



UIT - BUREAU DES
RADIOCOMMUNICATIONS

**CONTRÔLE
INTERNATIONAL DES
ÉMISSIONS**

Cette publication contient les résultats de contrôle
des émissions soumis par les administrations
conformément à la lettre circulaire du BR CR/159
du 9 mai 2001

RÉSUMÉ N°:

SUMMARY N°: **372**

RESUMEN N°:

ITU - RADIOCOMMUNICATION
BUREAU

INTERNATIONAL MONITORING

This publication contains spectrum
monitoring information submitted by
administrations in accordance with BR
circular letter CR/159 of 9 May 2001

Période :

Monitoring Period: **01.10.21 - 31.12.21**

Período :

UIT - OFICINA DE
RADIOCOMUNICACIONES

**COMPROBACIÓN TÉCNICA
INTERNACIONAL DE LAS EMISIONES**

Esta publicación contiene la información sobre comprobación
técnica de emisiones (CTE) presentada por las
administraciones de acuerdo con la carta circular CR/159 de
la BR del 9 de mayo 2001

Dernière mise à jour des données:

Date of last update: **21.02.22**

Última fecha de actualización de datos:

Colonne description

Col.	Rubrique	Description
1	M_ADM	Administration responsable du centre de contrôle des émissions
2	M_CENTER	Centre de contrôle des émissions où les observations ont été faites
3	M_FREQ	Fréquence mesurée en kHz
4	M_JOUR	Jour pendant lequel l'observation a été faite
5	M_MOIS	Mois pendant lequel l'observation a été faite
6	M_HEURED	Heure de début de l'émission observée
7	M_HEUREF	Heure de fin de l'émission observée
8	M_DB	Valeur du champ mesuré en dB
9	M_IDEN	Identification de l'émission observée
10	M_ADMIN	Administration responsable de l'émission observée
11	M_CLST	Classe de la station contrôlée
12	M_BAND	Largeur de bande occupée
13	M_CLEM	Classe d'émission
14	M_LONG1	Degrés de la longitude
15	M_LONG2	Longitude Est ou Ouest
16	M_LONG3	Minutes de la longitude
17	M_LAT1	Degrés de la latitude
18	M_LAT2	Latitude Nord ou Sud
19	M_LAT3	Minutes de la latitude
20	M_BEAR	Relèvement de la station en degrés.
21	M_PREC	Précision estimée de la position ou la classification du relèvement
22	M_RR	Numéro de la colonne contenant les caractéristiques non conformes
23	M_REMARK	Remarques

Column description

Col.	Item	Description
1	M_ADM	Administration code responsible for the monitoring centre
2	M_CENTER	Monitoring centre where the observation was made.
3	M_FREQ	Frequency measured in kilohertz
4	M_JOUR	Day during which the observation was made
5	M_MOIS	Month during which the observation was made
6	M_HEURED	Starting time of the observed emission
7	M_HEUREF	Finishing time of the observed emission
8	M_DB	Field strength measured in dB
9	M_IDEN	Identification of the observed emission
10	M_ADMIN	Administration code responsible for the observed emission
11	M_CLST	Class of station of the monitored emission
12	M_BAND	Occupied bandwidth
13	M_CLEM	Class of emission
14	M_LONG1	Degrees portion of Longitude
15	M_LONG2	East or West Longitude
16	M_LONG3	Minutes portion of Longitude
17	M_LAT1	Degrees portion of Latitude
18	M_LAT2	North or South Latitude
19	M_LAT3	Minutes portion of Latitude
20	M_BEAR	Bearing of the station in degrees
21	M_PREC	Estimated accuracy or the classification of bearing
22	M_RR	Number of the column containing characteristics which are not in conformity
23	M_REMARK	Remarks

Descripción de columna

Col.	Elemento	Descripción
1	M_ADM	Administración encargada del centro de comprobación
2	M_CENTER	Centro de comprobación en el que se realizó la observación
3	M_FREQ	Frecuencia medida en kHz
4	M_JOUR	Día en que se efectuó la observación
5	M_MOIS	Mes en que se realizó la observación
6	M_HEURED	Hora en que se inicia la emisión observada
7	M_HEUREF	Hora de conclusión de la emisión observada
8	M_DB	Intensidad de campo medida en dB
9	M_IDEN	Identificación de la emisión observada
10	M_ADMIN	Administración responsable de la emisión observada
11	M_CLST	Clase de estación de la emisión observada
12	M_BAND	Anchura de banda ocupada
13	M_CLEM	Clase de emisión
14	M_LONG1	Grados de longitud
15	M_LONG2	Longitud hacia el este o hacia el oeste
16	M_LONG3	Minutos de longitud
17	M_LAT1	Grados de latitud
18	M_LAT2	Latitud norte o sur
19	M_LAT3	Minutos de latitud
20	M_BEAR	Marcación de la estación en grados
21	M_PREC	Precisión estimada de la clasificación de la marcación
22	M_RR	Número de la columna donde figuren las características que no guarden esa conformidad
23	M_REMARK	Observaciones



