR01	FZAA	
		Bulletins not transmitted daily		
	0550-0620	CSBI20	HBBA(2)	
		CSDJ01	HFFF(2)	
		CSKN01	HKNC(2)	
		CSRW01	HRYR(2)	
		CSSC01	FSSS(2)	
		CSSI01	HCMM(2)	
		CSTN01	HTDA(2)	
		CUKN01	HKNC(2)	
		CUMG01	FMMI(2)	
		CURE19	FMEE(2)	
		CUTN01	HTDA(2)	
	1000-1020	CUAM01	FCBB(1)	
		CUNI01	DNKK(1)	
	1030-1045	CUAN01	FNLU(1)	
		CUAP01	FAPR(1)	
	2100-2115	CUMW01	FWKI	
		CUZW01	FVHA	
		HH=00,06,12,18		
00	HH+110-160	UEAA01	FASE	
		UEGE01	FAGE	
		UEMB01	FAME	
		UEZA01	FAPR	
		UEZW01	FVHA	
		UEZW02	FVHA	
		UKAA01	FASE	
		UKGE01	FAGE	
		UKZW01	FVHA	
		UKZW02	FVHA	
		ULAA01	FASE	
		ULMB01	FAME	
		ULZW01	FVHA	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		ULZW02	FVHA	
		UPAA01	FASE	
		USAA01	FASE	
		USZW01	FVHA	
		USZW02	FVHA	
00,04,12	HH+110-160	UPAP02	FAPR	
		UPZA02	UPZA	
00,06,12	HH+110-160	UPAN01	FNLU	
00,12	HH+110-160	UEAN01	FNLU	
		UEAP01	FAPR	
		UECM01	FKKD	
		UECR01	GCXO	
		UEIV01	DIAP	
		UELY01	HLLT	
		UEMC01	GMMC	
		UENI01	DNKK	
		UHEG01	HECA	
		UHEG02	HECA	
		UHEG06	HECA	
		UHSG01	GOOY	
		UHSU01	HSSS	
		UKAN01	FNLU	
		UKAP01	FAPR	
		UKCM01	FKKD	
		UKCR01	GCXO	
		UKIV01	DIAP	
		UKLY01	HLLT	
		UKMB01	FAME	
		UKMC01	GMMC	
		UKNI01	DNKK	
		UKZA01	FAPR	
		ULAN01	FNLU	
		ULAP01	FAPR	
		ULCM01	FKKD	
		ULCR01	GCXO	
		ULGE01	FAGE	
		ULIV01	DIAP	
		ULLY01	HLLT	
		ULMC01	GMMC	
		ULNI01	DNKK	
		ULZA01	FAPR	
		UPAP01	FAPR	
		UPEG01	HECA	
		UPEG02	HECA	
		UPEG06	HECA	
		UPGE01	FAGE	
		UPMB01	FAME	
		UPSU01	HSSS	
		UPZA01	FAPR	
		UPZW01	FVHA	
		USAN01	FNLU	
		USAP01	FAPR	
		USCM01	FKKD	
		USCR01	GCXO	
		USGE01	FAGE	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		USIV01	DIAP	
		USLY01	HLLT	
		USMB01	FAME	
		USMC01	GMMC	
		USNI01	DNKK	
		USZA01	FAPR	
04,12	HH+110-160	UPZW02	FVJA	
06,12	HH+110-160	UHZB01	FLLS	
		UPBC01	FBSK	
		UPMW01	FWKI	
		UPZB01	FLLS	
06,12,18	HH+110-160	UPCD01	FTTJ	
06,18	HH+110-160	UHEG03	HECA	
		UHEG04	HECA	
		UPEG03	HECA	
		UPEG04	HECA	
12	HH+110-160	UECE01	FEFF	
		UEGH01	DGAA	
		UEMW01	FWKI	
		UESG01	GOOY	
		UESU21	HSSS	
		UEZB01	FLLS	
		UHCD01	FTTJ	
		UHCG01	FCBB	
		UHEG05	HECA	
		UHGO01	FOOL	
		UHIV01	DIAP	
		UHLI01	GLRB	
		UHMW01	FWKI	
		UKCE01	FEFF	
		UKGH01	DGAA	
		UKMW01	FWKI	
		UKSG01	GOOY	
		UKSU21	HSSS	
		UKZB01	FLLS	
		ULCE01	FEFF	
		ULGH01	DGAA	
		ULMW01	FWKI	
		ULSG01	GOOY	
		ULSU01	HSSS	
		ULZB01	FLLS	
		UPEG05	HECA	
		UPGO01	FOOL	
		UPLI01	GLRB	
		USCE01	FEFF	
		USGH01	DGAA	
		USMW01	FWKI	
		USSG01	GOOY	
		USSU01	HSSS	
		USZB01	FLLS	
HH	HH+110-160	UEEG01	HECA	
		UHGH01	DGAA	
		UKEG01	HECA	
		ULEG01	HECA	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		UPBJ01	DBBB	
		UPCE01	FEFF	
		UPCG01	FCBB	
		UPCM01	FKKD	
		UPGH01	DGAA	
		UPIV01	DIAP	
		UPMC01	GMMC	
		UPNI01	DNKK	
		UPSG01	GOOY	
		USEG01	HECA	
00,06,12	HH+20-35	SMRE20	FMEE	
06,12	HH+20-35	SMBI20	HBBA	
		SMRW20	HRYR	
HH	HH+20-35	SMBI01	HBBA	
		SMDJ01	HFFF	
		SMET01	JAAB	
		SMET20	HAAB	
		SMKN01	HKNC	
		SMKN20	HKNC	
		SMMA01	FIMP	
		SMMG01	FMMI	
		SMMG20	FMMI	
		SMRE01	FMEE	
		SMRE19	FMEE	
		SMRW01	HRYR	
		SMSC01	FSSS	
		SMSI01	HCMM	
		SMTN01	HTDA	
		SMTN40	HTDA	
		SMUG01	HUEN	
		SMUG20	HUEN	
		SMVA01	HKNC	
00,12	HH+35-50	UEKN01	HKNC	
		UETN01	HTDA	
		UEUG01	HUEN	
		UKKN01	HKNC	
		UKTN01	HTDA	
		UKUG01	HUEN	
		ULKN01	HKNC	
		ULTN01	HTDA	
		ULUG01	HUEN	
		USKN01	HKNC	
		USTN01	HTDA	
		USUG01	JIEM	
00,12,18	HH+35-50	UGUG20	HUEN	
		UHUG01	HUEN	
		UPUG01	HUEN	
		UQUG20	HUEN	
06,12	HH+35-50	UGKN20	HKNC	
		UGTN20	HTDA	
		UHKN01	HKNC	
		UHTN01	HTDA	
		UPKN01	HKNC	
		UPTN01	HTDA	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		UQKN20	HKNC	
		UQTN20	HTDA	
00,12	HH+50-65	UEMG01	FMMI	
		UKMG01	FMMI	
		ULMG01	FMMI	
		USMG01	FMMI	
12	HH+50-65	UEET01	HAAB	
		UERE19	FMEE	
		UKET01	HAAB	
		UKRE19	FMEE	
		ULET01	HAAB	
		ULRE19	FMEE	
		USET01	HAAB	
		USRE19	FMEE	
00	HH+65-80	UGSC20	FSSS	
		UQSC20	FSSS	
00,06,12	HH+65-80	UGMG20	FMMI	
		UPMG01	FMMI	
00,12	HH+65-80	UGMA20	FIMP	
		UHMA01	FIMP	
		UHMG01	FMMI	
		UHSC01	FSSS	
		UPMA01	FIMP	
		UPSC01	FSSS	
		UQMA20	FIMP	
06	HH+65-80	UGET20	HAAB	
		UGRW20	HRYR	
		UHET01	HAAB	
		UHRW01	HRYR	
		UPET01	HAAB	
		UPRW01	HRYR	
		UQRW20	HRYR	
06,12	HH+65-80	UGBI20	HBBA	
		UHBI01	HBBA	
		UPBI01	HBBA	
		UQBI20	HBBA	
12	HH+65-80	UGDJ20	HFFF	
		UHDJ01	HFFF	
		UPDJ01	HFFF	
		UQDJ20	HFFF	
HH	HH+80-90	SMVA01	FMEE	
		SMVA01	HKNC	
		SMVA01	HTDA	
		SMVA01	HFFF	
		SMVA01	FMMI	
		SMVB01	HFFF	
		SMVB01	FIMP	
06,12	HH+90-110	SMAP02	FAPR	
		SMMW21	FWKI	
		SMZR20	FZAA	
06,12,18	HH+90-110	SMAP20	FAPR	
		SMCG20	FCBB	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		SMEG22	HECA	
		SMEG24	HECA	
		SMZA21	FAPR	
		SMZB20	FLLS	
12	HH+90-110	SMLI20	GLRB	
12,18	HH+90-110	SMTC01	FATC	
HH	HH+90-110	SMAA01	FASE	
		SMAN01	FNLU	
		SMAN21	FNLU	
		SMAP01	FAPR	
		SMBC01	FBSK	
		SMBJ01	DBBB	
		SMBJ20	DBBB	
		SMCD01	FTTJ	
		SMCE01	FEFF	
		SMCG01	FCBB	
		SMCM01	FKDD	
		SMCR01	GCLP	
		SMEG01	HECA	
		SMEG02	HECA	
		SMEG03	HECA	
		SMEG20	HECA	
		SMEG21	HECA	
		SMGE01	FAGE	
		SMGH01	DGAA	
		SMGO01	FOOL	
		SMGO20	FOOL	
		SMIV01	DIAP	
		SMIV20	DIAP	
		SMLI01	GLRB	
		SMLY01	HLLT	
		SMMB01	FAME	
		SMMC01	GMMC	
		SMMC02	GMMC	
		SMMC23	GMMC	
		SMMW01	FWKI	
		SMNI01	DNKK	
		SMSG01	GOOY	
		SMSG20	GOOY	
		SMSU01	HSSS	
		SMZA	FAPR	
		SMZA20	FAPR	
		SMZB01	FLLS	
		SMZR01	FZAA	
		HH=03,09,15,21		
03,09,15	HH+20-35	SIMG21	FMMI	
		SIRE21	FMEE	
09,15,21	HH+20-35	SIBI20	HBBA	
		SIMA20	FIMP	
HH	HH+20-35	SIDJ20	HFFF	
		SIET20	HAAB	
		SIET21	HAAB	
		SIKN20	HKNC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
		SIMG20	FMMI	
		SIRE19	FMEE	
		SIRE20	FMEE	
		SIRW20	HRYR	
		SISC20	FSSS	
		SISI20	HCMM	
		SITN20	HTDA	
		SIUG20	HUEN	
03,09,15	HH+50-90	SIMW21	FWKI	
		SIZW21	FVHA	
09	HH+50-90	SITC20	FATC	
09,15	HH+50-90	SIZB21	FLLS	
HH	HH+50-90	SIAA20	FASE	
		SIAN20	FNLU	
		SIAP20	FAPR	
		SIAP21	FAPR	
		SIBC20	FBSK	
		SICD20	FTTK	
		SICM20	FKKD	
		SICR20	GCLP	
		SIGE20	FAGE	
		SIGO20	FOOL	
		SIGW20	GGOV	
		SIHV20	DHHH	
		SIMB20	FAME	
		SIMI20	GABS	
		SIMW20	FWKI	
		SIMZ20	FQMA	
		SINR20	DRRN	
		SIZA40	FAPR	
		SIZB20	FLLS	
		SIZR	FZAA	
		SIZW20	FVHA	
HH	HH+90-160	SICG20	FCBB	
		SIGH20	DGAA	
		SIIV20	DIAP	
		SIMT20	GQNN	
		SINI20	DNKK	
		SISL20	GFLL	
		SITG20	DXXX	
		SOCE20	FEFF	
		Unscheduled messages		
	As available	TBUS01	KWBC	
		TBUS02	KWBC	
		TBUS05	KWBC	
		TBUS06	KWBC	
		TUXS04	KWBC	
		TUXS08	KWBC	
		UAAA01	DRRN	
		UAAA02	DRRN	
		UAAM01	FCBB	
		UAAP01	FAPR	

Time Group	Transmission Time	TTAAii	CCCC	Details

Unscheduled messages

UAEA20	HKNC
UAIO01	FMMI

Notes:
(a) WIFMA messages will be included in the transmission at 1835 UTC on Wednesday only.
(b) METNO messages will be included in the transmission at 1835 UTC on Friday only.

(1) Retransmission of CLIMAT/CLIMAT TEMP data from Pretoria on or before the 5th of each month.

(2) 4th and 5th of each month.

Centre: Antananarivo/Antenetibe

Area in which the broadcast is received: Region I

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
5ST 25	-	2 614 kHz	F1B	100 bauds	5 kW
5ST 28	-	4 525 kHz	F1B	100 bauds	5 kW
5ST 41	-	7 552 kHz	F1B	100 bauds	5 kW
5ST 83	-	17 400 kHz	F1B	100 bauds	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
1200(1)	1235-1275	SUMG01	FMMI	
1400(1)	1235-1275	CSMG01	FMMI	
00	HH+35-75	UKMG01	FMMI*	
		ULMG01	FMMI*	
		USMG01	FMMI*	
00,06,12	HH+35-75	LPMG01	FMMI	
		UGMG20	FMMI	
00,12	HH+35-75	UEMG01	FMMI	
		UHMG01	FMMI	
		UKMG01	FMMI	
		ULMG01	FMMI	
		USMG01	FMMI	
03,09,15	HH+35-75	SIMG21	FMMI	
06,12	HH+35-75	ASMG20	FMMD	
		AUMG21	FMMD	
		AXMG24	FMMD	
		FQIO20	FMMD	
HH	HH+35-75	-	FMEE(2)	
		-	FMEE(2)	
		FTMG20	FMMI	
		SIMG20	FMMI	
		SIVA20	FMMI	
		SMMG01	FMMI	
		SMMG20	FMMI	
		SMVA01	FMMI	
		UAIO01	FMMI	
		UAIO01	FMMI	

NOTES:
*Repetition.
(1) On
(2) Repetition of the whole Reunion broadcast.

Centre: Bigara

Area in which the broadcast is received: Reunion and all countries of the South-West Indian Ocean, including Seychelles

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
3BT 2	0000-2400	3 188 kHz	F1B	-	4 KW
3BT 3	0000-2400	7 693 kHz	F1B	-	4 KW
3BT 4	0000-2400	15 955 kHz	F1B	-	8 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSMA01	FIMP(3)	
		HH=00,06,12,18		
00,06,12	HH+210-225	SMVA01	FIMP(RTD)	
06	HH+210-225	ASMA20	FIMP	
HH	HH+30-45	SMMA01	FIMP	
		SMVA01	FIMP	
		HH=00,12		
HH	HH+210-225	UPMA01	FIMP	
		HH=03,09,15		
HH	HH+30-45	SIMA20	FIMP	

(1) Simultaneous broadcasts on 3 188 and 15 955 kHz.
Transmissions simultanées sur 3 188 et 15 955 kHz.

(2) Frequency 7 693 kHz will be used only in case of failure of broadcasts on 3 188 and/or 15 955 kHz.
La fréquence 7 693 kHz sera utilisée seulement en cas de panne des émissions sur 3 188 et ou 15 955 kHz.
(3) On the 4th of each month.

NOTE:
SYNOP RETARD, SHIP RETARD and AIREP reports, storm and hurricane warnings are given in the broadcast next following their receipt.

Centre: Kano (AFMET IV)

Area in which the broadcast is received: 20°N-20°S, 30°E-20°W

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
5NK	-	17 535 kHz	F1B	50 bauds	5 kW
5NK	-	12 190 kHz	F1B	50 bauds	5 kW
5NK	-	5 155 kHz	F1B	50 bauds	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	1240	CSNI01	DNKK	
		CUNI01	DNKK(1)	
		HH=00,12		
	HH+00-35	FTGH20	DGAA	
		UANI01	DNKK	
09,21	HH+00-35	SINI20	DNKK	
HH	HH+00-35	FTAL40	DAMM	
		FTCG20	FCBB	
		FTSG20	GOOY	
		SMNI01	DNKK	
		UPNI01	DNKK	
12	HH+120-170	UPKN01	HKNC	
HH	HH+120-170	SMAL01	DAMM	
		SMEG01	HECA	
		SMKN01	HKNC	
		UKEG01	HECA	
		UKKN01	HKNC	
		UPAL01	DAMM	
		UPEG01	HECA	
		USAL01	DAMM	
		USEG01	HECA	
		USKN01	HKNC	
12	HH+45-75	ULSG01	GOOY	
		USSG01	GOOY	
HH	HH+45-75	SMCG01	FCBB	
		SMCG01	FCBB(RTD)	
		SMGH01	DGAA(RTD)	
		SMGH01	DGAA	
		SMSG01	GOOY(RTD)	
		SMSG01	GOOY	
		UPCG01	FCBB	
		UPGH01	DGAA	
		UPSG01	GOOY	
		HH=03,09,15,21		

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
	HH+00-15	UANI01	DNKK	
00,06,12,18	HH+00-15	SMNI01	DNKK	
		UPNI01	DNKK	
00,12	HH+00-15	USNI01	DNKK	
HH	HH+20-30	SIGH20	DGAA	
		SINI20	DNKK	
		SPGH20	DGAA	
06,12,18	HH+40-70	SMCG20	FCBB	
HH	HH+40-70	SICG20	FCBB	
00,06,12,18	HH+80-120	SMSG20	GOOY	
HH	HH+80-120	SISG20	GOOY	
		HH=06,18		
	HH+15-40	FTGH20	DGAA	
		UANI01	DNKK	
03,15	HH+15-40	SINI20	DNKK	
HH	HH+15-40	FTAL40	DAMM	
		FTCG20	FCBB	
		FTSG20	GOOY	
		SMNI01	DNKK	
		UPNI01	DNKK	
HH	HH+50-80	SMCG01	FCBB	
		SMGH01	DGAA	
		UPCG01	FCBB	
		UPGH01	DGAA	
		UPSG01	GOOY	
06	HH+90-120	UPKN01	HKNC	
HH	HH+90-120	SMAL01	DAMM	
		SMEG01	HECA	
		SMKN01	HKNC	
		UPAL01	DAMM	

(1) 5th and 6th of each month.

Centre: Bottom Woods

Area in which the broadcast is received: The western part of North Africa and the southern part of Africa

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
GHH	1000(1), 1030(2), 1400(1), 1435(2)	23 997,5 kHz	F1B	50 bauds	1 kW
GHH	1015(1), 1040(2), 1420(1), 1445(2)	17 414 kHz	F1B	50 bauds	1 kW
GHH	0215(1), 0240(2)	9 044 kHz	F1B	50 bauds	1 kW
GHH	0200(1), 0230(2)	6 824 kHz	F1B	50 bauds	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
00	0200(3), 0215(4), 0230, 0240	UGHE21	FHSB	
		UHHE01	FHSB	
		UPHE01	FHSB	
		UQHE21	FHSB	
00,18	0200(3), 0215(4), 0230, 0240	SMHE01	FHSB	
15,21	0200(3), 0215(4), 0230, 0240	SIHE20	FHSB	
03,09	1000(3), 1015(4), 1030, 1040	SIHE20	FHSB	
06	1000(3), 1015(4), 1030, 1040	SMHE01	FHSB	
12	1400(3), 1420(4), 1435, 1445	SMHE01	FHSB	
		UEHE01	FHSB	
		UKHE01	FHSB	
		ULHE01	FHSB	
		USHE01	FHSB	

(1) Broadcast beamed in direction centred on 03° from St. Helena. / Diffusion orientée sur un azimut de 03°.
(2) Broadcast beamed in direction centred on 112° from St. Helena. / Diffusion orientée sur un azimut de 112°.
(3) Contents of broadcast repeated twice after initial transmission.
(4) Contents of broadcast repeated once after initial transmission.

NOTES:
(a) Times indicated are those at which transmission of the metorological bulletins begins.
(b) A preliminary call consistsing of THIS IS MET ST. HELENA RYRYRYRY etc. is transmitted for approximately five minutes prior to the above broadcast times.

Centre: Dakar

Area in which the broadcast is received: 35°N-15°S, 30°E-30°W

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
6VU23	0000-2400	4 790.5 kHz	F1B	-	5 kW
6VU73	0000-2400	13.667.5 kHz	F1B	-	10 kW
6VU79	0000-2400	19 750 kHz	F1B	-	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	HH+15-30	CSAO01	GOOY(1)	
		CSAO20	GOOY	
		CSAO21	GOOY	
		CSAO22	GOOY	
		CUAO01	GOOY	
		CUAO02	GOOY	
		CUAO20	GOOY	
		HH=00,06,12,18		
	HH+15-30	SMCV01	GVAC	
		UGMD20	LPMG	
		UHMD01	LPMG	
		UPMD01	LPMG	
		UQMD20	LPMG	
06,12,18	HH+15-30	SMGB20	GBYD	
12	HH+15-30	UHHV01	DHHH	
12,18	HH+15-30	UGGB20	GBYD	
		UPGB01	GBYD	
HH	HH+15-30	SMBJ01	DBBB	
		SMBJ20	DBBB	
		SMGB01	GBYD	
		SMHV01	DHHH	
		SMMD01	LPMG	
		SMNR01	DRRN	
		SMNR20	DRRN	
		SMTG01	DXXX	
		SMTG20	DXXX	
		UGBJ20	DBBB	
		UGHV01	DHHH	
		UGNR20	DRRN	
		UGTG20	DXXX	
		UPBJ01	DBBB	
		UPHV01	DHHH	
		UPNR01	DRRN	
		UPTG01	DXXX	
HH	HH+240	ASA020	GOOY	
00	HH+30-60	UGHE21	FHSB	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
00,12	HH+30-60	UHSG01	GOOY	
06,12,18	HH+30-60	SMGN02	GUCY	
		SMGW20	GGOV	
		SMSG20	GOOY	
12	HH+30-60	UHIV01	DIAP	
		UHLI01	GLRB	
		UPLI01	GLRB	
12,18	HH+30-60	UPGN01	GUCY	
HH	HH+30-60	SMCR01	GCLP	
		SMGH01	DGAA	
		SMGN01	GUCY	
		SMGN20	GUCY	
		SMGW01	GGOV	
		SMHE01	FHSB	
		SMIV01	DIAP	
		SMIV20	DIAP	
		SMLI01	GLRB	
		SMMT01	GQNN	
		SMSG01	GOOY	
		SMSL01	GFLL	
		SMVA01	GOOY	
		SMVA01	DIAP	
		UAAO01	GOOY	
		UGGH20	DGAA	
		UGIV20	DIAP	
		UGMT20	GQNN	
		UGSG20	GOOY	
		UGSL20	GFLL	
		UHVA01	GOOY	
		UPIV01	DIAP	
		UPMI01	GABS	
		UPMT01	GQNN	
		UPSG01	GOOY	
		UPVA01	DIAP	
		UPVA01	GOOY	
00,12	HH+360-375	AUAO20	GOOY	
		AUAO21	GOOY	
00,12	HH+480-540	FBAF20	GOOY	
		FBAF21	GOOY	
		FBAF22	GOOY	
		FXAF20	GOOY	
HH	HH+60-75	UAAO01	DRRN	
		UAAO01	DRRN	
		UAAO02	GOOY	
		UAST01	GOOY	
00,12	HH+60-90	UECR01	GCXO	
		UEIV01	DIAP	
		UEMD01	LPMG	
		UEMI01	GABS	
		UENR01	DRRN	
		UEVA01	GOOY	
		UEVA01	DIAP	
		UKCR01	GCXO	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		UKIV01	DIAP	
		UKMD01	LPMG	
		UKMI01	GABS	
		UKNR01	DRRN	
		UKVA01	DIAP	
		UKVA01	GOOY	
		ULCR01	GCXO	
		ULIV01	DIAP	
		ULMD01	LPMG	
		ULMI01	GABS	
		ULNR01	DRRN	
		ULVA01	GOOY	
		ULVA01	DIAP	
		USCR01	GCXO	
		USIV01	DIAP	
		USMD01	LPMG	
		USMI01	GABS	
		USNR01	DRRN	
		USVA01	GOOY	
		USVA01	DIAP	
12	HH+60-90	UEAI01	KWBC	
		UECV02	GVAC	
		UEGH01	DGAA	
		UEHE01	FHSB	
		UEMT01	GQNN	
		UESG01	GOOY	
		UKAI01	KWBC	
		UKCV01	GVAC	
		UKGH01	DGAA	
		UKHE01	FHSB	
		UKMT01	GQNN	
		UKSG01	GOOY	
		ULAI01	KWBC	
		ULCV01	GVAC	
		ULGH01	DGAA	
		ULHE01	FHSB	
		ULMT01	GQNN	
		ULSG01	GOOY	
		USAI01	KWBC	
		USCV01	GVAC	
		USGH01	DGAA	
		USHE01	FHSB	
		USMT01	GQNN	
		USSG01	GOOY	
		HH=03,09,15,21		
	As available	NOSG01	GOOY	
		NOXX01	LSSW	
		WSAO20	GOOY	
09,15	HH+30-60	SIAI20	KWBC	
HH	HH+30-60	SIBJ20	DBBB	
		SICR20	GCLP	
		SICV20	GVAC	
		SIGB20	GBYD	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
		SIGH20	DGAA	
		SIGN20	GUCY	
		SIGW20	GGOV	
		SIHV20	DHHH	
		SIIV20	DIAP	
		SILI20	GLRB	
		SIMD20	LPMG	
		SIMI20	GABS	
		SIMT20	GQNN	
		SINR20	DRRN	
		SISG20	GOOY	
		SISL20	GFLL	
		SITG20	DXXX	
00,06,12,18	HH+60-75	FTBJ20	DBBB	
		FTGN20	GUCY	
		FTGW20	GGOV	
		FTHV20	DHHH	
		FTIV20	DIAP	
		FTLI20	GLRB	
		FTMD20	LPPT	
		FTMT20	GQNN	
		FTNR20	DRRN	
		FTSG20	GOOY	
		FTSL20	GFLL	
		FTTG20	DXXX	
		FXAO20	GOOY	
		FXAO21	GOOY	
HH	HH+60-75	FTCV20	GVAC	
		FTGB20	GOOY	
		FTGH20	DGAA	
		SIVA20	GOOY	
		SIVA20	DIAP	
		SIVA21	GOOY	
		UAAO01	DRRN	
		UAAO01	GOOY	
		UAAO02	DRRN	
		UAAO02	GOOY	
		UAST01	GOOY	

NOTES:
(a) The RTH Dakar uses a computer operated message switching system. The bulletins and messages are transmitted according to the priority rule "first in - first out". The times of transmission given in the schedule are therefore only an indication.
(b) The transmission is centred 2.550 Hz below the registered frequencies.
© The radiosonde of Nouadhibou (61415) is not made on Fridays.

(1) 4th of each month, 5th if 4th is a Sunday or an international holiday.

Centre: Pretoria

Area in which the broadcast is received: METAREA VII

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
ZSC	0930; 1730	19 692.5 kHz	FEC	170 kHz	-
ZSC	0930; 1730	12 601 kHz 16 816 kHz	FEC	170 kHz	-
ZSC	0930; 1730	6 322 kHz 8 431.5 kHz	FEC	170 kHz	-
ZSC	0930; 1730	42141 kHz	FEC	170 kHz	-

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
	0830; 1400; 1730	FQZA30		Forecast for coastal areas
		FQZA31		Forecast for high seas

Centre: Phnom Penh/Pochentong

Area in which the broadcast is received: Bangkok

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
XUB	-	18 555 kHz	F1B	50 bauds	2,5 kW
XUB	-	8 135 kHz	F1B	50 bauds	2,5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSKP01	VDPP(2)	
		HH=00,06,12,18		
00	HH+35-45	SMKP20	VDPP	
HH	HH+35-45	SMKP01	VDPP	
RTD (HH-180)	HH+35-45	SIKP20	VDPP	
		HH=03,09,15,21		
00	HH+35-45	UGKP20	VDPP	
		UPKP01	VDPP	
HH	HH+35-45	SIKP20	VDPP	
RTD (HH-180)	HH+35-45	SMKP01	VDPP	

(1) The upper-wind soundings are made at 0000 or 0600 UTC, depending on cloud conditions.
(2) 5th or 6th of each month.

Centre: Pyongyang

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
HMA	0000-2400	8 170 kHz	F1B	-	5 kW
HMA	0000-2400	4 646 kHz	F1B	-	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
HH	HH+30-35	SMKR01	DKPY	
		SMKR02	DKPY	
		SMKR21	DKPY	
		SMKR22	DKPY	
		HH=00,12		
HH	HH+90-225	UEKR01	DKPY	
		UEKR02	DKPY	
		UKKR01	DKPY	
		UKKR02	DKPY	
		ULKR01	DKPY	
		ULKR02	DKPY	
		USKR01	DKPY	
		USKR02	DKPY	
		HH=03,15		
HH	HH+30-35	SIKR21	DKPY	

Centre: New Delhi

Area in which the broadcast is received: Territorial Broadcast: India and adjacent countries

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
VVD 53	1430-0230	3 192,5 kHz	F1B	0,8	10 kW
VVD 54	1430-0230	4 060 kHz	F1B	0,8	5 kW
VVD 56	0230-1430	6 978 kHz	F1B	0,8	5 kW
VVD 57	0000-2400	7 580 kHz	F1B	0,8	10 kW
VVD 62	0000-2400	12 075 kHz	F1B	0,8	10 kW
VVD 69	0030-1430	19 400 kHz	F1B	0,8	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	1200-1230	COIN01	DEMS(1)	
		CSAH01	OAKB(1)	
		CSIN01	DEMS(1)	
		CSIQ01	ORBS(1)	
		CSIR01	OIII(1)	
		CSKW10	OKBK(1)	
		CSPK01	OPKC(1)	
		CSSB01	VCCC(1)	
		CSSD10	OEJD(1)	
		CSTH01	VTBB(1)	
		CSYE10	OYSN(1)	
		CUIN01	DEMS(1)	
		CUIQ01	ORBS(1)	
		CUIR01	OIII(1)	
		CUKW10	OKBK(1)	
		CUPK01	OPKC(1)	
		CUSD10	OEJD(1)	
		CUTH01	VTBB(1)	
		CUYE10	OYSN(1)	
		HH=00,06,12,18		
(1)	HH+140-160	UAIN01	DEMS	
00,12	HH+140-160	UEIN01	DEMS	
		UEIN02	DEMS	
		UESR01	WSSS	
		UETH01	VTBB	
		UKIN01	DEMS	
		UKIN02	DEMS	
		UKSR01	WSSS	
		UKTH01	VTBB	
		ULIN01	DEMS	
		ULIN02	DEMS	
		ULSR01	WSSS	
		ULTH01	VTBB	
		USIN01	DEMS	
		USIN02	DEMS	
		USSR01	WSSS	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		USTH01	VTBB	
		UTIN01	DEMS	
06,18	HH+140-160	UGIN20	DEMS	
		UGSR20	WSSS	
		UHIN01	DEMS	
		UPIN01	DEMS	
		UPSR01	WSSS	
		UQIN20	DEMS	
HH	HH+140-160	UGTH20	VTBB	
		UPTH01	VTBB	
HH	HH+160-180	SMBM01	VBRR	
		SMEG20	HECA	
		SMVA11	DEMS	
		SMVB11	DEMS	
(1)	HH+180-210	UAIN01	DEMS	
00	HH+180-210	UEBM01	VBRR	
		UEUZ10	UTTW	
		UKBM01	VBRR	
		UKUZ10	UTTW	
		ULBM01	VBRR	
		ULUZ10	UTTW	
		USBM01	VBRR	
		USUZ10	UTTW	
00,06,12	HH+180-210	UGSB20	VCCC	
		UPSB01	VCCC	
00,12	HH+180-210	SEYE10	OYSN	
		SLYE10	OYSN	
		UEAH01	OAKB	
		UEEG01	HECA	
		UEID01	WIIX	
		UEIQ01	ORBS	
		UEIR01	OIII	
		UEKW10	OKBK	
		UELA01	VLIV	
		UEMS01	WMKK	
		UEPK01	OPKC	
		UESD10	OEJD	
		UGBM20	VBRR	
		UGIR20	OIII	
		UGMV20	VRMM	
		UKAH01	OAKB	
		UKEG01	HECA	
		UKID01	WIIX	
		UKIQ01	ORBS	
		UKIR01	OIII	
		UKKW10	OKBK	
		UKLA01	VLIV	
		UKMS01	WMKK	
		UKPK01	OPKC	
		UKSD10	OEJD	
		UKVS01	VNNN	
		UKYE10	OYSN	
		ULAH01	OAKP	
		ULCI01	BABJ	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		ULEG01	HECA	
		ULID01	WIIX	
		ULIQ01	ORBS	
		ULIR01	OIII	
		ULKW10	OKBK	
		ULLA01	VLIV	
		ULMS01	WMKK	
		ULPK01	OPKC	
		ULSD10	OEJD	
		UPBM01	VBRR	
		UPIR01	OIII	
		UPMV01	VRMM	
		USAH01	OAKP	
		USCI01	BABJ	
		USEG01	HECA	
		USID01	WIIX	
		USIQ01	ORBS	
		USIR01	OIII	
		USKW10	OKBK	
		USLA01	VLIV	
		USMS01	WMKK	
		USPK01	OPKC	
		USSD10	OEJD	
		USVS01	VNNN	
		USYE10	OYSN	
		UTIN01	DEMS	
06,12,18	HH+180-210	UGPK20	OPKC	
		UPPK01	OPKC	
06,18	HH+180-210	UGKW20	OKBK	
		UPKW10	OKBK	
		UPLA01	VLIV	
12	HH+180-210	UESB01	VCCC	
		UGYE20	OYSN	
		UKSB01	VCCC	
		ULSB01	VCCC	
		UPYE10	OYSN	
		USSB01	VCCC	
HH	HH+180-210	UGID20	WIIX	
		UGIQ20	ORBS	
		UGMS20	WMKK	
		UPID01	WIIX	
		UPIQ01	ORBS	
		UPMS01	WMKK	
HH	HH+30-35	SMIN01	DEMS	
		SMIN02	DEMS	
		SMIN03	DEMS	
		SMIN04	DEMS	
		SMIN05	DEMS	
		SMSR01	WSSS	
		SMTH01	VTBB	
		SMVS01	VNNN	
		WTIN20	DEMS	
00,12	HH+365-370	ASIN20	DEMS	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
00,12	HH+475-480	AUIN20	DEMS	
HH	HH+80-115	SMAH01	OAKB	
		SMCI01	BABJ	
		SMID01	WIIX	
		SMIQ01	ORBS	
		SMIR01	OIII	
		SMIR02	OIII	
		SMKP01	VDPP	
		SMKW01	OKBK	
		SMLA01	VLIV	
		SMMS01	WMKK	
		SMMV01	VRMM	
		SMNP20	VNKT	
		SMPK01	OPKC	
		SMPK20	OPKC	
		SMSB01	VCCC	
		SMSD10	OEJD	
		SMSD12	OEJD	
		SMSD20	OEJD	
		SMUZ01	UTTW	
		SMVA01	DEMS	
		SMVB01	DEMS	
		SMVX01	VCCC	
		SMYE10	OYSN	
		HH=03,09,15,21		
HH	HH+105-125	SIAH20	OAKB	
		SIAR20	OEJD	
		SIID20	WIIX	
		SIIQ20	ORBS	
		SIIR20	OIII	
		SIKP20	OYSN	
		SIKW20	OKBK	
		SILA20	VLIV	
		SIMS20	WMKK	
		SIMV20	VRMM	
		SINP20	VNKT	
		SIPK20	OPKC	
		SISB20	VCCC	
		SISD20	OEJD	
		SISD21	OEJD	
		SIYE20	OYSN	
HH	HH+160-175	SIBM20	VBRR	
HH	HH+30-35	SIIN20	DEMS	
		SIIN21	DEMS	
		SIIN22	DEMS	
		SIIN23	DEMS	
		SIIN24	DEMS	
		SISR20	WSSS	
		SIVS20	DEMS	
		WTIN20	DEMS	

Notes:
(a) 1805 UTC bulletin will contain AD-ALERT messages (whenever available) from warning centres and solar activity reports in URSIGRAMME Code at the beginning of transmission.
(b) GEO-ALERT messages, when received will be included in 0930 UTC bulletin.
(c) Rocket observations from Equatorial Rocket Launching Station, Thumba (43373) will be included in 0900 and 2100 UTC broadcasts, whenever available.
(d) APR PREDICT messages and METNO, when available will be included in 1140 and 2340 UTC transmissions.

