

WORLD NDBP DATABASE FOR DXERS

Version 1.1

Last updated 8th of February 2021

Compiled by Alan Gale, G4TMV

This Database is divided into three separate sections.

Section One:	NBDP Stations sorted by Time Order
Section Two:	NBDP Stations sorted by Frequency Order
Section Three:	NBDP Stations sorted by Navarea Order
Section Four:	Key to Abbreviations used
Section Five:	Credits & Sources

NOTE #1: The Country Identifiers used in this list are taken from the **NDB List Country Code List** (available from the NDB List Info page: <https://www.ndblist.info/ndbinfo/countrylist.pdf>)

NOTE #2: This list is aimed only at radio enthusiasts, and it goes without saying that it should not be used for navigational purposes since the data cannot be confirmed as being 100% accurate and up to date. Any updates and corrections would be much appreciated.

NOTE #3: NBDP enthusiasts may be interested in joining the **NAVTEX DX Group**, which can be found at: <https://groups.io/g/navtexdx/>

NOTE #4: I highly recommend the '**NAVTEXview**' program by **Tobias Taufer (T2)**, which uses the data from this file, you can download a copy from the **NDB List Datamodes** page which can be found at: <https://www.ndblist.info/datamodes.htm>

NOTE #5: Lat /Long details are not guaranteed to be accurate and should not be used for navigation purposes.

Updates and corrections for this list can be sent to: <**ndbpupdates** at **ndblist.info**> (replace the 'at' with @)

HF NARROW BAND DIRECT PRINTING (NBDP) STATIONS:

This section was introduced to the World NAVTEX Database back in April 2011 as a result of the growing interest in these NBDP transmissions, particularly as some were being used to test their ability to carry MSI information to the Polar Regions, which will eventually be served by various new stations as part of the WNWNS Navarea expansion programme. I cannot guarantee that this list is 100% accurate as the data comes from a variety of different sources but would appreciate any additions, corrections, or confirmation that the times and details shown below are correct when possible. As of August 2020, I decided to move all of the data into a publication of its own as this makes keeping them up to date a lot simpler for me.

NOTE# HF NBDP stations don't appear to use a 'slot' plan in the same way that the MF stations do, and the ones shown seem to be allocated by the stations themselves to differentiate between the frequencies that the broadcasts are going out on, e.g. Boston uses [A] for 6 MHz, [B] for 8 MHz, [C] for 12 MHz and [D] for 16 MHz, whereas Honolulu uses [A] for 8 MHz, [B] for 12 MHz and [C] for 16 MHz.

SECTION ONE: SORTED BY TIME ORDER

UTC:	kHz:	Call:	Station Name:	COU:	Country:	Slot:	Mode:	Latitude:	Longitude:	Locator:	Area:	Lang:	Status:	Notes:
0005	8416.5	NMC	Point Reyes	USA	United States		F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	XII	EE	active	
0015	16806.5	NMC	Point Reyes	USA	United States		F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	XII	EE	active	
0030	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0030	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0030	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0030	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0050	6324.5	KPH	San Francisco	USA	United States		F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	XII	EE	active	Saturdays & Special Events
0050	12585.0	KPH	San Francisco	USA	United States		F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	XII	EE	active	Saturdays & Special Events
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0130	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
0130	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
0130	22376.0	NMO	Honolulu, HI	HWA	Hawaii	[C]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
0140	6314.0	NMF	Boston	USA	United States	[A]	F1B	41° 39' 00 N	70° 33' 00 W	FN41rp	IV	EE	active	
0140	8416.5	NMF	Boston	USA	United States	[B]	F1B	41° 39' 00 N	70° 33' 00 W	FN41rp	IV	EE	active	
0140	12579.0	NMF	Boston	USA	United States	[C]	F1B	41° 39' 00 N	70° 33' 00 W	FN41rp	IV	EE	active	
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0230	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0230	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0230	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0230	12709.9	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0230	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0230	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	PACTOR FEC 200bd
0230	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0250	6326.0	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC	active	
0250	8425.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
0250	12637.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	