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
I	ROMA	2869.000	04	11	1547	1550	8.0		RUS	FA	2K70E	J3E										VOLMET
I	ROMA	2920.000	08	11	1708	1718	13.0	INTRUDERS USB			2K70E	J3E									3	RUSSIAN LANGUAGE
G	BALDOCK	2920.000	19	12	2057			(UKRAINIAN PIRATE)	UKR	FX		J3E							79	B		NON-CONFORMITY RR.5
I	ROMA	2941.000	11	11	1955	2000	4.0	VOLMET		AL	2K70E	J3E										RUSSIAN LANGUAGE
G	BALDOCK	2941.000	19	12	2100			ROSTOV VOLMET	RUS	FD		J3E							85	A		
J	TOKYO	2993.830	25	11	1003			DE5F				A1A	121	E	12	36	N	40	280	B		
G	BALDOCK	2998.000	19	12	2101			ID 007 SHANNON	IRL	FD		J1D							280	A		ARINC HFDL
HNG	TARNOK	2999.500	18	12	0000	0450	24.7				2K60	G1D										HF ACARS
RUS	MOROZOVSK	3000.000	29	12	1925	1930	10.0		UKR	AT	3K00	J3E	034	E	36	48	N	53	279	C	11	
RUS	MOROZOVSK	3020.000	29	12	1557	1605	10.0		UKR	AT	3K00	J3E	030	E	42	46	N	33	260	C	11	
HNG	TARNOK	3152.000	20	12	0000	0400	19.2		RUS	FX	4K00E	A3E										
HNG	TARNOK	3154.000	20	12	0000	0400	21.6		RUS	FX	4K00E	A3E										
HNG	TARNOK	3179.000	20	12	0000	0400	21.3		RUS	FX	4K00E	A3E										
HNG	TARNOK	3185.000	20	12	2000	2058	41.4				730H	F1B										500HZ 40BD
HNG	TARNOK	3187.000	20	12	0640	0830	20.0				370H	F1B										250HZ 75BD
HNG	TARNOK	3187.000	20	12	1240	2400	11.5				370H	F1B										250HZ 75BD
G	BALDOCK	3192.000	19	12	2103			?	DNK	FB		G1D	010	E	41	54	N	42	45	A		NOT TO IFRB
HNG	TARNOK	3194.000	20	12	1330	2400	19.9	DHJ 59	D	FX	2K94	G1D										STANAG 4285
RUS	S. PETERSBURG	3194.000	28	12	1505	1515	20.0		S	FX	3K33	G1D	013	E	02	56	N	47	257	B		
HNG	TARNOK	3194.200	20	12	0000	0830	42.1	DHJ 59	D	FX	2K94	G1D										STANAG 4285
J	TOKYO	3205.000	12	10	1011				KRE	BC		D7W	126	E	04	38	N	55	289	B		
J	TOKYO	3205.000	19	10	0748			KOREAN CENTRAL B.S.		BC		D7W										
J	TOKYO	3205.000	25	11	1008			V.O. KOREA		BC		D7W	125	E	45	38	N	50	290	B		
J	TOKYO	3205.000	02	12	0747			KOREAN CENTRAL B.S.		BC		D7W										
J	TOKYO	3205.000	09	12	0605				KRE				125	E	41	39	N	01	291	B		
HNG	TARNOK	3215.000	20	12	0000	0400	18.5		RUS	FX	4K00E	A3E										
J	TOKYO	3219.880	02	12	0748			KOREAN CENTRAL B.S.		BC		A3E									11	
J	TOKYO	3219.920	19	10	0750			KOREAN CENTRAL B.S.		BC		A3E									11	
KOR	CRMS	3220.000	13	10	0654	0654	-12.6		KRE	BC	8K42E	A3E									11	
KOR	CRMS	3220.000	03	11	0640	0640	25.8		KRE	BC		A3E									11	
J	TOKYO	3220.000	04	11	0426			PYONGYANG B.S.		BC		A3E									11	
KOR	CRMS	3220.000	13	12	0654	0654	-12.6		KRE	BC	8K42E	A3E									11	
INS	MSCK-TANGERANG	3220.000	23	12	0030	0100		KCBS PYONGYANG	KRE	BC	9K00	A3E									11	-
G	BALDOCK	3227.000	19	12	2108			V	RUS	RN		A1A							70	C		V BEACON
J	TOKYO	3230.090	12	10	1017							A1A										
G	BALDOCK	3240.000	15	12	1925			TWR AFRICA	SWZ	BC		A3E							150	C		SHONA LANGUAGE
G	BALDOCK	3243.000	15	12	1926			?	RUS	FX		XXX							69	A		
G	BALDOCK	3245.000	15	12	1928			?	RUS	FX		PXX							66	B		
G	BALDOCK	3249.000	15	12	1928			?	D	FX		G1D							70	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	3250.000	12	10	1020				KRE	BC		A3E	125	E	27	39	N	14	291	B		
J	TOKYO	3250.000	19	10	0753			KOREAN CENTRAL B.S.		BC		A3E									11	
J	TOKYO	3250.000	25	10	0607			PYONGYANG B.S.		BC		A3E	125	E	36	39	N	25	292	A	11	
J	TOKYO	3250.000	04	11	0418			KOREAN CENTRAL B.S.		BC		A3E									11	
J	TOKYO	3250.000	15	11	2352			PYONGYANG B.S.		BC		A3E	125	E	47	39	N	00	291	B	11	
KOR	CRMS	3250.000	16	11	0417	0417	3.0		KRE	BC		A3E									11	
J	TOKYO	3250.000	25	11	1011			V.O. KOREA		BC		A3E	125	E	40	38	N	53	289	B	11	
J	TOKYO	3250.000	02	12	0751			KOREAN CENTRAL B.S.		BC		A3E									11	
INS	MSCK-TANGERANG	3250.000	22	12	0630	0700		PYONGYANG BS	KRE	BC	9K00	A3E									11	-
J	TOKYO	3250.000	27	12	0138				KRE	BC		A3E	125	E	35	39	N	06	291	B		
G	BALDOCK	3255.000	15	12	1928			KCBS PYONGYANG	KRE	BC		A3E							38	B		PYONGYANG TX
G	BALDOCK	3260.000	15	12	1940			?	GRC	FX		G1D							120	A		2400BD STANAG 4285
G	BALDOCK	3265.000	15	12	1942			WBCQ THE OVERCOMER MINISTRY	USA	BC		A3E							285	C		
HNG	TARNOK	3288.000	22	12	1400	2400	26.7				2K94	G1D										STANAG4285
HNG	TARNOK	3288.500	22	12	0000		38.9				5K00	G1D										
G	BALDOCK	3300.000	15	12	1945			?		FX		F1B							60	B		
G	BALDOCK	3310.000	15	12	1948			?	B	BC		A3E							245	C		
HNG	TARNOK	3314.000	22	12	0000		18.9				2K94	G1D										MIL-188
KOR	CRMS	3320.000	11	10	0902	0902	-0.2		KRE	BC		A3E									11	
J	TOKYO	3320.000	12	10	1023				KRE	BC		A3E	126	E	07	39	N	42	293	B		
J	TOKYO	3320.000	19	10	0755			PYONGYANG B.S.		BC		A3E									11	
J	TOKYO	3320.000	25	10	0611				KRE	BC		A3E	125	E	27	39	N	02	290	A		
KOR	CRMS	3320.000	15	11	0005	0005	-2.2		KRE	BC		A3E									11	
J	TOKYO	3320.000	15	11	2356			PYONGYANG B.S.		BC		A3E	125	E	55	39	N	07	291	A	11	
J	TOKYO	3320.000	25	11	1015			PYONGYANG B.S.		BC		A3E	125	E	35	38	N	55	290	B	11	
J	TOKYO	3320.000	02	12	0754			PYONGYANG B.S.		BC		A3E									11	
KOR	CRMS	3320.000	13	12	0042	0042	-11.2		KRE	BC		A3E									11	
HNG	TARNOK	3320.000	22	12	0000		21.9				2K94	G1D										MIL-188
INS	MSCK-TANGERANG	3320.000	22	12	0530	0600		PYONGYANG BS	KRE	BC	9K00	A3E									11	-
I	ROMA	3322.000	08	11	1736	1736	20.0	WE01		FX	3K10E	J3E										141A (ALE)
HNG	TARNOK	3329.000	22	12	0000		29.4				2K94	G1D										MIL-188
HNG	TARNOK	3330.000	22	12			19.1	CHU	CAN	SS	2K80E	H3E										USB, TIME SIGNAL
I	ROMA	3361.000	20	10	2008	2008	9.0	1YAG		FX	300HE	A1A										
I	ROMA	3380.000	20	10	2009	2011	23.0	INTRUDERS LSB	F		2K70E	J3E									3	French lang
I	ROMA	3380.000	08	11	1703	1722	21.0	INTRUDERS LSB	GRC		7K00E	J3E									3	
I	ROMA	3385.000	08	11	1655	1702	27.0	INTRUDERS LSB	GRC		3K10E	J3E									3	
J	TOKYO	3394.000	12	10	1029							F1B							322	D		
I	ROMA	3400.000	20	10	2010	2013	21.0	INTRUDERS LSB	F		2K70E	J3E									3	French lang
I	ROMA	3413.000	20	10	1959	2001	11.0	SHANNON VOLMET	IRL	FA	2K70E	J3E										VOLMET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
I	ROMA	3413.000	11	11	2000	2005	21.0	SHANNON VOLMET	IRL	FA	2K70E	J3E										
HNG	TARNOK	3413.000	24	12	0000	0600	46.3	SHANNON VOLMET	IRL	FC	2K70E	J3E										USB
HNG	TARNOK	3413.000	24	12	1620	2400		SHANNON VOLMET	IRL	FC	2K70E	J3E										USB
J	TOKYO	3420.000	12	10	1031							A1A							292	C		
J	TOKYO	3420.000	12	10	1035				KRE			J3E	127	E	18	39	N	59	297	B		
HNG	TARNOK	3440.000	24	12	1935	2145					2K75E	J3E										LSB
HNG	TARNOK	3446.000	24	12	0700	0845	21.6	SHANWICK AERADIO			2K80	J3E										USB
I	ROMA	3450.000	04	11	1555	1558	1.0			FA	2K70E	J3E										ENG
HNG	TARNOK	3450.000	24	12	0000	0400	23.8	VOLMET		FC	2K70E	J3E										USB
HNG	TARNOK	3465.000	24	12	1636	2310					2K90E	J3E										LSB
J	TOKYO	3466.000	12	10	1037								120	E	21	37	N	04	281	B		
I	ROMA	3470.000	21	10	1753	1754	8.0		F	AT	2K70E	J3E									3	