(1) 5th and 6th of each month.

Centre: Tehran

Area in which the broadcast is received: Up to 3 000 km

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
9DM 17	0000-2400	10 686 kHz	F1B	50 bauds	10 kW
9DM 27	0300-1500	17 553 kHz	F1B	50 bauds	10 kW
9DM 9	1500-0300	5 343,5 kHz	F1B	50 bauds	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSIQ01	ORBS	
		CSIR01	OIII	
		CSKW10	OKBK	
		CSPK01	OPKC	
		CSSD10	OEJD	
		CSYE10	OYSN	
		CUIQ01	ORBS	
		CUIR01	OIII	
		CUKW10	OKBK	
		CUPK01	OPKC	
		CUSD10	OEJD	
		CUYE10	OYSN	
		H=00-24		
	As available	WTIN20	DEMS	
		WWIN40	DEMS	
H	As available	UAIR01	OIII	
H	H+10	SAIR20	OIII	
		SASD20	OEJD	
		UAIN01	DEMS	
		HH=00,06,12,18		
HH	HH+15	SMAB01	ZATI	
		SMAL01	DAMM	
		SMBU01	LZSO	
		SMBX01	EBBR	
		SMCD01	FTTJ	
		SMCR01	GCLP	
		SMCY01	LGAT	
		SMCZ10	OKPR	
		SMDN01	EKMI	
		SMEG01	HECA	
		SMEG02	HECA	
		SMEG03	HECA	
		SMET01	HAAB	
		SMET20	HAAB	
		SMFA01	ENMI	
		SMFI01	ENMI	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		SMGR01	LGAT	
		SMHU01	HABP	
		SMIY01	LIIB	
		SMJD01	HFFF	
		SMJD01	OJAM	
		SMLB01	OLBA	
		SMLY01	HLLT	
		SMMC01	GMMC	
		SMMC02	GMMC	
		SMML01	LMMM	
		SMNO11	ENMI	
		SMNR01	DRRN	
		SMPL01	SOWR	
		SMPO01	LPMG	
		SMRO01	LTAA	
		SMSI01	HCMM	
		SMSN01	YRBK	
		SMSP01	LEMM	
		SMSU01	HSSS	
		SMSU02	HSSS	
		SMSY01	LCLK	
		SMTS01	DTTA	
		SMTU10	OLBA	
		SMVA01	DTTA	
		SMVA01	GMMC	
		SMVA01	DAMM	
		SMVA01	HFFF	
		SMVA02	DAMM	
		SMVA02	GMMC	
		SMVA03	GMMC	
		SMVA03	DAMM	
		SMVB01	HFFF	
		SMVF01	EKMI	
		SMVF01	ENMI	
		SMVF01	EFKL	
		SMVF01	EBBR	
		SMVF01	SOWR	
		SMVF02	LFPW	
		SMVF02	ESWI	
		SMVF02	OSDI	
		SMVF03	LFPW	
		SMVF10	LIIB	
		SMVF11	ENMI	
		SMVF12	ENMI	
		SMVF13	DAMM	
		SMVX01	HECA	
		SMVX01	LPMG	
		SMVX02	LPMG	
		SMVX03	LPMG	
		SMVX10	OYSN	
		SMWF01	ENMI	
		SMYE10	OYSN	
		SMYG10	LYBM	
HH	HH+25	FMIR22	OIII	
		FTIQ20	ORBS	
		FTIR20	OIII	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,06,12,18	
		SIIQ01	ORBS	
		SMAH10	OAKB	
		SMAH20	OAKB	
		SMBM01	VBRR	
		SMBY01	UMMN	
		SMDL01	EDZW	
		SMER10	OMAA	
		SMEU03	EGRR	
		SMFR01	LFPW	
		SMIE01	EIDB	
		SMIN01	DEMS	
		SMIN02	DEMS	
		SMIN03	DEMS	
		SMIN04	DEMS	
		SMIN05	DEMS	
		SMIN40	DEMS	
		SMIN41	DEMS	
		SMIN42	DEMS	
		SMIQ20	ORBS	
		SMIR01	OIII	
		SMIR02	OIII	
		SMIR20	OIII	
		SMIR23	OIII	
		SMIS01	LLBD	
		SMKW10	OKBK	
		SMNL10	EHDB	
		SMNP01	VNKT	
		SMPK01	OPKC	
		SMPK20	OPKC	
		SMRA10	RUNW	
		SMRA11	RUNW	
		SMRA14	RUNW	
		SMRS10	RUMS	
		SMRS11	RUMS	
		SMRS12	RUMS	
		SMRS13	RUMS	
		SMRS14	RUMS	
		SMRS15	RUMS	
		SMRS16	RUMS	
		SMRS17	RUMS	
		SMSD10	OEJD	
		SMSD12	OEJD	
		SMTA20	UTDD	
		SMUK01	EGRR	
		SMUR10	UKMS	
		SMUZ10	UTTW	
		SMVA10	DEMS	
		SMVA11	OEJD	
		SMVA11	DEMS	
		SMVB10	DEMS	
		SMVF01	LFPW	
			HH=00,12	
00	HH+60	UGPK01	OPKC	
		USPK01	OPKC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
12	HH+60	UEIQ01	ORBS	
		UGPK20	OPKC	
		UGPK40	OPKC	
		UKIQ01	ORBS	
		ULIQ01	ORBS	
		UPEG05	HECA	
		UPPK01	OPKC	
		UPPK40	OPKC	
		USIQ01	ORBS	
		USNR01	DRRN	
HH	HH+60	UEIR01	OIII	
		UESD10	OEJD	
		UEYE10	OYSN	
		UGKW20	OKBK	
		UKAH01	OAKB	
		UKBM01	VBRR	
		UKIN01	DEMS	
		UKIR01	OIII	
		UKIS01	LLBD	
		UKJD01	OJAM	
		UKLB01	OLBA	
		UKRO01	YRBK	
		UKSD10	OEJD	
		UKTU10	LTAA	
		UKYE10	OYSN	
		ULIR01	OIII	
		ULSD10	OEJD	
		ULYE10	OYSN	
		UPBM01	VBRR	
		UPDJ01	HFFF	
		UPEG01	HECA	
		UPEG02	HECA	
		UPEG06	HECA	
		UPIN01	DEMS	
		UPIN40	DEMS	
		UPKW10	OKBK	
		UPSU01	HSSS	
		USAH01	OAKB	
		USAL01	DAMM	
		USAL02	DAMM	
		USBM01	VBRR	
		USBU01	LZSO	
		USBX01	EBBR	
		USBX01	EBSH	
		USBY01	UMMN	
		USCR01	GCXO	
		USCZ10	OKPR	
		USDL01	EDZW	
		USDN01	EKMI	
		USEG01	HECA	
		USET01	HAAB	
		USFA01	EKMI	
		USFI01	EFKL	
		USFI02	EFKL	
		USFI03	EFKL	
		USFR01	LFPW	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,12	
		USGG10	UGGG	
		USGR01	LGAT	
		USHU01	HABP	
		USHU02	HABP	
		USIE01	EIDB	
		USIN01	DEMS	
		USIR01	OIII	
		USIS01	LLBD	
		USIY01	LIIB	
		USJD01	OJAM	
		USLB01	OLBA	
		USLT10	UMWW	
		USLY01	HLLT	
		USMC01	GMMC	
		USNL01	EHDB	
		USNO11	ENMI	
		USNO12	ENMI	
		USNO13	ENMI	
		USPL01	SOWR	
		USPO01	LPMG	
		USRA10	RUNW	
		USRA11	RUNW	
		USRA14	RUNW	
		USRA16	RUNW	
		USRO01	YRBK	
		USRS10	RUMS	
		USRS11	RUMS	
		USRS12	RUMS	
		USRS13	RUMS	
		USRS14	RUMS	
		USRS15	RUMS	
		USRS17	RUMS	
		USRS19	RUMS	
		USSD10	OEJD	
		USSN01	ESWI	
		USSN03	ESWI	
		USSN05	ESWI	
		USSN06	ESWI	
		USSP01	LEMM	
		USSU01	HSSS	
		USSW01	LSSW	
		USTR10	UTAA	
		USTS01	DTAA	
		USTU10	LTAA	
		USUK01	EGRR	
		USUR10	UKMS	
		USVF01	LIIB	
		USVF01	LFPW	
		USVX01	LPMG	
		USYE10	OYSN	
		USYG01	LYBM	
			HH=03,09,15,21	
HH	HH+15	SIER20	OMAA	
		SIIQ20	ORBS	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
		SIIQ21	ORBS	
		SIIR20	OIII	
		SIIR21	OIII	
		SIIR22	OIII	
		SIKW20	OKBK	
		SIPK20	OPKC	
		SIPK21	OPKC	
		SISD20	OEJD	
		SISD21	OEJD	
		SIVA20	OEJD	
		SIYE20	OYSN	
		HH=06,12		
00,12	HH+60	UGIR20	OIII	
		UHIR01	OIII	
		UPIR01	OIII	
		UQIR20	OIII	
12	HH+60	UGYE20	OYSN	
		UHYE10	OYSN	
		UPYE10	OYSN	
		UQYE20	OYSN	
		USNP01	VNKT	
HH	HH+60	UGIQ20	ORBS	
		UPIQ01	ORBS	
		HH=06,18		
HH	HH+60	UGKW20	OKBK	
		UGPK20	OPKC	
		UGPK40	OPKC	
		UPKW10	OKBK	
		UPPK01	OPKC	
		UPPK40	OPKC	

Centre: Baghdad

Area in which the broadcast is received: Region II

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
YIW 21	-	4 885 kHz	F1B	50 bauds	5 kW
YIW 71	-	7 475 kHz	F1B	50 bauds	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSIQ01	ORBS(3)	
		CUIQ01	ORBS(3)	
		SDIQ20	ORBS(3)	
		SPIQ20	ORBS(3)	
		WSIQ01	ORBS(3)	
		HH=00,06,12,18		
00,12	HH+20-30	UEIQ01	ORBS	
		UKIQ01	ORBS	
		ULIQ01	ORBS	
		USIQ01	ORBS	
HH	HH+20-30	SMIQ01	ORBS	
		SMIQ20	ORBS	
		UGIQ20	ORBS	
		UPIQ01	ORBS	
	HH+70-85	FCIQ20(1)	ORBS	
		HH=03,09,15,21		
	HH+20-30	SIIQ21	ORBS	
HH	HH+20-30	SIIQ20	ORBS	
	HH+70-85	FCIQ20	ORBS(1)	
		FTIQ20(2)	ORBS	

(1) TAF valid for 9 hours.
(2) TAF valid for 18 hours.
(3) Reports broadcasted in emergency cases.

Centre: Macao

Area in which the broadcast is received: Hong Kong

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
XXF 30	-	5 240 kHz	A1A	-	200 W
XXF 55	-	10 717 kHz	A1A	-	200 W

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	0605	CSMU01	VHHH	
		HH=00,06,12,18		
HH	HH+05	SMMU20	VHHH	
		HH=03,09,15,21		
HH	HH+05	SIMU20	VHHH	

Centre: Ulan-Bator

Area in which the broadcast is received: Tokyo, Novosibirsk

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
JBA 4 - JVZ	-	6 800 kHz	F1B	-	25 kW
JTM -JVZ	-	3 865 kHz	F1B	-	25 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
HH	HH+25	SMMO01	MNUB	
		SMMO02	MNUB	
		HH=00,12		
HH	HH+205	UKMO01	MNUB	
		USMO01	MNUB	
		HH=03,09,15,21		
HH	HH+25	SIMO20	MNUB	
		SIMO21	MNUB	

Centre: Karachi

Area in which the broadcast is received: Region II

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
ARA	-	19 683 kHz	F1B	50 bauds	3 kW
ARA	-	11 510 kHz	F1B	50 bauds	3 kW
ARA	-	9 110 kHz	F1B	50 bauds	3 kW
ARA	-	5 290 kHz	F1B	50 bauds	3 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSPK01	OPKC(1)	
		CUPK01	OPKC(1)	
		HH=00,06,12,18		
00,12	HH+150-169	UEPK01	OPKC	
		UKPK01	OPKC	
		ULPK01	OPKC	
		USPK01	OPKC	
06,12,18	HH+150-169	UGPK20	OPKC	
		UPPK01	OPKC	
HH	HH+150-169	CSPK01	OPKC	
		CUPK01	OPKC	
		SMPK01	OPKC	
		SMPK20	OPKC	
		SMVB01	OPKC	
		UGPK40	OPKC	
		UPPK40	OPKC	
HH	HH+30-39	SDPK20	OPKC	
		SMPK01	OPKC	
		SMPK40	OPKC	
		SMVB01	OPKC	
06,12,18	HH+75-99	UGPK20	OPKC	
		UPPK01	OPKC	
HH	HH+75-99	SMPK01	OPKC	
		SMPK20	OPKC	
		SMPK40	OPKC	
		SMVB01	OPKC	
		UGPK40	OPKC	
		UPPK40	OPKC	
		WWPK20	OPKC	
		HH=03,09,15,21		
00,12	HH+150-169	UEPK01	OPKC	
		UKPK01	OPKC	
		UKPK01	OPKC	
		USPK01	OPKC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
HH	HH+150-169	SIPK20	OPKC	
		SIPK21	OPKC	
		SIPK40	OPKC	
00,12	HH+30-49	UEPK01	OPKC	
		UKPK01	OPKC	
		ULPK01	OPKC	
		USPK01	OPKC	
HH	HH+30-49	SDPK20	OPKC	
		SIPK20	OPKC	
		SIPK21	OPKC	
		SIPK40	OPKC	
00,12	HH+75-99	UEPK01	OPKC	
		UKPK01	OPKC	
		ULPK01	OPKC	
		USPK01	OPKC	
HH	HH+75-99	SIPK20	OPKC	
		SIPK21	OPKC	
		SIPK40	OPKC	

Notes:
(a) Storm warnings "in clear (English)" included in meteorological bulletins.
(b) Earthquake reports included in meteorological bulletins.
(c) RTD messages are transmitted immediately they are available and are also repeated at the next schedules transmission time.

(1) 4th of each month.

Centre: Seoul

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
HLL 2	0000-2400	5 810 kHz	A1A	-	1 kW
HLL 3	0000-0900	11 620 kHz	A1A	-	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	2330	CSKO01(1)	RKSL	
	2350	CUKO01(1)	RKSL	
		HH=00,06,12,18		
HH	HH+30-40	SMKO01	RKSL	
		SMKO03	RKSL	
HH	HH+45-55	SMKO02	RKSL	
		SMKO04	RKSL	
		HH=00,12		
HH	HH+00-20	FZKO20	RKSL	
		HH=03,09,15,21		
HH	HH+30-40	SIKO20	RKSL	
		SIKO21	RKSL	
HH	HH+45-55	SIKO22	RKSL	

(1) On the 4th of each month, on the 5th is the 4th is a Sunday.

Centre: Jeddah

Area in which the broadcast is received: Arabian Peninsula - Cairo - New Delhi - Middle East

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
HZN 46	2100-0400	4 570 kHz	F1B	100 bauds	10 kW
HZN 47	1800-0500	7 625 kHz	F1B	100 bauds	10 kW
HZN 48	0000-2400	10 215 kHz	F1B	100 bauds	10 kW
HZN 49	0400-2100	17 590 kHz	F1B	100 bauds	10 kW
HZN 50	0500-1800	23 370 kHz	F1B	100 bauds	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSBN10	OBBI(2)	
		CSER10	OMAA(2)	
		CSKW10	OKBK(2)	
		CSOM10	OOMS(2)	
		CSQT10	OTBD(2)	
		CSSD10	OEJD(2)	
		CSYE10	OYSN(2)	
		CUER10	OMAA(2)	
		CUKW10	OKBK(2)	
		CUOM10	OOMS(1)	
		CUQT10	OTBD(2)	
		CUSD10	OEJD(2)	
		CUYE10	OYSN(2)	
	As available	CSER10	OMAA	
		CSIQ01	ORBS(1)	
		CSIR01	OIII(2)	
		CUIQ01	ORBS(1)	
		CUIR01	OIII(1)	
		FCYE20	OYSN	
		FQER20	OMAA	
		FQQT20	OTBD	
		FRAR21	OBBI	
		FTYE20	OYSN(2)	
		NOXX01	LSSW	
		SAYE20	OYSN	
		SCBN21	OBBI	
		SPBN21	OBBI	
		SPER21	OMAA	
		SPKW21	OKBK	
		SPOM21	OOMS	
		SPQT21	OTBD	
		SPSD21	OEJD	
		SPYE21	OYSN	
		TBUS01	KWBC	
		TBUS02	KWBC	
		TBXN10	RUMS	
		TCIO10	KWBC	
		TCIO11	KWBC	
		UAAS10	OEJD	

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		UAYE01	OYSN	
		WSBN20	OBBI	
		WSER20	OYSN	
		WSKW20	OKBK	
		WSSD20	OEJD	
		WSYE20	OYSN	
		WTIN20	DEMS	
		WWIN40	DEMS	
		WWQT20	OTBD	
		WWSD20	OEJD	
		H=00,03,06,09,12,15,18,21		
H	H	SXSD41	OEJD	
		H=00-24		
H	H+10	SABN20	OBBI	
		SAER20	OMAA	
		SAKW20	OBBI	
		SAOM20	OOMS	
		SAQT20	OTBD	
		SASD20	OEJD	
		SAYE20	OYSN	
H	H+30	SAAR40	OEJD	
		H=04,10,16,22		
H	H	FTBN21	OBBI	
		FTER21	OMMA	
		FTKW21	OKBK	
		FTOM21	OOMS	
		FTQT21	OTBD	
		FTSD22	OEJD	
		FTYE20	OYSN	
H	H+30	FTAR40	OEJD	
		H=05,17		
H	H+75	FQSD20	OEJD	
		FQSD21	OEJD	
		FZSD20	OEJD	
		FZSD21	OEJD	
		H=08,20		
H	H	FRSD20(1)	OEJD	
		FRSD21(1)	OEJD	
		FRSD22(1)	OEJD	
		FRSD23(1)	OEJD	
H	H+15	FTSD40	OEJD	
		FTXX41	OEJD	
		FTXX42	OEJD	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
06,12,18	HH+00	SMGN02	GUCY	
HH	HH+00	SMAB01	ZATI	
		SMAH01	OAKB	
		SMAJ11	UBBB	
		SMAL01	DAMM	
		SMAL02	DAMM	
		SMBI01	HBBA	
		SMBJ01	DBBB	
		SMBM01	VBRR	
		SMBU01	LZSO	
		SMBX01	EBBR	
		SMBY01	UMMN	
		SMCD01	FTTJ	
		SMCE01	FEFF	
		SMCG01	FCBB	
		SMCM01	FKKD	
		SMCR01	GCLP	
		SMCV01	GVAC	
		SMCY01	LCLK	
		SMCZ10	OKPR	
		SMDJ01	HFFF	
		SMDL01	EDZW	
		SMDN01	EKMI	
		SMEG01	HECA	
		SMEG02	HECA	
		SMEG03	HECA	
		SMET01	HAAB	
		SMEU03	EGRR	
		SMFA01	EKMI	
		SMFI01	EFKL	
		SMFR01	LFPW	
		SMGB	GBYD	
		SMGG10	UGGG	
		SMGH01	DGAA	
		SMGI	EGRR	
		SMGN01	GUCY	
		SMGO01	FOOL	
		SMGR01	LGAT	
		SMGW01	GGOV	
		SMHU01	HABP	
		SMHV01	DHHH	
		SMIE01	EIDB	
		SMIN01	DEMS	
		SMIN02	DEMS	
		SMIN03	DEMS	
		SMIN04	DEMS	
		SMIN05	DEMS	
		SMIQ01	ORBS	
		SMIR01	OIII	
		SMIR02	OIII	
		SMIS01	LLBD	
		SMIY01	LIIB	
		SMJD01	OJAM	
		SMKN01	HKNC	
		SMLB01	OLBA	
		SMLI01	GLRB	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,06,12,18	
		SMLY01	HLLT	
		SMMA01	FIMP	
		SMMC01	GMMC	
		SMMC02	GMMC	
		SMMD01	LPMG	
		SMMI01	GABS	
		SMMIV01	DIAP	
		SMML01	LMMM	
		SMMT01	GQNN	
		SMNI01	DNKK	
		SMNL10	EHDB	
		SMNO11	ENMI	
		SMNP01	VNKT	
		SMNR01	DRRN	
		SMOS01	LOWM	
		SMPK01	OPKC	
		SMPL01	SOWR	
		SMPO01	LPMG	
		SMRA12	RUNW	
		SMRA13	RUNW	
		SMRA14	RUNW	
		SMRE01	FMEE	
		SMRO01	YRBK	
		SMRS10	RUMS	
		SMRS11	RUMS	
		SMRW01	HRYR	
		SMSB01	VCCC	
		SMSC01	FSSS	
		SMSG01	GOOY	
		SMSI01	HCMM	
		SMSL01	GFLL	
		SMSN01	ESWI	
		SMSP01	LEMM	
		SMSU01	HSSS	
		SMSU02	HSSS	
		SMSW01	LSSW	
		SMSY01	OSDI	
		SMTG01	DXXX	
		SMTN01	HTDA	
		SMTP01	FPST	
		SMTS01	DTAA	
		SMTU01	LTAA	
		SMUG01	HUEN	
		SMUG02	HUEN	
		SMUK01	EGRR	
		SMUR10	UKMS	
		SMUZ10	UTTW	
		SMYE10	OYSN	
		SMYG10	LYBM	
		SMZR01	FZAA	
HH	HH+15	SMKW10	OKBK	
		SMQT10	OTBD	
		SMSD10	OEJD	
		SMSD12	OEJD	
		SMVA11	OEJD	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
HH	HH+30	SMBN10	OBBI	
		SMER10	OMAA	
		SMOM10	OOMS	
		SMYE10	OYSN	
		HH=00,12		
HH	HH+120	UEER10	OMAA	
		UEOM10	OOMS	
		UEYE10	OYSN	
		UKER10	OMAA	
		UKOM10	OOMS	
		UKYE10	OYSN	
		ULER10	OMAA	
		ULOM10	OOMS	
		ULYE10	OYSN	
		USER10	OMAA	
		USOM10	OOMS	
		USYE10	OYSN	
12	HH+130	UEYE10	OYSN	
		UGYE20	OYSN	
		UHYE10	OYSN	
		UKYE10	OYSN	
		ULYE10	OYSN	
		UPBI01	HBBA	
		UPDJ01	HFFF	
		UPEG05	HECA	
		UPGB01	GBYD	
		UPGN01	GUCY	
		UPJD01	OJAM	
		UPKN01	HKNC	
		UPLI01	GLRB	
		UPTN01	HTDA	
		UPYE10	OYSN	
		USCV01	GVAC	
		USCY01	LCLK	
		USDL02	EDZW	
		USET01	HAAB	
		USGH01	DGAA	
		USMT01	GQNN	
		USRE01	FMEE	
		USSB01	VCCC	
		USYE10	OYSN	
1200	HH+130	USCE01	FEFF	
HH	HH+130	UEIQ01	ORBS	
		UGIQ20	ORBS	
		UKIQ01	ORBS	
		ULIQ01	ORBS	
		UPAL01	DAMM	
		UPAL02	DAMM	
		UPBJ01	DBBB	
		UPBM01	VBRR	
		UPBU01	LZSO	
		UPCD01	FTTJ	
		UPCE01	FEFF	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,12	
		UPCG01	FCBB	
		UPCM01	FKKD	
		UPCY01	LCLK	
		UPDL01	EDZW	
		UPDL02	EDZW	
		UPDL03	EDZW	
		UPEG01	HECA	
		UPEG02	HECA	
		UPEG06	HECA	
		UPGH01	DGAA	
		UPGO01	FOOL	
		UPHV01	DHHH	
		UPIQ01	ORBS	
		UPIS01	LLBD	
		UPIV01	DIAP	
		UPMA01	FIMP	
		UPMC01	GMMC	
		UPMI01	GABS	
		UPMT01	GQNN	
		UPNI01	DNKK	
		UPNR01	DRRN	
		UPPK01	OPKC	
		UPPO01	LPMG	
		UPRE01	FMEE	
		UPRO01	YRBK	
		UPSB01	VCCC	
		UPSC01	FSSS	
		UPSG01	GOOY	
		UPSL01	GFLL	
		UPSU01	HSSS	
		UPTG01	DXXX	
		UPTP01	FPST	
		UPTS01	DTTA	
		UPUG01	HUEN	
		UQYE20	OYSN	
		USAH01	OAKB	
		USAL01	DAMM	
		USAL02	DAMM	
		USBM01	VBRR	
		USBU01	LZSO	
		USBU01	LZSO	
		USBX01	EBBR	
		USBX01	EBSH	
		USBX01	EBSH	
		USBY10	UMMN	
		USCE01	FEFF	
		USCM01	FKKD	
		USCR01	GCXO	
		USCR01	GCXO	
		USCZ10	OKPR	
		USDL01	EDZW	
		USDL03	EDZW	
		USDN01	EKMI	
		USEG01	HECA	
		USFA01	EKMI	
		USFI01	EFKL	

Time Group	Transmission Time	TTAAii	CCCC	Details

HH=00,12

USFI02	EFKL
USFI03	EFKL
USFR01	LFPW
USGI01	EGRR
USGR01	LGAT
USHU01	HABP
USHU01	HABP
USIE01	EIDB
USIN01	DEMS
USIN02	DEMS
USIQ01	ORBS
USIR01	OIII
USIS01	LLBD
USIV01	DIAP
USIY01	LIIB
USJD01	OJAM
USKN01	HKNC
USLB01	OLBA
USLT10	UMWW
USLY01	HLLT
USMC01	GMMC
USMD01	LPMG
USMI01	GABS
USNI01	DNKK
USNL01	EHDB
USNO11	ENMI
USNO12	ENMI
USNO13	ENMI
USNP01	VNKT
USNR01	DRRN
USOS01	LOWM
USPK01	OPKC
USPL01	SOWR
USPO01	LPMG
USRA10	RUNW
USRA11	RUNW
USRA13	RUNW
USRA14	RUNW
USRA16	RUNW
USRO01	YRBK
USRS10	RUMS
USRS11	RUMS
USRS12	RUMS
USRS13	RUMS
USRS14	RUMS
USRS15	RUMS
USRS16	RUMS
USRS17	RUMS
USSC01	FSSS
USSG01	GOOY
USSN01	ESWI
USSN03	ESWI
USSN05	ESWI
USSN06	ESWI
USSO01	LEMM
USSU01	HSSS

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		USSW01	LSSW	
		USSY01	OSDI	
		USTN01	HTDA	
		USTR10	UTAA	
		USTS01	DTTA	
		USTU01	LTAA	
		USUG01	HUEN	
		USUK01	EGRR	
		USUR10	UKMS	
		USUZ10	UTTW	
		USYG01	LYBM	
		USZR01	FZAA	
HH	HH+90	UEKW10	OKBK	
		UEQT10	OTBD	
		UESD10	OEJD	
		UESD12	OEJD	
		UKKW10	OKBK	
		UKQT10	OTBD	
		UKSD10	OEJD	
		UKSD12	OEJD	
		ULKW10	OKBK	
		ULQT10	OTBD	
		ULSD10	OEJD	
		ULSD12	OEJD	
		USKW10	OKBK	
		USQT10	OTBD	
		USSD10	OEJD	
		HH=03,09,15,21		
03	HH+00	SIEG20	HECA	
		SIEG23	HECA	
03,21	HH+00	SIIQ20	ORBS	
09,15	HH+00	SIEG25	HECA	
		SIEG26	HECA	
09,15,21	HH+00	SIEG22	HECA	
21	HH+00	SIEG24	HECA	
HH	HH+00	SIAH20	OAKB	
		SICY20	LCLK	
		SIEG21	HECA	
		SIIQ21	ORBS	
		SIIR20	OIII	
		SIIR21	OIII	
		SIIR22	OIII	
		SIIS21	LLBD	
		SIIY20	LIIB	
		SIJD20	OJAM	
		SILB20	OLBA	
		SILY20	HLLT	
		SIML20	LMMM	
		SIPK20	OPKC	
		SISU21	HSSS	
		SISU22	HSSS	
		SISY20	OSDI	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
		SITU20	LTAA	
		SIYE20	OYSN	
HH	HH+15	SIKW20	OKBK	
		SIQT20	OTBD	
		SISD20	OEJD	
		SISD21	OEJD	
		SIVA20	OEJD	
HH	HH+30	SIBN20	OBBI	
		SIER20	OMAA	
		SIOM20	OOMS	
		SIYE20	OYSN	
HH	HH+60	SIAR20	OEJD	
		USSD12	OEJD	
		HH=06,18		
HH	HH+120	UGER20	OMAA	
		UHER10	OMAA	
		UHER20	OMAA	
		UPER10	OMAA	
		UQER20	OMAA	
HH	HH+90	UGKW10	OKBK	
		UPKW10	OKBK	

(1) FR bulletins only during Hadj season.
(2) 4th and 5th of each month

NOTES:
The RTH Jeddah uses a computer operated message switching system. The bulletins and messages are transmitted according to the priority rule "first in-first out". The times of transmission given in the schedule are therefore only an indication.