0250	16898.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
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0300	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0300	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0300	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
0330	8416.5	VFF	Iqaluit CG NU	CAN	Canada	[A]	F1B	63° 43' 70 N	068° 33' 00 W	FP53rr	XVII	EE	active	(main)
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0400	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0400	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0400	12709.9	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0400	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	PACTOR FEC 200bd
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0500	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
0500	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0500	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
0500	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0500	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0530	4210.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
0530	8416.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
0530	8416.5	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	IX		active	
0530	12579.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
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0600	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0600	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0600	12709.9	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
0600	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	PACTOR FEC 200bd
0630	4210.0	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt		F1B	30° 28' 00 N	032° 22' 00 E	KM60el	IX		active	
0630	8416.5	LGV	Vardø – Hammerfest	NOR	Norway	[B]	F1B	78° 43' 00 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
0645	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
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0700	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
0700	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
0700	16886.0	TAL	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III		active	Radio telex
0715	12579.0	UAT	Moscow Radio	RUS	Russia		F1B	55° 51' 00 N	038° 14' 00 E	KO95cu	XX	EE	active	
0730	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
0730	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
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0800	4560.0	TAH	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III		active	Radio Telex
0800	8431.0	TAF	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III	EE	active	Radio Telex
0800	12654.0	TAL	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III	EE	active	Radio Telex
0830	12579.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	IX		active	
0850	6326.0	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC	active	
0850	8425.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
0850	12637.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
0850	16898.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
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0900	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0900	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0900	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
0930	8424.0	SVU4	Olympia Radio	GRC	Greece		F1B	37° 36' 00 N	021° 29' 00 E	KM07ro	III	GK/EE	active	
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1000	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1000	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1000	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1030	6314.0	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt		F1B	30° 28' 00 N	032° 22' 00 E	KM60el	IX		active	
1030	12579.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	IX		active	
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1100	8416.5	LGV	Vardø – Hammerfestl	NOR	Norway	[B]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
1115	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
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1200	4212.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
1200	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
1200	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
1230	8416.5	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	IX		active	
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1300	8416.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
1300	12579.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
1300	19680.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
1330	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
1330	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
1350	8425.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
1350	12637.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC	active	

1350	16898.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
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1400	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1400	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1400	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1400	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1430	4210.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12' 00 N	057° 17' 00 E	GL17ie	IX		active	
1430	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V		active	Brazilian Navy
1430	8416.5	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt		F1B	30° 28' 00 N	032° 22' 00 E	KM60el	IX		active	
1430	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V		active	Brazilian Navy
1430	12709.9	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
1430	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	PACTOR FEC 200bd
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1500	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
1500	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
1500	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
1520	4219.0	XSQ	Guangzhou	CHN	China		F1B	23° 09' 56 N	113° 30' 80 E	OL63sd	XI	CC	active	
1530	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1530	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1530	8416.5	VFF	Iqaluit CG NU	CAN	Canada	[A]	F1B	63° 43' 70 N	068° 33' 00 W	FP53rr	XVII	EE	active	(main)
1530	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1530	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
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1600	4212.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
1600	8416.5		Callao	PRU	Peru		F1B	12° 03' 00 S	077° 07' 00 W	FH17kw	XVI		planned	
1600	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
1600	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
1600	16886.0	TAL	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III	EE	active	Radio Telex
1630	8416.5	NMF	Boston	USA	United States	[B]	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	IV	EE	active	
1630	12579.0	NMF	Boston	USA	United States	[C]	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	IV	EE	active	
1630	16806.5	NMF	Boston	USA	United States	[D]	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	IV	EE	active	
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1730	16806.5	NMC	Point Reyes	USA	United States		F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	XII	EE	active	
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1800	8416.5	NMC	Point Reyes	USA	United States		F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	XII	EE	active	
1830	4210.0	EQI	Bandar Abbas	IRN	Iran		F1B	27° 12' 00 N	057° 17' 00 E	GL17ie	IX		active	
1830	8416.5	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
1830	8416.5	LGV	Vardø – Hammerfest	NOR	Norway	[B]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
1830	12579.0	L2Z	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	