I	ROMA	3470.000	11	11	1800	1807	17.0	LAURENT 28			2K70E	J3E									3	SSTV
I	ROMA	3470.000	20	11	1655	1656	24.0	LEGROS			2K70E	J3E									3	SSTV
I	ROMA	3470.000	20	11	1656	1657	32.0	DOM61			2K70E	J3E									3	SSTV
I	ROMA	3470.000	20	11	1658	1700	25.0				2K70E	J3E									3	SSTV
I	ROMA	3470.000	20	11	1701	1702	13.0	LEGROS			2K70E	J3E									3	SSTV
I	ROMA	3470.000	20	11	1703	1704	16.0	FRANCE SSTV	F		2K70E	J3E									3	SSTV
I	ROMA	3470.000	20	11	1732	1734	22.0				2K70E	J3E									3	SSTV
HNG	TARNOK	3470.000	24	12	0000	0200	27.8				2K70E	J3E										LSB FRENCH
I	ROMA	3475.000	20	10	2017	2019	17.0	INTRUDERS LSB	GRC		3K10E	J3E							112		3	
HNG	TARNOK	3475.000	24	12	1600	2140					2K80E	J3E										LSB
KOR	CRMS	3480.000	20	12	0005	0005	13.5		KRE	BC		A3E										11
RUS	NYAGAN	3480.000	24	12	1008	1204	33.0		KOR	BC	2K95	A3E	127	E	57	37	N	05	93	A	11	
I	ROMA	3485.000	14	11	2327	2327	4.0	GANDER RADIO	CAN	FA	2K70E	J3E										VOLMET
I	ROMA	3485.000	02	12	2350	2400	10.0	GANDER RADIO	CAN	FA	2K70E	J3E										VOLMET
I	ROMA	3494.000	04	12	1655	1657	5.0	HJAH		MA	2K70E	J3E										CALL FOR STOCKOLM RA
HNG	TARNOK	3495.000	24	12	0600	0700	24.4				2K50	J3E										LSB
HNG	TARNOK	3495.000	24	12	1550	2255					2K85E	J3E										LSB
HNG	TARNOK	3498.000	24	12	1610	2210					2K70E	J3E										LSB
I	ROMA	3503.500	21	10	1706	1706	29.0	XSS		FX	3K10E	J2D										141A (ALE)
I	ROMA	3505.600	21	10	1655	1702	5.0	SM**	S	AT	100HE	A1A										
I	ROMA	3505.600	21	10	1703	1704	12.0	DL1***	D	AT	100HE	A1A										
G	BALDOCK	3527.000	22	12	2309			?	RUS	FC		F1B							31	B		MURMANSK?
I	ROMA	3536.000	21	10	1708	1718	12.0	F9**	F	AT	100HE	A1A										FRENCH NATIONAL NETW
G	BALDOCK	3548.000	22	12	2314			?	RUS	FC		J7D							94	B		ODESSA / SEVASTOPOL
G	BALDOCK	3581.800	05	12	0325			?	ROU	FX		G1D							100	A		2400BD STANAG 4285
J	TOKYO	3585.000	16	11	0005			HLL2				F3C	128	E	31	35	N	57	276	B		
J	TOKYO	3585.000	25	11	1023			HLL2				F3C	127	E	25	35	N	49	275	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	3585.000	02	12	0806			HLL2				F3C										
J	TOKYO	3585.000	21	12	0424			HLL2				F3C	128	E	00	36	N	10	276	A		
G	BALDOCK	3588.500	22	12	2320			?	D	FX		XXX							98	A		16 TONE MODEM
I	ROMA	3604.900	14	11	2047	2049	27.0	S57**	SVN	AT	300HE	F1B										45 BAUD
G	BALDOCK	3608.000	05	12	0330			?	RUS	FC		F1B							70	B		KALININGRAD?
G	BALDOCK	3614.500	22	12	2324			?	RUS	FC		J7D							93	B		ODESSA / SEVASTOPOL
J	TOKYO	3634.000	04	11	0431				KOR			F1B	128	E	18	35	N	06	271	A		
J	TOKYO	3638.000	25	11	1026				RUS			F1B	133	E	55	45	N	14	335	A		
G	BALDOCK	3684.000	22	12	2330			?	GRC	FC		G1D							118	B		2400BD STANAG 4285
J	TOKYO	3725.000	02	12	0810				RUS				142	E	59	46	N	46	8	B		
I	ROMA	3730.000	21	11	2119	2120	31.0	AM5***	E	AT	2K70E	J3E										SSTV
I	ROMA	3733.000	21	10	1713	1714	21.0	DG2***	D	AT	2K70E	J3E										
I	ROMA	3733.000	20	11	2217	2221	25.0	F6***	F	AT	2K70E	J3E										EASYPAL
I	ROMA	3739.000	28	11	1739	1742	24.0	F6***	F	AT	2K70E	J3E										EASYPAL
I	ROMA	3739.000	28	11	1749	1754	22.0	F4***	F	AT	2K70E	J3E										EASYPAL
I	ROMA	3739.000	02	12	1655	1658	31.0	F8***	F	AT	2K70E	J3E										EASYPAL
G	BALDOCK	3803.800	05	12	0335			?	CYP	FX		G1D							113	A		2400BD STANAG 4285
INS	MSCK-TANGERANG	3804.150	20	12	0130	0200		Unknown		FX	3K00E	H3E										-
HNG	TARNOK	3805.011	26	12	0000	0840	31.4				2K92	G1D										STANAG4285
HNG	TARNOK	3805.011	26	12	1600	2400	42.3				2K92	G1D										STANAG4285
G	BALDOCK	3810.500	05	12	0340			?	RUS	FX		F1B							43	B		
G	BALDOCK	3820.000	22	12	2343			?	NOR	FC		G1D							32	B		2400BD STANAG 4285
HNG	TARNOK	3820.011	26	12	0000	0925	31.9				2K86	G1D										STANAG4285
INS	MSCK-TANGERANG	3822.900	20	12	0030	0100		Unknown		FX	3K00E	J3E										-
G	BALDOCK	3824.500	05	12	0344			?	RUS	FX		J7D							95	A		SEVASTOPOL?
HNG	TARNOK	3825.500	26	12	1515	2000	41.2				800H	F1B										500HZ 50BD
G	BALDOCK	3829.900	05	12	0348			?	RUS	FX		XXX							88	A		
RUS	SMOLENSK	3855.000	22	12	0700	0800	28.0		D	FX	2K99	F1C	010	E	29	53	N	44	327	B		
G	BALDOCK	3864.000	05	12	0350			?	NOR	FC		G1D							22	A		2400BD STANAG 4285
HNG	TARNOK	3864.000	26	12	0000	2400	22.9	JWT	NOR	FX	3K00E	G1D										STANAG4285
J	TOKYO	3865.000	12	10	1054			KTR4				A1A	126	E	02	39	N	35	293	B		
INS	MSPA-SAMARINDA	3875.000	17	12	2310	2315	43.8		INS	AT	2K40E	J3E										AMATIR
INS	MSPA-SAMARINDA	3880.000	17	12	2315	2320	43.4		INS	AT	2K40E	J3E										AMATIR
HNG	TARNOK	3881.000	26	12	0000	2400	31.3	FAV 22	F	FX	100HE	A1A										CW
G	BALDOCK	3881.000	31	12	2305			FAV22	F	FX		A1A							160	A		5 CHARACTER GROUPS
RUS	BELGOROD	3890.000	22	12	0616	0617	13.1		UKR		2K70	J3E	032	E	36	46	N	40				
HNG	TARNOK	3893.500	26	12	0000	2400	40.2				3K00E	G7D										
J	TOKYO	3900.000	12	10	1058					BC		A3E										
KOR	CRMS	3900.000	12	10	2117	2117	13.6		CHN	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	3900.000	12	12	2117	2117	13.6		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	3900.000	17	12	0600	0630		PBS HULUN BUIR	CHN	BC	9K00	A3E									-	
G	BALDOCK	3900.000	31	12	2310			PBS HULUN BUIR	CHN	BC		A3E							35	B		HAILAR TX SITE
J	TOKYO	3909.150	04	11	0438							A1A										
J	TOKYO	3909.960	19	10	0816				KOR	BC		A3E	127	E	05	37	N	26	285	B		
J	TOKYO	3909.970	04	11	0438				KOR	BC		A3E	127	E	21	37	N	20	284	A		
J	TOKYO	3909.970	02	12	0817					BC		A3E										
J	TOKYO	3909.970	09	12	0625				KOR	BC		A3E	126	E	53	37	N	33	284	B		
KOR	CRMS	3910.000	12	10	0403	0403	19.4		KRE	BC	8K13E	A3E									11	
KOR	CRMS	3910.000	12	11	0546	0546	12.3		KRE	BC		A3E									11	
KOR	CRMS	3910.000	13	12	0042	0042	22.6		KRE	BC		A3E									11	
RUS	SAMARA	3910.000	22	12	0730	0900	17.0		KOR	BC	5K00	A3E	126	E	50	37	N	35	64			
RUS	SAMARA	3910.000	22	12	0730	0900	16.0		KRE	BC	5K00	A3E	126	E	06	40	N	04	63			
G	BALDOCK	3910.000	31	12	2315			VOICE OF THE PEOPLE	KOR	BC		A3E							38	B		KYONGGI-DO KOYANG TX
J	TOKYO	3910.020	16	11	0016			V.O. PEOPLE		BC		A3E	127	E	52	36	N	40	280	A		
INS	MSPA-SAMARINDA	3915.000	17	12	2320	2325	44.5	BBC	SNG	BC	9K00E	A3E										
G	BALDOCK	3915.000	31	12	2320			BBC WS	SNG	BC		A3E							80	B		KRANJI TX
J	TOKYO	3919.940	19	10	0817			KOREAN CENTRAL B.S.		BC		A3E										
J	TOKYO	3919.940	04	11	0440			KOREAN CENTRAL B.S.		BC		A3E										
INS	MSCK-TANGERANG	3920.000	17	12	0530	0600		KCBS PYONGYANG	KRE	BC	9K00	A3E									-	
J	TOKYO	3930.000	12	10	1106				KRE	BC		A3E	125	E	42	38	N	53	289	B		
KOR	CRMS	3930.000	16	10	1519	1519	14.0		KRE	BC		A3E									11	
KOR	CRMS	3930.000	01	11	0142	0142	2.6		KRE	BC		A3E									11	
J	TOKYO	3930.000	02	12	0820					BC		A3E										
J	TOKYO	3930.000	09	12	0633				KRE				125	E	17	40	N	07	295	B		