Centre: Bangkok (Nonthaburi) Meteorological

Area in which the broadcast is received: 40°N-70°E, 40°N-170°E, 10°S-70°E, 10°S-170°E

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
HSW 61	-	17 520 kHz	F1B	50 bauds	10 kW
HSW 62	-	10 298 kHz	F1B	50 bauds	3 kW
HSW 63	-	10 169 kHz	F1B	50 bauds	3 kW
HSW 64	-	7 395 kHz	F1B	50 bauds	3 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	As available	CSBM01	VBBR	
		CSHK01	VHHH	
		CSIN01	DEMS	
		CSJP01	RJTD	
		CSKP01	VDPP	
		CSLA01	VLIV	
		CSPH01	RPMM	
		CSSB01	VCCC	
		CSTH01	VTBB	
		CSVS01	VNNN	
		CUBM01	VBRR	
		CUHK01	VHHH	
		CUJP01	RJTD	
		CULA01	VLIV	
		CUPH01	RPMM	
		CUTH01	VTBB	
		CUVS01	VNNN	
		NOXX01	LSSW	
		SEID01	WIIX	
		SEMS01	WMKK	
		SETH01	VTBB	
		TBUS01	KWBC	
		TBUS02	KWBC	
		UIN01	DEMS	
		WTBM20	VBRR	
		WTIN20	DEMS	
		WTPH01	RPMM	
		WTSR20	WSSS	
		WTTH20	VTBB	
		H=0000-1200		
H	H+20-90	SDTH20	VTBB	
		HH=00,06,12,18		
	As available	USPH02	RPMM	
HH	As available	SMVX01	VHHH	
		SMVX02	RPMM	
		ULHK01	VHHH	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		ULPJ01	RJTD	
		USCI01	BABJ	
		USCI02	BABJ	
		USHK01	VHHH	
		USPA01	RJTD	
		USPH01	RPMM	
		UTPA01	RJTD	
		WWJP20	RJTD	
00,12	HH+200-400	UETH01	VTBB	
		UKTH01	VTBB	
		ULTH01	VTBB	
		USTH01	VTBB	
HH	HH+200-400	SMBM01	VBRR	
		SMPA01	RJTD	
		SMPH02	RPMM	
		SMVB01	VHHH	
		SMVE01	VHHH	
		SMVX01	RPMM	
		UGBM20	VBRR	
		UGHK20	VHHH	
		UGJP20	RJTD	
		UGKP20	VDPP	
		UGSB20	VBRR	
		UHHK01	VHHH	
		UHID01	VBRR	
		UHMS01	WMKK	
		UHSR01	WSSS	
		UHTH01	VTBB	
		ULAA01	VLIV	
		ULBM01	VBRR	
		ULID01	WIIX	
		ULMS01	WMKK	
		ULSR01	VBRR	
		UPBM01	VBRR	
		UPHK01	VHHH	
		UPIN01	VBRR	
		UPIN40	DEMS	
		UPKP01	VDPP	
		UPSB01	VCCC	
		UQID20	WIIX	
		UQMS20	WMKK	
		UQSR01	VBRR	
		UQTH01	VTBB	
		USBM01	VBRR	
		USID01	WIIX	
		USIN01	VBRR	
		USLA01	VLIV	
		USMS01	WMKK	
		USPH01	RPMM	
		USSB01	VCCC	
		USSR01	WSSS	
		USVS01	VNNN	
HH	HH+20-90	SMCI01	BABJ	
		SMCI02	BABJ	
		SMHK01	VHHH	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		SMJP01	RJTD	
		SMKP01	VDPP	
		SMLA01	VLIV	
		SMMS01	WMKK	
		SMPH01	RPMM	
		SMRS01	WSSS	
		SMTH01	VTBB	
		SMTH02	VTBB	
		SMVS01	VNNN	
		SMVS02	VNNN	
		SMVX11	RJTD	
		SMVX12	RJTD	
		SMVX13	RJTD	
		SMVX14	RJTD	
		SNWB11	RJTD	
		UGTH20	VTBB	
		UPTH01	VTBB	
HH	HH+90-120	SMID01	WIIX	
		SMIN01	DEMS	
		SMSB01	VCCC	
		SMVB01	VTBB	
		SMVE01	WIIX	
		SMVE01	WMKK	
		SMVX01	WSSS	
		UGID01	WIIX	
		UGMS20	WMKK	
		UGPH20	RPMM	
		UGSR20	WSSS	
		UGVS20	VNNN	
		UPID01	WIIX	
		UPLA01	VLIV	
		UPMS01	WMKK	
		UPPH01	RPMM	
		UPSR01	WSSS	
		UPVS01	VNNN	
		USPJ01	RJTD	
		HH=03,09,15,21		
HH	HH+120-180	SIBM20	VBRR	
HH	HH+20-90	SIID20	WIIX	
		SIKP20	VDPP	
		SILA20	VLIV	
		SIMS20	WMKK	
		SIPH20	RPMM	
		SISR20	WSSS	
		SITH20	VTBB	
		SITH21	VTBB	
		SIVS20	VNNN	
HH	HH+90-120	SIIN20	DEMS	
		SIIN21	DEMS	
		SIIN22	DEMS	
		SIIN23	DEMS	
		SIIN24	DEMS	
		SISB20	VCCC	

Time Group	Transmission Time	TTAAii	CCCC	Details
				HH=03,09,15,21

Centre: Tashkent

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

II. CONTENTS OF BROADCAST SHEDULES

Centre: Aden

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
7OC	-	7 340 kHz	F1B	-	5 kW
7OC	-	11 005,5 kHz	F1B	-	5 kW
7OC	-	17 393 kHz	F1B	-	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		H=00-24		
H	H+00	SAYE20	OYSN	
		WSYE20	OYSN	
		HH=00,06,12,18		
	HH+30-50(1); HH+90-120(1)	UAYE10	OYSN	
00,12	HH+30-50(1) HH+90-120(1)	UEYE10	OYSN	
		UKYE10	OYSN	
	HH+30-50(1); HH+90-120(1)	ULYE10	OYSN	
		USYE10	OYSN	
12	HH+30-50(1) HH+90-120(1)	CSYE10	OYSN	
	HH+30-50(1); HH+90-120(1)	CUYE10	OYSN	
	HH+30-50(1) HH+90-120(1)	UGYE20	OYSN	
	HH+30-50(1); HH+90-120(1)	UHYE10	OYSN	
		UPYE10	OYSN	
		UQYE20	OYSN	
HH	HH+30-50(1); HH+90-120(1)	FCYE20	OYSN	
		FTYE20	OYSN	
		SMVX01	OYSN	
	HH+30-50(1) HH+90-120(1)	SMYE10	OYSN	
		HH=03,09,15,21		
	HH+30-50(1); HH+90-120(1)	FCYE20	OYSN	
		FTYE20	OYSN	
		SIYE20	OYSN	

(1) Rebroadcast of selected stations as available from Ethiopia, Somalia and East Africa.

Centre: Servicio de comunicaciones navales

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
OBC	-	490 kHz	A1A	-	1 kW
OBC	-	8 650 kHz	A1A	-	1 kW
OBC	-	12 307 kHz	A1A	-	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	0200, 1600, 2100(1)	CSPR01	SPIM	
		CUPR01	SPIM	
		HH=00,12,18		
00	0200	SMPR01	SPIM	
12	0200	UGPR20	SPIM	
		UHPR01	SPIM	
		UPPR01	SPIM	
		UQPR20	SPIM	
12	1600	SMPR01	SPIM	
		UEPR01	SPIM	
		UKPR01	SPIM	
		ULPR01	SPIM	
		USPR01	SPIM	
00	2100	UGPR20	SPIM	
		UHPR01	SPIM	
		UPPR01	SPIM	
		UQPR20	SPIM	
12	2100	UEPR01	SPIM	
		UKPR01	SPIM	
		ULPR01	SPIM	
		USPR01	SPIM	
18	2100	SMPR01	SPIM	

The broadcast is omni directional.

(1) 5th of each month.

Centre: Villa

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
OAB 41	-	13 415 kHz	A1A	-	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	0045, 1345, 1900(1)	CSPR01	SPIM	
		CUPR01	SPIM	
		HH=00,12,18		
00	0045	SMPR01	SPIM	
12	0045	UGPR20	SPIM	
		UHPR01	SPIM	
		UPPR01	SPIM	
		UQPR20	SPIM	
12	1345	SMPR01	SPIM	
		UEPR01	SPIM	
		UKPR01	SPIM	
		ULPR01	SPIM	
		USPR01	SPIM	
00	1900	UGPR20	SPIM	
		UHPR01	SPIM	
		UPPR01	SPIM	
		UQPR20	SPIM	
12	1900	UEPR01	SPIM	
		UKPR01	SPIM	
		ULPR01	SPIM	
		USPR01	SPIM	
18	1900	SMPR01	SPIM	

The broadcast is omni directional

(1) 5th of each month.

Centre: Ixtapalapa Mexico, D.F.

Area in which the broadcast is received: Territorial broadcast including coastal areas

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
XDD	-	13 043 kHz	A3E	-	1 kW
XDP	-	4 800 kHz	A1A	-	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSMX01	KWBC(7)	
		CUMX01	KWBC(7)	
		HH=00,12		
	2000	WTMX01	KWBC(1)	
1800	2000	FSMX01	KWBC(3)(6)	
1830	2000	SMMX01	MMMX(2)	
	HH+180	WTMX41	KWBC(1)	
00	HH+180	FSMX01	KWBC(3)(4)	
12	HH+180	FSMX01	KWBC(3)(5)	
HH	HH+180	UEMX01	KWBC(2)	
		UKMX01	KWBC(2)	
		ULMX01	KWBC(2)	
HH+30	HH+180	SMMX01	MMMX(2)	

Phone emissions follow cw transmissions

(1) Storm/cyclone warnings in clear (Spanish).
(2) As available.
(3) Forecasts for the eastern and western coasts of Mexico, the Yucatan Peninsula and the coastal waters.
(4) Valid for 24 hours.
(5) Valid for 12 hours.
(6) Valid for 36 hours.
(7) On the 5th or 6th of each month.

Centre: Tacubaya, D.F.

Area in which the broadcast is received: Territorial broadcast including coastal areas

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
XBA	-	6 976,8 kHz	A1A/A3E	-	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
1230	1800	FSMX01	KWBC	(2)(5)
		WTMX41	KWBC	(1)
0030	HH+180	FSMX01	KWBC	(2)(3)
1230	HH+180	FSMX01	KWBC	(2)(4)
HH+30	HH+180	WTMX41	KWBC	(1)

(1) Storm/cyclone warnings in clear (Spanish).
(2) Forecasts for Mexico and coastal waters: mountain slopes on the Pacific coast, mountain slopes on the Gulf of Mexico, Yucatan Peninsula, Central and Northern Plateau.
(3) Valid for 24 hours.
(4) Valid for 12 hours.
(5) Valid for 36 hours.

Centre: Miami, FL (1)

Area in which the broadcast is received: From the broadcast point to Equator and from 50°W to 120°W

Web Link: Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
WBR	-	16 440 kHz	F1B	1.1	15 kW
WBR	-	14 395 kHz	F1B	1.1	15 kW
WBR	-	10 950 kHz	F1B	1.1	15 kW
WBR	-	8 130 kHz	F1B	1.1	15 kW
WBR	-	3 235 kHz	F1B	1.1	15 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details

Bulletins transmitted as available

ABCA01	KNHC
AXCA20	KMIA
FANT01	KWBC
FBAG20	SABM
FBAG21	SABM
FBBZ20	SBBR
FBCA14	KWBC
FBCA22	KWBC
FBCA24	KWBC
FBCA24	KWBC
FBCA26	KWBC
FBCA28	KWBC
FBNA22	KWBC
FBNT22	KWBC
FBNT24	KWBC
FBNT30	KWBC
FBNT32	KWBC
FTBZ20	SBBR
FTCA01	TJNR
FTCA31	MZBZ
FTCN31	CWAO
FTCN32	CWAO
FTMF20	TFFR
FTMR20	TFFF
FXNA01	KWBC
FXTN01	KWBC
SDCA01	TJSJ
SMPF20	TFFR
SMSM20	SMZY
SPBA20	MYNN
SPCA31	MZBZ
SPCA31	TNCC
SPFG20	SOCA
SPMR20	TFFF
SPNM31	TNCM
SPTD20	TTPP
UACA01	TTPP
UACA01	TJSJ
UACA01	KWBC
UACO01	SKBO

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins transmitted as available		
		UAFG01	SOCA	
		UANT01	TTPP	
		UANT01	KWBC	
		UANT01	TFFR	
		UANT01	SOCA	
		UANU01	TNCC	
		UANU01	TNCC	
		WACA01	TJSJ	
		WOCA41	KMIA	
		WSCA20	TJSJ	
		WSCA20	KNHC	
		WSCA20	TTPP	
		WSFG20	SOCA	
		WSNU20	TNCC	
		WTCA21	KMIA	
		WTCA22	KMIA	
		WTCA23	KMIA	
		WTCA24	KMIA	
		WTCA25	KMIA	
		WTCA31	KMIA	
		WTCA32	KMIA	
		WTCA33	KMIA	
		WTCA34	KMIA	
		WTCA35	KMIA	
		H=00-24		
H	H+00-15	SABA20	MYNN	
		SABE	TXXF	
		SACA31	TNCC	
		SAMF20	TFFR	
		SAMN31	TNCM	
H	H+16-30	SATD20	TTPP	
H	H+31-45	SACA01	TJSJ	
		SACA20	KWBC	
		SACA20	MROC	
		SACO20	SKBO	
		SAES20	MSLP	
		SAFG20	SOCA	
		SAMR20	TFFF	
		SAVN20	SVBS	
H	H+46-60	SACA31	MZBZ	
		SAMX01	MMMX	
		SASM20	SMZY	
		SAVN20	SVBS	
		SAVN21	SVBS	
		SMMX03	MMMX	
		HH=00,12 (HH)=03,15		
HH	H+105-120	FUCA01	KWBC	
		FUUS04	KWBC	
		FXTN01	KWBC	
2300,1100	H+150-165	FASA20	TTPP	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12 (HH)=03,15		
HH	H+150-165	FTCA20	TTPP	
		FTCO20	SKBO	
		FTSA20	TTPP	
HH	H+166-180	FANT02	KWBC	
HH	H+195-210	FTCA33	TJSJ	
HH	H+211-225	FACA20	KNHC	
		FTCA31	TJSJ	
HH	H+226-240	FTCA31	MHTG	
		FTCA32	TJSJ	
		FTUS31	KDCA	
HH	H+241-255	FTUS31	KBUF	
		FTUS31	KPDX	
HH	H+256-270	FTCN31	CWAO	
		FTFG20	SOCA	
		FTMC31	GMMC	
		FTUS31	KBOS	
		FTUS31	KJFK	
HH	H+271-285	FTCN32	CWAO	
		FTCN33	CWAO	
		FTCN34	CWAO	
		FTUS31	KCAE	
		FTUS31	KPHL	
HH	H+286-300	FABA20	MYNN	
		FTCV20	GVAC	
		FTUS31	KPIT	
		FTUS31	KATL	
		FTUS31	KSEA	
		FTUS31	KMKE	
		FTUS31	KALB	
		FTUS31	KLAX	
		FTUS31	KARB	
		FTUS31	KIND	
HH	H+301-315	FTUS31	KFMW	
		FTUS31	KFTW	
HH	H+30-45	FTVN20	SVMI	
HH	H+316-330	FTBE31	TXKF	
		FTUS31	KCLE	
		FTUS31	KCHI	
HH	H+331-345	FAVN20	SVMI	
		FTBA20	MZNN	
		FTSM20	SMZY	
		FTUS31	KNEW	
HH	H+346-360	FTUS31	KSAT	
		HH=06,18 (HH)=09,21		
0000-1200	H+105-120	FUUS04	KWBC	
		FXTN01	KWBC	
HH	H+105-120	FUCA01	KWBC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=06,18 (HH)=09,21		
HH	H+150-165	FTAS20	TTPP	
HH	H+150-165§	FTCA20	TTPP	
HH	H+166-180	FANT02	KWBC	
		FSUS04	KWBC	
HH	H+195-210	FACA01	MHTG	
		FACO20	SKBO	
		FTCA33	TJSJ	
HH	H+211-225	FACA20	KNHC	
HH	H+226-240	FTCA31	TJSJ	
		FTCA31	MHTG	
		FTCA32	TJSJ	
		FTUS31	KDCA	
HH	H+241-255	FTCO20	SKBO	
		FTUS31	KBUF	
		FTUS31	KPDX	
HH	H+256-270	FTCN31	CWAO	
		FTFG20	SOCA	
		FTMC31	GMMC	
		FTUS31	KBOS	
		FTUS31	KJFK	
HH	H+271-285	FTCN32	CWAO	
		FTCN33	CWAO	
		FTCN34	CWAO	
		FTUS31	KCAE	
		FTUS31	KPHL	
HH	H+286-300	FTCV20	GVAC	
		FTUS31	KPIT	
		FTUS31	KMKE	
		FTUS31	KATL	
		FTUS31	KSEA	
		FTUS31	KARB	
		FTUS31	KALB	
		FTUS31	KLAX	
		FTUS31	KIND	
HH	H+301-315	FTUS31	KFWM	
		FTUS31	KFTW	
HH	H+30-45	FTVN20	SVMI	
HH	H+316-330	FTBE31	TXKF	
		FTUS31	KCHI	
		FTUS31	KCLE	
HH	H+331-345	FAVN20	SVMI	
		FTBA20	MYNN	
		FTSM20	SMZY	
		FTUS31	KNEW	
HH	H+346-360	FTUS31	KSAT	
1800	H+76-90	FUNT05	KWBC	

Centre: Miami, FL (2)

Area in which the broadcast is received: From the broadcast point to 40°S and from 30°W to 105°W

Web Link: Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
WBR	-	18 765 kHz	F1B	1.1	15 kW
WBR	-	13 624 kHz	F1B	1.1	15 kW
WBR	-	8 140 kHz	F1B	1.1	15 kW
WBR	-	4 061.5 kHz	F1B	1.1	15 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details

Bulletins transmitted as available H=00-24; HH=00,06,12,18

AHXN01	KWBC
AHXN02	KWBC

Bulletins transmitted as available: H=00-24; HH=00,06,12,18

ABCA01	KNHC
AHXN03	KWBC
AHXN04	KWBC
CONT01	KWBC
COPN01	KWBC
CSAA01	KWBC
CSBE01	TXKF
CSCA01	TJSJ
CSCN01	CWAO
CUAA01	KWBC
CUBE02	TXKF
CUCN01	CWAO
CUCN01	CWAO
CUCN02	CWAO
CUCN03	CWAO
CUCN04	CWAO
CUCN05	CWAO
CUCN06	CWAO
CUCN07	CWAO
CUCN08	CWAO
CUCN09	CWAO
CUCN10	CWAO
CUCN11	CWAO
CUXX01	KWBC
CUXX02	KWBC
CUXX03	KWBC
CUXX04	KWBC
CUXX05	KWBC
CUXX06	KWBC
CUXX07	KWBC
CUXX08	KWBC
FZPN03	KNHC
FZPN04	KNHC
NOXX01	LSSW
SDCA01	TJSJ

Time Group	Transmission Time	TTAAii	CCCC	Details

Bulletins transmitted as available: H=00-24; HH=00,06,12,18

SDFG20	SOCA
SDMF20	TFFR
SDMR20	TFFF
SDNU20	TNCC
SDSM20	SMZY
SICN30	CWAO
SIUK20	KWBC
SIVN21	SVBS
SMBZ08	SBBR
SMBZ09	SBBR
SMBZ10	SBBR
SMBZ11	SBBR
SMCA20	TJSJ
SMCN20	CWAO
SMFG01	SOCA
SMSA40	KWBC
SMSM01	SMZY
SMVA01	KWBC
SMVA01	KWBC
SMVB01	KWBC
SMVC01	SOCA
SMVC01	KWBC
SMVD01	TTPP
SMVD01	KWBC
SMVE01	KWBC
SMVJ01	KWBC
SMVX20	TJSJ
TWXN10	KWBC
TWXN11	KWBC
TWXN12	KWBC
TWXN20	KWBC
TWXN21	KWBC
UGCA20	MZBZ
UGCA20	MZBZ
UGFG20	SOCA
UGFG20	SOCA
UGMF20	TFFR
UGMF20	TFFR
UGMR20	TFFF
UGMR20	TFFF
UKBA01	MYNN
UKCA01	MROC
UKCA01	MROC
UKCA01	MZBZ
UKFG01	SOCA
UKMF01	TFFR
UKMR01	TFFF
UKSG01	GOOY
UKTD01	TTPP
UPFG01	SOCA
UPMF01	TFFR
UPSM01	SMZY
USBA01	MZNN
USEQ01	SEQU
USFG01	SOCA
USFG01	GOOY

Time Group	Transmission Time	TTAAii	CCCC	Details
				Bulletins transmitted as available: H=00-24; HH=00,06,12,18
		USFR01	LFPW	
		USMF01	TFFR	
		USSP01	LEMM	
		USTD01	TTFF	
		USVF01	EGRR	
		UZNT13	KWBC	
		UZNT13	KMHR	
		UZNT13	KNHC	
		UZPN13	KMHR	
		UZPN13	KNHC	
		UZPN13	KWBC	
		WOCA31	MZBZ	
		WOCA41	KMIA	
		WONT41	KNHC	
		WOPZ41	KNHC	
		WTCA21	KMIA	
		WTCA22	KMIA	
		WTCA23	KMIA	
		WTCA24	KMIA	
		WTCA25	KMIA	
		WTCA31	KMIA	
		WTCA32	KMIA	
		WTCA33	KMIA	
		WTCA34	KMIA	
		WTCA35	KMIA	
		WWPN31	KSFO	
		WWPN32	KSFO	
		WWPN33	KSFO	
		WWPN34	KSFO	
		WWPN35	KSFO	
1900		TBUS01	KWBC	
		TBUS02	KWBC	
HH		SMBX01	EBBR	
		SMCR01	GCLP	
		SMCZ01	OKPR	
		SMDL01	EDZW	
		SMDN01	EKMI	
		SMFA01	EKMI	
		SMGI01	EGRR	
		SMGL01	BGSF	
		SMHU01	HABP	
		SMIE01	EIDB	
		SMIL01	BIRK	
		SMIY01	LIIB	
		SMML01	LMMM	
		SMNL01	EHDB	
		SMNO11	ENMI	
		SMOS01	LOWM	
		SMPL01	SOWR	
		SMPO01	LPMG	
		SMPR01	LFPW	
		SMSN01	ESWI	
		SMSP01	LEMM	
		SMUK01	EGRR	
		SMUS20	KWBC	

Time Group	Transmission Time	TTAAii	CCCC	Details

Bulletins transmitted as available: H=00-24; HH=00,06,12,18

	SMVF01	EGRR
	SMVF01	LFPW
	SMVF02	LFPW
	SMVF03	LFPW
	SMVF03	ESWI
	SMWF03	ENMI
	SMYG10	LYBM
	URNT10	KNHC
	URNT10	KBIX
	URNT11	KWBC
	URNT11	KBIX
	URNT11	KNHC
	URNT12	KBIX
	URNT12	KWBC
	URNT12	KNHC
	URPN10	KWBC
	URPN10	KBIX
	URPN10	KNHC
	URPN11	KWBC
	URPN11	KNHC
	URPN11	KBIX
	URPN12	KBIX
	URPN12	KWBC
	URPN12	KNHC
	USDN01	EKMI
	USFA01	EKMI
	USFI01	EFKL
	USFI02	EFKL
	USGI01	EGRR
	USGL04	BGSF
	USGL05	BGSF
	USGL06	BGSF
	USGL07	BGSF
	USGL08	BGSF
	USIE01	EIDB
	USIL01	BIRK
	USNL01	EHDB
	USPO01	LPMG
	USUK01	EGRR
	USWF01	ENMI

HH=00,12 (HH)=03,15

HH	HH+00-15	SICA20	TNCC
		SMBE01	TXKF
		SMCA20	TJSJ
		SMMF01	TFFR
		SMPM01	MPTO
		SMTD01	TTPP
HH	HH+106-120	SMCO01	SKBO
		SMSM01	SMZY
		USSN03	ESWI
HH	HH+136-150	SMEQ01	SEQU
		USMX01	KWBC
		USUS02	KWBC

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12 (HH)=03,15		
		USUS04	KWBC	
HH	HH+151-165	SMPM01	MPTO	
		SMVN01	SVBS	
		USCA02	KWBC	
		USSN06	ESWI	
		USUS06	KWBC	
HH	HH+16-30	SMBA01	MYNN	
		SMCA21	TJSJ	
		SMMN01	TNCM	
		SMMR20	TFFF	
		SMMX01	MMMX	
		SMMX02	MMMX	
HH	HH+166-180	SMVN21	SVBS	
		USUS01	SVBS	
		USUS08	KWBC	
		USUS10	KWBC	
HH	HH+181-195	USUS03	KWBC	
		USUS05	KWBC	
		USUS07	KWBC	
HH	HH+196-210	USCA03	KWBC	
		USUS09	KWBC	
(HH)	HH+211-225	FSUS01	KWBC	
		SIBA20	MYNN	
		SIBA21	MYNN	
		SIEQ20	SEQU	
(HH)	HH+226-240	SIMF20	TFFR	
		SIMN20	TNCM	
HH	HH+226-240	USCA03	KWBC	
		USCO01	SKBO	
(HH)	HH+241-255	SINK21	MNMG	
HH	HH+241-255	ASNT20	KWBC	
		FSUS02	KWBC	
		SMVD15	KWBC	
		USEQ01	SEQU	
		USVN01	SVBS	
HH	HH+256-270	SMVD16	KWBC	
		SMVD17	KWBC	
(HH)	HH+286-300	SICA20	TNCC	
		SIVN20	SVBS	
		SIVN21	SVBS	
0230,1430	HH+301-315	FSNA20	KWBC	
HH	HH+301-315	ASUS01	KWBC	
HH	HH+31-45	SMBA20	MYNN	
		SMUS01	KWBC	
		SMUS02	KWBC	
		SMUS03	KWBC	
		SMUS04	KWBC	
		SMUS05	KWBC	
		UXTD01	TTPP	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12 (HH)=03,15		
(HH)	HH+316-330	FPCA01	TJSJ	
		SIBE20	TXKF	
		SIC021	SKBO	
		SICA20	MROC	
		SICA20	TJSJ	
		SICA21	TJSJ	
		SICA21	MZBZ	
		SIES20	MSLP	
		SIFG20	SOCA	
		SIVN20	SVBS	
(HH)	HH+331-345	SITD20	TJSJ	
0230,1430	HH+331-345	FPCA20	TJSJ	
0400	HH+331-345	FJZN01	KWWA	
(HH)	HH+346-360	SICA21	TJSJ	
		SIMR20	TFFF	
		SIMR21	TFFF	
	HH+46-60	SMMR01	TFFF	
HH	HH+46-60	SMCA40	KWBC	
		SMCA41	KWBC	
		SMCN04	CWAO	
		SMCN06	CWAO	
		SMFG01	SOCA	
		SMVD01	TNCC	
		SMVD01	KWBC	
HH	HH+61-75	SMVD01	TFFF	
		SMVN01	SVBS	
		USBE01	TXKF	
HH	HH+76-90	SMCA01	MZBZ	
		SMCA01	MROC	
		SMCA01	TNCC	
		SMES01	MSLP	
		SMNK01	MNMG	
		SMVD01	KWBC	
		SMVD11	KWBC	
HH	HH+91-105	USSN01	ESWI	
		HH=06,18 (HH)=0900,2100		
(HH)	HH+00-15	SICA21	TNCC	
HH	HH+00-15	SMBE01	TXKF	
		SMCA01	TNCC	
		SMCA20	TJSJ	
		SMMF01	TFFR	
		SMPM01	MPTO	
		SMTD01	TTPP	
HH	HH+16-30	SMBA01	MYNN	
		SMCA21	TJSJ	
		SMMN01	TNCM	
		SMMR20	TFFF	
		SMMX01	MMMX	
		SMMX02	MMMX	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=06,18 (HH)=0900,2100		
(HH)	HH+211-225	SIBA20	MYNN	
		SIBA21	MYNN	
		SIBA21	MYNN	
		SIEQ20	SEQU	
12	HH+211-225	FSUS01	KWBC	
(HH)	HH+226-240	SIMN20	TNCM	
(HH)	HH+241-255	SINK21	MNMG	
12	HH+241-255	FSUS02	KWBC	
HH	HH+241-255	ASNT20	KWBC	
		SMVD15	KWBC	
HH	HH+256-270	SMVD16	KWBC	
		SMVD17	KWBC	
(HH)	HH+286-300	SIVN20	SVBS	
		SIVN21	SVBS	
HH	HH+301-315	AUAS01	KWBC	
		FSNA20	KWBC	
00,1200	HH+31-45	AXCA20	KMIA	
HH	HH+31-45	SMUS01	KWBC	
		SMUS02	KWBC	
		SMUS03	KWBC	
		SMUS04	KWBC	
		SMUS05	KWBC	
(HH)	HH+316-330	SIBE20	TXKF	
		SICA20	TJSJ	
		SICA21	TJSJ	
		SIMF20	TFFR	
		SIVN20	SVBS	
(HH)	HH+331-345	SIMR20	TFFF	
		SIMR21	TFFF	
		SITD20	TFFF	
0230,1430	HH+331-345	FPCA01	TJSJ	
		FPCA20	TJSJ	
HH	HH+46-60	SMBA20	MYNN	
		SMCA40	KWBC	
		SMCA41	KWBC	
		SMCN04	CWAO	
		SMCN06	CWAO	
		SMFG01	SOCA	
		SMMR01	TFFF	
		SMVD01	KWBC	
		SMVD01	TNCC	
HH	HH+61-75	SMCA20	TJSJ	
		SMVD01	TFFF	
		SMVN01	SVBS	
HH	HH+76-90	SMCA01	TNCC	
		SMCA01	MROC	
		SMNK01	MNMG	
		SMVD01	KWBC	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=06,18 (HH)=0900,2100		
HH	HH+91-105	SMCA01	MZBZ	
		SMCO01	MZBZ	
		SMCO01	SKBO	
		SMES01	MSLP	
		SMVD11	MZBZ	

Centre: Jakarta

Area in which the broadcast is received: South-east Asia and Northern part of Australia

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
8BB 35	-	11 500 kHz	F1B	-	10 kW
8BB 39	-	16 200 kHz	F1B	-	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	0345	CSID01	WIIX	
		CUID01	WIIX	
		HH=00,06		
00	HH+105	UEID01	WIIX	
		UHID01	WIIX	
		UKID01	WIIX	
		ULID01	WIIX	
		UQID01	WIIX	
		USID01	WIIX	
HH	HH+105	SMID01	WIIX	
		SMID20	WIIX	
		SMVE01	WIIX	
		UAID01	WIIX	
		UGID01	WIIX	
		UGID20	WIIX	
		UPID01	WIIX	
		UPID20	WIIX	
		HH=00,06,12,18		
00	HH+45	UHID20	WIIX	
		UQID20	WIIX	
00,12	HH+45	UEID01	WIIX	
		UHID01	WIIX	
		UKID01	WIIX	
		ULID01	WIIX	
		UQID01	WIIX	
		USID01	WIIX	
03,09,15,21	HH+45	SIID20	WIIX RTD	
		SIID21	WIIX RTD	
		SIVE20	WIIX RTD	
HH	HH+45	SMID01	WIIX	
		SMID20	WIIX	
		UAID01	WIIX	
		UGID01	WIIX	
		UGID20	WIIX	
		UPID01	WIIX	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		UPID20	WIIX	
HH(1)	HH+45	SMVE01	WIIX	
		HH=03,09,15,21		
00,06,12	HH+45	UGID20	WIIX RTD	
		UPID20	WIIX RTD	
00,06,12,18	HH+45	SMID01	WIIX RTD	
		SMID20	WIIX RTD	
		SMVE01	WIIX RTD	
		UGID01	WIIX RTD	
		UPID01	WIIX RTD	
00,12	HH+45	UEID01	WIIX RTD	
		UHID01	WIIX RTD	
		UKID01	WIIX RTD	
		ULID01	WIIX RTD	
		UQID01	WIIX RTD	
		USID01	WIIX RTD	
06	HH+45	ASID20	WIIX	
HH	HH+45	SEID01	WIIX	
		SIID20	WIIX	
		SIID21	WIIX	
		SIVE20	WIIX	
		SIVE20	WIIX RTD	
		UAID01	WIIX RTD	

(1) SHIP reports will be broadcast as received with the name of the ship.
(2) Shipping bulletins will be broadast in plain language (Indonesian and English).