1830	19680.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
1845	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
1845	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
1845	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
1845	12709.9	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
1845	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	PACTOR FEC 200bd
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1900	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1900	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1900	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1900	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
1900	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
1900	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
1900	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
1915	8416.5	UAT	Moscow Radio	RUS	Russia		F1B	55° 51' 00 N	038° 14' 00 E	KO95cu	XX	EE	active	
+++++														
2000	4212.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
2000	4560.0	TAH	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III		active	Radio Telex
2000	8416.5	OBV2	Paita	PRU	Peru		F1B	05° 05' 00 S	081° 07' 00 W	EI94kw	XVI		planned	
2000	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
2000	8431.0	TAF	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III	EE	active	Radio Telex
2000	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
2000	12654.0	TAL	Istanbul	TUR	Turkey		F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	III	EE	active	Radio Telex
2030	8416.5	NMO	Honolulu, HI	HWA	Hawaii	[A]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
2030	12579.0	NMO	Honolulu, HI	HWA	Hawaii	[B]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
2030	22376.0	NMO	Honolulu, HI	HWA	Hawaii	[C]	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	XII	EE	active	
+++++														
2100	4210.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
2100	8416.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
2100	8416.5		Mollendo	PRU	Peru		F1B	17° 01' 00 S	072° 01' 00 W	FH32xx	XVI		planned	
2100	12579.0	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
2100	16806.5	L2E	Buenos Aires	ARG	Argentina		F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	VI	SS/EE	active	
2130	6448.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
2130	8424.0	SVU4	Olympia Radio	GRC	Greece		F1B	37° 36' 00 N	021° 29' 00 E	KM07ro	III	GK/EE	active	
2130	8580.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
2130	12709.9	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	Brazilian Navy
2130	16974.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	PACTOR FEC 200bd
+++++														
2220	4219.0	XSQ	Guangzhou	CHN	China		F1B	23° 09' 56 N	113° 30' 80 E	OL63sd	XI	CC	active	
+++++														

2300	4210.0	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
2300	8416.5	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
2300	8416.5	LGV	Vardø – Hammerfest	NOR	Norway	[B]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
2300	8417.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
2300	12579.0	LZZ	Comodoro Rivadavia	ARG	Argentina		F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	VI	SS/EE	active	
2300	12581.5	XSV	Tianjin	CHN	China		F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	XI	CC	active	
2315	4210.0	LGV	Vardø – Hammerfest	NOR	Norway	[A]	F1B	78° 43' 01 N	023° 47' 54 E	KQ10vr	XIX	EE	active	HF Aerial
2315	12579.0	NRV	Guam	GUM	Guam	[A]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
2315	16806.5	NRV	Guam	GUM	Guam	[B]	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
2315	22376.0	NRV	Guam	GUM	Guam		F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	XI	EE	active	
2350	8425.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
2350	12637.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	
2350	16898.5	XSG	Shanghai	CHN	China		F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	XI	CC/EE	active	

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????	4266.0	PWZ33	Rio de Janeiro	BRA	Brazil		F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	V	PP	active	(on request)
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Note# - PWZ33 Brazilian Navy also operates in the PACTOR FEC Mode J2D at 200bd on request

SECTION TWO: SORTED BY FREQUENCY ORDER

kHz:	Call:	Station Name:	COU:	Country:	Mode:	Latitude:	Longitude:	Locator:	Transmission Times - All in UTC:	Area:	Lang:	Status:
4210.0	LZZ	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	0530, 2300	VI		active
4210.0	LZE	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 0300, 1000, 1400, 1530, 1900, 2100	VI	SS/EE	active
4210.0	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt	F1B	30° 28' 00 N	032° 22' 00 E	KM60el	0630	IX		active
4210.0	EQI	Bandar Abbas	IRN	Iran	F1B	27° 12' 00 N	057° 17' 00 E	GL17ie	1430, 1830	IX		active
4210.0	LGV	Vardø – Hammerfest	NOR	Norway	F1B	70° 43' 01 N	023° 47' 54 E	KQ10vr	0645, 1115, 1845, 2315	XIX	EE	active
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4212.5	XSV	Tianjin	CHN	China	F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	1200, 1600, 2000	XI	CC	active
+++++												
4219.0	XSQ	Guangzhou	CHN	China	F1B	23° 09' 56 N	113° 30' 80 E	OL63sd	1520, 2220	XI	CC	active
+++++												
4266.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	on request	V	PP	active
+++++												
4560.0	TAH	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0800, 2000	III		active
+++++												
6314.0	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	0140	IV	EE	active
6314.0	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt	F1B	30° 28' 00 N	032° 22' 00 E	KM60el	1030	IX		active
+++++												
6324.5	KPH	San Francisco Radio	USA	United States	F1B	38° 05' 00 N	122° 56' 00 E	PM18lc	0050 (Saturdays and Special Events only)	XII	EE	active
+++++												
6326.0	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850	XI	CC	active
+++++												
6448.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
+++++												
8416.5	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	0140, 1630	IV	EE	active
8416.5	LZE	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 0300, 1000, 1400, 1530, 1900, 2100	VI	SS/EE	active
8416.5	LZZ	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	0530, 1300, 1830, 2300	VI		active
8416.5	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt	F1B	30° 28' 00 N	032° 22' 00 E	KM60el	1430	IX		active