KOR	CRMS	3930.000	13	12	0042	0042	21.4		KRE	BC	9K88E	A3E									11	
INS	MSCK-TANGERANG	3930.000	17	12	0500	0530		VOICE OF THE PEOPLE	KOR	BC	9K00	A3E									-	
RUS	SAMARA	3930.000	22	12	1000	1200	19.0		KRE	BC	5K00	A3E	126	E	06	40	N	04	63			
HNG	TARNOK	3939.969	26	12	1510	2400	42.2	PIRATE		BC	8K87	A3E									11	RUSSIAN
G	BALDOCK	3939.970	05	12	0354			PIRATE?	LVA	BC		A3E							71	A		
HNG	TARNOK	3939.970	26	12	0000	0730	40.7	PIRATE		BC	10K0E	A3E									11	RUSSIAN
KOR	CRMS	3945.000	12	10	0403	0403	7.3		KRE	BC		A3E									11	
KOR	CRMS	3945.000	11	11	0510	0510	16.6		KRE	BC		A3E									11	
KOR	CRMS	3945.000	14	12	0410	0410	22.8		KRE	BC		A3E									11	
J	TOKYO	3945.000	21	12	0438				KRE	BC		A3E	125	E	20	39	N	45	291	B		
RUS	SAMARA	3945.000	22	12	1000	1200	18.0		KRE	BC	5K00	A3E	125	E	49	40	N	14	63			
J	TOKYO	3945.010	04	11	0441			ECHO OF UNIFICATION		BC		A3E	125	E	01	39	N	01	291	A		
RUS	IRKUTSK	3950.000	22	12	0130	0200	53.0		CHN	BC		A3E	087	E	30	43	N	32	238	A		
RUS	NOVOSIBIRSK	3950.000	22	12	0130	0200	55.0		CHN	BC		A3E	087	E	30	43	N	32	164	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	3950.000	22	12	1322	1325	10.7		CHN	BC	9K90	A3E	086	E	54	44	N	09				
G	BALDOCK	3955.000	05	12	0357			RADIO CHANNEL 292	D	BC		A3E							109	B		ROHRBACH WAAL TX
RUS	BELGOROD	3955.000	22	12	0600	0605	15.6	BBC WorldService	G	BC	9K70	X7E	002	W	49	52	N	16				
RUS	SMOLENSK	3955.000	22	12	0730	0830	27.0		D	BC	2K97	A3E	011	E	53	48	N	28	186	B		
RUS	SAMARA	3955.000	22	12	1000	1200	17.0		KRE	BC	5K00	A3E	125	E	49	40	N	14	63			
J	TOKYO	3959.000	12	10	1108				KRE	BC		A3E	126	E	51	39	N	48	295	B		
INS	MSCK-TANGERANG	3959.000	17	12	0400	0430		KCBS PYONGYANG	KRE	BC	9K00	A3E										-
J	TOKYO	3959.010	19	10	0818			KOREAN CENTRAL B.S.		BC		A3E										
J	TOKYO	3959.010	25	11	1041			V.O. KOREA		BC		A3E	126	E	36	40	N	54	300	B		
J	TOKYO	3959.010	02	12	0821			KOREAN CENTRAL B.S.		BC		A3E										
I	ROMA	3965.000	21	10	2300	2302	39.0	RFI	F	BC	10K0											FRENCH
I	ROMA	3965.000	19	12	1609	1610	30.0	RFI	F	BC	10K0											FRENCH
G	BALDOCK	3965.000	31	12	2325			RADIO FRANCE INTERNATIONAL	F	BC		D7W							166	A		ISSODUN TX
KOR	CRMS	3970.000	16	11	0421	0421	-0.1		KRE	BC		A3E									11	
J	TOKYO	3973.750	21	12	0442				KRE				129	E	50	41	N	50	310	A		
INS	MSCK-TANGERANG	3978.000	17	12	0300	0330		KCBS PYONGYANG	KRE	BC	9K00	A3E										-
J	TOKYO	3979.830	09	11	0141				KRE				129	E	18	42	N	07	310	B		
J	TOKYO	3979.850	05	10	0010				KRE			F1D	129	E	42	41	N	19	308	A		
INS	MSCK-TANGERANG	3980.000	17	12	0230	0300		North Korean Jamming	KRE	BC	9K00	A3E										-
RUS	SAMARA	3980.000	22	12	1000	1200	16.0		G	BC	5K00	A3E	052	E	16	02	N	49	275			
RUS	SAMARA	3980.000	22	12	1000	1200	15.0		KOR	BC	5K00	A3E	126	E	46	37	N	12	64			
J	TOKYO	3980.010	04	11	0449				KOR	BC		A3E	127	E	22	37	N	14	283	A		
J	TOKYO	3980.010	02	12	0823				KOR	BC		A3E	127	E	01	37	N	27	283	B		
J	TOKYO	3980.010	09	12	0638				KOR	BC		A3E	126	E	51	37	N	12	281	B		
J	TOKYO	3981.950	25	10	0620				CHN			F1B	125	E	20	43	N	48	310	B		
I	ROMA	3985.000	19	12	1615	1617	36.0	RADIO TIRANA		BC	10K0E	A3E										DEU
KOR	CRMS	3985.000	30	12	0004	0004	25.6		KRE	BC		A3E									6	
G	BALDOCK	3985.000	31	12	2330			VOICE OF HOPE(?)	KOR	BC		A3E							40	C		HWASEONG TX
J	TOKYO	3985.010	12	10	1111				KOR	BC		A3E	126	E	51	37	N	10	282	B		
J	TOKYO	3985.010	25	10	0625			ECHO OF HOPE		BC		A3E	127	E	00	37	N	24	283	B	11	
I	ROMA	3987.000	19	12	1609	1610	19.0				100HE	A1A										
KOR	CRMS	3990.000	22	10	2110	2110	30.0		KRE	BC		A3E									11	
INS	MSCK-TANGERANG	3990.000	17	12	0200	0230		PBS Xinjiang	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	3990.000	17	12	2325	2335	42.6	PBS XINJIANG	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	3990.000	22	12	0130	0200	49.0		CHN	BC		A3E	087	E	29	43	N	32	164	A		
RUS	IRKUTSK	3990.000	22	12	0130	0200	47.0		CHN	BC		A3E	087	E	29	43	N	32	238	A		
RUS	BELGOROD	3990.000	22	12	1325	1329	10.8		CHN	BC	8K00	A3E	086	E	54	44	N	09				
G	BALDOCK	3990.000	31	12	2334			PBS XINJIANG	CHN	BC		A3E							60	B		URUMQI TX
J	TOKYO	3990.010	19	10	0820				KOR	BC		A3E	127	E	00	37	N	26	284	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	3990.010	16	11	0021			ECHO OF HOPE		BC		A3E	126	E	58	37	N	26	283	A		
J	TOKYO	3990.010	27	12	0154				KOR	BC		A3E	126	E	58	37	N	00	281	B		
G	BALDOCK	3995.000	31	12	2337			HCJB DEUTSCH RADIO ZP30	HOL	BC		A3E							75	A		WEENERMOOR TX
HNG	TARNOK	4001.748	28	12	0700	0930	24.0				2K56	G1D										
HNG	TARNOK	4001.783	28	12	1420	2400	17.5				2K49	G7D										
G	BALDOCK	4001.800	31	12	2339			?	D	FC		G1D							65	B		2400BD STANAG 4285
G	BALDOCK	4007.005	05	12	0405			?	USA	FX		F1B							287	B		100BD SECURE
HNG	TARNOK	4007.008	28	12	0700	0800	8.9				970H	F1B										850HZ,100BD
INS	MSCK-TANGERANG	4010.000	17	12	0100	0130		KYRGYZ RADIO (1BIRINCHI RADIO)	KGZ	BC	9K00	A3E										-
RUS	SAMARA	4010.000	22	12	1000	1200	16.0		KGZ	BC	5K00	A3E	074	E	59	42	N	52	98			
RUS	SAMARA	4010.000	22	12	1000	1200	17.0		KRE	BC	5K00	A3E	126	E	06	40	N	04	63			
RUS	BELGOROD	4010.200	22	12	1335	1340	12.1		KGZ	BC	7K60	A3E	074	E	59	42	N	53			11	
RUS	BELGOROD	4020.000	22	12	1413	1418	12.4		UKR		900H	F1B	034	E	59	49	N	52				
HNG	TARNOK	4020.016	28	12	1430	2400	31.6				1K08	F1B										800HZ,75BD,ASCII
G	BALDOCK	4022.000	22	12	2348			?		MS		J7D							225	B		MID ATLANTIC
G	BALDOCK	4045.000	05	12	0415			?	RUS	FC		J7D							95	A		SEVASTOPOL?
INS	MSPA-SAMARINDA	4045.000	17	12	2335	2340	43.8		INS	AT	2K40E	J3E										AMATIR
J	TOKYO	4055.000	02	12	0826				CHN				120	E	36	28	N	13	250	A		
G	BALDOCK	4055.000	05	12	0420			RIC87?	RUS	FC		A1A							95	B		23WPM, SEVASTOPOL?
HNG	TARNOK	4055.000	28	12	1445	1750	24.6	RCV	UKR	FX	100HE	A1A										CW
HNG	TARNOK	4070.030	28	12	1720	2400	33.4				3K00E	G7D										
HNG	TARNOK	4082.606	28	12	0000	0850	42.6				3K00E	G1D										STANAG4285
HNG	TARNOK	4082.946	28	12	1455	2400	30.7				2K90	G1D										STANAG4285
RUS	S. PETERSBURG	4083.200	21	12	0630	0640	17.0		S	FX		G1D	014	E	43	57	N	15	257	B		
J	TOKYO	4088.490	02	12	0827				CHN			A1A	123	E	25	41	N	56	300	B		
HNG	TARNOK	4108.883	28	12	0000	0650	24.0				100HE	A1A										CW
HNG	TARNOK	4108.999	28	12	1500	2400	21.4				300H	F1B										250HZ,50BD
INS	MSCK-TANGERANG	4111.170	16	12	0600	0630		Unknown		FX	3K00E	J3E										-
HNG	TARNOK	4131.690	28	12	1510	1540	34.3				2K78	G7D										
G	BALDOCK	4154.000	21	12	0325			?		FX		G1D							215	C		
RUS	S. PETERSBURG	4161.500	21	12	0645	0655	33.0		S	FX		G1D	015	E	16	67	N	05	323	B		
RUS	BELGOROD	4161.500	21	12	0650	0656	27.9		NOR		2K50		016	E	42	68	N	29				
HNG	TARNOK	4165.729	28	12	0000	0710	40.9				3K00E	G1D										STANAG4285
J	TOKYO	4170.000	19	10	0827			XSG		FC		F3C										
J	TOKYO	4170.000	09	12	0649			XSG		FC		F3C	121	E	15	31	N	22	260	B		
