

210400 CENTRAL AMERICA

210401 BALBOA, CANAL ZONE (NBA)

This is the RADIOTELEGRAPH weather portion of the Balboa (NBA) General Broadcast. (See Note 2.)

AREA AFFECTED: Pacific Ocean water area north of the equator, bounded by the coast of Central and South America and thence by a line extending from latitude 14.6°N. and longitude 92.3°W. to the equator at longitude 106°W.

SCHEDULE OF TRANSMISSION

Time of Trans	Frequencies (A ₁)	Contents of Trans
0530, 1030, 1700, 2230.	147.85 kcs 5448.5 kcs 11080 kcs 17697.5 kcs 22515 kcs	TROPICAL DEPRESSION/TROPICAL STORM/HURRICANE WARNINGS - for the area affected.

- NOTES: 1. Broadcast time approximately 2 hours.
2. Warnings and forecasts prepared by Fleet Weather Central, Alameda.
3. Warnings will be transmitted only when such adverse weather conditions are detected in or are expected to affect the broadcast area.
4. All broadcasts in clear English.

INFORMATION DATED: January 1967.

210600 MEXICO

210601 IXTAPALAPA (XDA44) (XDD)

TACUBAYA, D.F. (XBA)

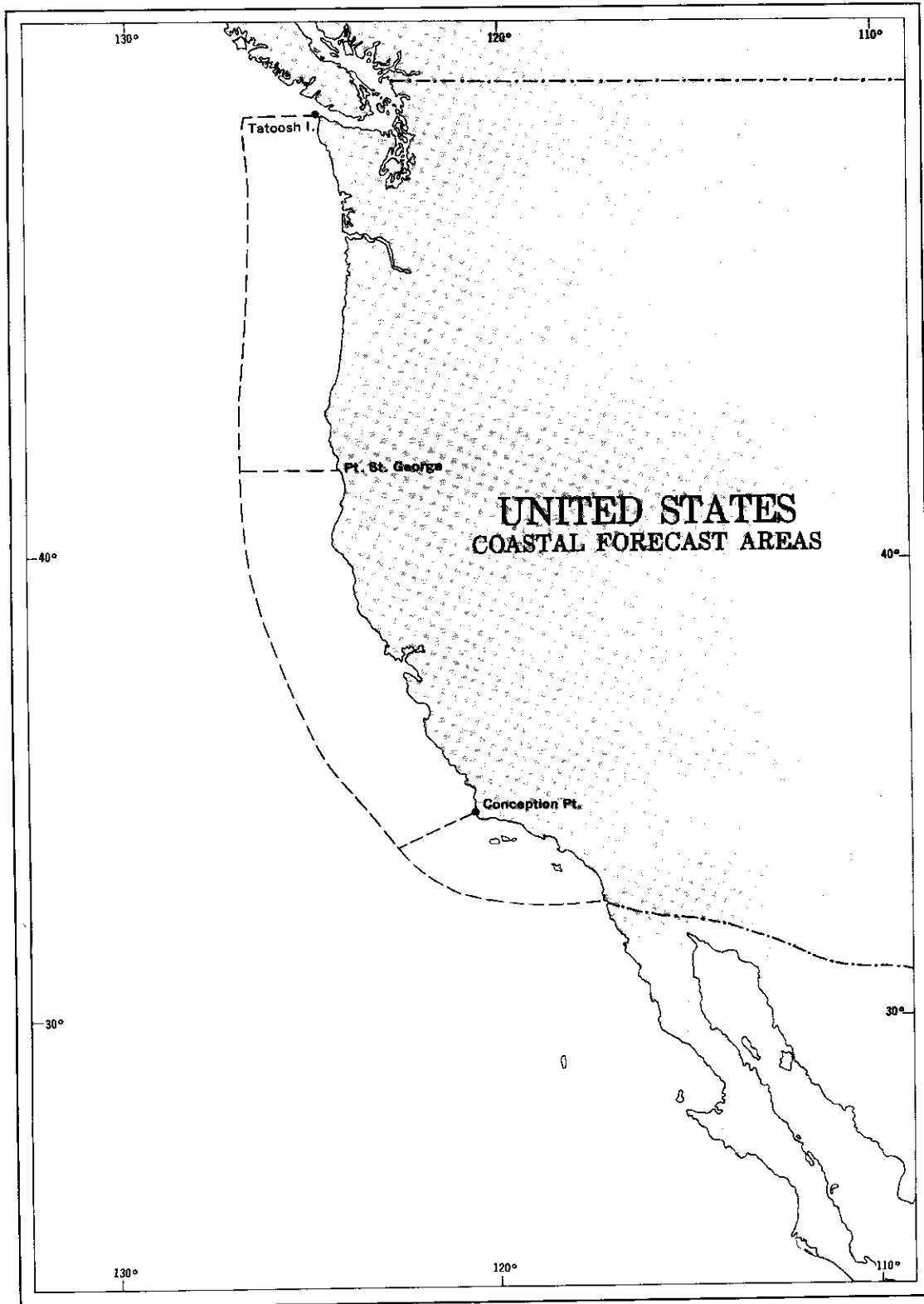
AREA AFFECTED: Coastal waters of western Mexico.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Frequencies (Al)	Contents of Trans
IXTAPALAPA (XDA44)		
0330	4800 kcs	Storm Warnings: Forecast for Mexico and Coastal Waters valid 24 hours.
1530	4800 kcs	Forecast valid 12 hours.
2130	4800 kcs	Forecast valid 36 hours.
IXTAPALAPA (XDD)		
0330	13043 kcs	Storm Warnings: Forecast for Mexico and Coastal Waters valid 24 hours.
1530	13043 kcs	Forecast valid 12 hours.
2130	13043 kcs	Forecast valid 36 hours.
TACUBAYA (XBA)		
0330	6976.8 kcs 13593.6 kcs	Storm Warnings: Forecast for Mexico and Coastal Waters valid 24 hours.
1530	13593.6 kcs	Forecast valid 12 hours.
2130	13593.6 kcs	Forecast valid 36 hours.

NOTE: 1. All broadcast in clear Spanish and English.

INFORMATION DATED: January 1966.



Including N. M. 3/67
Jan. 21, 1967

(Chg 9)

210700 UNITED STATES

210714 PORT ANGELES, WASH. (NOW) ASTORIA, OREGON (KFX)
SEATTLE, WASH. PORTLAND, OREGON (KQX)
(KOW, NMW 43) COOS BAY, OREGON (KTJ)
WESTPORT, WASH. (NMW)

AREA AFFECTED: Coastal waters of the U.S.
(a) Tatoosh Island, Washington to Point St. George, California.
(b) Strait of Juan de Fuca
(c) Inland waters of western Washington

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A3)	Contents of Trans
0545 1745	NOW	2670	Forecast, Areas b and c. Weather summary, Small Craft, Gale and Whole Gale Warnings, Local weather.
0500 1700	KOW	2522 2482	Forecasts, Areas a and b. Weather summary, Small Craft, Gale and Whole Gale Warnings. Local weather
1715	NMW43	2670	Forecast, Area c. Small Craft, Gale and Whole Gale Warnings. Local weather.
0430 1700	NMW	440 (A1)	Forecasts, Areas a, b, and c. Weather summary, Small Craft, Gale and Whole Gale Warnings. Local weather.
0530 1730	NMW	2670	Forecast, Area a. Weather summary, Small Craft, Gale and Whole Gale Warnings. Local weather.
0515 1715	KFX	2598	Forecasts, Areas a, b, and c. Weather summary, Small Craft, Gale and Whole Gale Warnings. Local weather.
0530 1730	KQX	2598	Forecasts, Areas a, b, and c. Weather summary, Small Craft, Gale and Whole Gale Warnings. Local weather.
0230 1730	KTJ	2566	Forecasts, Areas a, b and c. Weather summary, Small Craft, Gale and Whole Gale Warnings.
HH:18 or HH:48 (2)	NMW	440 (A1)	Gale and Whole Gale Warnings.
On receipt & every 3 hrs. thereafter.	NMW	2670	Gale and Whole Gale Warnings.
On receipt	KOW	2522	Gale and Whole Gale Warnings.
	KFX	2598	
On receipt	KQX	2598	
and odd HH:00	KTJ	2182	

210714 —continued

On receipt. NOW	2670	Small Craft, Gale and Whole Gale Warnings, Area b.
Every 3 hrs. thereafter. NMW43	NMW 2670	Small Craft, Gale, Whole Gale Warnings, Areas a, b, c. Small Craft, Gale and Whole Gale Warnings, Area c.

- NOTES: 1. Local weather includes Tatoosh Island, Umatilla Lightship, Destruction Island, Astoria, Columbia Lightship, Cape Blanco, North Bend, Whidbey Island, Seattle-Tacoma, and Smith Island.
2. Station KOW utilizes 2482 kc (A3) from 1300-0500 GCT, April-September, and from 1400-0700 GCT, October-March. 0500 broadcast at 0450 April 1-September 30.
3. Station KTJ in operation from 1500 through 0300 GCT on 2182 kcs.
4. Broadcasts of warnings are made on receipt of the message on frequency indicated preceded by an announcement on 2182 kcs A3.