Centre: Kuala Lumpur

Area in which the broadcast is received: New Delhi, Canberra, Manila

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
9MY 58	-	9 143 kHz	F1B	-	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
(1)	0030-0040	UAAE01	WMKK	
0000	0030-0040	SMMS01	WMKK	
		SMVE01	WMKK	
2100	0030-0040	SIMS20	WMKK	
0000	0130-0145	SEMS01	WMKK(2)	
		SMMS01	WMKK	
		SMVE01	WMKK	
		UGMS20	WMKK	
		UPMS01	WMKK	
0000	0230-0250	SMVE01	WMKK	
		UGMS20	WMKK	
		UKMS01	WMKK	
		UPMS01	WMKK	
		USMS01	WMKK	
	0330-0400	CSMS01	WMKK(4)	
0000	0330-0400	CUMS01	WMKK(4)	
		SMVE01	WMKK	
		UEMS01	WMKK	
		UHMS01	WMKK	
		UKMS01	WMKK	
		ULMS01	WMKK	
		UQMS20	WMKK	
		USMS01	WMKK	
0300	0330-0400	SIMS20	WMKK	
1000	0330-0400	SNVE20	WMKK(3)	
2200	0330-0400	SNVE20	WMKK(3)	
0300	0430-0435	SIMS20	WMKK	
(1)	0630-0640	UAAE01	WMKK	
0600	0630-0640	SMMS01	WMKK	
		SMVE01	WMKK	
0600	0730-0745	SMMS01	WMKK	
		SMVE01	WMKK	
		UGMS20	WMKK	
		UPMS01	WMKK	
	0930-0950	CSMS01	WMKK(4)	

Time Group	Transmission Time	TTAAii	CCCC	Details
0000	0930-0950	CUMS01	WMKK(4)	
0600	0930-0950	SMVE01	WMKK	
		UGMS20	WMKK	
		UPMS01	WMKK	
0900	0930-0950	SIMS20	WMKK	
0600	1030-1035	SMVE01	WMKK	
(1)	1230-1240	UAAE01	SMKK	
1200	1230-1240	SMMS01	WMKK	
		SMVE01	WMKK	
1200	1330-1345	SMMS01	WMKK	
		SMVE01	WMKK	
		UGMS20	WMKK	
		UPMS01	WMKK	
1200	1430-1450	SMVE01	WMKK	
		UGMS20	WMKK	
		UKMS01	WMKK	
		UPMS01	WMKK	
		USMS01	WMKK	
1200	1530-1555	SMVE01	WMKK	
		UEMS01	WMKK	
		UHMS01	WMKK	
		UKMS01	WMKK	
		ULMS01	WMKK	
		UQMS20	WMKK	
		USMS01	WMKK	
1500	1530-1555	SIMS20	WMKK	
1200	1630-1635	SMVE01	WMKK	
1500	1630-1635	SIMS20	WMKK	
(1)	1830-1840	UAAE01	WMKK	
1800	1830-1840	SMMS01	WMKK	
		SMVE01	WMKK	
1800	1930-1945	SMMS01	WMKK	
		SMVE01	WMKK	
		UGMS20	WMKK	
		UPMS01	WMKK	
1800	2130-2145	SMVE01	WMKK	
		UGMS20	WMKK	
		UPMS01	WMKK	
2100	2130-2145	SIMS20	WMKK	

Notes:
Bulletins not transmitted daily: As available - Relay of Singapore, Brunei, Manila, Jakarta, Melbourne and Wellington to Bangkok and vice versa.

(1) Up to 24 hours old.
(2) As available.
(3) As available platforms weather reports.
(4) On the 5th of each month, on the 6thif the 5th is a Sunday.

Centre: Offenbach (Main)/Pinneberg

Area in which the broadcast is received:

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
DDH47		147.3 kHz	F1B	50 bauds	20.0 kW
DDH8		14 467.3 kHz	F1B	50 bauds	1.0 kW
DDH9		11 039.0 kHz	F1B	50 bauds	10.0 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
00	0000	FEBQ52	EDZW	Repetition medium range weather report Baltic Sea: see also 1035
00	0005	FQMM60	EDZW	Weather report Mediterranean Sea: Weather situation, forecast valid for 24 hours (in German)
00	0020	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
00	0030	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
00	0055	WODL69	EDZW	Warnings for North Sea and Baltic Sea: (in English)
00	0125	FQEN50	EDZW	Weather report North Sea and Baltic Sea: Weather situation, forecast valid for 12 hours and outlook valid for another 12 hours (in German)
00	0130	FEMM54	EDZW	Medium range weather report Mediterranean Sea. Weather situation, time series forecast for 5 days (in German)
00	0135	WODL45	EDZW	Warnings for the sea areas, see also 0000
00	0235	FQEN50	EDZW	Weather report North Sea and Baltic Sea: see also 0005
		FQEN51	EDZW	Weather report for German coast: see also 0020
		FQEN55	EDZW	Weather report Norwegian and Baltic Sea: Route North Cape - Shetlands, The Quark - Gulf of Finland. Weather situation, time series forecast for 2 days (in German)
03	0300	FQNT56	EDZW	Weather report North Atlantic: Route Pentlands - Southwest Greenland. Weather situation, time series forecast for 2 days (in German)
03	0305	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
03	0320	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
00	0325			See List 1 - SHIP (FM 13 XI): Ship reports from North Sea, Baltic Sea, North Polar Sea, Atlantic, Mediterranean Sea
00	0350	FEBQ52	EDZW	Medium range weather report Baltic Sea: Weather situation, time series forecast for 5 days (in German)
03	0425	FQMM58	EDZW	Weather report Western Mediterranean Sea: Route Alboran - Tunis. Weather situation, time series forecast for 2 days (in German)
03	0430	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
00	0435	FQEN50	EDZW	Weather report North Sea and Baltic Sea: see also 0005
03	0500	FQEN51	EDZW	Weather report for German coast: see also 0020

Time Group	Transmission Time	TTAAii	CCCC	Details
05	0505	FQMM59	EDZW	Weather report Eastern Mediterranean Sea: Route Eastern Tunis - Rhodes/Cyprus. Weather situation, time series forecast for 2 days (in German)
05	0520	WWXX60	EDZW	Navigational warnings: For North Sea, Baltic Sea and German coast
03	0530	NOXX50	EDZW	Advice to the use of weather data: Notices
00	0535	NODL40	EDZW	Advice to the use of weather data: Notices
	0600	NODL42	EDZW	Notices
	0605	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
06	0620	WODL45	EDZW	Strong wind, gale and storm warnings: For German Bight, Western and Southern Baltic Sea, German North Sea and Baltic Sea coast
	0630	WODL45	EDZW	Warnings for the sea areas: see also 0000
	0700	FQEW57	EDZW	Weather report Western European Sea: Route Southern Ireland - Area Canarias. Weather situation, time series forecast for 2 days (in German)
	0725	FQEN50	EDZW	
	0730	FQEN51	EDZW	Weather report for German coast: Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast (in German)
06	0735	FEBQ52	EDZW	Medium range weather report Baltic Sea Weather situation, time series forecast for 5 days (in German)
06	0820	FEEN53	EDZW	Medium range weather report North Sea: Weather situation, time series forecast for 5 days (in German)
06	0840	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
09	0900	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
08	0905	FEMM54	EDZW	Medium range weather report Mediterranean Sea: Weather situation, time series forecast for 5 days (in German)
08	0920	NOXX50	EDZW	Advice on the use of weather data: Notices
	0930	FQEN51	EDZW	Weather report for German coast: Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast (in German)
09	0950	NODL42	EDZW	Advice on the use of weather data: Notices
00	1010	WODL45	EDZW	Strong wind, gale and storm warnings: For German Bight, Western and Southern Baltic Sea, German North Sea and Baltic Sea coast
08	1010	FQEN50	EDZW	Weather report North Sea and Baltic Sea:Weather situation, forecast valid for 12 hours and outlook valid for anot¬her 12 hours (in German)
00	1020	FQEN51	EDZW	Weather report for German coast: Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast (in German)
09	1025	FQEN55	EDZW	Weather report Norwegian and Baltic Sea: Route North Cape - Shetlands, The Quark - Gulf of Finland. Weather situation, time series forecast for 2 days (in German)
09	1030	FQNT56	EDZW	Weather report North Atlantic: Route Pentlands - Southwest Greenland. Weather situation, time series forecast for 2 days (in German)
06	1035	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)

Time Group	Transmission Time	TTAAii	CCCC	Details
	1100	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
	1120	FQEW57	EDZW	Weather report Western European Sea: Route Southern Ireland - Area Canarias. Weather situation, time series forecast for 2 days (in German)
	1145	WODL45	EDZW	Strong wind, gale and storm warnings: for German Bight, Western and Southern Baltic Sea, German North Sea and Baltic Sea coast
12	1200	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
11	1205	NODL40	EDZW	Advice on the use of weather data: Notices
11	1220	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
	1230	FEMM54	EDZW	Repetition medium range weather report Mediterranean Sea: see also 1120
	1300	WODL45	EDZW	Warnings for the sea areas: see also 0000
12	1325	FQEN50	EDZW	Weather report North Sea and Baltic Sea: see also 0005
12	1330	FQEN51	EDZW	Weather report for German coast: see also 0020
12	1335	FQEN55	EDZW	Weather report Norwegian and Baltic Sea: see also 0630
	1420	FQNT56	EDZW	Weather report North Atlantic: see also 0700
	1440	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
15	1500	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
14	1505			See List 1 - SHIP (FM 13 XI) : see also 0735
14	1520	WODL61	EDZW	Warnings for Baltic Sea: (in English)
	1530	FQMM58	EDZW	Weather report Western Mediterranean Sea: see also 0840
	1545	WWXX60	EDZW	Navigational warnings: see also 0950
15	1610	FQEN50	EDZW	Weather report North Sea and Baltic Sea: see also 0005
15	1625	FQEN51	EDZW	Weather report for German coast: see also 0020
	1630	FQMM59	EDZW	Weather report Eastern Mediterranean Sea: see also 0930
	1635	FEBQ52	EDZW	Medium range weather report Baltic Sea: Weather situation, time series forecast for 5 days (in German)
17	1715	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
	1735	SXMM41	EDZW	Station reports Mediterranean Sea: (in German)
18	1800	FEEN53	EDZW	Medium range weather report North Sea: Weather situation, time series forecast for 5 days (in German)
17	1805	FEMM54	EDZW	Medium range weather report Mediterranean Sea: Weather situation, time series forecast for 5 days (in German)
17	1820	FQEW57	EDZW	Repetition weather report Western European Sea: see also 0820
18	1830	WODL45	EDZW	Warnings for the sea areas: see also 0000
18	1900	FQEW57	EDZW	Weather report Western European Sea: see also 0820
18	1925	FEMM54	EDZW	Medium range weather report Mediterranean Sea: Weather situation, time series forecast for 5 days (in German)

Time Group	Transmission Time	TTAAii	CCCC	Details
18	1930			Special transmissions for research vessels: (only if required)
18	1935	WODL45	EDZW	Warnings for the sea areas: see also 0000
18	2020	FQEN50	EDZW	Weather report North Sea and Baltic Sea: see also 0005
18	2040	FQEN51	EDZW	Weather report for German coast: see also 0020
21	2100	FQEN55	EDZW	Repetition weather report Norwegian and Baltic Sea: see also 0630
	2105	FQNT56	EDZW	Repetition weather report North Atlantic: see also 0700
	2120	SXEN40	EDZW	Station reports North Sea and Baltic Sea: (in German)
	2130	FEEN53	EDZW	Repetition medium range weather report North Sea: see also 1100 and/or Special transmissions for research vessels: (only if required)
	2155			See List 1 - SHIP (FM 13 XI): see also 0735
	2225	FEEN53	EDZW	Medium range weather report North Sea: Weather situation, time series forecast for 5 days (in German)
	2230	FQMM58	EDZW	Repetition weather report Western Mediterranean Sea: see also 0840
	2235	WODL45	EDZW	Warnings for the sea areas: see also 0000
	2305	FQEN50	EDZW	Weather report North Sea and Baltic Sea: see also 0005
	As available	FQEN51	EDZW	Weather report for German coast: see also 0020
		FQMM59	EDZW	Repetition weather report Eastern Mediterranean Sea: see also 0930

List 1:
SMVX41 EDZW Area: 60N 50N, 10W 10E; Time (UTC): 0735, 1335, 1935
SMVX42 EDZW Area: 90N 60N, 10W 180E; Time (UTC): 0740, 1340, 1940
SMVX43 EDZW Area: 50N 40N, 40W 0; Time (UTC): 0745, 1345, 1945
SMVX44 EDZW Area: 90N 50N, 40W 10W; Time (UTC): 0750, 1350, 1950
SMVX45 EDZW Area: 90N 40N, 90W 40W; Time (UTC): 755, 1355, 1955
SMVX46 EDZW Area: 66N-54N, 10E-30E; Time (UTC): 0757, 1357, 1957
SMVX47 EDZW Area: 50N-30N, 0-40E; Time (UTC): 0800, 1400, 2000

Centre: Roma

Area in which the broadcast is received: Europe, Mediterranean Sea, North Africa, Near East

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
IBM 31	-	3 172.5 kHz	F1B	50 bauds	5 kW
IBM 32	-	5 887,5 kHz	F1B	50 bauds	5 kW
IBM 33	-	11 453 kHz	F1B	50 bauds	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	1100	CSLY01	HLLT(1)	
		CSME01	LIIB(1)	
		CSME02	LIIB(1)	
		CULY01	HLLT(1)	
		CUME01	LIIB(1)	
		CUME02	LIIB(1)	
		Bulletins transmitted hourly.		
		SOVA10	RUMS	
		SOVB10	RUMS	
		SOVD02	EGRR	
		SOVF01	ESWI	
		SOVF02	EGRR	
		SOVX01	EDZW	
		TUXN12	KWBC	
		HH=00,12		
HH	HH+00-10	SMDL01	EDZW	
		SMOS01	LOWM	
		SMOS22	LOWM	
		SMSW01	LSSW	
		SMSW22	LSSW	
HH	HH+10-40	SDIY40	LIIB	
		SFIY40	LIIB	
		SMAB01	ZATI	
		SMBA20	ZATI	
		SMBU01	LZSO	
		SMBU40	LZSO	
		SMCZ10	OKPR	
		SMCZ40	OKPR	
		SMDL42	EDZW	
		SMDN01	EKMI	
		SMDN40	EKMI	
		SMFA01	EKMI	
		SMFA40	EKMI	
		SMFI01	EFKL	
		SMFI40	EKMI	
		SMGR01	LGAT	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		SMGR20	LGAT	
		SMGR21	LGAT	
		SMHU01	HABP	
		SMHU20	HABP	
		SMIS01	LLBD	
		SMIY01	LIIB	
		SMIY20	LIIB	
		SMIY21	LIIB	
		SMML01	LMMM	
		SMNO11	ENMI	
		SMNO43	ENMI	
		SMPL01	SOWR	
		SMPL20	SOWR	
		SMRO01	YRBK	
		SMRO20	YRBK	
		SMSN01	ESWI	
		SMSN41	ESWI	
		SMTU10	LTAA	
		SMTU11	LTAA	
		SMTU12	LGAT	
		SMYG10	LYBM	
		SMYG21	LYBM	
		UAME01	LIIB	
HH	HH+130-150	SEIY01	LIIB	
		UTME01	LIIB	
HH+120	HH+130-150	SPIY40	LIIB	
HH	HH+40-70	SMAR20	OEJD	
		SMCY01	LCLK	
		SMCY21	LCLK	
		SMEG01	HECA	
		SMEG20	HECA	
		SMER10	OMAA	
		SMIQ01	ORBS	
		SMIQ20	ORBS	
		SMIR01	OIII	
		SMIR2O	OIII	
		SMJD10	OJAM	
		SMJD20	OJAM	
		SMKW10	OKBK	
		SMLB01	OLBA	
		SMLY01	HLLT	
		SMSD10	OEJD	
		SMSU01	HSSS	
		SMSY10	OSDI	
		SMSY20	OSDI	
		SMVF01	LIIB	
HH	HH+70-80	SMYE10	OYSN	
		USDL01	EDZW	
		USDL02	EDZW	
		USDL03	EDZW	
		USIS01	LLBD	
		USOS01	LOWM	
		USSW01	LSSW	
HH+60	HH+70-80	SPIY40	LIIB	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
HH	HH+80-130	FJXN01	EDZW	
		UECY01	LCLK	
		UEEG01	HECA	
		UEGR01	LGAT	
		UEIR01	OIII	
		UEIY01	LIIB	
		UEJD01	OJAM	
		UEKW10	OKBK	
		UELB01	OLBA	
		UELY01	HLLT	
		UEOM10	OOMS	
		UESD10	OEJD	
		UESU21	HSSS	
		UESY01	OSDI	
		UETU10	LTAA	
		UEVF01	LIIB	
		UEYE01	OYSN	
		UKCY01	LCLK	
		UKEG01	HECA	
		UKGR01	LGAT	
		UKIQ01	ORBS	
		UKIR01	0III	
		UKIY01	LIIB	
		UKJD01	OJAM	
		UKLB01	OLBA	
		UKLY01	HELT	
		UKOM10	OOMS	
		UKSD10	OEJD	
		UKSU21	HSSS	
		UKSY01	OSDI	
		UKVF01	LIIB	
		ULCY01	LCLK	
		ULEG01	HECA	
		ULGR01	LGAT	
		ULIQ01	ORBS	
		ULIR01	OIII	
		ULIY01	LIIB	
		ULJD01	OJAM	
		ULKW10	OKBK	
		ULLB01	OLBA	
		ULLY01	HLLT	
		ULOM10	OOMS	
		ULSD10	OEJD	
		ULSD10	OEJD	
		ULSU01	HSSS	
		ULSY01	OSDI	
		ULTU10	LTAA	
		ULVF01	LIIB	
		ULYE01	OYSN	
		UQYE20	OYSN	
		USBU01	LZSO	
		USCY01	LCLK	
		USCZ10	OKPR	
		USEG01	HECA	
		USFA01	EKMI	
		USFI01	EFKL	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,12	
		USFI02	EFKL	
		USFI03	EFKL	
		USGR01	LGAT	
		USHU01	HABP	
		USHU02	HABP	
		USIQ01	ORBS	
		USIR01	OIII	
		USIY01	LIIB	
		USJD01	OJAM	
		USKW10	OKBK	
		USLB01	OLBA	
		USLB01	OLBA	
		USLY01	HLLT	
		USNO11	ENMI	
		USOM10	OOMS	
		USPL01	SOWR	
		USRO01	YRBK	
		USSD10	OEJD	
		USSN01	ESWI	
		USSN03	ESWI	
		USSN05	ESWI	
		USSN06	ESWI	
		USSN12	ENMI	
		USSU01	HSSS	
		USSY01	OSDI	
		USTU10	LTAA	
		USVF01	LIIB	
		USYE10	OYSN	
		USYG01	LYBM	
		USYG01	LYBM	
			HH=03,09,15,21	
HH	HH+00-10	SIDL21	EDYW	
		SIDL42	EDYW	
		SIDL43	EDZW	
		SIOS21	LOWM	
		SIOS22	LOWM	
		SISW21	LSSW	
		SISW22	LSSW	
HH	HH+10-40	SDIY40Y21	LIIB	
		SFIY21	LIIB	
		SIGR20	LGAT	
		SIGR21	LGAT	
		SIGR22	LGAT	
		SIIY20	LIIB	
		SIIY21	LIIB	
		SIIY22	LIIB	
		SIML20	LMMM	
		SITU20	LTAA	
		SITU21	LTAA	
		SITU22	LTAA	
		SIVF20	LIIB	
		UAME01	LIIB	
HH+120	HH+130	SFIY40	LIIB	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
HH	HH+40-70	SIAB20	ZATI	
		SIAB21	ZATI	
		SIAR20	OEJD	
		SIBU20	LZSO	
		SIBU40	LZSO	
		SICY20	LCLK	
		SICY21	LCLK	
		SICZ20	OKPR	
		SIDN21	EKMI	
		SIEG20	HECA	
		SIEG21	HECA	
		SIER20	OMAA	
		SIFA21	EKMI	
		SIFI20	EFKL	
		SIHU20	HABP	
		SIIQ20	ORBS	
		SIIQ21	ORBS	
		SIIR20	OIII	
		SIIR21	OIII	
		SIIS21	LLBD	
		SIJD20	OJAM	
		SIJD21	OJAM	
		SILB20	OLBA	
		SILY20	HLLT	
		SIOM20	OOMS	
		SIPL20	SOWR	
		SIPL30	SOWR	
		SIRO20	YRBK	
		SIRO21	YRBK	
		SISD20	OEJD	
		SISN21	ESWI	
		SISU21	HSSS	
		SISY20	OSDI	
		SIVA20	OEJD	
		SIYE20	OYSN	
		SIYG20	LYBM	
		SIYG21	LYBM	
HH+60	HH+40-70	SFIY40	LIIB	
		HH=06,18		
HH	HH+00-10	SMDL01	EDZW	
		SMDL42	EDZW	
		SMOS01	LOWM	
		SMOS22	LOWM	
		SMSW01	LSSW	
		SMSW22	LSSW	
HH	HH+10-40	SDIY40	LIIB	
		SFIY43	LIIB	
		SMAB01	ZATI	
		SMAB20	ZATI	
		SMBU01	LZSO	
		SMBU40	LZSO	
		SMCZ10	OKPR	
		SMCZ40	OKPR	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=06,18		
		SMDL43	EDZW	
		SMDN01	EKMI	
		SMDN40	EKMI	
		SMFA01	EKMI	
		SMFA40	EKMI	
		SMFI01	EFKL	
		SMFI01	EFKL	
		SMGR01	LGAT	
		SMGR11	LGAT	
		SMGR20	LGAT	
		SMHU01	HABP	
		SMHU20	HABP	
		SMIS01	LLBD	
		SMIY01	LIIB	
		SMIY20	LIIB	
		SMIY21	LIIB	
		SMML01	LMMM	
		SMNO11	ENMI	
		SMNO42	ENMI	
		SMPL01	SOWR	
		SMPL20	SOWR	
		SMRO01	YRBK	
		SMRO20	YRBK	
		SMSN01	ESWI	
		SMSN41	ESWI	
		SMTU10	LTAA	
		SMTU11	LTAA	
		SMTU12	LTAA	
		SMVF01	LIIB	
		SMYG10	LZSO	
		SMYG21	LYBM	
		UAME01	LIIB	
HH+120	HH+130-140	SFIY40	LIIB	
HH	HH+40-70	SMAR20	OEJD	
		SMCY01	LCLK	
		SMCY20	OSDI	
		SMCY21	LCLK	
		SMEG01	HECA	
		SMEG20	HECA	
		SMER10	OMAA	
		SMIQ01	ORBS	
		SMIQ20	ORBS	
		SMIR01	OIII	
		SMIR20	OIII	
		SMJD01	OJAM	
		SMJD20	OJAM	
		SMKW10	OKBK	
		SMLB01	OLBA	
		SMLY01	HLLT	
		SMSD10	OEJD	
		SMSU01	HSSS	
		SMSY01	OSDI	
		SMYE01	OYSN	
HH+60	HH+70-80	SPIY40	LIIB	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=06,18		
HH	HH+80-130	UGCY20	LCLK	
		UGCY21	LCLK	
		UGEG20	HECA	
		UGGR20	LGAT	
		UGIQ20	ORBS	
		UGIR20	OIII	
		UGIY20	LIIB	
		UGJD20	OJAM	
		UGLB20	OLBA	
		UGSU21	HSSS	
		UGYE20	OYSN	
		UHEG01	HECA	
		UHIR01	OIII	
		UHIY01	LIIB	
		UHKW01	EUMS	
		UHLB01	OLBA	
		UHSU01	HSSS	
		UHYE10	OYSN	
		UPCY01	LCLK	
		UPCY02	LCLK	
		UPGR01	LGAT	
		UPIQ01	ORBS	
		UPIR01	OIII	
		UPIY01	LIIB	
		UPJD01	LCLK	
		UPKW10	OKBK	
		UPLB01	OLBA	
		UPLB01	OLBA	
		UPSU01	HSSS	
		UPSU01	HSSS	
		UPYE10	OYSN	
		UQEG20	HECA	
		UQIR20	OIII	
		UQIY20	LIIB	
		UQLB20	OLBA	

(1) 5th or 6th of each month.

Centre: Warszawa

Area in which the broadcast is received: Region VI

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
SOE 349	-	4 497 kHz	F1B	50 bauds	10 kW
SOH 299	-	7 997 kHz	F1B	50 bauds	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
HH	HH+15	SMCZ10	OKPR	
		SMCZ40	OKPR	
		SMCZ50	OKPR	
		SMDL01	EDZW	
		SMDL42	EDZW	
		SMDL43	EDZW	
		SMOS01	LOWM	
		SMOS22	LOWM	
		SMOS41	LOWM	
		SMOS42	LOWM	
		SMPL01	SOWR	
		SMPL20	SOWR	
		SMPL30	SOWR	
		SMPL40	SOWR	
		SMPL50	SOWR	
		HH=00,12		
HH	HH+210	UECZ10	SOWR	
		UEDL01	EDZW	
		UEOS01	LOWM	
		UEPL01	SOWR	
		UEPL01	SOWR	
		UKCZ10	OKPR	
		UKCZ10	OKPR	
		UKDL01	EDZW	
		UKOS01	LOWM	
		UKPL01	SOWR	
		ULCZ10	OKPR	
		ULDL01	EDZW	
		ULOS01	LOWM	
		ULPL01	SOWR	
		USCZ10	OKPR	
		USDL01	EDZW	
		USOS01	LOWM	
		USPL01	SOWR	
		HH=03,09,15,21		
HH	HH+15	SICZ20	OKPR	
		SICZ40	OKPR	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=03,09,15,21		
		SICZ50	OKPR	
		SIDL21	EDZW	
		SIDL42	EDZW	
		SIOS21	LOWM	
		SIOS22	LOWM	
		SIOS41	LOWM	
		SIOS42	LOWM	
		SIPL20	SOWR	
		SIPL30	SOWR	
		SIPL40	SOWR	
		SIPL50	SOWR	
		HH=06,18		
HH	0913	STPL42	SOWR	
HH	1540(1)	CSCZ10	OKPR	
		CSOS01	LOWM	
		CSPL01	SOWR	
		CUCZ10	OKPR	
		CUOS01	LOWM	
		CUPL01	SOWR	
HH	HH+210	UGOS21	LOWM	
		UGPL20	SOWR	
		UHOS01	LOWM	
		UHPL01	SOWR	
		UPOS01	LOWM	
		UPPL01	SOWR	
		UQOS21	LOWM	
		UQPL20	SOWR	

(1) On the 4th of each month, on the 5th is the 4th is a Sunday.

Centre: Bucarest

Area in which the broadcast is received: Region VI

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
YRR 1	-	5 731 kHz	F1B	-	15 kW
YRR 2	-	4 045 kHz	F1B	-	15 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	0050,0650,1250,1850	CSRO01	YRBK	
		CURO01	YRBK	
		HH=00,06,12,18		
HH	HH+05	SMBU01	LZSO	
		SMBU40	LZSO	
		SMHU01	HABP	
		SMHU20	HABP	
		SMHU40	HABP	
		SMRO01	YRBK	
		SMRO20	YRBK	
		SMRO21	YRBK	
		SMRO22	YRBK	
		SMRO23	YRBK	
		SMYG10	LYBM	
		SMYG22	LYBM	
		SMYG23	LYBM	
		SMYG23	LYBM	
	HH+150	UHBU01	LZSO	
HH	HH+150	UEBU01	LZSO	
		UEHU01	HABP	
		UERO01	YRBK	
		UGBU20	LZSO	
		UGRO20	YRBK	
		UHRO01	YRBK	
		UKBU01	LZSO	
		UKHU01	HABP	
		UKHU02	HABP	
		UKHU02	HABP	
		UKHU02	HABP	
		UKRO01	YRBK	
		ULBU01	LZSO	
		ULHU01	HABP	
		ULRO01	YRBK	
		UPBU01	LZSO	
		UPRO01	YRBK	
		UQBU20	LZSO	
		UQRO20	YRBK	
		USBU01	LZSO	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		USHU01	HABP	
		USHU02	HABP	
		USRO01	YRBK	
		HH=03,09,15,21		
HH	HH+05	SIBU20	LZSO	
		SIBU40	LZSO	
		SIHO20	HABP	
		SIHU21	HABP	
		SIHU40	HABP	
		SIRO20	YRBK	
		SIRO21	YRBK	
		SIRO22	YRBK	
		SIRO23	YRBK	
		SIRO24	YRBK	
		SIYG21	LYBM	
		SIYG22	LYBM	
		SIYG23	LYBM	

(1) On the 4th of each month, on the 5th if the 4th is a Sunday.

Centre: Moscow, Programme 1

Area in which the broadcast is received: Russian Federation Region VI, west part of Region II

Web Link: Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/RUMS/RUMSROCA.TXT

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
RBK 75	0000-2400	7 685 kHz	F1B	50 bauds	-
RDZ 75	0010-1810	9 190 kHz	F1B	50 bauds	-
RVW 53	0000-2400	13 530 kHz	F1B	50 bauds	-
RWZ 72	1810-0610	3 330 kHz	F1B	50 bauds	-
RWZ 73	0000-2400	5 140 kHz	F1B	50 bauds	-

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
HH	HH+110-150	SMRA10	RUNW	
		SMRA10	RUHB	
		SMRA11	RUHB	
		SMRA12	RUHB	
		SMRA14	RUNW	
		SMUZ10	UTTW	
		SMVB12	RUHB	
HH	HH+25-80	SMBY01	UMMN	
		SMBY01	UMMN	
		SMRS10	RUMS	
		SMRS11	RUMS	
		SMRS12	RUMS	
		SMRS13	RUMS	
		SMRS20	UMMN	
		SMUR10	UKMS	
		SMUR11	UKMS	
HH	HH+80-110	SMVA10	RUMS	
		SMVD10	RUMS	
		SMVF10	RUMS	
		HH=00,12		
HH	1120-1125; 2315-2320	TWRS10	RUMS	
HH	HH+150-195 HH+260-290	UKRS10	RUMS	
		UKUR10	UKMS	
		UKYB10	UMMN	
		USBY10	UMMN	
		USRS10	RUMS	
		USRS11	RUMS	
		USRS11	RUMS	
		USRS12	RUMS	
		USRS13	RUMS	
		USRS14	RUMS	
		USRS14	RUMS	
		USRS15	RUMS	
		USRS15	RUMS	
		USRS17	RUMS	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		USRS17	RUMS	
		USRS19	RUMS	
		USRS19	RUMS	
		USUR10	UKMS	
		USVD10	RUMS	
		USVF10	RUMS	
		USVX10	RUMS	
HH	HH+150-200	USBY10	UMMN	
		USGG10	UGGG	
		USLT10	UMWW	
		USRS10	RUMS	
		USRS11	RUMS	
		USRS12	RUMS	
		USRS13	RUMS	
		USRS14	RUMS	
		USRS15	RUMS	
		USRS17	RUMS	
		USRS19	RUMS	
		USUR10	UKMS	
HH	HH+260-315	USKY10	UAFF	
		USRA10	RUNW	
		USRA10	RUHB	
		USRA11	RUHB	
		USRA11	RUNW	
		USRA12	RUHB	
		USRA12	RUNW	
		USRA13	RUHB	
		USRA13	RUNW	
		USRA14	RUNW	
		USRA14	RUHB	
		USRA15	RUNW	
		USRA15	RUHB	
		USRA16	RUHB	
		USRA16	RUNW	
		USRA17	RUHB	
		USTR10	UTAA	
		USUZ10	UTTW	
HH	HH+290-370	USKY10	UAFF	
		USRA10	RUNW	
		USRA10	RUHB	
		USRA11	RUHB	
		USRA11	RUNW	
		USRA12	RUNW	
		USRA12	RUHB	
		USRA13	RUNW	
		USRA13	RUHB	
		USRA14	RUNW	
		USRA14	RUHB	
		USRA15	RUNW	
		USRA15	RUHB	
		USRA16	RUHB	
		USRA16	RUNW	
		USRA17	RUHB	
		USTR10	UTAA	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		USUZ10	UTTW	
		USVB13	RUHB	
		HH=03,09,15,21		
HH	HH+25-80(0300,1500) HH+30-80 (0900,2100)	SIRS20	RUMS	
		SIRS21	RUMS	
		SIRS22	RUMS	
		SIRS23	RUMS	
		SIRS24	RUMS	
		SIRS25	RUMS	
		SIRS26	RUMS	
		SIUR20	UKMS	
		SMBY20	UMMN	

Centre: Moscow, Programme 2

Area in which the broadcast is received: Russian Federation Region VI, north-west part of Region II

Web Link: Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/RUMS/RUMSROCA.TXT

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
RDD 77	0000-2400	11 450 kHz	F1B	50 bauds	-
ROK 24	0000-2400	7 855 kHz	F1B	50 bauds	-
RWW 74	0000-2400	5 020 kHz	F1B	50 bauds	-