J	TOKYO	4170.000	21	12	0449			XSG		FC		F3C	121	E	37	30	N	57	259	A		
J	TOKYO	4170.000	27	12	0159				CHN			F3C	121	E	34	31	N	16	260	B		
G	BALDOCK	4179.000	21	12	0335			?	RUS	FX		XXX							62	A		
J	TOKYO	4181.490	19	10	0829				CHN			A1A	123	E	39	41	N	53	300	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	4202.500	12	10	1128				RUS				136	E	00	45	N	02	342	A		
J	TOKYO	4203.000	09	12	0653				RUS				132	E	56	43	N	02	323	B		
G	BALDOCK	4205.000	21	12	0345			?	HOL	FC		G1D							93	A		2400 BD STANAG 4285
J	TOKYO	4209.500	25	11	1050				CHN			F1B	121	E	29	31	N	22	260	B		
J	TOKYO	4210.000	04	11	0457							F1B										
J	TOKYO	4215.000	12	10	1130			XSG		FC		F1B										
J	TOKYO	4215.000	25	11	1052			XSG		FC		F1B										
G	BALDOCK	4216.000	21	12	0357			TAH (ISTANBUL)	TUR	FX		F1B							108	B		170HZ SHIFT
J	TOKYO	4217.750	21	12	0500				KOR			F1B	126	E	41	37	N	34	284	B		
J	TOKYO	4221.510	25	11	1058				CHN			A1A	118	E	40	32	N	06	265	B		
G	BALDOCK	4233.800	21	12	0454			FUF	F	FX		G1D							254	B		2400 BD STANAG 4285
J	TOKYO	4235.000	02	12	0834				CHN				120	E	22	28	N	04	252	A		
G	BALDOCK	4260.200	22	12	0307			?		BC		G1D							241	A		
J	TOKYO	4272.700	02	12	0836														151	B		
G	BALDOCK	4279.000	23	12	0130			?	E	FX		G1D							192	A		
J	TOKYO	4285.850	09	12	0706														45	C		
J	TOKYO	4289.000	02	12	0837							F1B							167	B		
INS	MSCK-TANGERANG	4290.300	15	12	0600	0630		Unknown		FX	3K00E	H3E										-
G	BALDOCK	4290.400	23	12	0135			?	F	FX		G1D							170	A		
G	BALDOCK	4296.800	23	12	0200			?	F	FC		G1D							216	B		
G	BALDOCK	4304.200	23	12	0206			?	POR	FC		G1D							205	A		2400 BD STANAG 4285
G	BALDOCK	4307.800	23	12	0210			?	POR	FX		G1D							207	A		2400BD STANAG 4285
G	BALDOCK	4316.800	23	12	0220			?		FX		G1D							114	B		
G	BALDOCK	4326.800	23	12	0223			?	F	FC		G1D							169	A		
I	ROMA	4331.000	12	12	2255	2300	18.0	4XZ==	ISR	FX	300HE	A1A										
G	BALDOCK	4339.800	23	12	0224			?	F	FC		G1D							170	A		
J	TOKYO	4346.000	02	12	0842							F3C							53	A		
J	TOKYO	4346.000	09	12	0713							F3C							52	C		
J	TOKYO	4347.000	19	10	0839				CHN				120	E	41	28	N	17	251	A		
J	TOKYO	4374.930	04	11	0507			DNW				A1A										
J	TOKYO	4392.980	09	12	0717			6TX				A1A							291	D		
I	ROMA	4405.000	04	11	1033	1034	1.0	TAH	TUR	FX	2K70E	J3E							87	B		METEO
J	TOKYO	4412.990	02	12	0848				CHN			A1A	117	E	33	29	N	28	258	B		
J	TOKYO	4426.000	25	11	1111				CHN			J3E	120	E	35	33	N	51	270	B		
KOR	CRMS	4450.000	01	10	2119	2119	76.2		KRE	BC		A3E									11	
J	TOKYO	4450.000	05	10	0020			V.O. PEOPLE		BC		A3E	127	E	47	38	N	04	287	A	11	
KOR	CRMS	4450.000	01	11	0143	0143	32.3		KRE	BC		A3E									11	
J	TOKYO	4450.000	09	11	0145				KOR	BC		A3E	127	E	01	37	N	17	282	B		
J	TOKYO	4450.000	25	11	1113				KOR	BC		A3E	126	E	58	37	N	02	281	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	4450.000	02	12	0850				KOR	BC		A3E	127	E	01	37	N	29	283	B		
J	TOKYO	4450.000	09	12	0724				KOR	BC		A3E	126	E	51	37	N	12	281	B		
KOR	CRMS	4450.000	20	12	0007	0007	25.4		KRE	BC		A3E									11	
J	TOKYO	4450.000	21	12	0504				KRE				124	E	55	39	N	54	294	A		
J	TOKYO	4450.000	27	12	0205				KOR	BC		A3E	127	E	18	37	N	18	283	B		
G	BALDOCK	4461.000	25	12	2130			CODAR	E	OD		F0N							215	A		OCEANIC RADAR
G	BALDOCK	4463.000	14	12	0554			?	CTI	NL		F0N							193	A		
RUS	NOVOSIBIRSK	4500.000	17	12	0130	0200	50.0		CHN	BC	9K50	A3E	086	E	28	43	N	55	166	A	11	
RUS	IRKUTSK	4500.000	17	12	0215	0245	13.0		CHN	BC	9K30	A3E	086	E	51	43	N	53	241	A	11	
RUS	MOROZOVSK	4500.000	17	12	1515	1530	13.0		CHN	FX	3K00	A3E	087	E	15	45	N	08	78	C		
J	TOKYO	4503.000	25	11	1005				CHN				117	E	54	28	N	44	256	B		
J	TOKYO	4542.990	09	12	0601							A1A										
G	BALDOCK	4549.999	25	12	2137			?	OMA	FX		F1B							109	B		
RUS	MOROZOVSK	4565.000	17	12	1530	1545	9.0		DNK	FX	3K00	G7B	001	E	25	54	N	59	300	C		
J	TOKYO	4577.700	16	11	0001				KRE			A1A	126	E	11	39	N	33	294	B		
G	BALDOCK	4578.000	25	12	2138			?	I	FX		J1D							135	B		
G	BALDOCK	4583.000	25	12	2141			DDK2 (HAMBURG)	D	FX		F1B							71	A		50 BD ITA2 METEO
J	TOKYO	4590.300	02	12	0802				F			J2B	165	E	11	21	N	07	153	A		NCL
G	BALDOCK	4591.800	25	12	2142			?	POR	FC		G1D							210	A		2400 BD STANAG 4285
G	BALDOCK	4602.000	25	12	2143			SECURE	RUS	FX		F1B							65			
J	TOKYO	4605.000	19	10	0803				CHN			A1A	120	E	31	31	N	05	260	B		
J	TOKYO	4606.390	02	12	0808				CHN			J2D	121	E	24	28	N	18	251	B		
J	TOKYO	4612.240	09	12	0603							A1A										
J	TOKYO	4629.000	09	12	0604				KOR			J3E	127	E	13	36	N	01	276	B		
J	TOKYO	4635.000	25	11	1012				KRE			A3E	129	E	32	41	N	29	307	B		
J	TOKYO	4681.750	25	11	1022				CHN				109	E	55	34	N	58	277	B		
J	TOKYO	4694.990	19	10	0805				CHN			A1A	118	E	01	40	N	50	293	B		
J	TOKYO	4718.000	25	11	1025			TP4C				A1A	123	E	22	42	N	13	301	B		
J	TOKYO	4720.000	19	10	0807				CHN			A1A	121	E	10	31	N	28	261	B		
KOR	CRMS	4750.000	11	10	0903	0903	-1.7		CHN	BC		A3E									11	
J	TOKYO	4750.000	12	10	1004			CHINA R.I.		BC		A3E	123	E	46	46	N	56	317	B	11	
J	TOKYO	4750.000	16	11	0008				CHN	BC		A3E	119	E	29	48	N	31	316	B		
J	TOKYO	4750.000	25	11	1030			CHINA N.R.		BC		A3E	119	E	29	49	N	09	317	B	11	
J	TOKYO	4750.000	02	12	0814			CHINA N.R.		BC		A3E	119	E	49	49	N	11	318	B	11	
INS	MSCK-TANGERANG	4750.000	13	12	0400	0430		CNR 1	CHN	BC	9K00	A3E										-
KOR	CRMS	4750.000	16	12	0004	0004	3.4		CHN	BC		A3E									6	
RUS	SLAVYANKA	4750.000	16	12	0025	0055	34.0		CHN	BC	3K05	A3E	119	E	59	49	N	53	316	A		
RUS	NYAGAN	4750.000	16	12	1132	1141	27.0		CHN	BC	2K84	A3E	123	E	20	47	N	22	87	A		
J	TOKYO	4759.980	25	10	0814			SOUND OF HOPE		BC		A3E	126	E	29	33	N	15	262	B	11	KOR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSCK-TANGERANG	4760.000	13	12	0330	0400		AIR Leh	IND	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	4765.000	16	12	1230	1300	17.0		TJK	BC		A3E	068	E	50	38	N	50	217	A		
J	TOKYO	4767.750	25	11	1039				RUS				131	E	52	43	N	34	322	B		
G	BALDOCK	4772.000	25	12	2151			?		FX		J7A							71	B		PULSING MODEM
G	BALDOCK	4790.000	25	12	2153			WBCQ THE OVERCOMER MINISTRY	USA	BC		A3E							287	B		MONTICELLO TX SITE
J	TOKYO	4797.010	19	10	0812				KRE			A1A	126	E	31	39	N	23	293	B		
J	TOKYO	4798.000	19	10	0811				RUS			F1B	132	E	24	43	N	20	324	B		
J	TOKYO	4798.000	25	10	0612				RUS			F1B	132	E	00	43	N	18	322	B		
J	TOKYO	4798.000	09	11	0135				RUS			F1B	132	E	54	42	N	58	324	B		
J	TOKYO	4798.000	02	12	0816				RUS			F1B	132	E	36	43	N	05	323	B		
J	TOKYO	4798.000	21	12	0423				RUS			F1B	132	E	49	42	N	55	323	B		
RUS	S. PETERSBURG	4799.800	16	12	1130	1140	27.0		CHN	BC		A3E	095	E	27	38	N	14	88	B		
J	TOKYO	4800.000	12	10	1009			CHINA R.I.		BC		A3E	101	E	42	36	N	39	283	A	11	
KOR	CRMS	4800.000	12	10	1201	1201	10.6		CHN	BC		A3E									11	