INFORMATION DATED: November 1965.

210715 SAN FRANCISCO, CALIF. (KPH) (KTK)

AREA AFFECTED: A - North Pacific east of 180° and north of the Equator.

B - Coastal waters from Point St. George, California to Point Conception, California.

TIMES AND FREQUENCIES.

KPH	{	0000 - 2400	2045 kcs	A1	2KW
			8618 kcs	A1	10KW
			13002 kcs	A1	15KW
	{	DAYLIGHT HOURS ONLY	17016.8 kcs	A1	15KW
			22557 kcs	A1	15KW
	{	NIGHT HOURS ONLY	4247 kcs	A1	5KW
			6477.5 kcs	A1	5KW
KTK	{	0000 - 2400	436 kcs	A1, A2	5KW
			8713.5 kcs	A1	500W
			13114.5 kcs	A1	500W
	{	0500 - 1500	6516 kcs	A1	500W
		1500 - 0500	17184.5 kcs	A1	500W

SCHEDULE OF TRANSMISSIONS

Time of Trans.	Call Sign	Contents of Trans.
0500 1700	KPH	WARNING, FORECAST: Areas A, B.
0420 1620	KTK	WARNING, FORECAST: Areas A, B. Coastal station reports; Area B.
0050 and every 3 hrs thereafter		San Francisco Marine Weather Reports.

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Including N.M. 20/66
May 14, 1966 33/67

210715 —continued

- NOTES: 1. Warnings are broadcast on receipt.
2. Warnings are headed "GALE" when winds of 34 to 47 knots are expected; "STORM" for winds of 48 knots and above; and "HURRICANE" for winds of 64 knots and above when issued for storms of tropical origin.
3. KPH repeats GALE/STORM WARNINGS once after original broadcast, HURRICANE after every traffic until superseded or expired. KTK on receipt and even HH:20.
4. San Francisco Marine Weather Reports include Point Reyes, Farallon Island, San Francisco LS, Point Bonita, Pigeon Point, Rio Vista, The Brothers, Angel Island, Alameda, San Francisco International Airport.

INFORMATION DATED: ~~November 1965.~~
MAY 1966

210716 SAN FRANCISCO, CALIF. (NPG)

This is the RADIOTELEGRAPH weather portion of the San Francisco (NPG) Composite Fleet/General Broadcast.

- AREA AFFECTED: (a) Eastern North Pacific from the coast of North America at 54.7N 127.7W to 54.7N 140W to 40N 150W, thence rhumbline to the equator at 114W and along the equator to the coast.
- (b) Eastern North Pacific east of 140W and north of the equator.

TIMES AND FREQUENCIES

All frequencies continuous during scheduled broadcast periods.

114.95 kcs	0. 1A1	50 KW
4010 kcs	0. 1A1	5 KW
6428.5 kcs	0. 1A1	5 KW
9277.5 kcs	0. 1A1	1 KW
12966 kcs	0. 1A1	15 KW
17055.2 kcs	0. 1A1	15 KW
22635 kcs	0. 1A1	15 KW

SCHEDULE OF TRANSMISSIONS

Time of Trans

Contents of Trans

0425-0455	WARNINGS, areas a, b.
0425-0455	FORECAST, analysis area a.
1625-1655	Radio Propagation forecasts
	FORECAST, analysis area a.

- NOTES: 1. WARNINGS, FORECAST, analysis originated by Fleet Weather Central Alameda.
2. Radio propagation forecasts prepared by AGIWARN BUSTAN, Fort Belvoir, Virginia and relayed by Fleet Weather Central Alameda for broadcast.
3. NPG also transmits voice, plain language weather on Harbor Common Broadcast (2716 kcs) for the 12ND coastal waters and San Francisco Bay area.

INFORMATION DATED: January 1967.

210719 SAN FRANCISCO, CALIF. (NMC) (KLH) (KFS)
EUREKA, CALIF. (KOE)

AREA AFFECTED: Coastal waters of U.S. from Point St. George, California to
Point Conception, California

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1)	Contents of Trans
0400 1700	NMC	486	
0430 1630	KLH	2450(A3) 2506(A3)	SMALL CRAFT/GALE/WHOLE GALE/HURRICANE WARNINGS For area affected. SYNOPSIS AND FORECAST For area affected. COASTAL REPORTS ¹ Coast station reports for the area Point St. George, California to Point Conception, California.
0445 1645	KOE	2450(A3) 2506(A3)	
2130	KFS	476 8558.4 12844.5 (D) 22425 17026	
On receipt & next 2 odd HH:30	KFS (N)	476 6365.5 8558.4 12844.5 (D) 22425	
On receipt 0430 or 1630 (3)	NMC	2182(A3) 2670(A3)	
On receipt and odd HH:00	KLH KOE	2450(A3) ² 2506(A3) 2450(A3) 2506(A3)	SMALL CRAFT/GALE/WHOLE GALE/HURRICANE WARNINGS
HH:18 or HH:48 (2)	NMC	486	SMALL CRAFT/GALE/WHOLE GALE/ HURRICANE WARNINGS

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210719 —continued

On receipt NPG 2716(A3) SMALL CRAFT/GALE/STORM WARNINGS for San Francisco Bay Area and 12ND coastal waters. Forecasts for San Francisco Bay Area (00, 12, 18Z). Selected coastal reports (00, 12Z), Barometric Comparison data (00, 18Z). Fallout wind vectors for selected stations in western U.S. (00, 12Z).

- NOTES: (1) COASTAL REPORTS includes St. George Reed, Eureka, Blunts Reef LS, Pt. Arena, Bodega Bay, Pt. Reyes, Pt. Bonita, Farallon Is. San Francisco LS, Pigeon Point, Pt. Sur, Point Piedras Blancas and Pt. Arguello. For the 2130 broadcast it also includes Tatoosh Island and Portland.
- (2) First broadcast on KLH using both frequencies and immediately after is broadcast on KOE again using both frequencies.
- (3) Preceded by announcement on 500 kcs.

INFORMATION DATED: ~~January 1966.~~
MAY 1966

210720 LOS ANGELES, CALIF. (KOK)
LONG BEACH, CALIF. (NMQ)
SAN PEDRO, CALIF. (KOU)

AREA AFFECTED: Coastal waters of U.S. from: (a) Pt. Arguello, Calif., to Mexican Border, (b) Monterey to Mexican Border, (c) Eastern North Pacific.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1)	Contents of Trans
0450 1650	KOK	464 6463.5 8590 12993	FORECAST, Area (a); weather at Los Angeles Harbor Light. On receipt and even HH:50, Gale, Whole Gale and Hurricane Warnings area (c).
0420 1720 0500 1700	NMO	472 2670 (A3)	FORECAST, Area (a): Summary, Local weather. Small craft, Gale, Whole Gale Warnings, Area (b). Hurricane Warning and Tropical Storm Advisories, Area (c).
0400 1600	KOU	2566 (A3)	FORECAST, Area (a): Summary, Local weather, Small craft, Gale, Whole Gale Warnings, Area (b); Hurricane Warnings and Tropical Storm Advisories, Area (c). On receipt and odd HH:00 Small Craft, Gale, Whole Gale Warnings, Area (a). Tropical Storm Advisories and Hurricane Warnings, Area (c).

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210720—continued

- NOTES: 1. NMQ broadcast on A1, Tropical Storm Advisories and Hurricane Warnings, Area (c) at HH:18 and HH:48. On receipt and every 3 hrs (3), broadcasts on A3 same as on receipt at KOU.
2. Local Weather includes Point Arguello, Anacapa, Point Mugu, Marina del Rey, Redondo-Hermosa, Los Angeles Harbor Light, Newport Beach, Avalon Harbor, Point Loma, San Nicholas Island. Oceanside is added when available.

INFORMATION DATED: November 1965.

210725 DIXON, CALIF. (KMI)

AREA AFFECTED: (a) West Coast of Mexico and Central America to 140°W.
(b) Gulf of Tehuantepec and 150 miles seaward.

INFORMATION AVAILABLE

<u>Type of Report</u>	<u>Code</u>
WARNINGS	
(For area affected)	Plain language

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
0100	KMI	4377.4 (A3) (1)	Hurricane Warnings (a)
0300		8754.4 (A3) (2)	Gale/Storm Warnings (b)
0500		13182.4 (A3) (3)	
0700		17342.5 (A3) (4)	
1500		22695.5 (A3) (5)	
1700			
1900			
2100			
2300			

- NOTES: (1) 1st 5 minutes of the hour on this frequency
(2) 2nd 5 minutes of the hour on this frequency
(3) 3rd 5 minutes of the hour on this frequency
(4) 4th 5 minutes of the hour on this frequency
(5) 5th 5 minutes of the hour on this frequency

If any of these 5 minute broadcasts must be cancelled because traffic is being handled, the broadcast will be started for the first full 5 minute period available and on the frequency indicated by the table above.

INFORMATION DATED: November 1965.