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
HH	HH+05-120(00,12); HH+20-120(06,18)	SMAB01	ZATI	
		SMAB20	ZATI	
		SMAB21	ZATI	
		SMAL01	DAMM	
		SMBU01	LZSO	
		SMBU40	LZSO	
		SMBX01	EBBR	
		SMCR01	GCLP	
		SMCY01	LCLK	
		SMCZ10	OKPR	
		SMCZ40	OKPR	
		SMDL01	EDZW	
		SMDL42	EDZW	
		SMDN01	EKMI	
		SMEG01	HECA	
		SMEG02	HECA	
		SMEU03	EGRR	
		SMFA01	EKMI	
		SMFI01	EFKL	
		SMFI40	EFKL	
		SMFR01	LFPW	
		SMGI01	EGRR	
		SMGL10	BGSF	
		SMGR01	LGAT	
		SMHU01	HABP	
		SMHU20	HABP	
		SMHU40	HABP	
		SMIE01	EIDB	
		SMIL01	BIRK	
		SMIQ01	ORBS	
		SMIY01	LIIB	
		SMJD01	OJAM	
		SMLB01	OLBA	
		SMLJ21	LJLM	
		SMLY01	HLLT	
		SMMC01	GMMC	
		SMML01	LMMM	
		SMNL10	EHDB	
		SMNO11	ENMI	
		SMNO43	ENMI	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		SMPL01	SOWR	
		SMPL20	SOWR	
		SMPL30	SOWR	
		SMPO01	LPMG	
		SMRO01	YRBK	
		SMRO20	YRBK	
		SMRO21	YRBK	
		SMSN01	ESWI	
		SMSN41	ESWI	
		SMSP01	LEMM	
		SMSY01	OSDI	
		SMTS01	DTTA	
		SMTU10	LTAA	
		SMUK01	EGRR	
		SMVA01	EGRR	
		SMVD01	EGRR	
		SMVD01	BGSF	
		SMVE01	EGRR	
		SMVF01	SOWR	
		SMVF01	OLBA	
		SMVF01	LFPW	
		SMVF01	EKMI	
		SMVF01	EFKL	
		SMVF01	ESWI	
		SMVF01	EBBR	
		SMVF01	LYBM	
		SMVF01	BIRK	
		SMVF01	LLBD	
		SMVF01	LGAT	
		SMVF01	LIIB	
		SMVF02	LFPW	
		SMVF02	ESWI	
		SMVF03	ESWI	
		SMVF03	LFPW	
		SMVF11	ENMI	
		SMVF12	ENMI	
		SMVF13	ENMI	
		SMVX01	LPMG	
		SMVX02	LPMG	
		SMVX03	LPMG	
		SMYG22	LYBM	
		HH=00,12		
HH	HH+120-230	SMAH01	OAKB	
		SMAK01	KWBC	
		SMBM01	VBRR	
		SMBN10	OBBI	
		SMCA01	KWBC	
		SMCN02	CWAO	
		SMCN03	CWAO	
		SMER10	OMAA	
		SMHK01	VHHH	
		SMIN01	DEMS	
		SMIN02	DEMS	
		SMIN03	DEMS	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,12	
		SMIN04	DEMS	
		SMIN05	DEMS	
		SMIR01	OIII	
		SMJP01	RJTD	
		SMKO01	RKSL	
		SMKP01	VDPP	
		SMKR01	DKPY	
		SMKW10	OKPK	
		SMLA01	VLIV	
		SMMO01	MNUB	
		SMMV01	VRMM	
		SMMX01	KWBC	
		SMNP01	VNKT	
		SMOM10	OOMS	
		SMPA01	RJTD	
		SMPK01	OPKC	
		SMQT10	OTBD	
		SMSA40	KWBC	
		SMSB01	VCCC	
		SMSD01	OEJD	
		SMTH01	VTBB	
		SMTH02	VTBB	
		SMUS01	KWBC	
		SMUS02	KWBC	
		SMVA01	KWBC	
		SMVA10	DEMS	
		SMVA11	OEJD	
		SMVA11	DEMS	
		SMVB01	RKSL	
		SMVB01	OPKC	
		SMVB01	VHHH	
		SMVB01	KWBC	
		SMVB10	DEMS	
		SMVB12	RUHB	
		SMVB14	RUHB	
		SMVC01	KWBC	
		SMVD01	KWBC	
		SMVD01	KWBC	
		SMVD11	RJTD	
		SMVD11	KWBC	
		SMVD15	KWBC	
		SMVD16	KWBC	
		SMVD17	KWBC	
		SMVD18	KWBC	
		SMVE01	VHHH	
		SMVE01	KWBC	
		SMVE12	RJTD	
		SMVF01	KWBC	
		SMVS02	VNNN	
		SMVX01	ODAA	
		SMVX01	VCCC	
		SMVX01	VHHH	
		SMVX13	RJTD	
		SMVX14	RJTD	
		SMYE10	OYSN	
HH	HH+230-310	USAL01	DAMM	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,12	
		USAL02	DAMM	
		USBU01	LZSO	
		USBX01	EBSH	
		USBX01	EBBR	
		USDL01	EDZW	
		USDL02	EDZW	
		USDN01	EKMI	
		USEG01	HECA	
		USFA01	EKMI	
		USFI01	EFKL	
		USFI02	EFKL	
		USFI03	EFKL	
		USFR01	LFPW	
		USGI01	EGRR	
		USGL04	BGSF	
		USGL05	EGRR	
		USGL06	EGRR	
		USGR01	LGAT	
		USHU02	HABP	
		USIE01	HABP	
		USIQ01	ORBS	
		USIY01	LIIB	
		USJD01	OJAM	
		USLB01	OLBA	
		USLY01	HLLT	
		USMC01	GMMC	
		USNO11	ENMI	
		USNO12	ENMI	
		USNO13	ENMI	
		USPL01	SOWR	
		USPO01	LPMG	
		USRO01	YRBK	
		USSN01	ESWI	
		USSN03	ESWI	
		USSN05	ESWI	
		USSN06	ESWI	
		USSP01	LEMM	
		USSTU01	LTAA	
		USSY01	OSDI	
		USTS01	DTTA	
		USUK01	EGRR	
		USVA01	EGRR	
		USVD01	EGRR	
		USVF01	EGRR	
		USVF01	LIIB	
		USVF01	LFPW	
		USVX01	LPMG	
		USYG01	LYBM	
HH	HH+310-365	ULBY01	UMMN	
		ULGG10	UGGG	
		ULLT10	UMWW	
		ULRA10	RUMS	
		ULRA10	RUHB	
		ULRA11	RUHB	
		ULRA11	RUNW	
		ULRA12	RUNW	

Time Group	Transmission Time	TTAAii	CCCC	Details
			HH=00,12	
		ULRA13	RUNW	
		ULRA13	RUHB	
		ULRA14	RUHB	
		ULRA14	RUNW	
		ULRA15	RUNW	
		ULRA15	RUHB	
		ULRA16	RUHB	
		ULRA16	RUNW	
		ULRA17	RUHB	
		ULRS10	RUMS	
		ULRS10	RUMS	
		ULRS11	RUMS	
		ULRS12	RUMS	
		ULRS13	RUMS	
		ULRS14	RUMS	
		ULRS15	RUMS	
		ULRS17	RUMS	
		ULRS19	RUMS	
		ULTR10	UTAA	
		ULUR10	UKMS	
		ULUZ10	UTTW	
		ULVB13	RUHB	
		ULVD10	RUMS	
		ULVD10	RUMS	
		ULVF10	RUMS	
		ULVX10	RUMS	
HH	HH+480-550	USAH01	OAKB	
		USBM01	VCCC	
		USCE01	FFFF	
		USCM01	FKKD	
		USCR01	GCXO	
		USCV01	GVAC	
		USET01	HAAB	
		USGH01	DGAA	
		USHK01	VHHH	
		USIN01	DEMS	
		USIN02	DEMS	
		USIR01	OIII	
		USIV01	DIAP	
		USJP01	RJTD	
		USKN01	HKNC	
		USKO01	RKSL	
		USKO02	RKSL	
		USKR01	DKPY	
		USKR02	SKPY	
		USKW10	OKBK	
		USLA01	VLIV	
		USMG01	FMMI	
		USMI01	GABS	
		USMO01	MNUB	
		USMT01	GQNN	
		USNI01	DNKK	
		USNP01	VNKT	
		USNR01	DRRN	
		USOM10	OOMS	
		USPA01	RJTD	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,12		
		USPK01	OPKC	
		USSB01	VCCC	
		USSC01	FSSS	
		USSD10	OEJD	
		USSD12	OEJD	
		USSG01	GOOY	
		USSU01	HSSS	
		USTH01	VTBB	
		USTN01	HTDA	
		USUG01	HUEN	
		USVA01	DIAP	
		USVB10	RUHB	
		USVD10	RUHB	
		USVS01	VNNN	
		USVX01	DEMS	
		USVX01	RJTD	
		USYE01	EUMS	
		USYE10	OSYN	
HH	HH+565-650	USAK01	KWBC	
		USAK02	KWBC	
		USCA01	KWBC	
		USCA02	KWBC	
		USCA03	KWBC	
		USCN01	CWAO	
		USCN01	KWBC	
		USCN02	CWAO	
		USCN03	CWAO	
		USCN04	CWAO	
		USCN05	CWAO	
		USCN06	CWAO	
		USMX01	KWBC	
		USPA01	KWBC	
		USPA02	KWBC	
		USUS01	KWBC	
		USUS02	KWBC	
		USUS03	KWBC	
		USUS04	KWBC	
		USUS05	KWBC	
		USUS06	KWBC	
		USUS07	KWBC	
		USUS08	KWBC	
		USUS09	KWBC	
		USUS10	KWBC	

Centre: Ankara

Area in which the broadcast is received: Region VI

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
YMA 20	0500-1500	10 424 kHz	F1B	50 bauds	5 kW
YMA 20	1500-0500	3 550 kHz	F1B	50 bauds	5 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	0815-0830	CSTU10	LTAA(1)	
		CUTU10	LTAA(1)	
		H=00-24		
H	H+00-07	SATU20	LTAA	
		H=02,05,08,11,14,17,20,23		
H	H+07-15	FCTU21	LTAA	
		H=04,10,16,22		
H	H+07-16	FCTU21	LTAA	
		HH=00,06,12,18		
HH	HH+00-12	SMTU10	LTAA	
		SMTU11	LTAA	
		SMTU12	LTAA	
		HH=00,12		
HH	HH+127-200	UETU10	LTAA	
		UKTU10	LTAA	
		ULTU10	LTAA	
		USTU10	LTAA	
		HH=03,09,15,21		
HH	HH+00-12	SITU10	LTAA	
		SITU11	LTAA	
		SITU12	LTAA	

(1) 3rd and 4th of each month.

Centre: Bracknell

Area in which the broadcast is received: The whole of Europe and adjacent seas icluding the Mediterranean region, the North Atlantic Ocean, the eastern part of North America, Africa north of 10°N and Asia as far as 60°E.

Web Link: Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/EGRR/egrrrmks.498

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
GFL 22	1800-0600	6 835 kHz	F1B	1 K (75 bauds)	10 kW
GFL 23	0000-2400	10 551.3	F1B	1 K (75 bauds)	10 kW
GFL 24	0000-2400	14 356 kHz	F1B	1 K (75 bauds)	10 kW
GFL 25	0600-1800	18 230 kHz	F1B	1 K (75 bauds)	10 kW
GFL 26	0000-2400	4 489 kHz	F1B	1 K (75 bauds)	10 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
		CSGI01	EGRR	
		CSGL01	EKMI	
		CSIE01	EIDB	
		CSIL01	BIRK	
		CSNL01	EHDB	
		CSUK01	EGRR	
		CUGI01	EGRR	
		CUGL01	BGSF	
		CUIE01	EIDB	
		CUIL01	BIRK	
		CUNL01	EHDB	
		CUUK01	EGRR	
		NOXX01	LSSW(2)	
0300		FJXN01	KWWA	
1400		FXJN01	EDZW	
		H=00-24		
H	As available	SFUK30	EGRR	
		SNVF21	EGRR	
		SSNT11	ENMI	
		SXUK21	EGRR	
		UANT01	EGRR	
		HH=00,06,12,18		
HH	HH+00-180	SMEU01	EGRR	
		SMEU02	EGRR	
		SMEU22	EGRR	
		SMIE01	EIDB	
		SMIE22	EIDB	
		SMIE23	EIDB	
		SMNA22	EGRR	
		SMRS42	EGRR	
		SMUK01	EGRR	
		SMUK22	EGRR	
		SMVF21	EGRR	
		UEVF01	EGRR	

Time Group	Transmission Time	TTAAii	CCCC	Details
		HH=00,06,12,18		
		UKVF01	EGRR	
		ULVF01	EGRR	
		USVF01	EGRR	
		HH=00,12		
HH	HH+00-180	UEUK01	EGRR	
		UKEU01	EGRR	
		UKIE01	EGRR	
		UKUK01	EGRR	
		ULUK01	EGRR	
		USEU01	EGRR	
		USEU31	EGRR	
		USIE01	EIDB	
		USUK01	EGRR	
HH	HH+180-360	UKEU02	EGRR	
		USEU02	EGRR	
		USEU21	EGRR	
		USEU22	EGRR	
		USEU23	EGRR	
		USEU32	EGRR	
		USEU34	EGRR	
		USEU35	EGRR	
		HH=03,09,15,21		
HH	HH+00-180	SIEU21	EIDB	
		SIEU22	EIDB	
		SIIE21	EIDB	
		SIIE22	EIDB	
		SIIE23	EIDB	
		SIUK21	EGRR	
		SIUK22	EGRR	
		SIVF21	EGRR	
		TBUS01	KWBC(1)	
		TBUS02	KWBC(1)	
		HH=06,18		
HH	HH+00-180	UGEU21	EGRR	
		UGUK21	EGRR	
		UHUK01	EGRR	
		UPEU01	EGRR	
		UPUK01	EGRR	
		UQUK21	EGRR	

(1) After 1800 UTC as satellite location information becomes available.
(2) WIFMA messages are rebroadcast on receipt on Tuesdays, METNO messages on receipt on Thursdays.

Centre: Centro Meteorológico Base Marambio

Area in which the broadcast is received: Antarctic

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
LUU - SAWB	2120	4 807 - 9 951.5	J2B	LSB	1 kW
LUU - SAWB	1820	4 807 - 9 951.5	J2B	LSB	1 kW
LUU - SAWB	1520	9 951.5 - 16 209.5	J2B	LSB	1 kW
LUU - SAWB	1220	4 807 - 9 951.5	J2B	LSB	1 kW
LUU - SAWB	0920	2 401 - 4 807	J2B	LSB	1 kW
LUU - SAWB	0620	2 401 - 4 807	J2B	LSB	1 kW
LUU - SAWB	0320	2 401 - 4 807	J2B	LSB	1 kW
LUU - SAWB	0020	2 401 - 9 951.5	J2B	LSB	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		FAAA20	SAWB	
		SIAA25	SAWB	
		SMAA05	SAWB	
		STAA01	SAWB	
		WWAA02	SAWB	

*Frequencies in use from 15 April to 14 October

Centre: Centro Meteorológico Presidente Eduardo Frei Montalva

Area in which the broadcast is received: Antarctic Peninsula and surroundings

Web Link:

I. TECHNICAL SPECIFICATIONS

Call Sign	Hours of Operation	Frequency	Class of Emission	Band Width	Power Supplied to the Antenna
CAN 6D	-	5 302 kHz	-	-	1 kW
CAN 6D	-	11 662 kHz	-	-	1 kW

II. CONTENTS OF BROADCAST SHEDULES

Time Group	Transmission Time	TTAAii	CCCC	Details
		Bulletins not transmitted daily		
	1530	AI/FIAA20	SCEF(4)(9)	
		ASAA20	SGEF(10)	
		FRAA20	SCEF(1)(5)	
		FSAA20	SCEF(1)(3)	
		FZAA20	SCEF(1)(6)	
		WSAA20	SCEF(1)(3)	
	2230	FRAA20	SCEF(2)(5)	
		FSAA20	SCEF(2)(3)	
		FZAA20	SCEF(2)(6)	
		HH=00,06,12,18		
1200	HH+120	UEAA01	SCEF	
		UKAA01	SCEF	
		ULAA01	SCEF	
		USAA01	SCEF	
HH	HH+30	SMAA01	SAWB	
		SMAA01	SCEF	
		SMCH01	SCSC	
		HH=03,09,15,21		
HH	HH+30	SIAA20	SAWB	
		SIAA21	SCEF	
		SICH20	SCSC	
		SICH21	SCSC	

(1) Valid 1600/2300 UTC.
(2) Vakud 2300/1600 UTC.
(3) In Spanish.
(4) In Spanish and English.
(5) Route forecast for aviation (ROFOR), area: Drake Passage, Antarctic Peninsula.
(6) Forecast for shipping (MAFOR) in the Southern Ocean between 20°W and 90°W.
(7) Forecast for shipping in:
(a) Drake Passage Region;
(b) Bellinghausen Sea;
(c) Weddell Sea.
(8) Storm warnings for: Bellinghausen Sea and Drake Passage.
(9) Ice reports for Southern ocean between 20°W and 90°W.
(10) IAC.

CHAPTER 3

RADIO-FACSIMILE BROADCAST
DIFFUSION PAR RADIO FAC-SIMILE

Chapter 3 - Meteorological Broadcasts by Radio-Facsimile

This part contains the facsimile broadcast transmissions of meteorological charts of interest to shipping and fisheries. The following presentation has been adopted for each schedule:

KENYA

Nairobi **HKNC**

I. TECHNICAL SPECIFICATIONS — CARACTÉRISTIQUES TECHNIQUES

Frequency	Band Width Largeur de bande	Call Sign Indicatif d'appel	Class of Emission Catégorie d'émission	Power Supplied to the Antenna Puissance fournie à l'antenne	Hours of Operation Heures d'utilisation
9 043 kHz	White/black ± 400 kHz	5YE1	F3C	10 kW	H24
17 445kHz	White/black ± 400 kHz	5YE1	F3C	10 kW	1430-0230
4 610 kHz	White/black ± 400 kHz	5YE1	F3C	10 kW	Jul-Dec

II. MAP AREA — ZONE COUVERTE PAR LA CARTE

Area / Zone	Area Coverage / Zone Couverte	Projection	Scale / Échelle
1.	05N - 60N, 110W - 160W	Mercator	1: 25.000.000 at 22°30'

III. CONTENTS OF BROADCAST SCHEDULES — CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) Heure de transmission (Groupe horaire) (UTC)	TTAAii	CCCC	Details of Chart Renseignements figurant sur la carte	Map Area Zone couverte par la carte	Drum Speed Vitesse du cylindre
1345(06) 1708(12)		EDZW	E/B	Indian Ocean analysis	120/576
0530(00) 1730(12)		EDZW	A	250 hPa analysis	120/576
1121 2200		EDZW		Ice analysis Gulf of St. Lawrence	120/576

Explanation of the radio-facsimile presentation:

		KENYA	The schedules are arranged in English alphabetical order of countries, with the name of the country transmitting the broadcast schedule given at the top of the page.
		Nairobi | HKNC	The name of the transmitting centre. **CCCC** - International four letter location indicator of the centre originating the chart.
		Area coverage	The area in which the broadcast is intended to bereceived. This can include geographical co-ordinates or a geographical area.
I	**(a)**	Frequency	Refers to the centre value about which the frequency shift takes place.
	(b)	Band width	Frequency shift
	(c)	Call Sign	Can either be the Name of the call sign of the Station
	(d)	Class of Emission	This column specifies the class of emission of the frequencies indicated under the column "Frequency used". The following symbols are used **AMPLITUDE MODULATION** A1A Telegraphy without the use of a modulating audio frequency (by on-off keying) A2A Telegraphy by the on-off keying of an amplitude-modulating audio frequency of audio frequencies, or by the on-off keying of the modulated emission (special case: an unkeyed emission amplitude modulated) A3E Telephony, double sideband R3E Telephony, single sideband, reduced carrier H3E Telephony, single sideband, full carrier J3E Telephony, single sideband, suppressed carrier B9W Combination of telephony and telegraphy (two independent sidebands) *FREQUENCY MODULATION* F1B Telegraphy by frequency shift keying without the use of a modulating audio frequency, one of two frequencies being emitted at any instant F3E Telephony, by direct frequency modulation of the carrier
	(f)	Hours of operation	When appropriate this column indicates the hours of operation, in UTC, of the various frequencies. Any seasonal variations are also shown **eg H24, 0600-1600, Summer, June-December**
II	**(a)**	Area	The map area refers to table "II. MAP AREA"
	(b)	Projection	Projection type eg Mercator, Lambert's Conical Orthomorphic, Polar Stereographic
	(c)	Scale	Indicates the scale of the map eg. 1:6,000,000 true at 60°N (45 cm x 55 cm)
III	**(a)**	Transmission time	This column gives the time at which the transmission is scheduled to begin. 0600(00) The times at which the observations contained in the chart were made are presented in parentheses.
	(b)	TTAAii	Abbreviated heading - data type and geographical designators.
	(c)	CCCC	International four letter location indicator of the centre originating the chart.
	(d)	Map area	For each chart transmitted this column gives a letter/digit which corresponds to the area covered. The map areas corresponding to the letters are indicated at the beginning of the schedule. See table II – Map Area
	(e)	Details of chart	This column specifies details of the content of the chart eg: H+24 surface prognosis / Indian Ocean analysis / Test chart
	(e)	Drum speed	This relates to the drum speed, in revolutions per minute, and the Index of co-operation, which is generally 576. For complementary information see "WMO Publication No. 386 - *Manual on the Global Telecommunication System, Volume*"

ALASKA (US)

Station Name: Kodiak, Alaska, USA

Area Covered: East Pacific

Date: 21/02/2007

Region: IV
METAREA: XII
CCCC: PAAQ

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
2054 kHz	NOJ	F3C	-	7.5 KW	ALL BROADCAST TIMES
4298 kHz	NOJ	F3C	-	7.5 KW	ALL BROADCAST TIMES
8459 kHz	NOJ	F3C	-	7.5 KW	ALL BROADCAST TIMES
12412.5 kHz	NOJ	F3C	-	7.5 KW	ALL BROADCAST TIMES

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	20N - 70N, 115W - 135E		
2.	40N - 70N, 125W - 150E		
3.	40N - 70N, 115W - 170E		
4.	40N - 60N, 125W - 160E		
5.	05N - 60N, 110W - 160W		
6.	ICE COVERED AK WATERS		
7.	COOK INLET		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

ALASKA (US)

Date: 21/02/2007

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0008(12)		PAAQ	96HR WAVE PERIOD, SWELL DIRECTION	1	120/576
0018(12)		PAAQ	96HR 500 MB FORECAST	1	120/576
0400/1600		PAAQ	TEST PATTERN		120/576
0403(00)/1603(12)		PAAQ	SURFACE ANALYSIS	2	120/576
0427(12)/1627(00)		PAAQ	REBROADCAST 24HR SURFACE F'CAST 2227/1027	3	120/576
0437(12)/1637(00)		PAAQ	REBROADCAST 48HR SURFACE F'CAST 2237/1037	1	120/576
0447(LATEST)/1647(LATEST)		PAAQ	COASTAL MARINE FORECAST TABLES (ALASKA)		120/576
0456(00)/1656(00)		PAAQ	SEA STATE ANALYSIS/REBROADCAST	1	120/576
0506(00)/1706(12)		PAAQ	GOES IR SATELLITE IMAGE	5	120/576
0517(00)/1717(12)		PAAQ	500 MB ANALYSIS	1	120/576
0527/1727		PAAQ	SYMBOLS AND CONTRACTIONS/SCHEDULE		120/576
0548/1748		PAAQ	REQUEST FOR COMMENTS/PRODUCT NOTICE		120/576
0558(00)/1758(12)		PAAQ	24HR 500 MB FORECAST	1	120/576
0950/2150		PAAQ	TEST PATTERN		120/576
0953/2153		PAAQ	SURFACE ANALYSIS	2	120/576
1017(00)/2217(12)		PAAQ	24HR WIND/WAVE FORECAST	3	120/576
1027(00)/2227(12)		PAAQ	24HR SURFACE FORECAST	3	120/576
1037(00)/2237(12)		PAAQ	48HR SURFACE FORECAST	1	120/576
1047(00)/2247(12)		PAAQ	48HR WIND/WAVE FORECAST	1	120/576
1057(LATEST)/2257(LATEST)		PAAQ	5-DAY SEA ICE FORECAST/SEA ICE ANALYSIS	6	120/576
1117(00)/2317(12)		PAAQ	GOES IR SATELLITE IMAGE	5	120/576
1128(00)/2328(12)		PAAQ	48HR WAVE PERIOD, SWELL DIRECTION	1	120/576
1138(00)/2338(12)		PAAQ	48HR 500 MB FORECAST	1	120/576
1148(LATEST)		PAAQ	SEA SURFACE TEMPERATURE ANALYSIS	4	120/576
1159(LATEST)		PAAQ	COOK INLET SEA ICE FORECAST	7	120/576
2348(12)		PAAQ	96HR SURFACE FORECAST	1	120/576
2358(12)		PAAQ	96HR WIND/WAVE FORECAST	1	120/576

ALASKA (US)

Date: 21/02/2007

NOTES:
1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
2. COMMENTS AND SUGGESTIONS SHOULD BE DIRECTED TO:
METEOROLOGIST-IN-CHARGE
NATIONAL WEATHER SERVICE/NOAA
6930 SAND LAKE ROAD
ANCHORAGE, AK 99502-1845
PH: (907) 266-5105/FAX: (907) 266-5188
E-MAIL: nws.ar.pafc.webauthors@noaa.gov
Many of these charts also broadcast from Pt. Reyes, CA

Internet Weather Services: Further information see: http://www.nws.noaa.gov/om/marine/home.htm
Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804
http://weather.noaa.gov/pub/fax/hfak.txt

ARGENTINA

Date: 21/06/2006

Station Name: Buenos Aires (PREFECTURA NAVAL)

Region: VI
METAREA: VI
CCCC: SABM

Area Covered: South Atlantic
Area I: Covers the Río de la Plata, from the mouths of the Paraná and uruguay rivers up to an imaginary line joining PUNTA DEL ESTE (Uruguay 34°58'10"S, 54°57'05"W) and PUNTA RASA DEL CABO SAN ANTONIO (Argentina 36°17'38"S, 56°47'05"W), and the area of the Atlantic ocean between the two geographical points and 300 n miles out to sea.

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
18 093 kHz					
10 720 kHz					
5 185 kHz					

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A			1: 20.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0400(00) 1620(12)		SABM	Surface analysis	A	120/576
0510(00) 1640(12) 1920(12)		SABM	500 hPa height analysis	A	120/576
0600(00) 1740(12)		SABM	200 hPa height analysis	A	120/576
0800(00)		SABM	1000/500 hPa thickness	A	120/576
1400(12) 2100(18)		SABM	Nephanalysis	A	120/576
1700(12)		SABM	850 hPa height analysis	A	120/576
1720(12)		SABM	Height analysis (troposphere and maximum events)	A	120/576
1800(12) 2200(12)		SABM	700 hPa height analysis	A	120/576
1900(12)		SABM	24 H surface prognosis	A	120/576
1940(12)		SABM	250 hPa height prognosis	A	120/576
2000(12)		SABM	850/150 hPa significant height prognosis	A	120/576
2300(12)		SABM	Wave forecast	A	120/576

Internet Weather Services:

AUSTRALIA

Date: 22/01/2008

Station Name: Charleville (Queensland) / Wiluna (Western Australia)

Area Covered: Southwards from 25N - 25S, 70E - 150W

Region: V
METAREA: X
CCCC: AMMC

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
5 100 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	H24
11 030 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	H24
13 920 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	H24
20 469 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	1900-0900
2 628 kHz	VMC	F3C	white +400 Hz, black -400 Hz	1 kW	0900-1900
15 615 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	H24
5 755 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	1100-2100
10 555 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	H24
18 060 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	2100-1100
7 535 kHz	VMW	F3C	white +400 Hz, black -400 Hz	1 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	30N- 35S, 120E - 180		
AUST	10S - 50S, 090E - 170E	Lambert	
B	30N - 35S, 070E - 130E		
C	30N - 35S, 070E - 180		
CASEY	50S - 70S, 080E - 160E	Mercator	
E	40N - 40S, 70E - 180E		
IO	10S - 90S, 0 - 090E - 180	Polar	
IOSST	20N - 50S, 30E - 150E	Mercator	
NT2	59 N 82 W, 61 N 28 W; 43 N 70 W, 44 N 35 W	Stereographic	
PSST	20N - 50S, 140E - 180 - 100W	Mercator	
SH	20S - 90S, all longitudes	Polar	
SWP	20S - 90S, 150E - 180 - 70W	Polar	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

AUSTRALIA **Date:** 22/01/2008

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0015 1215		AMMC	Broadcast schedule (2 parts)	-	120/576
0045 1145		AMMC	Information Notice	-	120/577
0100 1630		AMMC	IPS recommended frequencies for VMC	-	120/578
0130 1700		AMMC	IPS recommended frequencies for VMW	-	120/579
0200(00) 0900(00) 1200(12) 1515(12) 2330(00)		AMMC	36 hour surface prognosis (MSL)	AUST	120/580
0245(00) 0845(06) 1430(12) 2030(18)		AMMC	Surface analysis (MSL)	AUST	120/581
0300(00) 1500(12)		AMMC	500hPa analysis	AUST	120/582
0315		AMMC	Service message	-	120/583
0400(00) 1600(12)		AMMC	24 hour 500hPa prognosis	AUST	120/584
0430 0915		AMMC	MSLP 4-day forecast, days 1 and 2	AUST	120/585
0445 0930		AMMC	MSLP 4-day forecast, days 3 and 4	AUST	120/586
0600(00) 1800(00)		AMMC	Gradient level wind analysis Part A	A	120/587
0623(00) 1823(12)		AMMC	Gradient level wind analysis Part B	B	120/588
0645		AMMC	ASIAN Surface analysis (MSL)	C	120/589
0730(00) 1915(12)		AMMC	Indian Ocean Surface analysis (MSL)	IO	120/590
0745(00) 0800(00) 1930(12) 1945(12)		AMMC	24 hour swell waves ht. (M) prognosis	AUST	120/591
0830(00) 2000(12)		AMMC	South Pacific surface analysis (MSL)	SWP	120/592
1015(00) 2015(12)		AMMC	24 hour Southern Ocean wind/wave prognosis	CASEY	120/593
1030(00) 2230 (12)		AMMC	48 hour Southern hemisphere 500hPa prognosis	SH	120/594
1045(00) 2245(12)		AMMC	48 hour Southern hemisphere surface prognosis (MSL)	SH	120/595
1100(00) 2215(12)		AMMC	36 hour Southern Ocean wind/wave prognosis	CASEY	120/596
1115(00) 2300(12)		AMMC	Southern Hemisphere 500hPa analysis	SH	120/597
1130(Latest)		AMMC	Asian sea surface temperature analysis (weekly)	E	120/598
1245(12)		AMMC	36 hour Indian Ocean surface prognosis (MSL)	IO	120/599
1315(00)		AMMC	48 hour South Pacific Ocean combined waves prognosis	SWP	120/600
1330(00)		AMMC	48 hour Indian Ocean combined waves prognosis	IO	120/601
1345(Latest)		AMMC	Central Pacific Sea surface temperatures (weekly)	PSST	120/602
1400(Latest)		AMMC	Indian Ocean Sea surface temperatures (weekly)	IOSST	120/603
1415(00) 2315 (12)		AMMC	48 hour Southern Ocean wind/wave prognosis	CASEY	120/604
2345(12)		AMMC	48 hour Indian Oceansurface prognosis (MSL)	IO	120/605

Internet Weather Services: Radiofax web link: http://www.bom.gov.au/nmoc/rad_sch
Routeing Catalogue web link: http://www.bom.gov.au/inside/cosb/stan/

BRAZIL

Date: 2006

Station Name: Rio de Janeiro Naval

Region: III
METAREA: V
CCCC: SBBR

Area Covered: Atlantic waters west of 35°W from 3°N to the Equator, and west of 20°W from the Equator to 33°S.

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
16 978 kHz	PPO	F3C	-	1 kW	H24
12 665 kHz	PPO	F3C	-	1 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	20N 090W, 20N 020E, 70S 090W, 70S 020E		1: 53,000,000
B	20N 090W, 20N 020E, 70S 090W, 70S 020E		1: 58,000,000
C	20N 090W, 20N 020E, 70S 090W, 70S 020E		1: 58,500,000
D	15N 072W, 15N 018W, 50S 072W, 50S 018E		1: 32,700,000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0745 1630		SBBR	Test chart	-	120/576
0750(00) 1635(12)		SBBR	Surface analysis (hPa)	A	120/576
0810(00) 1655(12)		SBBR	Waves sig. height (m) and dir prognosis 1200 UTC+36 hour	B	120/576
0830(00) 1715(12)		SBBR	Waves, sig height (m) and direction prognosis 1200 UTC+36 hour	C	120/576
0850(12) 1735(00)		SBBR	Sea surface temperature	D	120/576

Internet Weather Services:

CANADA

Date: 31/05/2007

Station Name: Sydney (CCG)

Area Covered: North Atlantic to Barents Sea
Arctic coast, Atlantic Coast and S. Lawrence River

Region: IV
METAREA: IV
CCCC: CWAO

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4416 kHz	VCO	J3C			1121-1741
6915.1 kHz	VCO	J3C			2200-2331

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1121		CWAO	ICE ANALYSIS GULF OF ST. LAWRENCE	-	120/576
1142		CWAO	ICE ANALYSIS EAST OR SOUTHEAST NEWFOUNDLAND WATERS	-	120/576
1741		CWAO	ICE ANALYSIS ICEBERG LIMIT	-	120/576
2200		CWAO	ICE ANALYSIS GULF OF ST. LAWRENCE		120/576
2331		CWAO	ICE ANALYSIS EAST OR SOUTHEAST NEWFOUNDLAND WATERS		120/576

Internet Weather Services: http://www.ccg-gcc.gc.ca/mcts-sctm/ramn/docs/aa.ae/Part-2ae-2007Final.pdf

CANADA

Date: 31/05/2007

Station Name: Inuvik (CCG)

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: IV
METAREA: IV
CCCC: CWAO

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
8457.8 kHz	VFA	J3C		1 KW	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0200(12)		CWAO	Marine Wind Prognosis (Availability of charts may vary depending on shipping. Ice Analysis (mid July to October 15). Amundsen Gulf, Queen Maud and McClure Strait. Ice Analysis Beaufort Sea/Alaskan Coast		120/576
1630(12)		CWAO	Marine Surface Analysis. (Availability of charts may vary depending on shipping. Ice Analysis (mid July to October 15). Amundsen Gulf, Queen Maud and McClure Strait. Ice Analysis Beaufort Sea/Alaskan Coast		120/576

Note: Also available on request

Internet Weather Services: http://www.ccg-gcc.gc.ca/mcts-sctm/ramn/docs/ca.pe/Part-2pe-2007Final.pdf

CANADA

Date: 31/05/2007

Station Name: Iqaluit (CCG)

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: IV
METAREA: IV
CCCC: CWAO

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3253.0 kHz	VFF	J3C	-	5 KW	25 JUN – 30 NOV
7710.0 kHz	VFF	J3C	-	5 KW	25 JUN – 30 NOV

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1	Hudson Bay (South)		
10	Parry Channel		
11	Queen Maude		
12	Resolute - Byam		
13	McClure Strait		
2	Hudson Bay (North)		
3	Hudson Strait		
4	Foxe Basin		
5	Labrador Coast		
6	Davis Strait		
7	Baffin Bay		
8	Approaches to Resolute		
9	Eureka Sound		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0500		CWAO	Ice Analysis Hudson Bay south, Hudson Bay north, Hudson Strait, Foxe Basin, Labrador Coast, Davis Strait, Baffin Bay.		120/576
1000/2100		CWAO	Marine Surface Analysis (Arctic) Marine wind prognosis (Arctic) (experimental product) Regional Marine Wind Prognosis (on request)		120/576
2125		CWAO	Ice Analysis Hudson Bay south, Hudson Bay north, Hudson Strait, Foxe Basin, Labrador Coast, Davis Strait, Baffin Bay.		120/576

NOTE:
THE AREAS INCLUDED IN THE BROADCASTS VARY WITH ICE CONDITIONS AND MARINE ACTIVITY. ALL CHARTS AVAILABLE CAN BE TRANSMITTED ON REQUEST.