J	TOKYO	4800.000	16	11	0012				CHN	BC		A3E	094	E	29	36	N	15	285	B		
J	TOKYO	4800.000	25	11	1043			CHINA N.R.		BC		A3E									11	
KOR	CRMS	4800.000	12	12	2119	2119	26.9		CHN	BC		A3E									3	
INS	MSCK-TANGERANG	4800.000	13	12	0130	0200		CNR 1	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	4800.000	16	12	1000	1030	24.0		CHN	BC		A3E	092	E	47	35	N	26	157	A		
RUS	IRKUTSK	4800.000	16	12	1000	1030	10.0		CHN	BC		A3E	092	E	47	35	N	26	211	A		
RUS	ARKHANGELSK	4800.000	16	12	1145	1200	38.0	Voice of China	CHN	BC	2K98	A3E							104	B		
RUS	NYAGAN	4800.000	16	12	1146	1156	55.0		CHN	BC	2K98	A3E	098	E	01	35	N	56	127	A		
RUS	SLAVYANKA	4800.000	16	12	1255	1320	46.0		CHN	BC	2K00	A3E	097	E	08	34	N	50	265	A		
G	BALDOCK	4800.000	25	12	2154			CNR 1 VOICE OF CHINA	CHN	BC		A3E							64	B		
RUS	S. PETERSBURG	4800.100	16	12	1240	1250	40.0		CHN	BC		A3E	101	E	07	29	N	11	90	B		
RUS	BELGOROD	4811.890	16	12	0547	0549	43.7		ATG		2K80		061	W	49	17	N	07				
KOR	CRMS	4820.000	12	10	2119	2119	3.6		CHN	BC		A3E									11	
J	TOKYO	4820.000	25	11	1045			CHINA N.R.		BC		A3E									11	
KOR	CRMS	4820.000	12	12	2119	2119	3.6		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	4820.000	13	12	0030	0100		PBS XIZANG	CHN	BC	9K00	A3E										-
RUS	NYAGAN	4820.000	16	12	1150	1152	43.0		IND	BC	2K55	A3E	088	E	40	26	N	46	146	A		
RUS	IRKUTSK	4820.000	16	12	1200	1230	3.0		CHN	BC	15K4	A3E	090	E	31	29	N	47	210	A		
RUS	NOVOSIBIRSK	4820.000	16	12	1200	1230	21.0		CHN	BC	15K5	A3E	090	E	31	29	N	47	165	A		
RUS	ARKHANGELSK	4820.000	16	12	1200	1215	30.0		CHN	BC	1K59	A3E							118	B		
RUS	S. PETERSBURG	4820.000	16	12	1245	1255	23.0		CHN	BC		A3E	088	E	49	30	N	38	100	B		
G	BALDOCK	4820.000	25	12	2156			PBS XIZANG	CHN	BC		A3E							67	A		Lhasa-Baiding Tx site
G	BALDOCK	4840.000	31	12	1021			WWCR NASHVILLE	USA	BC		A3E							287	A		NASHVILLE TX SITE
INS	MSCK-TANGERANG	4850.000	12	12	2300	2330		PBS Xinjiang	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	4850.000	15	12	0145	0215	31.0		CHN	BC	9K20	A3E	087	E	19	44	N	03	164	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NYAGAN	4850.000	15	12	1512	1520	48.0		CHN	BC	2K90	A3E	089	E	05	45	N	25	130	A		
RUS	NYAGAN	4850.000	16	12	1200	1203	54.0		CHN	BC	2K96	A3E	089	E	12	43	N	59	236	C		
RUS	S. PETERSBURG	4859.700	15	12	0610	0620	26.0		TUR	FX		J7B	040	E	01	30	N	05	180	B		
J	TOKYO	4865.990	19	10	0816				RUS			F1B	131	E	47	43	N	28	322	B		
J	TOKYO	4866.000	12	10	1013				RUS			F1B	132	E	46	42	N	52	323	B		
J	TOKYO	4866.000	04	11	0428				RUS			F1B	133	E	04	42	N	59	325	A		
J	TOKYO	4866.000	16	11	0014				RUS			F1B	132	E	48	42	N	56	323	A		
J	TOKYO	4866.000	02	12	0818				RUS			F1B	132	E	04	43	N	40	324	B		
J	TOKYO	4866.000	21	12	0427				RUS			F1B	131	E	52	43	N	33	323	B		
J	TOKYO	4866.010	04	10	2351				RUS			F1B	132	E	40	43	N	02	323	B		
J	TOKYO	4880.000	25	11	1050				KRE				125	E	40	39	N	33	293	B		
J	TOKYO	4885.000	04	10	2354				KOR	BC		A3E	126	E	53	37	N	27	288	A		
J	TOKYO	4885.000	16	11	0016				KOR	BC		A3E	132	E	48	37	N	56	287	B		
J	TOKYO	4885.000	02	12	0821				KOR	BC		A3E	127	E	15	37	N	04	281	B		
J	TOKYO	4885.000	02	12	0821				KRE				125	E	52	39	N	48	294	B		
J	TOKYO	4885.000	09	12	0609				KRE				126	E	26	40	N	27	298	B		
INS	MSPA-SAMARINDA	4885.000	10	12	2302	2306	42.1	R.CLUBE DO PARA	B	BC	9K00E	A3E										
KOR	CRMS	4885.000	21	12	0429	0429	26.4		KRE	BC		A3E									6	
J	TOKYO	4885.000	21	12	0435				KOR	BC		A3E	127	E	42	37	N	57	292	B		
J	TOKYO	4885.000	27	12	0140				KOR	BC		A3E	127	E	30	37	N	20	283	B		
J	TOKYO	4890.000	12	10	1015			V.O. HOPE		BC		A3E	128	E	40	35	N	54	275	B	11	
KOR	CRMS	4900.000	13	10	1511	1511	18.9		CHN	BC		A3E									11	
J	TOKYO	4900.000	25	11	1051			CHINA N.R.		BC		A3E							247	C	11	
INS	MSPA-SAMARINDA	4900.000	10	12	2306	2310	41.4	VOISE OF STRAIT	CAN	BC	9K00E	A3E										
KOR	CRMS	4905.000	12	10	2120	2120	1.2		CHN	BC		A3E									11	
J	TOKYO	4905.000	19	10	0819							F1B							45	C		
J	TOKYO	4905.000	25	10	0622							F1B							58	C		
J	TOKYO	4905.000	02	12	0827							F1B							50	C		
INS	MSCK-TANGERANG	4905.000	10	12	0600	0630		PBS XIZANG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	4905.000	10	12	2310	2314	41.5	PBS XIZANG	CHN	BC	9K00E	A3E										
KOR	CRMS	4905.000	12	12	2120	2120	1.2		CHN	BC		A3E									11	
RUS	NYAGAN	4905.000	15	12	1154	1156	35.0		IND	BC	2K98	A3E	088	E	14	22	N	48	138	C		
G	BALDOCK	4905.000	25	12	2158			PBS XIZANG-TB	CHN	BC		A3E							70	A		BROADCAST FROM LASA TX
KOR	CRMS	4920.000	12	10	2120	2120	2.4		CHN	BC		A3E									11	
J	TOKYO	4920.000	19	10	0824				CHN			A1A	115	E	49	38	N	18	285	B		
INS	MSCK-TANGERANG	4920.000	10	12	0530	0600		PBS XIZANG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	4920.000	10	12	2314	2320	49.8	PBS XIZANG	CHN	BC	9K00E	A3E										
KOR	CRMS	4920.000	12	12	2120	2120	2.4		CHN	BC		A3E									11	
RUS	IRKUTSK	4920.000	15	12	1125	1200	9.0		CHN	BC		A3E	090	E	01	29	N	47	211	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NYAGAN	4920.000	15	12	1152	1157	41.0		IND	BC	2K60	A3E	089	E	39	22	N	02	140	C		
G	BALDOCK	4920.000	25	12	2159			PBS XIZANG	CHN	BC		A3E							68	B		Broadcast from Lhasa Tr
INS	MSPA-SAMARINDA	4925.000	10	12	2320	2325	43.7	R.EDUCACAU RUAL	B	BC	9K00E	A3E										
J	TOKYO	4929.000	25	11	1057					BC		A3E										
KOR	CRMS	4940.000	12	10	1201	1201	6.9		CHN	BC		A3E									11	
J	TOKYO	4940.000	25	11	1059					BC		A3E										
INS	MSPA-SAMARINDA	4940.000	10	12	2325	2330	43.3	R. SAN. ANTONIO	PRU	BC	9K00E	A3E										
RUS	NYAGAN	4940.000	15	12	1514	1518	23.0		CHN	BC	2K84	A3E	118	E	07	23	N	19	110	B		
J	TOKYO	4947.000	25	10	0624							A1A										
INS	MSPA-SAMARINDA	4950.000	10	12	2330	2335	42.7	R.NASIONAL ANGOLA 1	AGL	BC	9K00E	A3E										
RUS	MOROZOVSK	4950.000	15	12	1115	1130	13.0		IND	BC	3K00	A3E							117	C		
RUS	NYAGAN	4950.000	15	12	1158	1159	33.0		IND	BC	2K04	A3E	068	E	31	52	N	50	168	A		
INS	MSCK-TANGERANG	4980.000	10	12	0230	0300		PBS Xinjiang	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	4980.000	10	12	2337	2340	43.5	PBS XIZANG	CHN	BC	9K00E	A3E										
RUS	BELGOROD	4980.000	15	12	0553	0556	44.1		USA	BC	9K60	A3E	080	W	56	27	N	27				
RUS	MOROZOVSK	4980.000	15	12	1130	1145	10.0		CHN	BC	3K00	A3E							89	C		
RUS	NYAGAN	4980.000	15	12	1200	1202	45.0		CHN	BC	2K84	A3E	087	E	16	44	N	06	131	B		
INS	MSPA-SAMARINDA	4990.000	10	12	2340	2344	42.2	PBS HUNAN	CHN	BC	9K00E	A3E										
J	TOKYO	4990.570	12	10	1026				CHN			A1A	123	E	39	42	N	00	301	B		
J	TOKYO	4990.570	19	10	0828				CHN			A1A	123	E	32	42	N	15	302	B		
J	TOKYO	5000.000	04	10	2356			BPM		SS		AXW										
J	TOKYO	5000.000	12	10	1032			BPM		SS		AXW	108	E	42	34	N	18	276	B		
J	TOKYO	5000.000	19	10	0829			WWVH		SS		AXW							85	C		
J	TOKYO	5000.000	19	10	0829			HLA		SS		AXW	127	E	23	36	N	25	278	B		