220300 CHILE

220301 SANTIAGO (CCS)

AREA AFFECTED: Coasts of Chile and adjacent waters.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1)	Contents of Trans
0130	CCS	2806 kcs	FORECAST
1330		4760 kcs	
2000		6998 kcs	
		11990 kcs	
		18035 kcs	

- NOTES: 1. All broadcasts are in clear Spanish.
2. 2806 kcs at 0130 broadcast only.
3. 4760 kcs at 1330 and 2000 broadcasts only.

INFORMATION DATED: December 1965.

220500 PERU

220501 LA PUNTA ESCUELA NAVAL (OBE)

AREA AFFECTED: Coast of Peru.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1)	Contents of Trans
0200	OBE	490 kcs	SYNOP, SHIP.
1600		12307 kcs	SYNOP, SHIP. Forecasts valid for 6 hours from 1600.
2100		8360 kcs	SYNOP, SHIP. Forecasts valid for 8 hours from 2100.

- NOTES: 1. Synoptic reports from selected stations in block 84.
2. The synoptic reports included in this broadcast are also transmitted by Lima-El Progreso OAA 48 on 14855 kcs A1 at 0045, 1545, 2115 GMT.
3. All broadcasts are transmitted in clear Spanish.

INFORMATION DATED: October 1965.

233700 U. S. S. R.

233716 ALEKSANDROVSK/SAKHALINSKIY (ULY)

KORSAKOV/SAKHALINSKIY (UQC)

AREA AFFECTED: Tartar Strait, Sea of Okhotsk (except for areas adjacent to Kamchatka), La Perouse Strait, Kuril Islands, Sakhalin Bay, areas of the Seas of Japan.

SCHEDULE OF TRANSMISSIONS.

Time of Trans	Call Sign	Frequencies	Contents of Trans.
0900	ULY UQC	464 kcs 425 kcs	Repeat Holmsk 0800 broadcast.
2100			Repeat Holmsk 2000 broadcast.

NOTES: 1. Transmissions on A1.
2. Broadcasts in clear Russian.

INFORMATION DATED: October 1965.

233717 KHOLMSK (UFO) (UQB)

AREA AFFECTED: Tartar Strait, La Perouse Strait, Sea of Okhotsk west of 150°E and Kuril Islands.

CALL SIGNS, TIMES AND FREQUENCIES

UFO	0010,0800,2000	416 kcs	A1	
UQB	0800,2000	3890 kcs	A1	1 KW
UQE	0010	8680 kcs	A1	

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
0010-0030	Weather forecasts valid for 12 hours for the area affected. Forecasts of swell, situation and forecasts of ice.
0800-0830	Weather forecasts valid for 3 days and 24 hours for the area affected. Forecasts of swell, situation and forecasts of ice.
2000-2030	See 0010

NOTES: 1. All broadcasts in clear Russian.

INFORMATION DATED: October 1965.

233718 NAGAEVO (UIB)

AREA AFFECTED: Tanisk Gulf, northern part of the Sea of Okhotsk, northwestern half of Shelekhov Bay.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
0700 0900	UIB	480 kcs 4380 kcs	Weather forecast valid for 24 hrs and 3 days, swell forecast, descriptive summary and forecast of ice conditions.
2100			Weather and swell forecasts for day of issue, descriptive summary and forecast of ice conditions.

NOTES: 1. Transmissions on A1.

2. All broadcasts in clear Russian.

INFORMATION DATED: September 1965.

233719 PETROPAVLOVSK/KAMCHATSKIY (UBE)

AREA AFFECTED: Gulf of Shelekhov, Gulf of Penzhina, areas of Okhotsk,
Bering Sea and Pacific Ocean close to Kamchatka coast.

CALL SIGNS, TIMES AND FREQUENCIES

	0000,0600,				
	0900,2000,	450	kcs	A1	
UBE 2	0900,2000	3,310	kcs	A1	
UBE 4	0000,0500,	6,370	kcs	A1	1KW
	0900,2000				
	0000,0500	8,540	kcs	A1	

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
0000-0030	Detailed weather forecasts for the day, for the area affected.
0500-0530	Forecasts of weather and swell valid for 24 hours, descriptive summaries concerning ice for the area affected.
0900-0930	Repetition of 0500-0530 transmission.
2000-2030	Detailed weather forecast for the day for the area affected.

NOTES: 1. Broadcasts in clear Russian.
2. In certain cases, the forecasts and descriptive summaries concerning ice, as well as forecasts of swell, may either not be included in the broadcast or may be included irregularly.

INFORMATION DATED: October 1965.

233721 VLADIVOSTOK (UFL) (UIK)

AREA AFFECTED: Bay of Peter the Great, Sea of Japan, south-western part of the
Tartar Strait and Sangar Strait.

CALL SIGNS, TIMES AND FREQUENCIES

	0030,0530,0930	142,86 kcs	A1	
UIK	1730,2130			
UFL	0030,0530,0930	3630 kcs	A1	1 KW
	0030,0530,0930,	6345 kcs	A1	
	1730,2130			

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
0030-0100	Weather forecasts valid for 12 hours for the area affected.
0530-0600	Descriptive summaries and forecasts on synoptic situation for the area affected.
0930-1000	Weather forecasts valid for 3 days and 24 hours for the area affected. Forecasts of swell, descriptive summaries and forecasts concerning ice for the area affected.
1730-1800	See 0530
2130-2200	Weather forecasts valid for 12 hours for the area affected.

NOTES: 1. All broadcast in Russian and English.
2. In certain cases, the forecasts and descriptive summaries concerning ice may not be included in the broadcast.

INFORMATION DATED: October 1966.

250200 KENYA

250201 MOMBASA, KENYA (5ZF)

AREA AFFECTED: Indian Ocean west of 65E and between 12N and 25S.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
On receipt, at the end of the first silent period which follows, and again at the end of the first silent period falling within the next working period for single operator ship stations, i.e., 0418, 0818, 1218 or 1618.	5ZF	500 kcs.	Cyclone/Storm warnings

NOTES: 1. Transmissions on A1 and A2.

2. All broadcasts in clear English.

INFORMATION DATED: September 1965.

250202 NAIROBI, KENYA (5YE)

AREA AFFECTED: Indian Ocean, 12N-11S, and from African coast to 60E.

- (a) Waters within 75 miles of coast, 2S-15S.
- (b) Waters within 75 miles of coast, 2S-12N.
- (c) Area between 2S-12N and from African coast to 60E.
- (d) Area between 2S-15S and from African coast to 60E.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
1230	5YE5 5YE2	6885 kcs A1 2 KW 12315 kcs A1 2 KW	Storm warnings. Summary of weather for the area affected. Forecasts of the weather for area affected. Ship reports for the area affected. Synoptic reports from selected coastal stations.

NOTE: 1. All broadcasts are transmitted in clear English.

INFORMATION DATED: September 1965.

250500 UNITED ARAB REPUBLIC (EGYPT)

250502 AL QUSAYR (SUK)

AREA AFFECTED: Red Sea north of 23N.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
1230	SUK	429 kcs (A2)	Storm/gale warnings for the area affected. Forecast for the area affected valid for the 24 hour period beginning with the time of broadcast.
On request			Storm warnings for the area affected.

- NOTES: 1. The broadcasts are transmitted in clear English.
2. The area affected is subdivided in the weather bulletin as follows:
Area C: Gulf of Suez.
Area D: The remainder of the area.

INFORMATION DATED: ~~November 1962.~~
JULY 1965

250550 ETHIOPIA

250551 ASMARA (NKA)

This is the RADIOTELEGRAPH Weather portion of the ASMARA (NKA) Composite Fleet and General Broadcast.

AREA AFFECTED: 1. Maritime areas including the Eastern Mediterranean Sea and Southern Black Sea but not including the Aral and Caspian Seas bounded by the following points:
45N 15E, 45N 75E, equator 75E, equator 40E and 30N 15E.
2. Maritime areas bounded by the following points:
equator 25E, equator 75E, 9S 75E, 25S 60E, 60S 60E and 60S 25E.

TIMES AND FREQUENCIES

Continuous	9060 kcs	A1	15 KW
Continuous	12817.5 kcs	A1	5 KW
Continuous	22760 kcs	A1	5 KW
1900-0500	3220 kcs	A1	5 KW
1800-0600	4515 kcs	A1	5 KW
0630-2100	17510 kcs	A1	5 KW

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
0230-0300	Warnings and Analysis Area 1.
0700-0730	Warnings and Forecast Area 1.
1300-1330	Warnings and Analysis Area 1.
1930-2000	Warnings and Forecast Area 1.

DESCRIPTION OF TRANSMISSIONS

1. Speed of transmission is 20 words per minute.
2. Warnings for the Area affected in plain language (English).
3. Forecasts are for a 24-hour period for the area affected in plain language (English).

NOTES: 1. See LONDONDERRY (NST).

2. Area 2 is an area of sparse meteorological data. Warnings will be issued based on available data.
3. U.S. Fleet Weather Central, Rota, Spain, compiles data for the broadcast.

INFORMATION DATED: March 1967.

250600 FRENCH SOMALILAND

250601 DJIBOUTI (TXZ) (TWZ)

AREA AFFECTED: Red Sea, Gulf of Aden and Indian Ocean north of 10°S and west of 60°E.