8416.5	EQI	Bandar Abbas	IRN	Iran	F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	0530, 1230		IX		active
8416.5	NMO	Honolulu, HI	HWA	Hawaii	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	0130, 0730, 1330, 2030		XII	EE	active
8416.5	NMC	Point Reyes	USA	United States	F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	0005, 1800		XII	EE	active
8416.5	OBY2	Païta	PRU	Peru	F1B	05° 05' 00 S	081° 07' 00 W	EI94kw	2000		XVI		planned
8416.5		Callao	PRU	Peru	F1B	12° 03' 00 S	077° 07' 00 W	FH17kw	1600		XVI		planned
8416.5		Mollendo	PRU	Peru	F1B	17° 01' 00 S	072° 01' 00 W	FH32xx	2100		XVI		planned
8416.5	VFF	Iqaluit CG NU	CAN	Canada	F1B	63° 43' 70 N	068° 33' 00 W	FP53rr	0330, 1530		XVIII	EE	active
8416.5	UAT	Moscow Radio	RUS	Russia	F1B	55° 51' 00 N	038° 14' 00 E	KO95cu	1915		XX	EE	active
8416.5	LGV	Vardø – Hammerfest	NOR	Norway	F1B	70° 43' 01 N	023° 47' 54 E	KQ10vr	0630, 1100, 1830, 2300		XIX	EE	active

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8417.5	XSV	Tianjin	CHN	China	F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	0500, 0700, 1200, 1600, 2000, 2300		XI	CC	active
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8424.0	SVU4	Olympia Radio	GRC	Greece	F1B	37° 36' 00 N	021° 29' 00 E	KM07ro	0930, 2130 F1B		III	GK/EE	active
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8425.5	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850, 1350, 2350		XI	CC/EE	active
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8431.0	TAF	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0800, 2000		III	EE	active
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8580.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130		V	PP	active
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12579.0	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	0140, 1630		IV	EE	active
12579.0	LZZ	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	0530, 1300, 1830, 2300		VI	SS/EE	active
12579.0	LZE	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 0300, 1000, 1400, 1530, 1900, 2100		VI	SS/EE	active
12579.0	EQI	Bandar Abbas	IRN	Iran	F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	0830, 1030		IX		active
12579.0	NRV	Guam	GUM	Guam	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	0230, 0500, 0900, 1500, 1900, 2315		XI	EE	active
12579.0	NMO	Honolulu, HI	HWA	Hawaii	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	0130, 0730, 1330, 2030		XII	EE	active
12579.0	UAT	Moscow Radio	RUS	Russia	F1B	55° 51' 00 N	038° 14' 00 E	KO95cu	0715		XX	EE	active

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12581.5	XSV	Tianjin	CHN	China	F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	0500, 0700, 1200, 1600, 2000, 2300		XI	CC	active
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12585.0	KPH	San Francisco Radio	USA	United States	F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	0050 (Saturdays and Special Events only)		XII	EE	active
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12637.5	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850, 1350, 2350	XI	CC/EE	active
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12654.0	TAL	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0800, 2000	III	EE	active
+++++												
12709.9	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
+++++												
16806.5	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	1630	IV	EE	active
16806.5	L2E	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 1400, 1530, 1900, 2100	VI	EE	active
16806.5	NRV	Guam	GUM	Guam	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	0230, 0500, 0900, 1500, 1900, 2315	XI	EE	active
16806.5	NMC	Point Reyes	USA	United States	F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	0015, 1730	XII	EE	active
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16886.0	TAL	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0700, 1600	III		active
+++++												
16898.5	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850, 1350, 2350	XI	CC/EE	active
+++++												
16974.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
+++++												
19680.5	L2Z	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	1300, 1830	VI		active
+++++												
22376.0	NRV	Guam	GUM	Guam	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	0230, 0500, 0900, 1500, 1900, 2315	XI	EE	active
22376.0	NMO	Honolulu, HI	HWA	Hawaii	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	0130, 2030	XII	EE	active