J	TOKYO	5000.000	19	10	0829			WWV		SS		AXW								A		
J	TOKYO	5000.000	19	10	0829			BPM		SS		AXW										
J	TOKYO	5000.000	25	10	0626			WWV		SS		AXW	127	E	03	36	N	19	277	B		
J	TOKYO	5000.000	25	10	0626			HLA		SS		AXW	127	E	03	36	N	19	277	B		
J	TOKYO	5000.000	25	10	0626			WWVH		SS		AXW										
J	TOKYO	5000.000	04	11	0459			BPM		SS		AXW										
J	TOKYO	5000.000	09	11	0140				KOR	SS		AXW	127	E	54	35	N	53	275	B		
J	TOKYO	5000.000	16	11	0022			HLA		SS		AXW	127	E	13	36	N	17	277	B		
J	TOKYO	5000.000	16	11	0022			BPM		SS		AXW										
J	TOKYO	5000.000	25	11	1102			BPM		SS		AXW										
J	TOKYO	5000.000	25	11	1102				KOR	SS			126	E	46	36	N	07	277	B		
J	TOKYO	5000.000	02	12	0831			WWVH		SS		AXW							87	C		
J	TOKYO	5000.000	02	12	0831			BPM		SS		AXW	109	E	09	43	N	06	275	B		
J	TOKYO	5000.000	02	12	0831			HLA		SS		AXW	127	E	03	36	N	30	278	B		
J	TOKYO	5000.000	09	12	0612			WWVH		SS		AXW							85	C		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	5000.000	09	12	0612			WWV		SS		AXW							45	C		
J	TOKYO	5000.000	09	12	0612			BPM		SS		AXW										
J	TOKYO	5000.000	09	12	0612			HLA		SS		AXW	127	E	40	36	N	17	277	B		
INS	MSPA-SAMARINDA	5000.000	10	12	2344	2346	47.9	WWVA	USA	SS	5K00E	A3E										STANDARD FREQUENCY AND TIME SIGNAL
J	TOKYO	5000.000	21	12	0441				KOR	SS		AXW	127	E	59	36	N	32	279	B		
J	TOKYO	5000.000	27	12	0146				KOR	SS		AXW	128	E	09	37	N	06	282	B		
G	BALDOCK	5006.000	03	12	0330							F1B							260	B		
RUS	S. PETERSBURG	5006.000	15	12	0630	0640	24.0		LTU	FX		F1B	022	E	06	55	N	55	228	B		
J	TOKYO	5014.000	02	12	0837				RUS			F1B	113	E	51	52	N	43	321	B		
J	TOKYO	5015.000	25	10	0631			81C				A1A	125	E	40	39	N	17	292	B		
G	BALDOCK	5015.000	31	12	1012			DUTCH PIRATE	HOL	BC		A3E							90	A		MUSIC PLAYBACK
J	TOKYO	5018.220	25	10	0635							A1A										
G	BALDOCK	5022.000	03	12	0332			?	RUS	FX		F1B							66	A		50 BD
G	BALDOCK	5025.000	03	12	0330			RADIO REBELDE	CUB	BC		A3E							277	B		BAUTA TX
J	TOKYO	5025.000	09	12	0618					BC		A3E							40	C		
INS	MSPA-SAMARINDA	5025.000	10	12	2346	2348	40.7	R. REBELDE	CUB	BC	9K00E	A3E										
RUS	BELGOROD	5025.000	15	12	0610	0614	50.5		CUB	BC	9K10	A3E	082	W	33	22	N	56				
J	TOKYO	5039.930	09	12	0621				RUS			J2D	132	E	51	42	N	53	323	A		
J	TOKYO	5040.000	19	10	0837					BC		A3E							150	C		
G	BALDOCK	5040.000	03	12	0334			RADIO HABANA CUBA	CUB	BC		A3E							276	B		BAUTA TX
INS	MSCK-TANGERANG	5040.000	09	12	2330	2400		AIR Jeypore	IND	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	5040.000	10	12	2350	2354	42.2	R. HABANA CUBA	CUB	BC	9K00E	A3E										
KOR	CRMS	5050.000	16	10	1522	1522	3.3		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	5050.000	09	12	2305	2308	40.5	VO BEIBU BAY RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5050.000	10	12	2354	2357	43.7	VO BEIBU BAY RADIO	CHN	BC	9K00E	A3E										
J	TOKYO	5052.500	25	10	0638							A1A										
J	TOKYO	5052.500	04	11	0530				RUS			A1A	132	E	25	43	N	31	324	B		
J	TOKYO	5055.000	19	10	0840				AUS	BC		A3E	148	E	07	21	S	37	171	A		
J	TOKYO	5055.000	16	11	0027							A1A										
INS	MSPA-SAMARINDA	5055.000	09	12	2308	2313	41.2	RADIO 4KZ	AUS	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5060.000	09	12	2313	2317	40.4	PBS XIZANG	CHN	BC	9K00E	A3E										
G	BALDOCK	5060.000	12	12	1606			PBS XINJIANG	CHN	BC		A3E	086	E	53	44	N	09	60	B		URUMQI TX
RUS	NOVOSIBIRSK	5060.000	14	12	0130	0200	52.0		CHN	BC		A3E	085	E	49	44	N	03	170	A		
RUS	IRKUTSK	5060.000	14	12	0130	0200	50.0		CHN	BC		A3E	085	E	49	44	N	03	243	A		
RUS	BELGOROD	5060.000	14	12	1230	1237	53.1		CHN	BC	9K60	A3E	086	E	54	44	N	09				
J	TOKYO	5065.400	19	10	0843				CHN			J2D	118	E	40	25	N	42	240	B		
INS	MSPA-SAMARINDA	5068.000	09	12	2317	2321	44.8				1K00E	A1A										MORSE
J	TOKYO	5078.000	16	11	0031				RUS			J2D	132	E	02	43	N	21	323	A		
INS	MSCK-TANGERANG	5085.000	09	12	0600	0630		WTWW	USA	BC	9K00	A3E										-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	5094.390	09	12	0626				CHN			J2D	119	E	42	35	N	53	277	B		
J	TOKYO	5099.000	09	12	0628							A1A										
J	TOKYO	5100.000	12	10	1039							F3C										
J	TOKYO	5100.000	19	10	0847			VMC				F3C	145	E	19	26	S	56	175	B		
J	TOKYO	5100.000	25	11	1116							F3C										
RUS	BELGOROD	5100.000	14	12	0707	0709	44.4		UKR		580H	F1B	025	E	02	49	N	59				
J	TOKYO	5106.000	16	11	0035				CHN			A1A	116	E	35	41	N	32	295	B		
J	TOKYO	5116.200	09	12	0630				KRE			A1A	125	E	47	38	N	47	290	B		
J	TOKYO	5135.000	25	10	0640				CHN			A1A	123	E	27	42	N	42	303	B		
J	TOKYO	5138.570	02	12	0840				CHN			A1A	123	E	27	42	N	00	301	B		
I	ROMA	5140.000	21	10	1333	1335	16.0	CHARLESTON RADIO INT		BC	10K0E	A3E							322	A		3
INS	MSPA-SAMARINDA	5154.000	09	12	2321	2325	43.6		RUS		1K00E	A1A										BEACON (SLB) - MOSCOW RUSSIA
J	TOKYO	5154.400	25	11	1112			M				A1A	139	E	53	48	N	27	359	B		
G	BALDOCK	5156.000	12	12	1608			?	TUR	FX		G1D							104	B		2400 BD STANAG 4285
RUS	BELGOROD	5156.700	14	12	0535	0538	39.1		TUR		3K10		030	E	41	36	N	56				
G	BALDOCK	5156.800	03	12	0335			?	TUR	FX		G1D							107	A		
J	TOKYO	5170.000	25	11	1117							J3E										
RUS	BELGOROD	5175.800	14	12	0538	0546	45.8		NOR		2K80		009	E	34	59	N	05				
J	TOKYO	5176.000	16	11	0038				KOR			F1B	126	E	36	34	N	47	270	A		
RUS	S. PETERSBURG	5176.000	14	12	0735	0745	28.0		G	FX		G1D	003	W	47	56	N	00	270	B		
G	BALDOCK	5195.000	12	12	1617			DRA5 (KIEL)	D	FX		A1A							62	A		MORSE
J	TOKYO	5201.500	16	11	0040			GW7				A1A										
J	TOKYO	5211.000	12	10	1048				CHN			A1A	119	E	24	26	N	33	300	B		
G	BALDOCK	5217.400	03	12	0337			?	F	FX		G1D							156	A		2400BD STANAG 4285
RUS	BELGOROD	5217.400	14	12	0550	0555	42.3		F		2K80		006	E	04	43	N	09				
INS	MSPA-SAMARINDA	5220.000	09	12	0645	0650	13.3		INS	FX	2K70E	J3E										JAVANESE LANGUAGE - LSB
RUS	S. PETERSBURG	5229.000	14	12	0740	0750	22.0		NOR	FX		G1D	006	E	48	58	N	43	273	B		
G	BALDOCK	5229.500	12	12	1620			?	NOR	FC		G1D							23	A		2400BD STANAG 4285
RUS	S. PETERSBURG	5241.900	14	12	0750	0800	15.0		G	FX		G1D	003	W	33	51	N	41	260	B		
RUS	BELGOROD	5247.980	14	12	0558	0605	40.6		GRC		2K90		023	E	45	37	N	52				
J	TOKYO	5256.000	09	12	0644				CHN			A1A	125	E	10	43	N	50	310	B		
G	BALDOCK	5268.000	12	12	1624			?	RUS	FX		F1B							62	A		SECURE
RUS	BELGOROD	5268.360	13	12	0545	0550	37.7		G		2K90		002	W	31	50	N	46				
RUS	S. PETERSBURG	5268.500	13	12	0720	0730	28.0		D	FX		G1D	008	E	56	52	N	44	247	B		
J	TOKYO	5288.000	25	11	1127							A1A										
J	TOKYO	5289.000	09	12	0647							J3E										
J	TOKYO	5292.800	09	12	0650				KOR			J2B	129	E	01	37	N	27	285	B		
RUS	BELGOROD	5301.700	13	12	0550	0556	54.8		TUR		2K80		031	E	55	38	N	27				
G	BALDOCK	5301.800	21	12	0300			?	GRC	FX		G1D							116	A		2400BD STANAG 4285