CALL SIGNS, TIMES AND FREQUENCIES

TXZ	0900 and on request	464 kcs	A1	2KW
TXZ8	0900, 1500, 1700	8,682 kcs	A1	1KW

SCHEDULE OF TRANSMISSIONS

<u>Time of Trans</u>	<u>Contents of Trans</u>
0900-0910	Forecasts valid for 24 hours.
1500-1510	Analysis of fronts and principal centers for the area between 10°S and 36°N., 20°E and 60°E.
1700-1710	Amendment to the 0900 transmission.

NOTES: 1. Special warnings for shipping (Gale/Storm/Cyclone) may be broadcast by TXZ at 0018, 0318, 0618, 0918, 1218, 1518, 1818 and 2118 GMT.

2. Forecasts transmitted on request between 0600 and 1500 GMT.

3. Broadcasts in clear French.

INFORMATION DATED: September 1966.

250800 MALAGASY REPUBLIC

250801 DIEGO-SUAREZ (5RL) TANANARIVE/ANTANITIBE (5ST)
MAJUNGA (5RO) TULEAR (5RT)
TAMATAVE (5RS)

AREA AFFECTED: A. Area between 5S and 23S and between the African coast and 70E.
B. Area between 5S and 30S and between the African coast and
meridians of Cape Sainte-Marie and Diego.
C. Area between 5S and 30S and between the African coast and 70E.
D. Area C except the area west of 45E between 15S and 30S.
E. Area between 15S and 30S and between the African coast and 45E

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1, A2)	Content of Trans
0200	5RL	447 kcs	Special Marine weather
0600			bulletins: GALE/STORM/
1000			HURRICANE and cyclone warn-
1400			nings of calm and cancellation.
1800			AREA A.
2200			
0430*			SYNOPSIS
1700*			FORECAST, valid for following day, Marine bulletins.
0000	5RO	441 kcs	Special Marine weather
0400		461 kcs	bulletins: GALE/STORM/
0800			HURRICANE and cyclone warn-
1200			ings and warnings of calm
1600			and cancellation.
2000			AREA B.
1630*			SYNOPSIS, FORECAST, valid for the night and following morning.
0500*			SYNOPSIS
0000	5RS	476 kcs	Special Marine weather
0400		519 kcs	bulletin GALE/STORM/HURRICANE
0800			and cyclone warnings, and
1200			warnings of calm and
1600			cancellation.
2000			AREA D.
0510*	5RS8	8734 kcs	SYNOPSIS, FORECAST, valid for
		8767 kcs	current day.
0810*			Marine bulletin valid for 24 hours Situation and Forecast for the eastern coast of Madagascar.
1610*			SYNOPSIS, Marine bulletin FORECAST, valid for the night and following morning.

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250801—continued

0925*	5ST 41	7552	kcs	Special Marine weather bulletins: GALE/STORM/HURRICANE and cyclone warnings, and warnings of calm and cancellation. FORECAST, valid for 24 hours for: a. Coast of Madagascar, b. High Seas. Navigational warnings for shipping (possibly) AREA C.
	5ST 83	17400	kcs	
0200	5RT	416	kcs	Special Marine weather bulletins: GALE/STORM/HURRICANE and cyclone warnings, and warnings of calm and cancellation. AREA E.
0600				
1000				
1400				
1800				
2200				
0440*				SYNOPSIS, FORECAST, valid for current day, Marine bulletins.
1640*				SYNOPSIS, FORECAST, valid for night and following morning, Marine bulletins.

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- NOTES: 1. A preliminary call is given on 500 kcs prior to transmissions on working frequencies. In the case of special Marine weather bulletins, the call is preceded by the safety signal TTT.
2. Times marked with * are regular scheduled broadcasts, other broadcasts take place only if a special Marine weather bulletin is issued for the area affected.
3. Broadcasts carried out for the transmission of a special Marine weather bulletin concerning the area affected are continued until H+8 hours, H being the time at which the bulletin concerning a calm or cancellation is prepared.
4. All stations except 5ST transmit SYNOPSIS, special Marine bulletins on request.
5. The synoptic observations retransmitted for shipping are reduced to the first four groups.
6. All transmissions are broadcast in clear French on A1 and A2. 5RS8 and 5ST transmit on A1 only.

INFORMATION DATED: April 1965.

251000 MAURITIUS

251001 MAURITIUS (GZC)

VACOAS (VRS)

AREA AFFECTED: A. Indian Ocean.
B. Between 10S to 30S and 50E to 70E.
SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
0130	GZC	123 kcs (0000-2400)	FORECAST, area A.
0330	GZC2	4295 kcs (1800-0300)	
0530	GZC3	6519.5 kcs (1500-0300)	
0600	GZC4	8726 kcs (1200-0600)	
0930	GZC5	12988.5 kcs (0000-2400)	
1330	GZC6	16978.4 kcs (0300-1800)	
1530	GZC7	22587 kcs (0300-1500)	
1730			
1800			
2130			
0148	VRS	500 kcs	WARNING, weather summary, forecasts valid for 24 hours and outlook for further 12 hours for area B. SYNOP, Mauritius and dependencies. SHIP, SHRED, SPESH south of equator between 50E and 90E.
0448			
0748			
1348			
1648			
2048			

- NOTES: 1. GZC is not used between 0400 and 1400 on the first Tuesday of each month due to maintenance.
2. All forecasts include warnings in force. Warnings issued as separate messages at non-routine times by Met. Mauritius, Aden or Bahrein will be transmitted on receipt.
3. VRS operates only when a tropical storm is affecting the area.
4. All broadcasts are transmitted in clear English.

INFORMATION DATED: ~~February 1965~~.

SEP 1965

251200 MOZAMBIQUE

251201 BEIRA (CRS)

LUMBO (CRQ)

RADIO CLUBE DE MOZAMBIQUE (CR7)

AREA AFFECTED: Coastal area 50 miles seaward of Mozambique.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
1030	CRS	524 kcs (A1, A2)	FORECAST, valid for 24 hours from 1000.
1730			FORECAST, valid for 24 hours from 0000.
0900 1030	CRQ	500 kcs (A2)	SYNOP FORECAST, valid for 24 hours from 1000.
1730			FORECAST, valid for 24 hours from 0000.
1030	CR7	3292 kcs (A3) 4924 kcs (A3) 6115 kcs (A3) 7737 kcs (A3) 11820 kcs (A3)	FORECAST, valid for 24 hours from 1200 for area affected and from 1000 for Lourenco Marques and all the Province.
1630			FORECAST, valid for 24 hours from 1800 for area affected and for 30 hours from 1600 for Lourenco Marques and all the Province.
1700 1800	CR7	917 kcs (A3) 3218 kcs (A3) 4834 kcs (A3)	FORECAST, valid for 30 hours 1600 for the Province south of Zambeze River.
1900			FORECAST, valid for 24 hours from 1800 for area affected and for 30 hours from 1600 for the Province south of Zambeze River.

NOTE: 1030, 1630 broadcasts are in Portuguese; 1700, 1800, 1900 broadcasts in English; all others in Portuguese and English.

INFORMATION DATED: September 1964.

251300 REUNION

251301 RADIO REUNION

AREA AFFECTED: Mascareignes archipelago

TIMES AND FREQUENCIES

0230-1000	Saturdays and	602 kcs	A3	8 KW
1330-1830	Sundays only	1124 kcs	A3	1 KW
0230-1830	Saturday only	3250 kcs	A3	1.5 KW
0300-1830	Sunday only	4820 kcs	A3	4 KW
0230-0500, 1330-1830		2446 kcs	A3	4 KW
0500-1000	Saturdays and			
1000-1330	Sundays only	7245.3 kcs	A3	4 KW

SCHEDULE OF TRANSMISSIONS

Time of Trans	Time of Obs	Contents of Trans
0259	0000	Situation and forecasts valid for the day.
0359	0300	Climatological data and repeat of the 0259 broadcast.
1200	1100	The weather on the island (bulletin for tourists).
1407	1200	Forecasts for coastal fishing, valid for the next day.
1555	1200	Climatological data and forecasts valid for the night and the following morning.

NOTE: Special Warnings may be issued when there is a threat of cyclones.
These broadcasts may be made as often as once every hour, if the danger becomes acute.

INFORMATION DATED: November 1966.

251302 SAINT-DENIS (FFD)

AREA AFFECTED: Area delimited as follows:
5°S, 50°E - 5°S, 80°E - 30°S, 80°E - 30°S, 45°E northward,
then along the eastern coast of Madagascar up to 50°E - 5°S, 50°E.

CALL SIGNS, TIMES AND FREQUENCIES

FFD 0418, 1218 and on request 487 kcs A1 2 KW

SCHEDULE OF TRANSMISSIONS

Time of Trans	Time of Obs	Contents of Trans
0418	0300	Marine Bulletin. Forecasts valid for 24 hours.
1218	1200	Analysis for the area 05°S, 55°S - 40°E, 100°E.
On request		See List of Stations. Special Marine weather bulletin: Gale/Storm/Hurricane and Cyclone Warnings, and warnings of calm and cancellation.