Internet Weather Services: http://www.ccg-gcc.gc.ca/mcts-sctm/ramn/docs/aa.ae/Part-2ae-2007Final.pdf

CANADA

Date: 31/05/2007

Station Name: Resolute (CCG)

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: IV
METAREA: IV
CCCC: CWAO

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 708.1 kHz	VFR	J3C	-	5 kW	1 Jul - 15 Oct
3 251.1 kHz	VFR	J3C	-	5 kW	1 Jul - 15 Oct
3253.0 kHz	VFR	J3C	-	5 KW	25 JUN – 30 NOV
7710.0 kHz	VFR	J3C	-	5 KW	25 JUN – 30 NOV

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
10	Parry Channel		
11	Qyenn Maude/Prince Regent		
3	Baffin Bay		
7	Baffin Bay		
8	Approaches to Resolute		
9	Eureka Sound		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0010		CWAO	Ice analysis Baffin Bay, Approaches to Resolute, Resolute-Byam, Eureka Sound, McClure Strait, Parry Channel and Queen Maude.		120/576
0010 0700		CWAO	Ice analysis (Areas 7, 8, 9, 10, 11)	-	120/576
0700		CWAO	Ice analysis Baffin Bay, Approaches to Resolute, Resolute-Byam, Eureka Sound, McClure Strait, Parry Channel and Queen Maude.		120/576
1100(06 06 00) 2330(18 12)		CWAO	Surface analysis & 24 hour prognosis	-	120/576
1100/2330		CWAO	Marine Surface Analysis (Arctic) Marine wind prognosis (Arctic) (experimental product) Regional Marine Wind Prognosis (on request)		120/576

CANADA

Date: 31/05/2007

NOTE:
The areas included in the chart broadcasts vary with ice conditions and marine activity. All charts available can be transmitted on request.

Seasonal service mid to late June to end of November/December.

Frequencies listed may be carrier frequencies, add 1.9 kHz for center frequency.
Internet Weather Services: http://www.ccg-gcc.gc.ca/mcts-sctm/ramn/docs/aa.ae/Part-2ae-2007Final.pdf

CANADA

Date: 31/05/2007

Station Name: Halifax (CCG)

Area Covered: Arctic coast, Atlantic Coast and S. Lawrence River

Region: IV
METAREA: IV
CCCC: CWAO

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
122.5 kHz	CFH	F3C	-	10 KW	ALL BROADCAST TIMES
4271 kHz	CFH	F3C	-	6 KW	ALL BROADCAST TIMES
6496.4 kHz	CFH	F3C	-	6 KW	ALL BROADCAST TIMES
10536 kHz	CFH	F3C	-	6 KW	ALL BROADCAST TIMES
13510 kHz	CFH	F3C	-	6 KW	ALL BROADCAST TIMES

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A.	56N 87W, 56N 24W, 34N 38W, 34N 73W		
B.	76N 16W, 30N 20W, 23N 11W, 08N 69W		
C.	52N 80W, 65N 15W, 30N 60W, 34N 17W		
D.	60N 68W, 60N 33W, 43N 33W, 43N 68W		
E.	50N 75W, 50N 48W, 34N 48W, 34N 75W		
F.	52N 98W, 58N 24W, 30N 39W, 28N 78W		
G.	52N 98W, 56N 24W, 30N 39W, 28N 78W		
H.	30N 107W, 15N 67W, 34N 24W, 79N 60W		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

CANADA **Date:** 31/05/2007

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0001(LATEST)		CWAO	Ice Chart #1 (see note): (Latest)		120/576
0101(00)		CWAO	SATELLITE PHOTO INFRARED		120/576
0201(12)/1401(00)		CWAO	12/00Z SIGNIFICANT WEATHER DEPICTION	A	120/576
0301(00)/1501(12)		CWAO	500MB ANALYSIS	B	120/576
0322(00)/1522(12)		CWAO	SURFACE ANALYSIS	F	120/576
0401(12)/1622(00)		CWAO	36HR 500MB FORECAST	H	120/576
0422(00)/1701(12)		CWAO	24HR SURFACE PROG	A	120/576
0501(18&00)		CWAO	850 MB FORECAST WINDS	C	120/576
0601812)/1801(00)		CWAO	36HR SURFACE PROG	A	120/576
0701(18)/1901806)		CWAO	18/06Z SIIGNIFICANT WEATHER DEPICTION	A	120/576
0801(00&12/2001(12&00)		CWAO	24/36HR SIGNIFICANT WAVE PROGNOSIS	A	120/576
0901(06)/2101(18)		CWAO	SURFACE ANALYSIS	F	120/576
1001(LATEST)		CWAO	SST: NOVA SCOTIA - MON NEWFOUNDLAND - TUE/FRI	E/D	120/576
1001(LATEST)		CWAO	OFA: NOVA SCOTIA - WED/SAT NEWFOUNDLAND - SUN/THU	E/D	120/576
1022(09)		CWAO	SATELLITE PHOTO INFRARED		120/576
1101		CWAO	CFH BROADCAST SCHEDULE		120/576
1201(12)		CWAO	3-DAY PROG	G	120/576
1222(12)		CWAO	4-DAY PROG	G	120/576
1301(12)		CWAO	5-DAY PROG	G	120/576
1601(12)		CWAO	850MB ANALYSIS	B	120/576
1822(06&12)		CWAO	850MB FORECAST WINDS	C	120/576
2201(LATEST)		CWAO	SST: NOVA SCOTIA - TUE/THU/FRI NEWFOUNDLAND - WED/SAT	E/D	120/576
2201(LATEST)		CWAO	OFA: NOVA SCOTIA - SUN NEWFOUNDLAND - MON	E/D	120/576
2222(LATEST)		CWAO	NEWFOUNDLAND ICE CHART		120/576
2301(LATEST)		CWAO	GULF OF ST LAWRENCE ICE CHART (SEASONAL)		120/576

NOTES:
This schedule of chart and text transmission is subject to short notice change according to the requirements of the Canadian Forces.
The geographical area of coverage for the ice charts varies according to season. The typical areas are: Gulf of St. Lawrence, East Newfoundland waters, Labrador Coast, Hudson Strait, Davis Strait and Baffin Bay. The Canadian Ice Service prepares all ice charts.

Internet Weather Services: http://www.ccg-gcc.gc.ca/mcts-sctm/ramn/docs/aa.ae/Part-5ae-2007Final.pdf

CHILE

Date: 2006

Station Name: Valparaiso Playa Ancha (Radio Centro de Telecomunicaciones Maritimas)

Area Covered: East Pacific - Ocean areas south of 33°S between 20°W and 70°W. Chilean Maritime area

Region: III
METAREA: XV
CCCC: SCEF/SCSC

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
8 677.0 kHz	CBV	F3C	white +400 Hz, black -400 Hz	1 kW	H24
4 228.0 kHz	CBV	F3C	white +400 Hz, black -400 Hz	1 kW	H24
17 146.4 kHz	CBV	F3C	white +400 Hz, black -400 Hz	1 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	10S-120W, 10S-050W, 80S-130W, 80S-030W		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1115(06) 1630(12) 2200(18)		SCEF/SCS	Surface analysis	A	120/576
1130(09) 1645(15) 1930(18) 2325(21)		SCEF/SCS	Satellite image	A	120/576
1915(1200)		SCEF/SCS	Significant wave map (MTS)	A	120/576
2215		SCEF/SCS	Ice report	A	120/576
2310		SCEF/SCS	12 hour surface forecast	A	120/576

Internet Weather Services: Radiofax web link: http://www.directemar.cl/meteo/operador/horarios.htm

DENMARK

Date: 24/06/2003

Station Name: Skamlebaek (KØBENHAVN)

Area Covered: North Sea, North Atlantic, Greenland sea areas south of 75°N and east of 50°W (SEE MAP)

Region: VI
METAREA: I
CCCC: EKMI/EKCH

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9 360 kHz	OXT (1)	F3C	-	20 kW	0003-0025
5 850 kHz	OXT (1)	F3C	-	20 kW	0028-1005
13 855 kHz	OXT (1)	F3C	-	20 kW	1803-1825
9 360 kHz	OXT (1)	F3C	-	20 kW	1008-1215
17 510 kHz	OXT (1)	F3C	-	20 kW	1333-1355
9 360 kHz	OXT (1)	F3C	-	20 kW	1243-1305
9 360 kHz	OXT (1)	F3C	-	20 kW	1828-1850
13 855 kHz	OXT (1)	F3C	-	20 kW	1218-1240
13 855 kHz	OXT (1)	F3C	-	20 kW	1308-1330

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1	Covers the southern tip of Greenland		
2	Section, which may cover any area north of 62°N according to need and time of year either on W or E coast of Greenland		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC) TTAAii	CCCC Details of Chart	Map Area	Drum Speed
0028 0003(2) 1243 1308 1333	EKMI/EKC Ice chart	2 (or 1)	120/576
0943 1008 1153 1218 1803 1828	EKMI/EKC Ice chart	1	120/576

NOTES :
(1) Call sign is transmitted for a period of 2 minutes immediately prior to chart transmission.
(2) Either one of chart #2 is transmitted if available, otherwise chart #1 is transmitted.
(3) Chart #1 covers the southern tip of Greenland. Chart #2 is a section, which may cover any area north of 62 degrees north according to need and time of year either on west or east coast of Greenland.

Internet Weather Services: Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/ESWI/ESWIroca.txt

GERMANY

Date: 22/02/2008

Station Name: Offenbach (Main)-Hamburg/Pinneberg (broadcast for shipping)

Area Covered: North Atlantic north of 40°N, East of 55°W, North Sea and Baltic Sea

Region: VI
METAREA: I
CCCC: EDZW

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3 855 kHz	DDH3	F1C	white +425 Hz / black -425 Hz	10 KW	0430-2300
7 880 kHz	DDK3	F1C	white +425 Hz / black -425 Hz	20 kW	0430-2300
13 882.5 Hz	DDK6	F1C	white +425 Hz / black -425 Hz	20 kW	0430-2300

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
AC*	44 N 116 W, 44 N 136 E; 44 N 45 W, 44 N 65 E	Stereographic	1:67.000.000 (A4)
AC1*	11 N 125 W, 11 N 145 E; 11 N 35 W, 11 N 55 E	Stereographic	1:44.000.000 (A3)
BQ1	58°N-08°E; 58°N-16°E; 53°N-08°E; 53°N-16°E	Stereographic	
BQ1	58 N 08 E, 58 N 16 E; 53 N 08 E, 53 N 16 E	Stereographic	
BQ2	66 N 12 E, 66 N 30 E; 57 N 12 E, 57 N 30 E	Mercator	
BQ2	66°N-12°E; 66°N-30°E; 57°N-12°E; 57°N-30°E	Mercator	
BQ3	58 N 08 E, 58 N 22 E; 54 N 08 E, 54 N 22 E	Mercator	
BQ3	58°N-08°E; 58°N-22°E; 54°N-08°E; 54°N-22°E	Mercator	
EN	60 N 09 W, 62 N 12 E; 50 N 04 W, 51 N 12 E	Stereographic	1: 2.000.000
EN	62°N-04°W; 62°N-12°E; 50°N-04°W; 50°N-12°E	Stereographic	1: 2.000.000 scale indications refer to 60°N latitude
NA	43 N 67 W, 61 N 79 E; 19 N 27 W, 27 N 33 E	Stereographic	1:20.000.000 (A3); 1:15.000.000 (A2)
NA	43°N-67°W; 61°N-79°E; 19°N-27°W; 27°N-33°E	Stereographic	1: 20.000.000 (A3)scale indications refer to 60°N latitude
NT1	38°N-100°W; 60°N-36°E;14°N-17°W;21°N-13°W	Mercator	1: 15.000.000
NT1	41 N 114 W, 60 N 36 E; 14 N 70 W, 21 N 13 W	Stereographic	1:15.000.000
NT2	60°N-65°W;60°N-38°W; 40°N-65°W; 40°N-38°W	Mercator	
NT3	52°N-110°W;61°N-34°E; 07°N-57°W; 09°N-18°W	Stereographic	15.000.000 scale indications refer to 60°N latitude
NT3	53 N 70 W, 52 N 26 W; 36 N 63 W, 36 N 33 W	Stereographic	
NT4	48 N 117 W, 63 N 42 E; 05 N 63 W, 10 N 18 W	Stereographic	1:15.000.000
NT4	57°N-96°W; 71°N-71°E; 38°N-48°W; 46°N-13°E	Stereographic	10.000.000 scale indications refer to 60°N latitude

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0430(00)	QPOA89	EDZW	Surface weather chart (1)	NA	120 / 576
0500(00)*	PPNE98	EDZW	H+00, H+24 (GME) MSL pressure, wind (10 m)	AC	120 / 576
0512(18)	PPOF89	EDZW	H+30 (GME) MSL pressure (1)	NA	120 / 576
0525(00)	QPYA89	EDZW	MSL pressure analysis, arrows showing the movement of pressure systems, significant weather, ice	NT1	120 / 576
0546(03)	PLNT98	EDZW	Information of tropical storms, North Atlantic (during the season)		120 / 576
0559(00)	PHOE50	EDZW	H+12, H+24 (GME) 500 hPa H+T, MSL pressure	NA	120 / 576
0612(00)	PROE70	EDZW	H+12, H+24 (GME) 850 hPa T, 700 hPa U	NA	120 / 576
0625(00)	PHOI50	EDZW	H+36, H+48 (GME) 500 hPa H+T, MSL pressure	NA	120 / 576
0638(00)	PROI70	EDZW	H+36, H+48 (GME) 850 hPa T, 700 hPa U	NA	120 / 576
0651(00)	PHOK50	EDZW	H+60, H+72 (GME) 500 hPa H+T, MSL pressure	NA	120 / 576
0704(00)	PROK70	EDZW	H+60, H+72 (GME) 850 hPa T, 700 hPa U	NA	120 / 576
0717(18)	PPOF89	EDZW	Repetition chart 0512 UTC (1)	NA	120 / 576
0730(00)	PPOI89	EDZW	H+48 (GME) MSL pressure (1)	NA	120 / 576
0742(00)	QPYA89	EDZW	Repetition chart 0525 UTC	NT1	120 / 576
0804(00)	PPOL89	EDZW	H+84 (GME) MSL pressure (1)	NA	120 / 576
0817(00)	PPON89	EDZW	H+108 (GME) MSL pressure (1)	NA	120 / 576
0830(00)	PJXE88	EDZW	H+24 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0830(00)*	PHNA50	EDZW	Analysis (GME) 500 hPa H	AC1	120 / 576
0842(00)	PJXI88	EDZW	H+48 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0842(00)*	PPNI98	EDZW	H+36, H+48 (GME) MSL pressure, wind (10 m)	AC	120 / 576
0854(00)	PJXK88	EDZW	H+72 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0854(00)*	PRNE85	EDZW	H+24 (GME) 850 hPa, 700 hPa U	AC	120 / 576
0906(00)	PJXM88	EDZW	H+96 (GSM) Sea and swell, Wind (10 m)	NA	120 / 576
0906(00)*	PRNG85	EDZW	H+36 (GME) 850 hPa, 700 hPa U	AC	120 / 576
0918(00)*	PPNM98	EDZW	H+72, H+96 (GME) MSL pressure, wind (10 m)	AC	120 / 576
0930(00)	PIAA88	EDZW	Ice Chart northwesternpart atlantik	NT2/NT3	120 / 576
0930(00)*	PJXE88	EDZW	H+24 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
0945(00)	QTUA88	EDZW	Sea surface temperature North Sea 3)	EN	120 / 576
1004(00)*	PJXI88	EDZW	H+48 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
1007(00)	QIMA88	EDZW	Ice condition Chart Western Baltic (3) (4)	BQ1	120 / 576
1016(00)*	PJXK88	EDZW	H+72 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
1029(00)	QJOI88	EDZW	H+48 wave prediction	NT4	120 / 576
1050(06)	QPOA89	EDZW	Surface weather chart	NA	120 / 576
1111	QZZZ93	EDZW	Transmission schedule		120 / 576
1132	PZZZ91	EDZW	Test chart		120 / 576
1145(06)	QPOA89	EDZW	Repetition chart 1050 UTC	NA	120 / 576

GERMANY **Date:** 22/02/2008

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1205(18)	PPOF89	EDZW	Repetition chart 0512 UTC	NA	120 / 576
1206(00)*	PJXM88	EDZW	H+96 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
1219(00)*	PIAA88	EDZW	Ice conditions chart North-West Atlantic (2)	NT2,NT3	120 / 576
1220(00)	PPOI89	EDZW	Repetition chart 0730 UTC	NA	120 / 576
1232(00)*	QIMA88	EDZW	Ice conditions chart West Baltic Sea (4)(5)	BQ1	120 / 576
1520(09)	QIMA88	EDZW	Ice conditions chart West Baltic Sea (4)(5) or special area (3)(4)	BQ2	120 / 576
1520(09)	QIXA88	EDZW	Ice conditions chart West Baltic Sea (4)(5) or special area (3)(4)	XX1	120 / 576
1540(09)	QIYA88	EDZW	Ice conditions chart Arctic Sea	XX2	120 / 576
1540(09)	QIYA88	EDZW	Ice conditions chart Southern Baltic Sea	BQ3	120 / 576
1600(12)	QPOA89	EDZW	Surface weather chart (1)	NA	120 / 576
1800(12)	QPYA89	EDZW	MSL pressure analysis, arrows showing the movement of pressure systems, significant weather, ice	NT1	120 / 576
1821(15)	PLNT98	EDZW	Information of tropical storms, North Atlantic (during the season)		120 / 576
1834(12)	PPOE89	EDZW	H+24 (GME) MSL pressure (1)	NA	120 / 576
1847(12)	PPOI89	EDZW	H+48 (GME) MSL pressure (1)	NA	120 / 576
1900(12)	PPOL89	EDZW	H+84 (GME) MSL pressure (1)	NA	120 / 576
1913(12)	PJXE88	EDZW	H+24 (GSM), Sea and swell, Wind (10 m)	NA	120 / 576
1913(12)*	PPNE98	EDZW	H+00, H+24 (GME) MSL pressure, wind (10 m)	AC	120 / 576
1926(12)	PJXI88	EDZW	H+48 (GSM), Sea and swell, Wind (10 m)	NA	120 / 576
1926(12)*	PHNA50	EDZW	Analysis (GME) 500 hPa H	AC1	120 / 576
1939(12)	PJXK88	EDZW	H+72 (GSM), Sea and swell, Wind (10 m)	NA	120 / 576
1939(12)*	PPNI98	EDZW	H+36, H+48 (GME) MSL pressure, wind (10 m)	AC	120 / 576
1948(12)*	PRNE85	EDZW	H+24 (GME) 850 hPa, 700 hPa U	AC	120 / 576
2000(12)*	PRNG85	EDZW	H+36 (GME) 850 hPa, 700 hPa U	AC	120 / 576
2012(12)*	PPNM98	EDZW	H+72, H+96 (GME) MSL pressure, wind (10 m)	AC	120 / 576
2024(12)*	PJXE88	EDZW	H+24 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
2036(12)*	PJXI88	EDZW	H+48 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
2048(12)*	PJXK88	EDZW	H+72 (GSM) sea and swell, wind direction, direction of swell	NA	120 / 576
2100(12)	PIAA88	EDZW	Ice conditions chart North-West Atlantic (2)	NT2, NT3	120 / 576
2115(15)	QIMA88	EDZW	Ice conditions chart West Baltic Sea (4)(5)	BQ2	120 / 576
2137(12)	QJOI88	EDZW	H+48 wave prediction	NT4	120 / 576
2200(18)	QPOA89	EDZW	Surface weather chart (1)	NA	120 / 576

Footnotes:
* If required during the arctic summer times.

(1) If the manually modified chart is not available then the automatically processed chart will be broadcast where the heading "ii" = "98" in¬stead of "ii" = "89"
(2) Issued by: Canadian Ice Service Ottawa or USCG International Ice Patrol
(3) Issued by: "Bundesamt fuer Seeschiffahrt und Hydrographie"
(4) Irregularly, only if required because of the ice conditions
(5) Rebroadcast of Norrkoping (ESWI) transmissions

Notes:
Abbreviations used in column 'Contents' have the following meaning:
GME = Global model (31 layers, 60 km)
H = Contour lines (gpdam)
MSL = Mean sea level
T = IsothermC
U = Relative humidity (%)

Internet Weather Services: Radiofax web link: http://www.dwd.de/de/wir/Geschaeftsfelder/Seeschifffahrt/Sendeplaene/Sendeplaene.htm
Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/EDZW/edzwrout.304

GREECE

Station Name: Olympia

Area Covered: Mediterranean

Date: 20/02/2008

Region: VI
METAREA: III
CCCC: LGAT

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4 481 kHz		F3C	white +350 Hz, black -350 Hz	8.0 kW	0845-1044
8 105 kHz		F3C	white +350 Hz, black -350 Hz	8.0 kW	0845-1044

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	S. Europe, Mediterranean, Black Sea: 49°N-23°W; 45°N-42°E; 23°N-7°W; 21°N-35°E	Polar stereographic	
B	Mediterranean: 58°N-3°W; 40°N-44°E; 33°N-3°W; 25°N-31°E	Polar stereographic	
C	Aegean: 42°N-23°E; 38°N-32°E; 36°N-20°E; 32°N-28°E	Polar stereographic	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0845(06)		LGAT	Surface analysis	A	120/576
0857(06)		LGAT	24 hour surface prognosis	A	120/576
0909(06)		LGAT	48 hour surface prognosis	A	120/576
0921(12)		LGAT	30 hour wave height prognosis	B	120/576
0933(12)		LGAT	36 hour wave height prognosis	B	120/576
0945(12)		LGAT	42 hour wave height prognosis	B	120/576
1009(12)		LGAT	30 hour wave height prognosis	C	120/576
1021(12)		LGAT	36 hour wave height prognosis	C	120/576
1033(12)		LGAT	42 hour wave height prognosis	C	120/576
1044(12)		LGAT	48 hour wave height prognosis	C	120/576

Internet Weather Services:

HAWAII (U.S.)

Date: 20/06/2006

Station Name: Honolulu, Hawaii, USA

Area Covered: East Pacific

Region: V
METAREA: XII
CCCC:

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
16 135 kHz	KVM70	F3C	-	5 kW	Except 1030-1630
23 331.5 kHz	KVM70	F3C	-	5 kW	2345-0354
9 982.5 kHz	KVM70	F3C	-	5 kW	1030-1630
11 090 kHz	KVM70	F3C	-	5 kW	Except 2345-0354

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	20N - 70N, 115W - 135E		Ocean Prediction Center
2.	20N - 70N, 115W - 175W		Ocean Prediction Center
3.	20N - 70N, 175W - 135E		Ocean Prediction Center
4.	18N - 62N, EAST OF 157W		Ocean Prediction Center
5.	05N - 55N, EAST OF 180W		Ocean Prediction Center
A.	30S - 50N, 110W - 130E		Honolulu Forecast Office
B.	30S - 30N, 110W - 130E		Honolulu Forecast Office
C.	EQ - 50N, 110W - 130E		Honolulu Forecast Office
D.	30S - 50N, 110W - 160E		Honolulu Forecast Office
E.	EQ - 40N, 80W - 170E		Honolulu Forecast Office
F.	EQ - 55N, 110W - 160E		Honolulu Forecast Office
G.	05S - 55N, 110W - 155E		Honolulu Forecast Office
H.	40S - 05N, 130W - 165E		Honolulu Forecast Office
Y.	05N - 32N, EAST OF 130W		Tropical Prediction Center
Z.	20S - 30N, EAST OF 145W		Tropical Prediction Center

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

HAWAII (U.S.) **Date:** 20/06/2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0030(Latest) 1230(Latest)			East Pacific GOES IR satellite image	EP	120/576
0045(Latest) 0645(Latest) 1245(Latest) 1842(Latest)			West Pacific GOES IR satellite image	SP	120/576
0103(18) 1304(06)			North Pacific surface pressure analysis	J	120/576
0128(18) 1328(06)			48 hour surface/1000-500 hPa thickness forecast	C	120/576
0148(18) 0800(00) 1350(06) 1956(12)			Tropical surface analysis	H	120/576
0209(00)			24 hour streamline/ISOTACH forecast	D	120/576
0234(00)			48 hour streamline/ISOTACH forecast	D	120/576
0258(00) 1444(12)			24 hour wind/wave forecast	G	120/576
0309(00) 1503(12)			48 hour, 72 hour(2) wind/wave forecast	G	120/576
0320(00) 1522(12)			72 hour(2), 48 hour wave period/swell direction	G	120/576
0331(18) 1541(06)			Rebroadcast of 0103/1304	J	120/576
0354(00) 1618(12)			72 hour surface forecast	G	120/576
0405(18)			Pacific sea state analysis	D	120/576
0437(03) 1030(09) 1630(15) 2230(21)			Tropical cyclone danger area	M	120/576
0533 1733			Test, ID, Symbols, general notice	-	120/576
0545(03) 1745(15)			Significant cloud features	A	120/576
0605(00) 0007(18) 1804(12) 1147(06)			Pacific streamline analysis	K	120/576
0630 1827			East Pacific GOES IR satellite image	EP	120/576
0656(00) 1853(12)			North Pacific surface pressure analysis	-	120/576
0721(Latest) 1918(Latest)			Pacific Ocean sea surface temperature	NPA	120/576
0741(06) 1937(18)			24 hour wind/wave forecast (2 charts)	G	120/576
1045 2018			Schedule	-	120/576
1412(00)			24 hour wind/wave forecast	E	120/576
1428(00)			48 hour wind/wave forecast	E	120/576
1607(1200)			24 hour surface forecast	G	120/576
2335(00)			24 hour surface forecast	G	120/576
2345(00) 1210(12)			48 hour surface forecast	G	120/576

HAWAII (U.S.)

Date: 20/06/2006

Subject to change on or about Aug 01, 2007.

STREAMLINES ARE LINES OF CONSTANT WIND DIRECTION. WIND SPEEDS ARE GIVEN BY WIND BARBS INDEPENDENT OF STREAMLINES. THE SIGNIFICANT CLOUD FEATURES CHARTS DEPICT CLOUD FEATURES BASED UPON IMAGES FROM THE VARIOUS GEOSTATIONARY AND POLAR ORBITING SATELLITES OVER THE PACIFIC. ABBREVIATIONS ON THESE CHARTS INCLUDE: AC - ALTOCUMULUS;
AS - ALTOSTRATUS; BKN - BROKEN; CB - CUMULONIMBUS; CC - CIRROCUMULUS; CI - CIRRUS; CS - CIRROSTRATUS; CU - CUMULUS; FEW - FEW; ISOL - ISOLATED; LYRS - LAYERS; NS - NIMBOSTRATUS; OVC - OVERCAST; SC - STRATO-CUMULUS; SCT - SCATTERED; TCU - TOWERING CUMULUS; TSTM – THUNDERSTORM RADIOFAX FREQUENCIES ARE ASSIGNED FREQUENCIES. TO CONVERT TO CARRIER
FREQUENCIES, SUBTRACT 1.9 KHZ FROM THE ASSIGNED FREQUENCIES.

YOU MAY ADDRESS COMMENTS ABOUT THIS BROADCAST TO:
Meteorologist In Charge
National Weather Service
2525 Correa Rd.
Honolulu, HI 96822
PHONE: (808) 973-5275/FAX: (808) 973-5281
E-Mail Nezette.Rydell@noaa.gov

Internet Weather Services: http://weather.noaa.gov/fax/hawaii.shtml
Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804

INDIA

Station Name: New Delhi

Area Covered: Region II (Asia) (SEE MAP)

Date: 2006

Region: II
METAREA: VIII(N)
CCCC: DEMS

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 404.9 kHz	ATP 57	B9W	white +400 Hz, black -400 Hz	10 kW	1430-0230
14 842.0 kHz	ATP 65	B9W	white +400 Hz, black -400 Hz	10 kW	0230-1430

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	45°N-30°E; 45°N-125°E; 25°S-30°E; 25°S-125°E	Mercator	1: 20.000.000
B	40°N-30°E; 40°N-125E; 0°-30°E; 0°-125°E	Mercator	1: 20.000.000
E	60°N-25°E; 60°N-120°E; 0°-25°E; 0°-120°E	Mercator	1: 20.000.000
F	25°N-55°E; 25°N-100°E; 0°-55°E; 0°-100°E	Mercator	1: 20.000.000
H	67.5°N-0°; 67.5°N-180°E; 15°S-0°; 15°S-180°E	Mercator	1: 20.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

INDIA **Date:** 2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0011(18) 0634(00) 1820(12) 1211(06)		DEMS	Surface analysis	A	120/576
0030(12) 1230(00)		DEMS	24 hour 250 hPa wind & temperature prognosis	H	120/576
0050(12) 1248(00)		DEMS	24 hour 500 hPa wind & temperature prognosis	H	120/576
0110(12) 1306(00)		DEMS	24 hour 850 hPa wind & temperature prognosis	H	120/576
0130(18)		DEMS	Significant weather prognosis for period 0300-1500	B	120/576
0150(12)		DEMS	ECMWF(1) 96 hour 500 hPa forecast	A	120/576
0210(12) 1400(00)		DEMS	24 hour 400 hPa wind & temperature forecast	H	120/576
0238(12) 1342(00)		DEMS	24 hour 300 hPa wind & temperature forecast	H	120/576
0300(12) 1506(00)		DEMS	24 hour 700 hPa wind & temperature forecast	H	120/576
0320(12) 1430(00)		DEMS	24 hour 200 hPa wind & temperature forecast	H	120/576
0340(12) 1448(00)		DEMS	24 hour 150 hPa wind & temperature forecast	H	120/576
0400(12)		DEMS	ECMWF(1) 48 hour 200 hPa wind forecast	A	120/576
0420(12)		DEMS	ECMWF(1) 72 hour 500 hPa forecast	A	120/576
0440		DEMS	7 day mean Sea Surface Temperature	F	120/576
0600(12)		DEMS	Infra-red satellite image	F	120/576
0622 1810		DEMS	Test chart	-	120/576
0654(00) 1910(12)		DEMS	850 hPa upper air analysis	A	120/576
0714(00) 1928(12)		DEMS	700 hPa upper air analysis	A	120/576
0734(00) 1946(12)		DEMS	500 hPa upper air analysis	A	120/576
0753(00) 2004(12)		DEMS	300 hPa upper air analysis	A	120/576
0812(00) 2022(12)		DEMS	Surface prognosis	A	120/576
0834(00)		DEMS	Significant weather prognosis for period 0900-2100	B	120/576
0856(00) 2100(12)		DEMS	200 hPa upper air analysis	A	120/576
0916(00) 2118(12)		DEMS	850-500 hPa thickness	A	120/576
0936(00) 2223(12)		DEMS	500 hPa upper air prognosis	A	120/576
1005(00) 2205(12)		DEMS	Digital significant weather received from Tokyo	-	120/576
1025(00) 2241(12)		DEMS	300 hPa upper air prognosis	A	120/576
1055(00) 2259(12)		DEMS	250 hPa upper air prognosis	A	120/576
1115(00) 2317(12)		DEMS	200 hPa upper air prognosis	A	120/576
1135(00) 2335(12)		DEMS	Tropopause/maximum wind prog	A	120/576
1153(00) 2353(12)		DEMS	100 hPa upper air prognosis	A	120/576
1324(06)		DEMS	Significant weather prognosis for period 1500-0300	B	120/576
1342(00)		DEMS	24 hour 300 hPa wind & temperature prog	H	120/576
1430(00)		DEMS	24 hour 200 hPa wind & temperature prog	H	120/576
1448(00)		DEMS	24 hour 150 hPa wind & temperature prog	H	120/576
1506(00)		DEMS	24 hour 700 hPa wind & temperature forecast	H	120/576
1840(12)		DEMS	850 hPa relative vorticity	E	120/576

INDIA **Date:** 2006

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
2040(12)		DEMS	Significant weather prognosis for period 2100-0900	-	120/576
2136(12)		DEMS	500 hPa relative vorticity	E	120/576

Notes:
(a) Carrier Frequency is 1.9 kHz below the assigned frequency.
(b) Reported inoperative (Jan 2004).