Note# - PWZ33 Brazilian Navy also operates in the PACTOR FEC Mode J2D at 200bd on request

SECTION THREE:

SORTED BY NAVAREA ORDER

kHz:	Call:	Station Name:	COU:	Country:	Mode:	Latitude:	Longitude:	Locator:	Transmission Times - All in UTC:	Area:	Lang:	Status:
4560.0	TAH	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0800, 2000	III		active
8424.0	SVU4	Olympia Radio	GRC	Greece	F1B	37° 36' 00 N	021° 29' 00 E	KM07ro	0930, 2130 F1B	III	GK/EE	active
8431.0	TAF	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0800, 2000	III	EE	active
12654.0	TAL	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0800, 2000	III	EE	active
16886.0	TAL	Istanbul Radio Telex	TUR	Turkey	F1B	41° 04' 00 N	028° 57' 00 E	KN41lb	0700, 1600	III		active
+++++												
6314.0	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	0140	IV	EE	active
8416.5	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	0140, 1630	IV	EE	active
12579.0	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	0140, 1630	IV	EE	active
16806.5	NMF	Boston	USA	United States	F1B	41° 39' 00 N	070° 33' 00 W	FN41rp	1630	IV	EE	active
+++++												
4266.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	on request	V	PP	active
6448.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
8580.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
12709.9	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
16974.0	PWZ33	Rio de Janeiro	BRA	Brazil	F1B & J2D	22° 56' 00 S	043° 20' 00 W	GG87hb	0230, 0400, 0600, 1430, 1845, 2130	V	PP	active
+++++												
4210.0	L2Z	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	0530, 2300	VI		active
4210.0	L2E	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 0300, 1000, 1400, 1530, 1900, 2100	VI	SS/EE	active
8416.5	L2E	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 0300, 1000, 1400, 1530, 1900, 2100	VI	SS/EE	active
8416.5	L2Z	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	0530, 1300, 1830, 2300	VI		active
12579.0	L2Z	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	0530, 1300, 1830, 2300	VI		active
12579.0	L2E	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 0300, 1000, 1400, 1530, 1900, 2100	VI	SS/EE	active
16806.5	L2E	Buenos Aires	ARG	Argentina	F1B	34° 27' 00 S	058° 35' 00 W	GF05qn	0030, 1400, 1530, 1900, 2100	VI	SS/EE	active
19680.5	L2Z	Comodoro Rivadavia	ARG	Argentina	F1B	45° 51' 00 S	067° 25' 00 W	FE64gd	1300, 1830	VI		active
+++++												
4210.0	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt	F1B	30° 28' 00 N	032° 22' 00 E	KM60el	0630	IX		active
4210.0	EQI	Bandar Abbas	IRN	Iran	F1B	27° 12' 00 N	057° 17' 00 E	GL17ie	1430, 1830	IX		active
6314.0	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt	F1B	30° 28' 00 N	032° 22' 00 E	KM60el	1030	IX		active
8416.5	SUZ	Ismailia (al Ismailiyah)	EGY	Egypt	F1B	30° 28' 00 N	032° 22' 00 E	KM60el	1430	IX		active
8416.5	EQI	Bandar Abbas	IRN	Iran	F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	0530, 1230	IX		active
12579.0	EQI	Bandar Abbas	IRN	Iran	F1B	27° 12' 00 N	057° 17' 00 E	LL87pe	0830, 1030	IX		active
+++++												
4212.5	XSV	Tianjin	CHN	China	F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	1200, 1600, 2000	XI	CC	active
4219.0	XSQ	Guangzhou	CHN	China	F1B	23° 09' 56 N	113° 30' 80 E	OL63sd	1520, 2220	XI	CC	active

6326.0	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850	XI	CC	active
8417.5	XSV	Tianjin	CHN	China	F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	0500, 0700, 1200, 1600, 2000, 2300	XI	CC	active
8425.5	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850, 1350, 2350	XI	CC/EE	active
12579.0	NRV	Guam	GUM	Guam	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	0230, 0500, 0900, 1500, 1900, 2315	XI	EE	active
12581.5	XSV	Tianjin	CHN	China	F1B	39° 02' 00 N	117° 26' 00 E	OM89ra	0500, 0700, 1200, 1600, 2000, 2300	XI	CC	active
12637.5	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850, 1350, 2350	XI	CC	active
16806.5	NRV	Guam	GUM	Guam	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	0230, 0500, 0900, 1500, 1900, 2315	XI	EE	active
16898.5	XSG	Shanghai	CHN	China	F1B	31° 08' 00 N	121° 33' 00 E	PM01sd	0250, 0850, 1350, 2350	XI	CC/EE	active
22376.0	NRV	Guam	GUM	Guam	F1B	13° 29' 00 N	144° 50' 00 E	QK23kl	0230, 0500, 0900, 1500, 1900, 2315	XI	EE	active