- NOTES: 1. From 0200 to 0800 GMT. In the event of a cyclone, a special Marine weather bulletin is broadcast every hour on on request from 0000 to 2400 GMT.
2. After preliminary call on 500 kcs. In the case of special Marine weather bulletins, the call is preceded by the safety signal TTT.
3. The synoptic observations retransmitted for shipping are reduced to the first four groups.
4. Broadcasts carried out for the transmission of a special Marine weather bulletin concerning the area are continued until H+8 hours, H being the time at which the bulletin concerning a calm or cancellation is prepared.
5. All broadcast in English and French.

INFORMATION DATED: September 1966.

251400 SUDAN

251401 PORT SUDAN (STP)

AREA AFFECTED: Red sea between 18N and 23N.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A2)	Contents of Trans
0810	STP	500 kcs	Forecast for 24 hours from 0800 for the area affected.

NOTE: All broadcasts are in clear English.

INFORMATION DATED: November 1965.

251600 REPUBLIC OF SOUTH AFRICA

251601 CAPETOWN (ZSC) (ZSL) PORT ELIZABETH (ZSQ)
CAPE WIRELESS (GYK) WALVIS BAY (ZSV 5)
DURBAN (ZSD 5) (ZSW)

AREA AFFECTED: Coastal waters, 50 miles seaward; shipping routes from South Africa to Europe, North America, South America and Australia.

Forecast areas:

- (a) Ascension (0°-15°S, 0°-20°W)
- (b) St. Helena (15°-30°S, 0°-20°W)
- (c) Trades (15°-30°S, 0°-African Coast)
- (d) Tristan (30°-40°S, 0°-20°W)
- (e) Cape West (30°-40°S, 0°-20°E)
- (f) Cape East (32.5°-40°S, 20°-70°E)
- (g) Durban East (25°-32.5°S, African Coast -70°E)
- (h) Gough Forties (40°-50°S, 0°-20°W)
- (i) Meteor Forties (40°-50°S, 0°-20°E)
- (j) Marion Forties (40°-50°S, 20°-45°E)
- (k) Crozet Forties (40°-50°S, 45°-70°E)
- (l) Coastal Waters (Cunene River to Walvis Bay)
- (m) Coastal Waters (Walvis Bay to Orange River)
- (n) Coastal Waters (Orange River to Cape Agulhas)
- (o) Coastal Waters (Cape Agulhas to East London)
- (p) Coastal Waters (East London to Lourenco Marques)

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251601 —continued

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1)	Contents of Trans
0918 1348 1718	ZSC5	418 kcs	WARNING, FORECAST (Areas e, n,o).
0930* 1730*	ZSL ZSL2 ZSL3 ZSL4 ZSL5 ZSL6 ZSL7	119.15 kcs 3741.5 kcs 6467 kcs 8502 kcs 12772.5 kcs 17228 kcs 22455 kcs	WARNING, FORECAST (Areas a-k)
1015	GYK7	22407 kcs	WARNING, FORECAST (Areas l-p)
1015 1800	GYK GYK4 GYK5 GYK6	90.1 kcs 8582 kcs 12741 kcs 16988 kcs	
1800	GYK2	4247 kcs	
0950 1248 1705	ZSD5	432 kcs	WARNING, FORECAST (Areas g, o, p)
0933 1303 1733	ZSW	1665 kcs (A3)	WARNING, FORECAST (Areas o,p)
0940 1340 1740	ZSQ	1665 kcs (A3)	WARNING, FORECAST (Areas f, o,p)
0920 1320 1720	ZS04	472 kcs (A2)	WARNING, FORECAST (Areas f,o,p)
0950 1350 1705	ZSV	519 kcs (A2)	WARNING, FORECAST (Areas c,l,m)
1135 2105	South African Broadcasting Corporation	557 kcs (A3) 656 kcs (A3)	WARNING, FORECAST (Areas l, p)
0948 1333 1745	ZSP	1665 kcs (A3)	WARNINGS, FORECAST (Areas n,o) Local weather reports See 0948

—continued

251601 —continued

- NOTES: 1. Bulletins at * times are transmitted simultaneously by GYK on all frequencies.
2. Forecasts cover the following 12 hour period beginning at 1000 and 2200 respectively.
3. Frequencies used depend on the time of day and season.
4. Forecast for Antarctica (A6 to D16) will be transmitted during the whaling season (late November to early April).
5. Forecast for areas between 40S and 50S will be issued on request.
6. The undermentioned broadcasts of reports received from whaling ships in the Antarctic are made from Cape Town. In these reports the position of ships is in cipher. These broadcasts are made during the period whaling expeditions are south of 40S, i.e. from late November to early April approximately.
- Call Sign: ZSC 7
- Frequency: 17165.6 kcs
- Time of Transmission: 1000 GMT
- Contents: Reports from whaling ships received during 24 hours ending at 0600 GMT.
- During the same period, an Antarctic inference is transmitted once daily from Cape Town. The call signs (ZSL, etc.) and frequencies used depend on the season of the year.
- Time of Transmission: 1800 GMT
- Power of Station: 5 KW
- Contents: A plain language statement for the area south of 30S and between 60W and 90E of positions of centers of depressions and anti-cyclones and their expected direction and speed of movement. This is followed by brief forecast of the blocks in which ships operate.
7. All broadcasts are in clear English.

INFORMATION DATED: July 1966.

260100 ADEN

260101 ADEN (ZNR)

AREA AFFECTED: Gulf of Aden and extreme western Arabian Sea north of 12 N and west of 60 E.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies (A1)	Contents of Trans
0418	ZNR	476 kcs	FORECAST
0500		8710 kcs	
0700		17175.2 kcs	
1618		476 kcs	
1630		8710	
On request		3628 (A3)	

NOTES: Storm warnings for the area affected are issued as soon as possible and are repeated at scheduled broadcast times.

INFORMATION DATED: ~~March 1965.~~

AUG 1965

260200 BURMA

260201 RANGOON (XYR)

AREA AFFECTED: Bay of Bengal, except area west of 92E and south of 10N.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
0100 0500 1300 2100	XYR	500 kcs	WARNING
On receipt*			
0900 1700			WARNING, FORECAST, weather situation for area.

- NOTES: 1: * These weather bulletins are transmitted at any hour if the observations received between the two consecutive routine broadcasts indicate an unexpected development of a cyclonic storm.
2. The 0100, 0500, 1300 and 2100 transmissions are broadcast in the event of bad weather, in addition to the two routine daily broadcasts.
3. When there is no warning for the forecast area, the fact is indicated by broadcasting "no storm."
4. All broadcasts are transmitted in clear English.

INFORMATION DATED: ~~January~~ 1965.

AVG.

260400 HONG KONG

260401 HONG KONG (VPS) (ZEL)

AREA AFFECTED: China Sea north of 10°N; Gulf of Tonkin; Coastal waters, Hainan Island to Shanghai and waters east of Taiwan.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
0118	VPS	435 kcs	WARNING, FORECAST, valid for 12 hours from 0100 and 1300.
1318	ZEL	7658 kcs	
		12325 kcs	
On receipt and at H+18 for 3 hrs	VPS	500 kcs	WARNING
		8566 kcs	
		13020 kcs	

- NOTES: 1. Storm warnings are issued by the Royal Observatory whenever a tropical cyclone is located within the area 10N-30N, 105E-125E. All tropical cyclones known to be in the Western North Pacific, west of 140E, will be mentioned in the "General situation for Shipping".
2. Warnings broadcast after 1400 are repeated at 0018 for single operator ships.
3. 8566 kcs used 0800-0200, 13020 kcs used 0200-0800.
4. All broadcasts are in clear English.

INFORMATION DATED: November 1965.