(1) ECMWF = European Centre for Medium-range Weather Forecasts.

Internet Weather Services: Radiofax web link: http://indiannavy.nic.in/

ITALY

Date: 2006

Station Name: Roma

Area Covered: Europe, North Africa and Near East

Region: VI
METAREA: III
CCCC: LIIB

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4.777,5 kHz	IMB51	F3C	white +400 Hz, black -400 Hz	5 kW	H24
8 146,6 kHz	IMB55	F3C	white +400 Hz, black -400 Hz	5 kW	H24
13.597,5 kHz	IMB56	F3C	white +400 Hz, black -400 Hz	5 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
B	52°N-31°W; 45°N-61°E; 24°N-10°W; 21°N-37°E	Polar Stereographic	1: 20.000.000
B1	52°N-31°W; 45°N-61°E; 24°N-10°W; 21°N-37°E	Polar Stereographic	1: 15.000.000
D	49°N- 25°W; 49°N-45°E; 28°N-10°W; 28°N-30°E	Polar Stereographic	1: 15.000.000
E	54°N-90°W; 54°N-90°E; 17°N-27°W; 17°N-27°E	Polar Stereographic	1: 40.000.000
I1	50°N-05°E; 50°N-20°E; 35°N-05°E; 35°N-20°E	Mercator	1: 4.000.000
M	51°N-46°W; 56°N-60°E; 25°N-17°W; 27°N-33°E	Polar Stereographic	1: 15.000.000
S	45°N-06°W; 41°N-39°E; 29°N-01°W; 26°N-31°E	Polar Stereographic	1: 10.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

ITALY **Date:** 2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0048(12) 0654(18) 1248(18) 1900(06)		LIIB	FL 390, 340, 300, 240, 180, 100, 50 significant weather prognosis	M	120/576
0248(12) 0848(18) 1448(00)2048(06)		LIIB	FL 100-450 significant weather and troppopause / maximum wind prognosis	M	120/576
0345(12) 1555(00)		LIIB	Test chart / FL 100-450 significant weather and tropopause / maximum wind prognosis (if no broadcasts at 0248(12) 0848(18) 1448(00) 2048(06)	B1	120/576
0400(00) 1700(12)		LIIB	Area D: 3 hour pressure change followed by Area B:500 hPa analysis	D/B	120/576
0415(00)		LIIB	Surface analysis (summer time)	B1	120/576
0425(00) 1810(12)		LIIB	Freezing level analysis followed by 850 hPa analysis	B	120/576
0437(03) 1200(09) 1745(15) 2252(21)		LIIB	Italy	I1	120/576
0457(00)		LIIB	Surface analysis (standard time)	B1	120/576
0510(00) 1715(12)		LIIB	700 hPa and 300 hPa analysis	B	120/576
0522(00) 1730(12)		LIIB	200 hPa tropopause / maximum wind prognosis	B	120/576
0535(12) 1140(18) 1630(00) 2240(06)		LIIB	Significant weather at low level prognosis	I1	120/576
0859(06)		LIIB	36 hour 500 hPa prognosis	E	120/576
0906(00)		LIIB	48 hour 500 hPa prognosis	E	120/576
0913(00)		LIIB	72 hour 500 hPa prognosis	E	120/576
0920(00)		LIIB	96 hour 500 hPa prognosis	E	120/576
0927(00)		LIIB	120 hour 500 hPa prognosis	E	120/576
1000(18) 2335(06)		LIIB	Test chart/FL 100-450 Sigwx & tropopause / max wind prog (if no broadcasts at 0248(12) 0848(18) 1448(00) 2048(06)	B1	120/576
1030(06) 2322(18)		LIIB	Area B: 24 hour pressure change followed by Area D:3 hour pressure change	B/D	120/576
1045(06)		LIIB	Surface analysis	B1	120/576
1153(12) 2230(00)		LIIB	Mediterranean sea state prognosis	S	120/576
1645(12) 2312(18)		LIIB	Surface analysis	B	120/576

Notes:
SW TMW: Tempo significativo + tropopausa e vento massimo;
FZRL: freezing level; SWL: tempo significativo bassi livelli;
AU: analisi in quota; FU: prevista in quota;
AS: analisi al suolo; FS: prevista al suolo,
DP: tendenza barometrica
SW TMW: Tempo significativo + tropopausa e vento massimo;
FZRL: freezing level; SWL: tempo significativo bassi livelli;
AU: analisi in quota; FU: prevista in quota;
AS: analisi al suolo;
FS: prevista al suolo,
DP: tendenza barometrica.

Internet Weather Services:

JAPAN

Date: 01/03/2007

Station Name: Tokyo

Area Covered: 90°N, 40°E-10°S, 40°E-10°S, 130°W-90°N, 130°W

Region: II
METAREA: XI
CCCC: RJTD

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
3 622.5 kHz	JMH	F3C	white + 400 Hz,	5 kW	H24
7 795 kHz	JMH 2	F3C	black - 400 Hz	5 kW	00-24
13 988.5 kHz	JMH 4	F3C	white + 400 Hz,	5 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A'	38°12'N- 85°54'E; 50°36'N-177°12'E 12°24'N-110°42'E; 17°24'N-157°12'E	Polar stereographic	1:25,000,000 true at 60°N (21 cm x 31 cm)
c	26°30'N- 62°00'E; 51°00'N-152°00'W 05°00'S-106°00'E; 02°00'N-160°00'E	Polar stereographic	1:42,000,000 true at 60°N (28cm x 34 cm)
C	26°30'N- 62°00'E; 51°00'N-152°00'W 05°00'S-106°00'E; 02°00'N-160°00'E	Polar stereographic	1:20,000,000 true at 60°N (46 cm x 56 cm)
C'	38°30'N- 65°30'E; 38°30'N-145°30'W 01°00'S-112°30'E; 01°00'S-167°00'E	Polar stereographic	1:20,000,000 true at 60°N (46 cm x 56 cm)
C"	37°30'N- 67°00'E; 39°00'N-147°36'W 01°00'S-112°24'E; 00°30'S-166°42'E	Polar stereographic	1:20,000,000 true at 60°N (46 cm x 56 cm)
k	60°00'N-100°00'E; 60°00'N-180°00'E 00°00'N-100°00'E; 00°00'N-180°00'E	Mercator	1:34,770,000 true at 35°N (46 cm x 49 cm)
L	Sea of Okhotsk; northern parts of Sea of Japan; Bo Hai; & adjacent waters of North Pacific	Polar stereographic	1:10,000,000 true at 60°N (46 cm x 28 cm)
L'	48°30'N-151°12'E; 49°12'N-140°00'E 40°24'N-149°12'E; 41°00'N-140°00'E	Polar stereographic	1:5,000,000 true at 60°N (21 cm x 30 cm)
X	47°00'N-116°36'E; 45°42'N-149°24'E 22°36'N-122°06'E; 22°00'N-141°36'E	Polar stereographic	1:6,000,000 true at 60°N (45 cm x 55 cm)

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

Contents of Broadcast	Area Coverage	Hours of Operation	Transmission mode
Tropical cyclone forecast, satellite picture, weather analysis and prognosis charts, sea temperature and current analysis and prognosis charts, sea ice information, and wave analysis and prognosis charts.	Between 90°N and 10°S and Between 40°E and 130°W	00-24	Radio facsimile

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000(12)	FSAS04	RJTD	Retransmission of 2200	c	120/576
0000(12)	FSAS07	RJTD	Retransmission of 2200	c	
0020(12)	FSAS09	RJTD	96H Surface pressure, precipitation prog.	C	120/576
0040(12)	FSAS12	RJTD	120H Surface pressure, precipitation prog.	C	120/576
0103(12), 1303		RJTD	Test chart		120/576
0110(00), 1310(12)		RJTD	Meteorological satellite picture (MTSAT)	C'	120/576
0130	STPN	RJTD	Retransmission of 1019	L	120/576
0130(00)	FIOH04/16	RJTD	Retransmission of 1019	L'	
0150 (00)(1), 1350 (12)(1)	WTAS07	RJTD	Tropical cyclone forecast	C'	120/576
0210 (2)	SOPQ	RJTD	Sea surface current, water temperature at 100m depth	k	120/576
0229 (3)		RJTD	Radio prediction		120/576
0240(00), 1440(12)	ASAS	RJTD	Surface anal.	C'	120/576
0300 (2)	COPQ1	RJTD	Sea surface water temp.	k	120/576
0320(00)	ASAS	RJTD	The first retransmission of 0240	C'	120/576
0340	MANAM	RJTD	JMH broadcast schedule and manual amendments		120/576
0400 (00)(1)	WTAS07	RJTD	Retransmission of 0150	C'	120/576
0421(00)	AWPN	RJTD	Ocean wave anal.	C"	120/576
0440(00), 1719 (12)(1)	AWJP	RJTD	Coastal wave anal.	X	120/576
0459(00), 1640(12)	AUAS50	RJTD	500hPa height, temp.	C	120/576
0518(00), 1700(12)	AUAS85	RJTD	850hPa height, temp., dew point depression	C	120/576
0537(00)	FSFE02	RJTD	24H Surface pressure, precipitation prog.	A'	
0537(00), 1739(12)	FUFE502	RJTD	24H 500hPa height, vorticity prog.	A'	120/576
0548(00)	FSAS24	RJTD	24H Surface prog.	C'	120/576
0610(00)	ASAS	RJTD	The second retransmission of 0240	C'	120/576
0630(00)	FSAS07	RJTD	72H Surface pressure, precipitation prog.	c	
0630(00)	FSAS04	RJTD	48H Surface pressure, precipitation prog.	c	120/576
0651(00)	FWPN	RJTD	24H Ocean wave prog.	C"	120/576
0710(06), 1910(18)		RJTD	Meteorological satellite picture (MTSAT)	C'	120/576
0730(00)	FWJP	RJTD	24H Coastal wave prog.	X	120/576
0750 (06)(1), 1950 (18)(1)	WTAS07	RJTD	Tropical cyclone forecast	C'	120/576
0809(00)	FUFE503	RJTD	36H 500hPa height, vorticity prog.	A'	120/576
0809(00), 1810(12)	FSFE03	RJTD	36H Surface pressure, precipitation prog.	A'	
0820(00), 2100(12)	FSAS48	RJTD	48H Surface prog.	C'	120/576
0840(06), 2040(18)	ASAS	RJTD	Surface anal.	C'	120/576
0900 (06)(1)	WTAS07	RJTD	Retransmission of 0750	C'	120/576
0920(06)	ASAS	RJTD	The first retransmission of 0840	C'	120/576
0940(00)	FSAS04	RJTD	Retransmission of 0630	c	120/576

JAPAN **Date:** 01/03/2007

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0940(00)	FSAS07	RJTD	Retransmission of 0630	c	
1000(00)	FSAS48	RJTD	Retransmission of 0820	C'	120/576
1019 (00)(5)	FIOH04/16	RJTD	48H and 168H Sea ice condition prog. (seasonal)	L'	
1019 (4)	STPN	RJTD	Sea ice condition (seasonal)	L	120/576
1040(00)	FSAS24	RJTD	Retransmission of 0548	C'	120/576
1100(00)	AWPN	RJTD	Retransmission of 0421	C"	120/576
1119(00)	AWJP	RJTD	Retransmission of 0440	X	120/576
1140(00)	FWPN	RJTD	Retransmission of 0651	C"	120/576
1200(06)	ASAS	RJTD	The second retransmission of 0840	C'	120/576
1220(00)	FWPN07	RJTD	72H Ocean Wave prog.	C"	120/576
1240(00)	FXFE782	RJTD	24H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1240(00)	FXFE572	RJTD	24H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1251(00)	FXFE573	RJTD	36H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1251(00)	FXFE783	RJTD	36H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1330(00)	FWJP	RJTD	Retransmission of 0730	X	120/576
1420 (2)	SOPQ	RJTD	Retransmission of 0210	k	120/576
1520(12)	ASAS	RJTD	The first retransmission of 1440	C'	120/576
1540 (12)(1)	WTAS07	RJTD	Retransmission of 1350	C'	120/576
1620 (2)	COPQ1	RJTD	Retransmission of 0300	k	120/576
1739(12)	FSFE02	RJTD	24H Surface pressure, precipitation prog.	A'	
1750(12)	ASAS	RJTD	The second retransmission of 1440	C'	120/576
1810(12)	FUFE503	RJTD	36H 500hPa height, vorticity prog.	A'	120/576
1821(12)	FXFE572	RJTD	24H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1821(12)	FXFE782	RJTD	24H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1832(12)	FXFE573	RJTD	36H 500hPa temp., and 700hPa dew point depression prog.	A'	120/576
1832(12)	FXFE783	RJTD	36H 850hPa temp., wind and 700hPa vertical P-velocity prog.	A'	
1850(12)	FWPN07	RJTD	72H Ocean Wave prog.	C"	120/576
1930(12)	FSAS24	RJTD	24H Surface prog.	C'	120/576
2010 (12) (1)	FWJP	RJTD	24H Wave prog.	X	120/576
2120(18)	ASAS	RJTD	The first retransmission of 2040	C'	120/576
2140 (18)(1)	WTAS07	RJTD	Retransmission of 1950	C'	120/576
2200(12)	FSAS04	RJTD	48H Surface pressure, precipitation prog.	c	120/576
2200(12)	FSAS07	RJTD	72H Surface pressure, precipitation prog.	c	
2220 (12) (1)	AWJP	RJTD	Retransmission of 1719	X	120/576
2240(18)	ASAS	RJTD	The second retransmission of 2040	C'	120/576
2300(12)	FSAS24	RJTD	Retransmission of 1930	C'	120/576
2320 (12) (1)	FWJP	RJTD	Retransmission of 2010	X	120/576
2340(12)	FSAS48	RJTD	Retransmission of 2100	C'	120/576

Notes:
1. Alternating black and white signals with frequency of 300 Hz will be transmitted for 10 seconds prior to the phasing signal.
2. Phasing signals will be transmitted for 30 seconds prior to transmission of each chart.
3. Stop signals will be transmitted for 15 seconds after transmission of each chart.

(1) In case of tropical cyclone.
(2) Every Tuesday and Friday.
(3) On the 20th and 21st of each month.
(4) Every Tuesday and Friday. Retransmission: at 0130 on the next day.
(5) Every Wednesday and Saturday. Retransmission : at 0130 on the next day.

Internet Weather Services: Radiofax web link: http://www.kishou.go.jp/177jmh/JMH-ENG.pdf
Routeing Catalogue web link: http://ddb.kishou.go.jp/GTS_routeing/RJTD/RJTDROCA.TXT

KENYA

Date: 09/06/2003

Station Name: Nairobi

Area Covered:

Region: I
METAREA: VIII(S)
CCCC: HKNC

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9 043 kHz	5YE 1	F3C	white/black +or- 400 Hz	10 kW	H24
17 445.6 kHz	5YE 2	F3C	white/black +or- 400 Hz	10 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	30°N-30°S; 05°W-70°E	Mercator	1: 15.000.000 at 22°30'
B	55°N-35°S; 20°W-90°E		1: 25.000.000 at 22°30'
C	22°N-02°S; 25°E-60°E		1: 7.500.000 at 22°30'
D	30°N-30°S; 15°E-70°E		1: 15.000.000 at 22°30'
E	20°N-30°S; 30°E-70°E		1: 15.000.000 at 22°30'

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

KENYA **Date:** 09/06/2003

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0010(12) 0600(18) 1037(00) 1742(06)		HKNC	Sigwx FL250	B	120/576
0100(00)		HKNC	Sigwx below FL240 (1200) - Form No. 585A	B	120/576
0140(12)		HKNC	Tabular forecast - Form No. 2053	B	120/576
0540(18) 2350(12)		HKNC	SIGWX FL100-250	B	120/576
0630 0645		HKNC	Climate outlook	-	120/576
0800(12)		HKNC	Sigwx below FL240 - Form No.585A	-	120/576
0830(8)		HKNC	Test chart	-	120/576
0844(00 2055(12)		HKNC	FL180 prognostic	B	120/576
0903(00) 2114(12)		HKNC	FL300 prognostic	B	120/576
0922(00) 2133(12)		HKNC	FL340 prognostic	B	120/576
0941(00) 2152(12)		HKNC	FL390 prognostic	B	120/576
1017(00) 2350(12)		HKNC	Sigwx FL100-250	A	120/576
1057(06)		HKNC	Surface analysis	D	120/576
1112 1653(12)		HKNC	850 HPA upper-air analysis	B	120/576
1127(06) 1455(12)		HKNC	24-hour change of pressure	D	120/576
1142 1802(12)		HKNC	H+24 surface prognosis	B	120/576
1210 1820(12)		HKNC	FL100 upper-air analysis	D	120/576
1229 1839(12)		HKNC	FL180 upper-air analysis	D	120/576
1248 1858(12)		HKNC	FL300 upper-air analysis	D	120/576
1307 1917(12)		HKNC	FL340 upper-air analysis	D	120/576
1326 1936(12)		HKNC	FL390 upper-air analysis	B	120/576
1345(06) 1708(12)		HKNC	Indian Ocean analysis	E/B	120/576
1376(12) 1430(12)		HKNC	Low level convergence zone	C	120/576
1600(06)		HKNC	Sigwx FL250 (segment)	A	120/576
1638(12)		HKNC	Surface analysis	D	120/576

NOTE
(a) Changes to the schedule will be transmitted at 0830 in place of the normal test chart

Within a radius of 3 000 miles from Nairobi
Internet Weather Services:

NEW ZEALAND

Date: 01/05/2002

Station Name: Wellington (Transmitting station: Auckland)

Area Covered: 30N - 60S, 140E - 120W

Region: V
METAREA: XIV
CCCC: NZKL

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
16 340.1 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	2145-0500
13 550.5 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	H24
9 459 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	H24
5 807 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	H24
3 247.4 kHz	ZKLF	F3C	white +400 Hz, black -400 Hz	5 kW	0945-1700

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
SWP	SW Pacific		
TNZ	Tasman Sea - New Zealand		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000(00) 1200(12)		NZKL	Southwest Pacific 30 hour surface prognosis (MSL)	SWP	120/576
0100(00) 1300(12)		NZKL	Southwest Pacific 48 hour surface prognosis (MSL)	SWP	120/576
0200(00) 1400(12)		NZKL	Southwest Pacific 72 hour surface prognosis (MSL)	SWP	120/576
0300(00) 0900(06) 1600(12) 2100(18)		NZKL	TASMAN-NEW ZEALAND MSL analysis	TNZ	120/576
0400(00) 1000(06) 1600(12) 2200(18)		NZKL	Southwest Pacific MSL analaysis	SWP	120/576
1100 2300		NZKL	Transmission schedule	-	-

Single transmitter used. Times reflect broadcast times at 5807 kHz
Add 15 minutes for 9459 kHz, 30 minutes for 13550.5 kHz and 45 minutes for 3247.4 and 16340.1 kHz

Internet Weather Services:

NEW ZEALAND

Station Name: Auckland

Area Covered: 30N - 60S, 140E - 120W

Date: 01/05/2002

Region: V
METAREA: XIV
CCCC: NZKL

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

	Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
A	3 247.4 kHz					
B	5 807 kHz					
C	9 459 kHz					
D	13 550.5 kHz					
E	16 340.1 kHz					

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
SWP	00°-146°E; 00°-157°W; 36°S-110°E; 36°S-120°W	Polar Stereographic	1:20,000,000
TNZ	23°S-144°E; 23°N-174°W; 48°S-127°E; 48°S-157°W	Polar Stereographic	1:20,000,000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

NEW ZEALAND **Date:** 01/05/2002

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
A: 1045(00) 1645(12)		NZKL	SW Pacific MSL analysis	SWP	120/576
A: 1145		NZKL	Transmission schedule		120/576
A: 1245(12)		NZKL	SW Pacific MSL Prognosis (H+30)	SWP	120/576
A: 1345(12)		NZKL	SW Pacific MSL Prognosis (H+48)	SWP	120/576
A: 1445(12)		NZKL	SW Pacific MSL Prognosis (H+72)	SWP	120/576
A: 1545(12)		NZKL	Tasman - New Zealand MSL analysis	TNZ	120/576
B: 0000(00) 1200(12)		NZKL	SW Pacific MSL Prognosis (H+30)	SWP	120/576
B: 0100(00) 1300(12)		NZKL	SW Pacific MSL Prognosis (H+48)	SWP	120/576
B: 0200(00) 1400(12)		NZKL	SW Pacific MSL Prognosis (H+72)	SWP	120/576
B: 0300(00) 0900(06) 1500(12) 2100(18)		NZKL	Tasman - New Zealand MSL analysis	TNZ	120/576
B: 0400(00) 1000(06) 1600(12) 2200(18)		NZKL	SW Pacific MSL analysis	SWP	120/576
B: 1100 2300		NZKL	Transmission schedule		120/576
C: 0015(00) 1215(12)		NZKL	SW Pacific MSL Prognosis (H+30)	SWP	120/576
C: 0015(00) 1315(12)		NZKL	SW Pacific MSL Prognosis (H+48)	SWP	120/576
C: 0215(00) 1415(12)		NZKL	SW Pacific MSL Prognosis (H+72)	SWP	120/576
C: 0315(00) 0915(06) 1515(12) 2115(18)		NZKL	Tasman - New Zealand MSL analysis	TNZ	120/576
C: 0415(00) 1015(06) 1615(12) 2215(18)		NZKL	SW Pacific MSL analysis	SWP	120/576
C: 0430(00) 1030(06) 1630(12) 2230(18)		NZKL	SW Pacific MSL analysis	SWP	120/576
C: 1115 2315		NZKL	Transmission schedule		120/576
D: 0030(00) 1230(12)		NZKL	SW Pacific MSL Prognosis (H+30)	SWP	120/576
D: 0030(00) 1330(12)		NZKL	SW Pacific MSL Prognosis (H+48)	SWP	120/576
D: 0230(00) 1430(12)		NZKL	SW Pacific MSL Prognosis (H+72)	SWP	120/576
D: 0330(00) 0930(06) 1530(12) 2130(18)		NZKL	Tasman - New Zealand MSL analysis	TNZ	120/576
D: 1130 2330		NZKL	Transmission schedule		120/576
E: 0045(00)		NZKL	SW Pacific MSL Prognosis (H+48)	SWP	120/576
E: 0045(00)		NZKL	SW Pacific MSL Prognosis (H+30)	SWP	120/576
E: 0245(00)		NZKL	SW Pacific MSL Prognosis (H+72)	SWP	120/576
E: 0345(00) 0945(06) 2145(18)		NZKL	Tasman - New Zealand MSL analysis	TNZ	120/576
E: 0445(00) 2245(18)		NZKL	SW Pacific MSL analysis	SWP	120/576
E: 2345		NZKL	Transmission schedule		120/576

Internet Weather Services:

REPUBLIC OF KOREA

Date: 2006

Station Name: Seoul

Area Covered:

Region: II
METAREA: XI
CCCC: RKSL

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
5 857.5 kHz	HLL2	F3C	-	3 kW	H24
5 385 kHz	HLL2	F3C	-	3 kW	H24
7 433.5 kHz	HLL2	F3C	-	3 kW	H24
13 570 kHz	HLL2	F3C	-	3 kW	H24
9 165 kHz	HLL2	F3C	-	3 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	44°N-70°E; 48°N-177°E; 08°N-102°E; 09°N-145°E	Lambert	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

REPUBLIC OF KOREA **Date:** 2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000, 1200		RKSL	Local weather advisory/warning report (Korean)	-	120/576
0020(00), 1220(12)		RKSL	Local weather advisory/warning report (Korean)	-	120/576
0032(00) 0632(06) 0932(09) 2132(21)		RKSL	Lighthouse weather observation report (Korean)	-	120/576
0046(00) 0346(03) 0646(06) 0946(09) 1246(12) 1546(15) 1846(18) 2146(12)		RKSL	Weather observation report for fishery (Korean)	-	120/576
0120		RKSL	Manual amendments	-	120/576
0140(00) 0440(03) 0740(06) 1040(09) 1340(12) 1640(15) 1940(18) 2240(21)		RKSL	Surface analysis	-	120/576
0200(00) 1400(12)		RKSL	Typhoon warning and forecast (1)(Korean)	-	120/576
0300		RKSL	Korean peninsula monthly weather forecast (2)(Korean)	-	120/576
0320(03) 0620(06) 0920(09) 1520(15) 1820(18) 2120(21)		RKSL	Sea-shore weather observation report (Korean)	-	120/576
0415		RKSL	Korean peninsula weekly weather forecast (Korean)	-	120/576
0455(00) 1655(12)		RKSL	850 hPa analysis	-	120/576
0507(00) 1707(12)		RKSL	700 hPa analysis	-	120/576
0519(00) 1719(12)		RKSL	500 hPa analysis	-	120/576
0600(00), 1800		RKSL	Local weather advisory/warning report (Korean)	-	120/576
0700(0530) 1900(1730)		RKSL	Satillite imagery	-	120/576
0712		RKSL	SST observation chart of near Korean peninsula area	-	120/576
0800(06) 2000(18)		RKSL	Typhoon warning and 12hr/24hr forecasts (1) (Korean)	-	120/576
0821(00) 2021(12)		RKSL	12 hour sea wave ht & wind forecast of near Korean peninsula	-	120/576
0834(00) 2034(12)		RKSL	24 hour sea wave ht & wind forecast of near Korean peninsula	-	120/576
0847(00) 2047(12)		RKSL	36 hour sea wave ht & wind forecast of near Korean peninsula	-	120/576
0900(0830) 2100(2030)		RKSL	Sea weather forecast over near Korean peninsula (Korean)	-	120/576
1012(0830) 2212(2030)		RKSL	Weather forecast for ship route (Korean)	-	120/576
1500		RKSL	Local weather advisory/warning report (Korean)	-	120/576
2227(22)		RKSL	Lighthouse weather observation report (3) (Korean)	-	120/576

NOTES:
1. In case of typhoon.
2. Broadcast at the end of the month.
3. November to April.
4. Alternating black and white signals with frequency of 300 hz will be Transmitted for 10 seconds prior to the phasing signal.
5. Phasing signals will be transmitted for 30 seconds prior to transmission Of each chart.
6. Stop signals will be transmitted for 15 seconds after each transmission.

Internet Weather Services:

RUSSIAN FEDERATION

Date: 01/11/1997

Station Name: Moscow, Programme 1

Region: VI
METAREA: ??
CCCC: RUMS

Area Covered: (Effective 1.9.1997 stopping radio-facsimile broadcast, the information will be included in "TV-Inform-Meteo")
(A partir du 1.9.1997 il y aura plus de diffusion météorologiques par radio fac-similé, les information seront inclus dans "TV-Inform-Meteo")

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Internet Weather Services: Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/RUMS/RUMSROCA.TXT

RUSSIAN FEDERATION (EUROPE)

Date: 2006

Station Name: Murmansk

Region: VI
METAREA: I
CCCC: RUMS

Area Covered: Arctic Coast - North Atlantic to Barents Sea. Basic coverage area is for Barents Sea.

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 907 kHz		F3C	-	-	1900-0600
8 444 kHz		F3C	-	-	
6 446 kHz		F3C	-	-	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	67°N 032°W, 53°N 047°E, 72°N 074°E, 51°N 004°W		1: 5,000,000
B	79°N 010°E, 74°N 010°E, 79°N 040°E, 74°N 040°E	Mercator	1: 3,000,000
C	78°N 010°E, 66°N 010°E, 78°N 070°E, 66°N 070°E	Mercator	1: 5,000,000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0700(00)		RUMS	36 hour surface prognosis	A	120/576
0800(06)		RUMS	Sea state analysis	C	120/576
1400(12)		RUMS	Analysis of iceberg positions for past 24 hours	C	120/576
1400(12)		RUMS	Surface temperature analysis / Iceberg positions	B	120/576
1430(12)		RUMS	24 hour sea state prognosis	C	120/576
1850		RUMS	Broadcast schedule	-	90/576
2000		RUMS	Iceberg prognosis	-	120/576

(1) Basic coverage area is for Barents Sea.

Internet Weather Services: Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/RUMS/RUMSROCA.TXT

RUSSIAN FEDERATION (IN ASIA)

Station Name: Pevek

Area Covered: Arctic Coast

Date: 2006

Region: II
METAREA: ARCTIC
CCCC: RUMS

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
148 kHz	-	F3C	-	-	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0530-0730		RUMS	Ice	-	90/576
1130-1330		RUMS	Ice	-	90/576
1430-1630		RUMS	Ice	-	90/576

Internet Weather Services:

SENEGAL

Station Name: Dakar

Area Covered: 35°N-15°S, 30°E-30°W (SEE MAP)

Date: 2006

Region: I
METAREA: II
CCCC: GOOY

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
13 667.5 kHz	6VU	F3C	-	10 kW	H24
19750 kHz	6VU	F3C	white +400 Hz, black -400 Hz	10 kW	H24
4 790.5 kHz	6VU	F3C	white +400 Hz, black -400 Hz	5 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	35°N.35°W; 35°N.22°30'E; 0°.35°W; 0°.22°30'E	Mercator	1: 15.000.000
B	55°N.30°W; 55°N.40°E; 55°S.30°W; 5°S.40°E	Mercator	1: 15.000.000
C	40°N.3'°W; 40°N.33°E; 20°S.30°W; 20°N.33°E	Mercator	1: 20.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

SENEGAL **Date:** 2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0100(12), 1300(00)		GOOY	18 hour significant weather prog	B	60/576
0340(00)		GOOY	Test chart	A	120/576
0400(00), 1600(12)		GOOY	Surface analysis	A	120/576
0445(00), 1645(12)		GOOY	850 hPa analysis	A	120/576
0500(00), 1700(12)		GOOY	700 hPa analysis	A	120/576
0515(00), 1715(12)		GOOY	300 hPa analysis	A	120/576
0530(00), 1730(12)		GOOY	250 hPa analysis	A	120/576
0545(18), 1745(06)		GOOY	18 hour significant weather prog	C	60/576
0615(00), 1815(12)		GOOY	200 hPa analysis	A	120/576
0630(00), 1830(12)		GOOY	500 hPa analysis	A/B	120/576
0700(18), 1900(06)		GOOY	18 hour significant weather prog	B	60/576
0740, 1940		GOOY	Test chart 120/576	B	-
0820(00) 2020(12)		GOOY	24 hour upper-air prognosis (FL 180)	B	120/576
0840(00) 2040(12)		GOOY	24 hour upper-air prognosis (FL 300)	B	120/576
0900(00), 2100(12)		GOOY	24 hour upper-air prognosis (FL 340)	B	120/576
0920(00), 2120(12)		GOOY	24 hour upper-air prognosis (FL 390)	B	120/576
0940(00), 2140		GOOY	Test chart	-	120/576
1000(06, 2200(18)		GOOY	Surface analysis	A	120/576
1040, 2240		GOOY	Test chart	-	120/576
1145(00), 2345(12)		GOOY	18 hour significant weather prog	C	60/576
1240		GOOY	Test chart	C	120/576

Internet Weather Services:

SOUTH AFRICA

Station Name: Cape Naval

Area Covered:

Date: 2006

Region: I
METAREA: VII
CCCC: FAPR

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
18 238 kHz	ZSC	F3C	-	10 kW	0600-1600
4 014 kHz	ZSC	F3C	-	10 kW	1600-0600
13 538 kHz	ZSJ	F3C	-	10 kW	H24
7 508 kHz	ZSJ	F3C	-	10 kW	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
AIAA	30°E to 30°W; Antarctic coast to edge of Pack Ice	Polar stereographic	
ASZA	0°.20°W; 0°.70°E; 60°S.50°W; 60°S.90°E (Shipping chart)	Lambert	
FSZA/FUZA	05°S.15°W; 05°S.60°E; 60°S.15°W; 60°S.60°E (for numerical model)	Mercator	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0430		FAPR	Schedule	-	120/576
0500(00) 1030(06) 1530(12) 2230(18)		FAPR	Surface analysis (shipping)	ASZA	120/576
0630(12)		FAPR	Upper-air prognosis (previous day's run)	FUZA	120/576
0730(12)		FAPR	Surface prognosis (previous day's run)	FSXX	120/576
0800		FAPR	Antarctic ice limits. Information updated every two weeks from the National Icenter Centre (US).	AIAA	120/576
0915 1700		FAPR	RTTY (Radio-telex) forecast for the coastal waters and synopsis forecasts for the high seas.	-	-
1100(00)		FAPR	Surface prognosis	FSZA	120/576

Note: Due to operational requirements, broadcasts may be adjusted without notification.