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6324.5	KPH	San Francisco Radio	USA	United States	F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	0050 (Saturdays and Special Events only)	XII	EE	active
8416.5	NMO	Honolulu, HI	HWA	Hawaii	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	0130, 0730, 1330, 2030	XII	EE	active
8416.5	NMC	Point Reyes	USA	United States	F1B	21° 26' 00 N	158° 09' 00 W	CM87pw	0005, 1800	XII	EE	active
12579.0	NMO	Honolulu, HI	HWA	Hawaii	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	0130, 0730, 1330, 2030	XII	EE	active
12585.0	KPH	San Francisco Radio	USA	United States	F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	0050 (Saturdays and Special Events only)	XII	EE	active
16806.5	NMC	Point Reyes	USA	United States	F1B	37° 56' 00 N	122° 44' 00 W	CM87pw	0015, 1730	XII	EE	active
22376.0	NMO	Honolulu, HI	HWA	Hawaii	F1B	21° 26' 00 N	158° 09' 00 W	BL01wk	0130, 2030	XII	EE	active

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8416.5	OBY2	Paita	PRU	Peru	F1B	05° 05' 00 S	081° 07' 00 W	EI94kw	2000	XVI		planned
8416.5		Callao	PRU	Peru	F1B	12° 03' 00 S	077° 07' 00 W	FH17kw	1600	XVI		planned
8416.5		Mollendo	PRU	Peru	F1B	17° 01' 00 S	072° 01' 00 W	FH32xx	2100	XVI		planned

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8416.5	VFF	Iqaluit CG NU	CAN	Canada	F1B	63° 43' 70 N	068° 33' 00 W	FP53rr	0330, 1530	XVIII	EE	active
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4210.0	LGV	Vardø – Hammerfest	NOR	Norway	F1B	70° 43' 01 N	023° 47' 54 E	KQ10vr	0645, 1115, 1845, 2315	XIX	EE	active
8416.5	LGV	Vardø – Hammerfest	NOR	Norway	F1B	70° 43' 01 N	023° 47' 54 E	KQ10vr	0630, 1100, 1830, 2300	XIX	EE	active

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8416.5	UAT	Moscow Radio	RUS	Russia	F1B	55° 51' 00 N	038° 14' 00 E	KO95cu	1915	XX	EE	active
12579.0	UAT	Moscow Radio	RUS	Russia	F1B	55° 51' 00 N	038° 14' 00 E	KO95cu	0715	XX	EE	active

Note# - PWZ33 Brazilian Navy also operates in the PACTOR FEC Mode J2D at 200bd on request

SECTION TWO:

KEY TO ABBREVIATIONS USED:

Language:	ABB:
Arabic	AA
Chinese	CC
Dutch	DD
English	EE
French	FF
Georgian	GE
German	GG
Greek	GK
Hindi	HIN
Icelandic	IS
Japanese	JJ
Italian	IT
Korean	KO
Norwegian	NO
Persian	PE
Portuguese	PP
Russian	RR
Serbo-Croat	SC
Spanish	SS
Turkish	TT
Unknown	??
Urdu	UR
Vietnamese	VV

Abbreviation:	Meaning:
24H	= 24 Hour
bd	= Baud
COU	= NDB List Country Code is used
F1B	= SITOR Mode B
FEC	= Forward Error Correction
HF	= High Frequency
Lang.	= Language
MSI	= Maritime Safety Information
n/a	= Not Applicable
NBDP	= Narrow Band Direct Printing
Nm	= Nautical Miles
QSL	= QSL – Q Code for Verification of Reception
RTTY	= Radio Teletype
SITOR	= Simplex Teletype Over Radio
SNR	= Signal to Noise Ratio
WWNWS	= World Wide Navigational Warning Service

SECTION THREE:

CREDITS & SOURCES:

My thanks to all the following for their assistance, which is always much appreciated:

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