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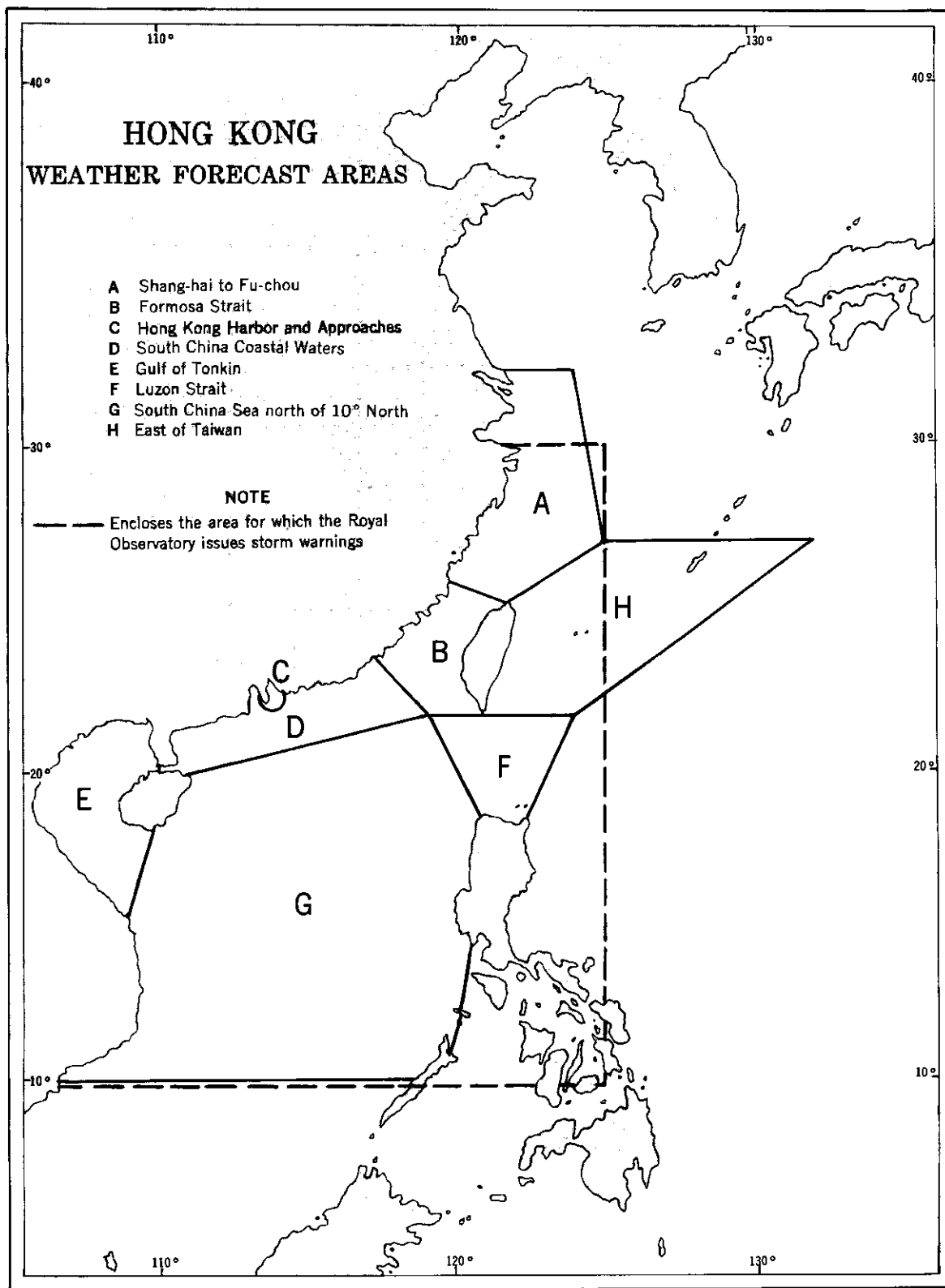
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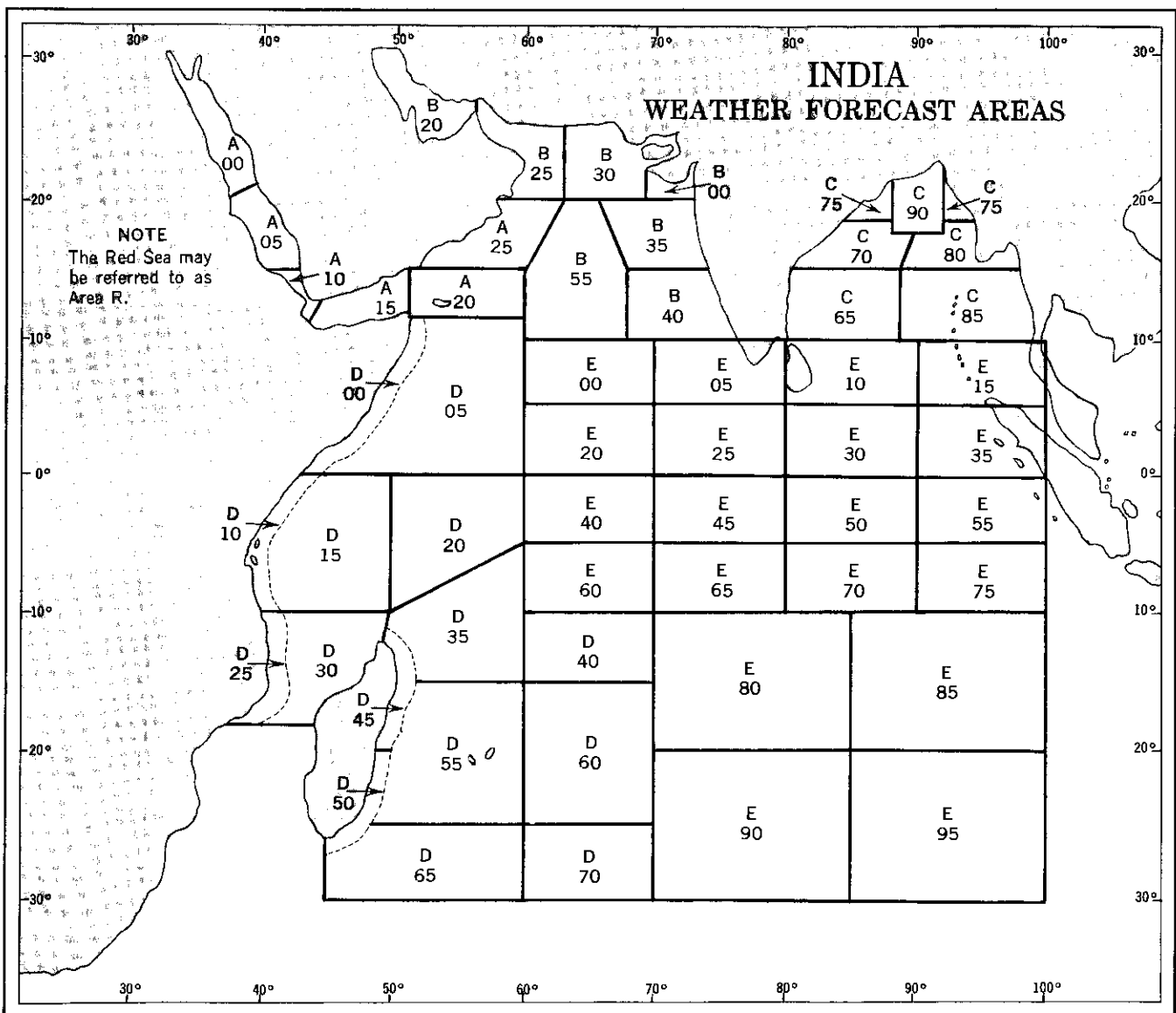
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260500 INDIA

260501 BOMBAY (VWB)

AREA AFFECTED: South Gujarat coast and North Maharashtra coast (up to 75 kilometers from the coast line)

CALL SIGNS, TIMES AND FREQUENCIES

VWB	0120, 0520, 0920			
	1320, 1720, 2120	476 kcs	A1	2.5 KW
	At any hour			

SCHEDULE OF TRANSMISSIONS

Times of Trans	Contents of Trans
0120-0130	Important weather system, if any, affecting the weather over South Gujarat and North Maharashtra coasts. Forecasts of wind, weather, visibility and state of sea for the coast. Information about signals hoisted at ports of the coast, whenever such signals are hoisted.
0520-0530	
0920-0930	
1320-1330	See 0120
1720-1730	
2120-2130	

NOTES: All broadcast in English.

INFORMATION DATED: January 1967.

260502 CALCUTTA (VWC)

AREA AFFECTED: Bay of Bengal, except area north of 10°N and east of 92°E.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Call Sign	Frequencies	Contents of Trans
0018	VWC	500 kcs 4286 kcs	WARNING
0418 1218 2018		500 kcs	WARNING*
0818 1618		500 kcs 434 kcs 12745 kcs	WARNING, FORECAST, summary
At any time		500 kcs	WARNING #

- NOTES: 1. 0018 Broadcast in event of disturbed weather which may develop into a tropical storm. In case there is no fresh bulletin to be issued, the 1618 bulletin of the previous day is repeated.
2. * Broadcast when tropical storm has developed.
3. #Broadcast in the event of an unexpected development of a tropical storm.
4. At the end of WARNING frequency change from 500 kcs to 434 kcs is announced.
5. WARNING preceded by TTT signal. When there is no warning for the forecast area "No storm warning" is broadcast.

INFORMATION DATED: November 1965.

260503 MADRAS (VWM)

AREA AFFECTED: Bay of Bengal, except area north of 10°N and east of 92°E¹)

CALL SIGNS, TIMES AND FREQUENCIES

		500 kcs	A2	2.5 KW
	0918,1718	8674 kcs	A1	2.5 KW
		446 kcs	A1	2.5 KW
	0918,1718	8674 kcs	A1	2.5 KW
VWM				
	0118,0518	500 kcs	A2	2.5 KW
	1318,2118	8674 kcs	A1	2.5 KW
	and at any hour			

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
0118	Part 1 : Storm warnings for the area affected. In addition to Part 1 (storm warnings), a brief description of the general situation of the weather may be added occasionally, if considered necessary. In case there is no fresh bulletin to be issued, the 1718 bulletin of the previous day will be repeated in full at this period in the following frequencies: Part 1 - 500 kcs and 8674 kcs Part 2, -3 - 446 kcs and 8674 kcs.
0518	Part 1 : Storm warnings for the area affected.
0918-0930	Part 1 : Storm warnings for the area affected. Navigational warnings.
0918-0930	Part 2 : Weather situation for the area affected. Part 3 : Forecasts for the area affected.
1318	Part 1 : Storm warnings for the area affected.
1718-1730	Part 1 : Storm warnings for the area affected. Navigational warnings Parts 1, 2 and 3 will be repeated at 0118 if no later bulletin available.
2118	Part 1 : Storm warnings for the area affected will be repeated at 0118 if no later bulletin available.
At any hour	Part 1 : Storm warnings for the area affected will be repeated at the end of the next silence period as well as at the end of the first silence period occurring in the watch keeping hours of one operator ships, unless a later bulletin is available for issue by that time.