(1) Only broadcast between October and March.

Internet Weather Services:

SOUTH AFRICA

Station Name: Pretoria

Area Covered: METAREA VII

Date: 2006

Region: I
METAREA: VII
CCCC: FAPR

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
13 538 kHz	ZSC	FEC	170 kHz	6 kW	H24
18 238 kHz	ZSC	FEC	170 kHz	6 kW	0600-1600
7 508 kHz	ZSC	FEC	170 kHz	6 kW	H24
4 014 kHz	ZSC	FEC	170 kHz	6 kW	1600-0600

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
-	Antarctic Ice Limits: 20W; 30E Antarctic coast to edge of pack ice	Polar Stereographic	
-	Shipping chart: 0; 20W 0; 70E 60S; 50W 60S; 90E	Mercator	
-	Eastern coastal area: 25S; 15E 25S; 34E - 38S; 15E 38S; 34E	Mercator	
-	10S; 5W 10S; 30E-50S; 20W 45S; 50E	Mercator	
AOZA	15S; 08E 15S; 21E; 34S; 08E 34S; 21E	Mercator (Western Coastal Area)	1: 20.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0500(00) 1030(06) 1530(12) 2230(18)		FAPR	Surface analysis	ASZA	120/576
0630(12)		FAPR	Upper-air prognoses	FUZA	120/576
0730(12) 1100(00)		FAPR	Surface prognoses	FSZA	120/576
0800		FAPR	Antarctic ice limits (Oct to March)	AIAA	120/576

Internet Weather Services:

STATIONS OPERATED BY ARGENTINA

Date: 2006

Station Name: Centro Meteorológico Base Marambio

Region: VII
METAREA: ANTARCTICA
CCCC: SABM

Area Covered: Antarctic area and surroundings

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
9 951 kHz	LSB	F3C	white +400 Hz, black -400 Hz	-	
2 401 kHz	LSB	F3C	white +400 Hz, black -400 Hz	-	
4 807 kHz	LSB	F3C	white +400 Hz, black -400 Hz	-	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	10°S-90°S All longitudes	Polar Stereographic	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0025(21) 1225(09)		SABM	Surface analysis	A	120/576
0325(00) 1525(12)		SABM	Surface analysis et nephanalysis	A	120/576
2030		SABM	24 hour wave height forecast	A	120/576

Internet Weather Services:

STATIONS OPERATED BY CHILE

Date: 2006

Station Name: Centro Meteorológico Presidente Eduardo Frei Montalva

Region: VII
METAREA: ANTARCTICA
CCCC: SCSC

Area Covered: Antarctic area and surroundings

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
15 470 kHz	CAN 6D	-	white +400 Hz, black -400 Hz	1 kW	
11 662.5 kHz	CAN 6D	-	white +400 Hz, black -400 Hz	1 kW	
15 470 kHz	CAN 6D	-	white +400 Hz, black -400 Hz	1 kW	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	Southern hemisphere	Polar Stereographic	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0930 2130		SCSC	Forecast chart	A	120/576
1530(12)		SCSC	Surface chart and satellite picture	A	120/576
2130(18)		SCSC	Surface chart and satellite picture	A	120/576

Internet Weather Services:

THAILAND

Date: 2006

Station Name: Bangkok (Nonthaburi) Meteorological

Area Covered: West Pacific Sea of Japan. Gulf of Thailand, West coast of southern Thailand, Strait of Malacca and South China Sea (see map)

Region: II
METAREA: XI
CCCC: VTBB

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
7 395 kHz	HSW64	3J3	± 3kHz	10 kW	

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	50°N-45°E; 50°N-160°E; 30°S-45°E; 30°S-160°E	Mercator	1: 20.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0050		VTBB	Test chart	A	120/576
0100(00) 0400(03) 0700(06) 1000(09) 1300(112) 1700(17) 2300(17)		VTBB	Forecast for shipping in English plain language	A	120/576
0120(12)		VTBB	Surface pressure forecast based on ECMF 1200	A	120/576
0140(18) 0500(00) 1020(06) 1720(12) 2320(18)		VTBB	Surface analysis	A	120/576
0200		VTBB	Broadcast schedule	A	120/576
0300(12) 0720(12)		VTBB	24 hour surface pressure forecast	A	120/576
0320(12) 0740(12)		VTBB	48 H surface pressure forecast based on ECMF 1200	A	120/576
0340(12)		VTBB	72 H surface pressure forecast based on ECMF 1200	A	120/576
0420(12) 0820(12)		VTBB	24 H 850 hPa (wind/temp) forecast based on ECMF 1200	A	120/576
0520(00)		VTBB	850 hPa analysis	A	120/576
0540(00)		VTBB	700 hPa analysis	A	120/576
0600(00)		VTBB	500 hPa analysis	A	120/576
0800(12)		VTBB	72 hour surface pressure forecast	A	120/576

Internet Weather Services:

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Date: 2006

Station Name: Northwood

Area Covered: North Atlantic (Central and Eastern areas), North-west Europe and the Mediterranean area

Region: VI
METAREA: I
CCCC: EGRR

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

	Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
Gulf	18 261 kHz	-	-	-	-	H24
Gulf	14 436 kHz	-	-	-	-	HX
Gulf	6 834 kHz	-	-	-	-	H24
Gulf	3 289.5 kHz	-	-	-	-	HX
North Atlantic	11 086.5 kHz	-	-	-	-	H24
North Atlantic	2 618.5 kHz	-	-	-	-	H24
North Atlantic	4 610 kHz	-	-	-	-	H24
North Atlantic	8 040 kHz	-	-	-	-	H24

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
A	54°N-82°W; 26°N-45°W; 54°N.51°E; 285°N-12°E	North Atlantic Ocean, Europe and the Mediterranean Sea	
B	40°30'N-15°30'E; 40°30'N-80°E; 3°N-15°30'E; 3°N-80°E	Mercator - Gulf	

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Date: 2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0000(18), 1200(06)		EGRR	Surface analysis	A	120/576
0012(18), 1212(06)		EGRR	24 hour surface prognosis	A	120/576
0024(18), 1224(06)		EGRR	24 hour 850 hPa wet bulb potential temperature/precipitation	A	120/576
0036(18), 1236(06)		EGRR	24 hour air temperature / dew point	A	120/576
0048(12), 1248(00)		EGRR	Ship Ice Accretion	A	120/576
0100, 1300		EGRR	Schedule	A	120/576
0106, 1306		EGRR	Schedule	B	120/576
0118 1318		EGRR	Request for reception quality reports	B	120/576
0124 1324		EGRR	Request for reception quality reports	B	120/576
0136, 1336		EGRR	Ocean fronts	A	120/576
0148(18), 1348(06)		EGRR	300 hPa geopotential height analysis	A	120/576
0212		EGRR	Symbology	A	120/576
0236(00), 1436(12)		EGRR	Surface analysis	A	120/576
0300(00), 1500(12)		EGRR	Surface analysis	A	120/576
0306(00), 1506(12)		EGRR	Surface analysis	B	120/576
0336, 1536		EGRR	SST	A	120/576
0348(04), 1548(16)		EGRR	Gale warning summary	A	120/576
0354(00), 1554(12)		EGRR	Streamline analysis	B	120/576
0400(00), 1600(12)		EGRR	Surface analysis	A	120/576
0406(00), 1606(12)		EGRR	Surface analysis	B	120/576
0412(00), 1612(12)		EGRR	24 hour air temperature / dew point	A	120/576
0418(00), 1618(12)		EGRR	24 hour 700 hPa wet bulb potential temperature/precipitation	B	120/576
0424(00), 1624(12)		EGRR	24 hour 850 hPa WBPT / PPTN	A	120/576
0430(00), 1630(12)		EGRR	24 hour air temperature / dew point	B	120/576
0436(00), 1636(12)		EGRR	24 hour surface prognosis	A	120/576
0442(00), 1642(12)		EGRR	24 hour surface prognosis	B	120/576
0448(06), 1648(18)		EGRR	SCEXA TAFS	A	120/576
0454(03), 1654(15)		EGRR	Gulf TAFS	B	120/576
0500(00), 1700(12)		EGRR	Surface analysis	A	120/576
0506(00), 1706(12)		EGRR	Surface analysis	B	120/576
0512(00), 1712(12)		EGRR	24 hour surface prognosis	A	120/576
0518(00), 1718(12)		EGRR	24 hour surface prognosis	B	120/576
0524(00), 1724(12)		EGRR	48 hour surface prognosis	A	120/576
0530(00), 1730(12)		EGRR	48 hour surface prognosis	B	120/576
0536(06), 1736(18)		EGRR	SCEXA TAFS	A	120/576
0542(06), 1742(18)		EGRR	Gulf TAFS	B	120/576
0548(06), 1748(18)		EGRR	Gale warning summary	A	120/576

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Date: 2006

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0600(00), 1800(12)		EGRR	Surface analysis	A	120/576
0606(00), 1806(12)		EGRR	Surface analysis	B	120/576
0612(00), 1812(12)		EGRR	24 hour surface prognosis	A	120/576
0618(00), 1818(12)		EGRR	24 hour surface prognosis	B	120/576
0648(07), 1848(19)		EGRR	SCEXA TAFS	A	120/576
0654(06), 1854(18)		EGRR	Gulf TAFS	B	120/576
0700(07), 1900(19)		EGRR	Spare SCEXA TAFS	A	120/576
0706, 1906		EGRR	Spare TAFS	B	120/576
0712(00), 1912(12)		EGRR	24 hour significant wind prognosis	A	120/576
0718(00), 1918(12)		EGRR	24 hour significant wind prognosis	B	120/576
0724(00), 1924(24)		EGRR	48 hour surface prognosis	A	120/576
0730(00), 1930(12)		EGRR	48 hour surface prognosis	B	120/576
0736(00), 1936(12)		EGRR	72 hour surface prognosis	A	120/576
0742(00), 1942(12)		EGRR	72 hour surface prognosis	B	120/576
0748(00), 1948(12)		EGRR	96 hour surface prognosis	A	120/576
0754(00), 1954(12)		EGRR	96 hour surface prognosis	B	120/576
0800(00), 2000(12)		EGRR	120 hour surface prognosis	B	120/576
0806(00), 2006(12)		EGRR	120 hour surface prognosis	B	120/576
0812(00), 2012(12)		EGRR	Thickness/Geopotential height analysis	A	120/576
0818(00), 2018(12)		EGRR	Thickness/Geopotential height analysis	B	120/576
0824(00), 2024(12)		EGRR	48 hour surface prognosis	A	120/576
0836(00), 2036(12)		EGRR	72 hour significant winds	A	120/576
0848(00), 2048(12)		EGRR	96 hour significant winds	A	120/576
0900(06), 2100(18)		EGRR	Surface analysis	A	120/576
0912(00), 2112(12)		EGRR	Thickness/Geopotential height analysis	A	120/576
0924(00), 2124(12)		EGRR	24 hour thickness / geopotential height analysis	A	120/576
0930(00), 2130(12)		EGRR	24 hour thickness / geopotential height analysis	B	120/576
0936(00), 2136(12)		EGRR	24 hour 850 hPa spot winds	A	120/576
0942(00), 2142(12)		EGRR	24 hour 850 hPa winds	B	120/576
0948(00), 2148(12)		EGRR	24 hour 700 hPa spot winds	A	120/576
0954(00), 2154(12)		EGRR	24 hour 700 hPa winds	B	120/576
1000(06), 2100(18)		EGRR	Surface analysis	A	120/576
1006(00), 2206		EGRR	Sea surface temperature	B	120/576
1012(06), 2212(18)		EGRR	24 hour surface prognosis	A	120/576
1024(06), 2224(18)		EGRR	24 hour reduced visibility	A	120/576
1036(06), 2236(18)		EGRR	24 hour 850 hPa wet bulb potential temperature/precipitation	A	120/576
1042(00), 2242(18)		EGRR	24 hour 700 hPa wet bulb potential temperature/precipitation	B	120/576
1048(06), 2248(18)		EGRR	24 hour air temperature / dew point	A	120/576

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Date: 2006

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1054(06), 2254(18)		EGRR	24 hour air temperature / dew point	B	120/576
1100(06), 2300(18)		EGRR	Surface analysis	A	120/576
1112(06), 2312(18)		EGRR	24 hour surface prognosis	A	120/576
1124(06), 2324(18)		EGRR	24 hour sea and swell	A	120/576
1130(06), 2330(18)		EGRR	24 hour sea and swell prognosis	B	120/576
1136(00), 2336(12)		EGRR	24 hour thickness / geopotential height analysis	A	120/576
1148(00), 2348(12)		EGRR	Gale warning summary	A	120/576
1400(00)		EGRR	12 hour sea surface temperature	A	120/576
2000(12)		EGRR	120 hour surface prognosis	B	120/576

Notes:
1. Normally three frequencies are in operation at any time. Users should note that transmission of the carrier is turned off between each transmission.
2. Other products to meet the requirements of the Royal Navy, are included in the broadcast, but not listed above.
3. The broadcast from Northwood is maintained to meet the requirements of the Royal Navy. Consequently the broadcast is subject to change or withdrawal without notice

Internet Weather Services: Radiofax web link: http://www.users.zetnet.co.uk/tempusfugit/marine/
Routeing Catalogue web link: ftp://www.wmo.ch/GTS_routeing/EGRR/egrrrmks.498

UNITED STATES OF AMERICA

Station Name: Pt. Reyes, California

Area Covered: Pacific Coast

Date: 20/06/2006

Region: IV
METAREA: XII
CCCC: KWBC

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4346 kHz	NMC	F3C	-	4 KW	NIGHT
8682 kHz	NMC	F3C	-	4 KW	ALL BROADCAST TIMES
12786 kHz	NMC	F3C	-	4 KW	ALL BROADCAST TIMES
17151.2 kHz	NMC	F3C	-	4 KW	ALL BROADCAST TIMES
22527 kHz	NMC	F3C	-	4 KW	DAY

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	20N - 70N, 115W - 135E		
10.	0N - 40N, 80W - 180W		
2.	20N - 70N, 115W - 175W		
3.	20N - 70N, 175W - 135E		
4.	20S - 30N, EAST OF 145W		
5.	05N - 55N, EAST OF 180W		
6.	23N - 60N, EAST OF 150W		
7.	05N - 32N, EAST OF 130W		
8.	18N - 62N, EAST OF 157W		
9.	40N - 53N, EAST OF 136W		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0140/1400		KWBC	TEST PATTERN		
0143(00)/1403(12)		KWBC	NE PACIFIC GOES IR SATELLITE IMAGE	6	
0154(00)/1414(12)		KWBC	PACIFIC GOES IR SATELLITE IMAGE	5	
0205(00)/1425(12)		KWBC	TROPICAL SEA STATE ANALYSIS	4	
0215(00)/1435(12)		KWBC	TROPICAL 24HR WIND/WAVE FORECAST	4	
0225(00)		KWBC	TROPICAL 48HR WIND/WAVE FORECAST	4	
0235(00)		KWBC	TROPICAL 72HR WIND/WAVE FORECAST	4	
0245(00)/1445(12)		KWBC	500MB ANALYSIS	1	
0255(00)/1455(12)		KWBC	SEA STATE ANALYSIS, WIND/WAVE ANALYSIS	1/8	
0305(00)/1505(12)		KWBC	PRELIM SURFACE ANALYSIS (PART 1 NE PAC)	2	
0318(00)/1518(12)		KWBC	PRELIM SURFACE ANALYSIS (PART 2 NW PAC)	3	
0331(00)/153(12)1		KWBC	FINAL SURFACE ANALYSIS(PART 1 NE PAC)	2	
0344(00)/1544(12)		KWBC	FINAL SURFACE ANALYSIS(PART 2 NW PAC)	3	
0357(03)/1557(15)		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	10	
0408(00)/1608(12)		KWBC	TROPICAL SURFACE ANALYSIS	4	
0655/1840		KWBC	TEST PATTERN		
0657(12)		KWBC	2033Z REBROADCAST (96HR 500MB)	1	
0707(12)		KWBC	2043Z REBROADCAST (96HR SURFACE)	1	
0717(12)		KWBC	2053Z REBROADCAST (96HR WIND/WAVE)	1	
0727(12)		KWBC	2103Z REBROADCAST (96HR WAVE PERIOD)	1	
0737(06)/1902(18)		KWBC	TROPICAL GOES IR SATELLITE IMAGE	7	
0748(06)/191(18)		KWBC	WIND/WAVE ANALYSIS	8	
0758(00)/1923(12)		KWBC	24HR 500MB FORECAST	1	
0808(00)/1933(12)		KWBC	24HR SURFACE FORECAST	8	
0818(00)/1943(12)		KWBC	24HR WIND/WAVE FORECAST	8	
0828(00)/1953(12)		KWBC	48HR 500MB FORECAST	1	
0838(00)/2003(12)		KWBC	48HR SURFACE FORECAST	1	
0848(00)/2013(12)		KWBC	48HR WIND/WAVE FORECAST	1	
0858(00)/2023(12)		KWBC	48HR WAVE PERIOD/SWELL DIRECTION	1	
0908(06)/2113(18)		KWBC	PACIFIC GOES IR SATELLITE IMAGE	5	
0919(06)/2124(18)		KWBC	SURFACE ANALYSIS (PART 1 NE PACIFIC)	2	
0932(06)/2137(18)		KWBC	SURFACE ANALYSIS (PART 2 NW PACIFIC)	3	
0945(06)/2150(18)		KWBC	TROPICAL SURFACE ANALYSIS	4	
0959(06)/2204(18)		KWBC	TROPICAL 24HR WIND/WAVE FORECAST	4	
1009(09)/2214(21)		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	10	
1120/2320		KWBC	TEST PATTERN		
1124/2324		KWBC	BROADCAST SCHEDULE (PART 1)		

UNITED STATES OF AMERICA

Date: 20/06/2006

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1135/2335		KWBC	BROADCAST SCHEDULE (PART 2)		
1146		KWBC	REQUEST FOR COMMENTS		
1157		KWBC	PRODUCT NOTICE BULLETIN		
1208(12)		KWBC	TROPICAL 48HR WIND/WAVE FORECAST	4	
1218(12)		KWBC	TROPICAL 72HR WIND/WAVE FORECAST	4	
1228(12)/2346(00)		KWBC	TROPICAL 48HR WAVE PERIOD/SWELL DIR	4	
1842(Latest)		KWBC	SST ANALYSIS	9	
1852(Latest)		KWBC	SST ANALYSIS	6	
2033(12)		KWBC	96HR 500MB FORECAST	1	
2043(12)		KWBC	96HR SURFACE FORECAST	1	
2053(12)		KWBC	96HR WIND/WAVE FORECAST	1	
2103(12)		KWBC	96HR WAVE PERIOD/SWELL DIRECTION	1	
2356(00)		KWBC	TROPICAL 72HR WAVE PERIOD/SWELL DIR	4	

* Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01 - May 14.

(Subject to change on or about Aug 01, 2007).

NOTES:
1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
2. COMMENTS AND SUGGESTIONS SHOULD BE DIRECTED TO:
NATIONAL WEATHER SERVICE/NOAA
NATIONAL CENTER FOR ENVIRONMENTAL PREDICTION
MARINE FORECAST BRANCH W/NMC31
5200 AUTH ROAD
CAMP SPRINGS, MD 20746-4304
PHONE: (301) 763-8294x7401/FAX: (301) 763-8085
EMAIL: David.Feit@noaa.gov

Many of these charts also broadcast from Kodiak, AK and Honolulu, HI

Internet Weather Services: http://weather.noaa.gov/pub/fax/hfreyes.txt
Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804
Further information see: http://www.nws.noaa.gov/om/marine/home.htm

UNITED STATES OF AMERICA

Date: 20/06/2006

Station Name: Boston, Massachusetts (USCG)

Area Covered: North Atlantic to Barents Sea

Region: IV
METAREA: IV
CCCC: KWBC

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4235 kHz	NMF	F3C	-	5 KW	0230z-1028z
6340.5 kHz	NMF	F3C	-	5 KW	ALL BROADCAST TIMES
9110 kHz	NMF	F3C	-	5 KW	ALL BROADCAST TIMES
12750 kHz	NMF	F3C	-	5 KW	1400z-2228z
4 235 kHz	NMF	F3C	-	4 KW	0230z-1015

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	28N-52N, 45W-85W		
2.	18N-65N, 10E-45W		
3.	18N-65N, 40W-95W		
4.	18N-65N, 10E-95W		
5.	20N-55N, 55W-95W		
6.	EQ-60N, 40W-130W		
7.	05N-60N, 0W-100W		
8.	22N-51N, 40W-98W		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

UNITED STATES OF AMERICA **Date:** 20/06/2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0230/1400		KWBC	TEST PATTERN		120/576
0233(00)/1453(12)		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
0243		KWBC	BROADCAST SCHEDULE (PART 1)		120/576
0254		KWBC	BROADCAST SCHEDULE (PART 2)		120/576
0305		KWBC	REQUEST FOR COMMENTS		120/576
0315(00)/1515(12)		KWBC	WIND/WAVE ANALYSIS	8	120/576
0325(00)/1525(12)		KWBC	SURFACE ANALYSIS (PART 1 NE ATLANTIC)	2	120/576
0338(00)/1538(12)		KWBC	SURFACE ANALYSIS (PART 2 NW ATLANTIC)	3	120/576
0351(00)		KWBC	SATELLITE IMAGE	5	120/576
0402(00)/1723(12)		KWBC	(REBROADCAST OF 0325/1525)	2	120/576
0415(00)/1736(12)		KWBC	(REBROADCAST OF 0338/1538)	3	120/576
0428(00)/1749(12)		KWBC	500MB ANALYSIS	4	120/576
0438(Latest)/1810(Latest)		KWBC	ICE CHARTS		120/576
0452(03)/1824(15)		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	7	120/576
0745/1900		KWBC	TEST PATTERN		120/576
0755(06)		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
0805(00)/1905(12)		KWBC	24HR SURFACE FORECAST	8	120/576
0815(00)/1915(12)		KWBC	24HR WIND/WAVE FORECAST	8	120/576
0825(00)/1925(12)		KWBC	24HR 500MB FORECAST	4	120/576
0835(12)/1935(00)		KWBC	36HR 500MB FORECAST	4	120/576
0845(00)/1945(12)		KWBC	48HR 500MB FORECAST	4	120/576
0855(00)/1955(12)		KWBC	48HR SURFACE FORECAST	4	120/576
0905(00)/2005(12)		KWBC	48HR WIND/WAVE FORECAST	4	120/576
0915(00)/2015(12)		KWBC	48HR WAVE PERIOD FORECAST	4	120/576
0925(06)/2125(18)		KWBC	SURFACE ANALYSIS (PART 1 NE ATLANTIC)	2	120/576
0938(06)/2138(18)		KWBC	SURFACE ANALYSIS (PART 2 NW ATLANTIC)	3	120/576
0951/(06)2151(18)		KWBC	SATELLITE IMAGE	6	120/576
1002(06)/2202(18)		KWBC	(REBROADCAST OF 0925/2125)	2	120/576
1015(06)/2215(18)		KWBC	(REBROADCAST OF 0938/2138)	3	120/576
1028(09)/2228(21)		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	7	120/576
1405		KWBC	BROADCAST SCHEDULE (PART 1)		120/576
1420		KWBC	BROADCAST SCHEDULE (PART 2)		120/576
1433		KWBC	REQUEST FOR COMMENTS		120/576
1443		KWBC	PRODUCT NOTICE BULLETIN		120/576
1503(12)		KWBC	SATELLITE IMAGE	5	120/576
1600(Latest)		KWBC	ICE CHARTS		120/576
1720		KWBC	TEST PATTERN		120/576

UNITED STATES OF AMERICA

Date: 20/06/2006

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
1759(12)		KWBC	SEA STATE ANALYSIS	4	120/576
2025(18)		KWBC	PRELIMINARY SURFACE ANALYSIS	1	120/576
2035(12)		KWBC	96 HR 500MB FORECAST	4	120/576
2045(12)		KWBC	96 HR SURFACE FORECAST	4	120/576
2055(12)		KWBC	96 HR WIND/WAVE FORECAST	4	120/576
2105(12)		KWBC	96 HR WAVE PERIOD FORECAST	4	120/576
2115(12)		KWBC	(REBROADCAST OF 2045)	4	120/576

* Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01-May 14. Valid times 00z, 06z, 12z and 18z. Map area 05N-40N, 35W-100W.

NOTES:
1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
2. COMMENTS AND SUGGESTIONS SHOULD BE DIRECTED TO:
NATIONAL WEATHER SERVICE/NOAA
NATIONAL CENTER FOR ENVIRONMENTAL PREDICTION
MARINE FORECAST BRANCH W/NMC31
5200 AUTH ROAD
CAMP SPRINGS, MD 20746-4304
PHONE: (301) 763-8294x7401/FAX: (301) 763-8085
EMAIL: David.Feit@noaa.gov
Tropical cyclone charts also broadcast from New Orleans, LA

Internet Weather Services: Radiofax web link: http://weather.noaa.gov/fax/marsh.shtml
Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804

UNITED STATES OF AMERICA

Date: 20/06/2006

Station Name: New Orleans (USCG)

Area Covered: Gulf coast

Region: IV
METAREA: IV
CCCC: KWBC

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4317.9 kHz	NMG	F3C	-	5 KW	ALL BROADCAST TIMES
8503.9 kHz	NMG	F3C	-	5 KW	ALL BROADCAST TIMES
12789.9 kHz	NMG	F3C	-	5 KW	ALL BROADCAST TIMES
17146.4 kHz	NMG	F3C	-	5 KW	1200-2045

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
1.	5S - 50N, 55W - 125W		
2.	5S - 50N, 0W - 70W		
3.	0N - 31N, 35W - 100W		
4.	12S - 44N, 28W - 112W		
5.	7N - 31N, 35W - 98W (AREA COVERED BY TEXT FORECAST)		
6.	05N - 60N, 0W - 100W		

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

UNITED STATES OF AMERICA **Date:** 20/06/2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
------ /1350(00)		KWBC	(REBROADCAST OF 0150)	3	120/576
------ /1425		KWBC	PRODUCT NOTICE BULLETIN		120/576
0000/1200		KWBC	TEST PATTERN		120/576
0005(18)/1205(06)		KWBC	U.S./TROPICAL SURFACE ANALYSIS (W HALF)	1	120/576
0020(18)/1220(06)		KWBC	TROPICAL SURFACE ANALYSIS (E HALF)	2	120/576
0035(00)/1235(12)		KWBC	24 HR WIND/WAVE FORECAST	3	120/576
0045/1245		KWBC	48 HR WIND/WAVE FORECAST	3	120/576
0055(00)/125512)		KWBC	72 HR WIND/WAVE FORECAST	3	120/576
0105(00)/1305(12)		KWBC	24 HR SURFACE FORECAST	3	120/576
0115(00)/131512)		KWBC	48 HR SURFACE FORECAST	3	120/576
0125(00)/132512)		KWBC	72 HR SURFACE FORECAST	3	120/576
0135(21)/1335(09)		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	6	120/576
0150(00)/------		KWBC	72 HR WAVE PERIOD/SWELL DIRECTION	3	120/576
0200(00)/1400(12)		KWBC	GOES IR TROPICAL SATELLITE IMAGE	4	120/576
0215(00)/1415(12)		KWBC	00 HR SEA STATE ANALYSIS	3	120/576
0225(22)/1445(10)		KWBC	HIGH SEAS FORECAST (IN ENGLISH)	5	120/576
0600/1800		KWBC	TEST PATTERN		120/576
0605(00)/1805(12)		KWBC	U.S./TROPICAL SURFACE ANALYSIS (W HALF)	1	120/576
0620(00)/1820(12)		KWBC	TROPICAL SURFACE ANALYSIS (E HALF)	2	120/576
0635(06)/1835(18)		KWBC	24 HR WIND/WAVE FORECAST	3	120/576
0645(00)/1845(12)		KWBC	(REBROADCAST OF 0045/1245)	3	120/576
0655(00)/1855(12)		KWBC	(REBROADCAST OF 0055/1255)	3	120/576
0705(00)/1905(12)		KWBC	(REBROADCAST OF 0105/1305)	3	120/576
0715(00)/1915(12)		KWBC	(REBROADCAST OF 0115/1315)	3	120/576
0725(00)/1925(12)		KWBC	(REBROADCAST OF 0125/1325)	3	120/576
0735(03)/1935(15)		KWBC	CYCLONE DANGER AREA* or HIGH WIND/WAVES	6	120/576
0750(00)/1950(12)		KWBC	48 HR WAVE PERIOD/SWELL DIRECTION	3	120/576
0800(07)/2000(18)		KWBC	GOES IR TROPICAL SATELLITE IMAGE	4	120/576
0815(00)/2015(12)		KWBC	(REBROADCAST OF 0215/1415)	3	120/576
0825/2025		KWBC	REQUEST FOR COMMENTS/BROADCAST SCHEDULE		120/576
0845(04)/2045(16)		KWBC	HIGH SEAS FORECAST (IN ENGLISH)	5	120/576

UNITED STATES OF AMERICA

Date: 20/06/2006

* Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01-May 14. Valid times 00z, 06z, 12z and 18z. Map area 05N-40N, 35W-100W.

NOTES: 1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
2. THIS BROADCAST ORIGINATES FROM THE TROPICAL PREDICTION CENTER (FORMERLY THE NATIONAL HURRICANE CENTER) OF THE NATIONAL WEATHER SERVICE). COMMENTS AND SUGGESTIONS SHOULD BE DIRECTED TO:
TROPICAL PREDICTION CENTER
ATTN: CHIEF TAFB
11691 SOUTHWEST 17TH STREET
MIAMI, FL 33165-2149
PHONE: (305) 229-4430/FAX: (305) 553-1264
EMAIL: tpc.mar@noaa.gov

Internet Weather Services: Further information see: http://www.nws.noaa.gov/om/marine/home.htm
Routeing Catalogue web link: ftp://tgftp.nws.noaa.gov/wmo/GTS_routeing/KWBC/kwbcrmks.804
http://weather.noaa.gov/fax/gulf.shtml

UZBEKISTAN

Station Name: Tashkent

Area Covered:

Date: 2006

Region: II
METAREA: ??
CCCC: UTTW

I. TECHNICAL SPECIFICATIONS - CARACTÉRISTIQUES TECHNIQUES

Frequency	Call Sign	Class of Emission	Band Width	Power Supplied to the Antenna	Hours of Operation
4 365 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	0300-1500
14 982.5 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	H24
3 690 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	1500-0300
9 340 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	0300-1500
7 570 kHz	RTH Tashkent	F3C	white +400 Hz, black -400 Hz	5 kW	1500-0300

II. MAP AREA - ZONE COUVERTE PAR LA CARTE

Area	Area Coverage	Projection	Scale
M	55°00'N-15°00'E, 55°00'N-105°00'E, 15°00'N-20°00'E, 15°00'N-105°00'W	Polar Stereographic	1: 15.000.000
P	44°55'N-30°21'E, 30°11'N-75°08'E, 27°35'N-41°16'E, 49°25 N-82°03'E	Polar Stereographic	1: 10.000.000
U	45°34'N-36°59'E, 42°54'N-127°30'E, 17°13'N-11°40'E, 16°04'N-80°08'E	Polar Stereographic	1: 24.000.000
V	48°25'N-53°34'E, 47°47'N-80°19'E, 35°38'N-56°35'E, 35°09'N-76°49'E	Polar Stereographic	
X	45°34'N-36°59'W, 43°05'N-127°28'E, 17°17'N-11°36'E, 16°10'N-80°01'E	Polar Stereographic	80°-65°N latitude – 1:37.000.000 65°-55°N latitude – 1:3500.000 55°-45°N latitude – 32.5000.000 45°-35°N latitude – 31.000.000

III. SUMMARY OF TRANSMISSION PROGRAMMES – RÉSUMÉ DES PROGRAMMES DE DIFFUSION

UZBEKISTAN **Date:** 2006

IV. CONTENTS OF BROADCAST SHEDULES - CONTENU DES PROGRAMMES DE DIFFUSION

Transmission Time (Time Group) (UTC)	TTAAii	CCCC	Details of Chart	Map Area	Drum Speed
0005(12), 1230(00)		UTTW	Forecast KWBC	X	90/576
0155(00), 1350(12)		UTTW	Circular chart (RTH Tashkent)	P	60/576
0300(00), (1500(12)		UTTW	Near surface analysis	U	60/576
0345(00)		UTTW	Analysis AT-700	U	90/576
0430(00)		UTTW	Analysis AT-500	U	90/576
0500(03), 1440(12)		UTTW	Nephanalysis	M	90/576
0535(00)		UTTW	Analysis AT-850	U	90/576
0610(00)		UTTW	Analysis AT-300	U	90/576
0755(06), 1905(18)		UTTW	Circular chart (RTH Tashkent)	P	60/576
1005(00)		UTTW	Analysis OT-500-1000	U	90/576
1005(09), 2255(21)		UTTW	Circular chart (RTH Tashkent)	P	60/576
1245(00), 1300(00)		UTTW	Forecast KWBC	X	90/576
1315(00), 2350(12)		UTTW	Forecast KWBC	X	90/576
1655(15)		UTTW	Circular chart (RTH Tashkent)	P	60/576
1930(18)		UTTW	Circular chart (RTH Tashkent)	P	60/576

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