NOTES: 1. In addition to gale/storm/cyclone warnings, warnings are also issued for disturbed weather which may develop into a tropical storm.

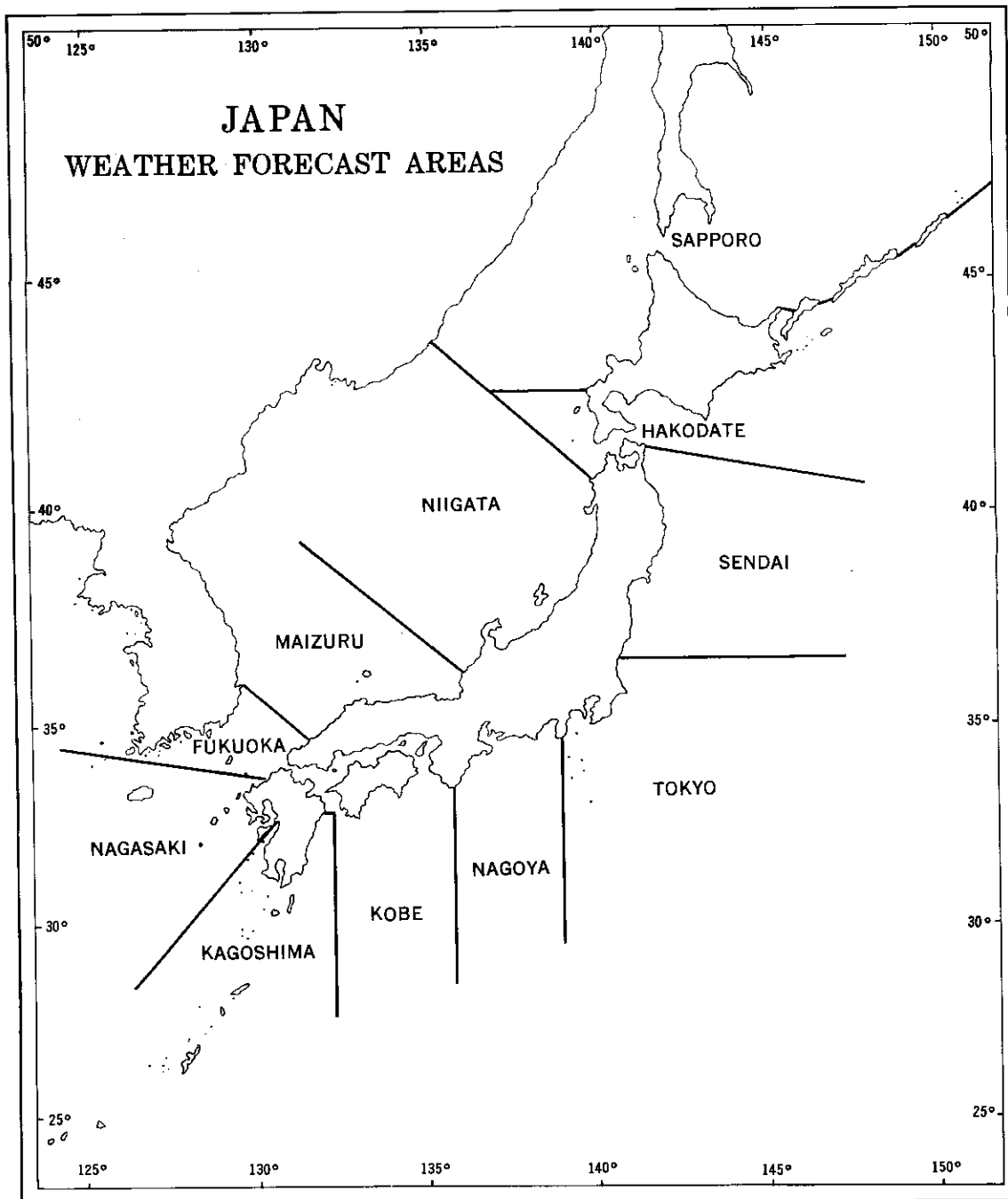
2. The warnings are preceded by TTT signal. When there is no warning for the forecast area, the fact is indicated by broadcasting "No Storm Warning" and the broadcast is then not preceded by TTT.

INFORMATION DATED: September 1965.

Including N.M. 33/67
19 August 1967

(Chg 11)

2-47



260600 IRAQ

260601 AI BASRAH (YIR)

AREA AFFECTED: Persian Gulf.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Frequencies (A ₁)	Contents of Trans
1205,1605, on request	440 kcs	Forecasts.

NOTE: All broadcasts are in clear English.

INFORMATION DATED: July 1965.

260602 HABBANIYA (YIW)

AREA AFFECTED: Persian Gulf.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Frequencies (A ₁)	Contents of Trans
0400,1000, 1600,2200.	4930 kcs 5917 kcs 7475 kcs 13545 kcs	Forecast valid for 24 hours from time of broadcast.

NOTE: All broadcasts are in clear English.

INFORMATION DATED: July 1965.

260700 JAPAN

260701	HAKODATE (JNI)	NIIGATA (JNV)
	KAGOSHIMA (JNJ)	OTARU (JNL)
	KOBE (JGD)	SAKAI (JNP)
	KUSHIRO (JNX)	SASEBO (JNK)
	MAIZURO (JNC)	SHIOGAMA (JNN)
	MOJI (JNR)	YOKOHAMA (JGC)
	NAGOYA (JNT)	

AREA AFFECTED: Coastal waters within 300 nautical miles of the coast. (See area chartlet page 2-48).

SCHEDULE OF TRANSMISSIONS

Time of Trans	Frequencies (A ₂)	Contents of Trans
<u>Hakodate (JNI)</u>		
0250,0925,2125	472 kcs	SYNOPSIS, Forecasts valid for 24 hours.
On receipt	472 kcs 500 kcs	Storm warnings.
<u>Kagoshima (JNJ)</u>		
0950,2250	472 kcs	Forecasts valid for 24 hours.
On receipt*	472 kcs 500 kcs	Storm warnings.
<u>Kobe (JGD)</u>		
0055,1325	444 kcs	Weather summary, SYNOPSIS, Forecasts valid for 24 hours.
On receipt	500 kcs	Storm warnings.
<u>Kushiro (JNX)</u>		
1055,2255	472 kcs	SYNOPSIS, Forecasts valid for 24 hours.
On receipt	472 kcs 500 kcs	Storm warnings.
<u>Maizuro (JNC)</u>		
0055,0825,2135	472 kcs	Weather summary, Forecasts valid for 24 hours.
On receipt*	472 kcs 500 kcs	Storm warnings.

260701 —continued

<u>Moji (JNR)</u>		
0925,2125	444 kcs	Forecasts valid for 24 hours.
On receipt	500 kcs	Storm warnings.
<u>Niigata (JNV) #</u>		
0720,1250,2225	472 kcs	Weather summary, SYNOP, Forecasts valid for 24 hours.
On receipt		Storm warnings.
<u>Otaru (JNL)</u>		
0100,1030,2235	472 kcs	SYNOPSIS, Forecasts valid for 24 hours.
On receipt	472 kcs 500 kcs	Storm warnings.
<u>Sakai (JNP)</u>		
0150,0850,2205	472 kcs	Weather summary, Forecasts valid for 24 hours.
On receipt*	472 kcs 500 kcs	Storm warnings.
<u>Sasebo (JNK)</u>		
0935,2235	472 kcs	Forecasts valid for 24 hours.
On receipt*	472 kcs 500 kcs	Storm warnings.
<u>Shiogama (JNN) †</u>		
0030,0625	472 kcs	Weather summary, Forecasts valid for 24 hours.
On receipt	472 kcs 500 kcs	Storm warnings.
<u>Yokohama (JGC)</u>		
0930,2350	444 kcs	SYNOPSIS, Forecasts valid for 24 hours.
On receipt	500 kcs	Storm warnings.

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- NOTES: 1. All broadcasts are transmitted in clear English (See Note 3).
 2. *On receipt broadcasts are transmitted in Japanese as well as English.
 3. #Niigata transmits in Japanese. On receipt broadcasts are transmitted in clear English.
 4. †All broadcasts are transmitted in clear English and Japanese.

INFORMATION DATED: March 1965.

260703 TOKYO (JMC)

AREA AFFECTED: Western North Pacific (for warnings and weather summary).

CALL SIGNS, TIMES AND FREQUENCIES

JMC	0000-2400	122.65 kcs	A1	3 KW
JMC 2	0000-2400	4298 kcs	A1	2 KW
JMC 3	0000-2400	6397 kcs	A1	2 KW
JMC 4	0945-1815	8526 kcs	A1	2 KW
JMC 5	0000-2400	12840 kcs	A1	2 KW
JMC 6	1815-0945	17029 kcs	A1	2.5 KW

SCHEDULE OF TRANSMISSIONS

<u>Time of Trans</u>	<u>Contents of Trans</u>
2348-0005	Part B: Emergency warnings for the area 50°N - 140°E, 40°N - 120°E, 20°N - 120°E. 20°N - 150°E, 50°N - 150°E.
0220-0245	Part 1: SYNOP FM 11.C SHIP FM 21.C Japan, Korea, China (Taiwan), Hong Kong.
0250-0315	Part 2: SYNOP FM 11.C SHIP FM 21.C China (Continent), Siberia, Pacific Islands, Alaska, Philippines, Viet-Nam
0318-0345	Part A: Warnings and weather summary for the area 60°N - 100°E, 0°N - 100°E, 0°N - 180°E, 60°N - 180°E.
0348-0410	Part C: Warnings and weather summary for the area 60°N - 100°E, 0°N - 100°E, 0°N - 180°E, 60°N - 180°E.

-continued

H. O. PUB. NO. 118B
RADIO WEATHER AIDS

MARINE BROADCASTS
ASIA

260703 —continued

0450-0515	Part D: IAC - FM 45C Surface analysis for the area: 60°N - 95°E, 0°N - 95°E, 0°N - 175°W. 60°N - 175°W.		
0548-0605	Part B: See 2348	1518-1545	Part A: See 0318
0820-0845	Part 1: See 0220	1548-1610	Part C: See 0348
0850-0915	Part 2: See 0250	1650-1715	Part D: See 0450
0918-0945	Part A: See 0318	1748-1805	Part B: See 2348
0948-1010	Part C: See 0348	2020-2045	Part 1: See 0220
1050-1115	Part D: See 0450	2050-2115	Part 2: See 0250
1148-1205	Part B: See 2348	2118-2145	Part A: See 0318
1420-1445	Part 1: See 0220	2148-2210	Part C: See 0348
1450-1515	Part 2: See 0250	2250-2315	Part D: See 0450

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- NOTES: 1. The 2348, 0548, 1148 and 1748 broadcasts are issued only when a disturbance or a storm is threatening over Japan and neighbouring waters. In such case, they will be announced in the foregoing Part A and Part C broadcasts.
2. The 0318, 1518, 2118 broadcasts in English. The 2348, 0548, 1148 broadcast in English and Japanese. All other broadcast in Japanese only.

INFORMATION DATED: October 1965.

260900 PAKISTAN

260901 KARACHI (ASK)

CHITTAGONG (PAHARTALI) (ASC)

AREA AFFECTED: 1. Arabian Sea north of 20N, Gulf of Oman and Persian Gulf.
2. Bay of Bengal north of 18N.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Frequencies (A ₂)	Contents of Trans
<u>Karachi (ASK)</u>		
0830,1630*.	484 kcs (A ₁) 500 kcs 8694 kcs (A ₁) 13024 kcs (A ₁)	General inference and forecasts for area 1.
0030,0430#, 1230,2030.	500 kcs	General inferences.
On receipt	500 kcs	Storm warnings.
<u>Chittagong (ASC)</u>		
0850,1650*	446 kcs	General inferences and forecasts for area 2.
0050,0450#, 1250,2050.	500 kcs	General inferences.
On receipt	500 kcs	Storm warnings.

- NOTES: 1. *broadcasts transmitted daily.
2. #0030 and 0050 broadcasts are issued if necessary, in the event of disturbances and invariably when a depression has formed. 0430, 0450, etc. broadcasts are issued only on development of a cyclonic storm.
3. Special broadcasts at any hour are issued if observations received during the interval between two consecutive broadcasts indicate an unexpected development of a cyclonic storm or an unexpected movement of a cyclonic storm.
4. All broadcasts are in clear English.

INFORMATION DATED: September 1965.

260920 TAIWAN

260921 KAOHSIUNG (XSW)

KEELUNG RADIO (XSX)

AREA AFFECTED: Sea areas around Taiwan Island.

SCHEDULE OF TRANSMISSIONS

Time of Trans	Frequencies (A ₁)	Contents of Trans
<u>Kaohsiung (XSW)</u>		
0500,1100, 2300	460 kcs* 8582 kcs	MAFOR FM61.C., Special marine weather bulletin: gale/storm/ hurricane warnings.
<u>Keelung Radio (XSX)</u>		
0430,1030, 2230	420 kcs* 8714 kcs	MAFOR FM61.C., Special marine weather bulletin: gale/storm/ hurricane warnings.
<u>Hualien Radio (XSY)</u>		
0530,1130, 2330	523 kcs* 8546 kcs	MAFOR FM 61C. Special marine weather bulletin: gale/storm/hurricane warnings.

- NOTES: 1. *After preliminary call on 500 kcs.
2. Warnings transmitted in clear English.

INFORMATION DATED: January 1967.

260900 PAKISTAN

260901 KARACHI (ASK)

AREA AFFECTED: Arabian Sea north of
20N, Gulf of Oman and
Persian Gulf.

TIMES AND FREQUENCIES

0830 ¹ , 1630	484 kcs	A1	1.5 KW
	500 kcs	A2	1.5 KW
1630 ¹	8594 kcs	A1	1.5 KW
0830 ¹	13024 kcs	A1	1.5 KW
0030 ² , 0430 ³ , 1230 ³ , 2030 ³	500 kcs	A2	1.5 KW
On receipt ⁴			

SCHEDULE OF TRANSMISSIONS

Time of Trans	Time of Obs	Contents of Trans
0030	1800	General inference for the area affected.
0430	0000	See 0030.
0830	and/or 2100. 0300	General inference and forecasts for area affected.
1230	0900	See 0030.
1630	and/or 0600. 1200	See 0830.
2030	1500	See 0030.
On receipt ⁴		Storm warnings.

- NOTES: 1. 0830 and 1630 broadcasts are daily broadcasts.
2. 0030 broadcast is issued, if necessary, in the event of disturbances and invariably when a depression has formed.
3. 0430, 1230 and 2030 broadcasts are issued only on development of a cyclonic storm.
4. Special broadcasts at any hour are issued if observations received during the interval between two consecutive broadcasts indicate an unexpected development of a cyclonic storm or an unexpected movement of a cyclonic storm.
5. In the event of interference or interruption on this wavelength, the message will be broadcast on 500 kcs.
6. All broadcasts in clear English.

INFORMATION DATED: April 1964.

260902 CHITTAGONG (PAHARTALI) (ASC)

AREA AFFECTED: Bay of Bengal north of
18N.

TIMES AND FREQUENCIES

0850, 1650	466 kcs	A2	3 KW
0050, 0450, 1250, 2050, and on receipt.	500 kcs	A2	3 KW

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
0050	General inference for the area affected.
0450	See 0050.
0850	General inference and forecasts for the area affected.
1250	See 0050
1650	See 0850
2050	See 0050
On receipt	Storm warnings.

- NOTES: 1. 0850 and 1650 broadcasts are daily broadcasts.
2. 0050 broadcast is issued, if necessary, in the event of disturbances and invariably when a depression has formed.
3. 0450, 1250 and 2050 broadcasts are issued only on development of a cyclonic storm.
4. Special broadcasts at any hour are issued if observations received during the interval between two consecutive broadcasts indicate an unexpected development of a cyclonic storm or an unexpected movement of same.
5. All broadcasts are transmitted in clear English.

INFORMATION DATED: April 1964.

260920 TAIWAN

260921 KAOHSIUNG (XSW)

AREA AFFECTED: Sea areas around Taiwan Island.

TIMES AND FREQUENCIES

0230	460 kcs	Al 1 KW
0830	(after call on 500 kcs)	
1430	8582 kcs	Al 1 KW

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
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0230	MAFOR FM 61.C. Special marine weather bulletin: gale/storm/ hurricane warnings for area affected.
0830	See 0230.
1430	See 0230.

NOTES: 1. Gale/storm/hurricane warnings are transmitted in clear English.

INFORMATION DATED: February 1964.

260922 KEELUNG RADIO (XSX)

AREA AFFECTED: Sea areas around Taiwan Island.

TIMES AND FREQUENCIES

0200	420 kcs	Al 1 KW
0800	(after call on 500 kcs)	
1400	8714 kcs	Al 350W

SCHEDULE OF TRANSMISSIONS

Time of Trans	Contents of Trans
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0200	MAFOR FM 61.C. Special marine bulletin: gale/ storm/hurricane warnings for the area affected.
0800	See 0200.
1400	See 0200.

NOTES: 1. Gale/storm/hurricane warnings are transmitted in clear English.

INFORMATION DATED: February 1964.