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	5308.500	16	11	0049				RUS			J3E	132	E	34	43	N	00	323	B		
J	TOKYO	5310.000	19	10	0851				RUS			A1A	136	E	07	48	N	37	347	B		
INS	MSCK-TANGERANG	5332.390	08	12	0500	0530		Unknown		FX	3K00E	J3E										-
G	BALDOCK	5340.000	03	12	0341			?		FX		F1B							260	C		CARIBBEAN
RUS	BELGOROD	5340.000	13	12	0607	0611	41.4		USA		1K10	F1B	067	W	04	18	N	27				
G	BALDOCK	5340.005	21	12	0308			?	USA	FC		F1B							264	B		75BD STANAG 4481
RUS	BELGOROD	5346.990	13	12	0834	0846	41.5		G	LR	12K3		064	W	46	32	N	18				
INS	MSPA-SAMARINDA	5392.000	08	12	2339	2344	43.5			MS	2K40E	J3E									11	CHINA LANGUAGE
RUS	BELGOROD	5396.000	13	12	1030	1034	42.8		G		3K20		072	E	22	07	S	16				
G	BALDOCK	5398.000	21	12	0311			?	RUS	FC		F1B							67	B		
J	TOKYO	5420.000	02	12	0844			P5A2	CHN			A1A										
RUS	BELGOROD	5431.000	13	12	1038	1039	40.0		UKR		100H	A1A	030	E	32	49	N	59				
G	BALDOCK	5433.400	21	12	0316			?	I	FC		G1D							135	A		2400BD STANAG 4285
J	TOKYO	5437.000	12	10	1052				CHN			A1A	109	E	36	37	N	45	284	B		
RUS	BELGOROD	5442.770	13	12	0745	0748	43.6		G		2K90		004	W	07	52	N	49				
J	TOKYO	5444.200	09	12	0652							A1A										
I	ROMA	5450.000	05	10	1358	1411	1.0	VOLMET RAF	G	FA	2K70E	J3E										VOLMET
G	BALDOCK	5450.500	03	12	0348			?		FX		F1B							95	A		
J	TOKYO	5460.600	09	12	0655							J2B										
INS	MSCK-TANGERANG	5492.150	07	12	0600	0630		Unknown		FX	3K00E	J3E										-
RUS	MOROZOVSK	5495.000	10	12	1600	1615	7.0		TUR	FX	3K00	N0N	043	E	01	37	N	52	175	C		
I	ROMA	5505.000	05	10	1358	1411	6.0	SHANNON VOLMET	IRL	FA	2K70E	J3E										
RUS	BELGOROD	5505.000	10	12	0545	0554	38.1		IRL	FD	2K70	J3E	008	W	56	52	N	45				
G	BALDOCK	5505.000	21	12	0322			SHANNON VOLMET	IRL	FD		J3E							281	A		
J	TOKYO	5508.000	02	12	0856			SAN FRANCISCO		FA		J2D										
J	TOKYO	5508.000	09	12	0659			SAN FRANCISCO		FA		J2D										
J	TOKYO	5514.000	02	12	0856			MOLOKAI		FA		J2D										
J	TOKYO	5520.390	19	10	0902				CHN			J2D	120	E	38	31	N	03	260	B		
J	TOKYO	5520.390	25	10	0646				CHN			J2D	121	E	07	29	N	51	256	B		
J	TOKYO	5540.000	09	12	0701				CHN			J3E	120	E	16	31	N	18	261	B		
INS	MSPA-SAMARINDA	5665.000	06	12	2318	2323	43.9			MS	2K40E	J3E									11	CHINA LANGUAGE
J	TOKYO	5666.000	02	12	0853				CHN			A1A	125	E	54	44	N	27	313	B		
J	TOKYO	5673.000	25	11	1131							J3E										
J	TOKYO	5689.000	25	10	0650				CHN			A1A	125	E	54	43	N	50	311	B		
INS	MSPA-SAMARINDA	5699.000	06	12	2327	2330	42.2			MS	2K40E	J3E									11	CHINA LANGUAGE
I	ROMA	5708.000	05	10	1404	1404	12.0	CRO		FX	3K30E	J3E										ALE
J	TOKYO	5709.390	19	10	0907				CHN			J2D	119	E	42	28	N	46	254	B		
J	TOKYO	5721.000	09	12	0705				KRE			J3E	127	E	26	39	N	20	294	B		
G	BALDOCK	5721.440	05	12	0535			REYKJAVIK STATION ID 003	ISL	FD		G1B							322	B		AIRCRAFT ALSO HEARD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	5757.300	09	12	0712				RUS				132	E	12	43	N	26	323	A		
G	BALDOCK	5760.400	05	12	0530			?	F	FX		G1D							152	A		2400BD STANAG 4285
G	BALDOCK	5780.000	21	12	0327			HARMONY RADIO	E	BC		A3E							183	A		
G	BALDOCK	5800.000	05	12	0526			WRMI THE OVERCOMER MINISTRY	USA	BC		A3E							282	B		OKEECHOBEE TX
J	TOKYO	5800.000	09	12	0714					BC		A3E							40	C		
J	TOKYO	5807.000	19	10	0910			ZKLF				F3C	176	E	39	38	S	35	150	B		
G	BALDOCK	5817.800	05	12	0522			?	TUR	FX		G1D							104	B		2400BD STANAG 4285
RUS	BELGOROD	5817.800	09	12	0544	0548	43.3		TUR		2K90		031	E	52	39	N	21				
RUS	NYAGAN	5819.500	09	12	0623	0632	17.0		POL		498H	F1B	019	E	34	53	N	31	271	A		
G	BALDOCK	5819.505	05	12	0520			?	RUS	FC		F1B							70	A		50BD, KALININGRAD
G	BALDOCK	5830.000	05	12	0514			WTWW	USA	BC		A3E							292	B		LEBANON TX
INS	MSPA-SAMARINDA	5830.000	06	12	2338	2343	43.8	IRAN INTERNATIONAL TV	ARM	BC	9K00E	A3E									11	ARMENIA
RUS	NOVOSIBIRSK	5830.000	09	12	0230	0300	30.0		UZB	BC	10K8	A3E	069	E	26	41	N	15	219	A	11	
RUS	BELGOROD	5830.000	09	12	1405	1410	54.3		UZB	BC	10K3	A3E	069	E	09	41	N	13			11	
KOR	CRMS	5845.000	04	10	1817	1817	31.6		UZB	BC		A3E									11	
INS	MSPA-SAMARINDA	5845.000	06	12	2343	2349	44.1	BBC	SNG	BC	9K00E	A3E									11	
J	TOKYO	5850.000	25	10	0654			WRMI		BC		A3E	080	W	38	28	N	01	37	B	11	
G	BALDOCK	5850.000	05	12	0511			?	DNK	FC		G1D							45	A		2400BD STANAG 4285
RUS	BELGOROD	5850.000	08	12	0640	0643	45.6		S		2K80		014	E	02	57	N	11				
RUS	SMOLENSK	5850.000	08	12	0800	0900	21.0		S	FX	2K99	G1D	013	E	06	56	N	36	57	B		
RUS	BELGOROD	5850.000	09	12	0606	0609	51.2		DNK		2K80		010	E	01	55	N	48				
G	BALDOCK	5850.000	21	12	0332			WRMI THE OVERCOMER MINISTRY	USA	BC		A3E							280	B		OKEECHOBEE TX
J	TOKYO	5853.000	02	12	0901							A1A										
J	TOKYO	5857.520	25	10	0700			HLL2				H3E	128	E	12	36	N	03	276	B		
J	TOKYO	5857.520	09	11	0153			HLL2				H3E	128	E	14	36	N	23	277	B		
J	TOKYO	5857.520	16	11	0100			HLL2				H3E	128	E	36	35	N	59	276	B		
J	TOKYO	5857.520	02	12	0906			HLL2				H3E	128	E	09	36	N	17	277	A		
J	TOKYO	5857.520	09	12	0716			HLL2				H3E	128	E	12	35	N	47	276	B		
J	TOKYO	5857.520	21	12	0454			HLL2				H3E	127	E	00	35	N	45	274	B		
KOR	CRMS	5860.000	03	10	1819	1819	32.3		KWT	BC		A3E									11	
KOR	CRMS	5860.000	02	11	0443	0443	47.6		KWT	BC		A3E									11	
G	BALDOCK	5860.000	05	12	0509			RADIO FARDA	KWT	BC		A3E							101	A		KUWAIT TX
RUS	SAMARA	5860.000	08	12	1030	1100	22.0		KWT	BC	10K0	A3E	047	E	40	29	N	30	183	A		
RUS	BELGOROD	5860.000	08	12	1300	1306	57.6	Radio Farda	KWT	BC	10K5	A3E	047	E	40	29	N	30			11	
RUS	NYAGAN	5860.000	08	12	1303	1323	48.0		KWT	BC	2K49	A3E	047	E	48	27	N	49	208	A		
RUS	ARKHANGELSK	5860.000	08	12	1340	1355	33.0	Radio FARDA	KWT	BC	2K80	A3E							164	B		
KOR	CRMS	5875.000	03	10	1819	1819	30.1		ARM	BC		A3E									11	
KOR	CRMS	5875.000	24	10	2023	2023	36.2		THA	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NYAGAN	5875.000	08	12	1236	1246	22.0		CHN	BC	2K92	A3E	104	E	24	31	N	49	121	A		
KOR	CRMS	5885.000	02	10	1513	1513	30.7		THA	BC		A3E									11	
KOR	CRMS	5885.000	16	10	1523	1523	-12.7		BOT	BC		A3E									11	
KOR	CRMS	5890.000	03	10	1820	1820	30.2		THA	BC		A3E									11	
KOR	CRMS	5890.000	04	11	0033	0033	35.7		THA	BC		A3E									11	
KOR	CRMS	5890.000	25	11	0014	0014	18.1		CHN	BC		A3E									11	
G	BALDOCK	5890.000	05	12	0504			WWCR THE OVERCOMER MINISTRY	USA	BC		A3E							290	B		NASHVILLE TX
KOR	CRMS	5890.000	06	12	0036	0036	43.6		CHN	BC		A3E									11	
KOR	CRMS	5890.000	16	12	0006	0006	5.4		CHN	BC		A3E									11	
G	BALDOCK	5890.000	31	12	2340			BBC WS	SNG	BC		A3E							78	B		KRANJI TX
KOR	CRMS	5895.000	31	10	1812	1812	25.1		TJK	BC		A3E									11	
G	BALDOCK	5895.000	05	12	0502			RADIO NORTHERN STAR	NOR	BC		A3E							17	A		BERGEN KRINGKASTER TX
RUS	BELGOROD	5895.000	08	12	1306	1312	57.0		UZB	BC	8K30	A3E	069	E	09	41	N	13			11	
G	BALDOCK	5900.000	05	12	0459			THE OVERCOMER MINISTRY	BUL	BC		A3E							112	A		KOSTINBROD (SOFIA) TX
KOR	CRMS	5905.000	05	10	0507	0507	55.4		KRE	BC		A3E									6	
I	ROMA	5905.000	05	10	1358	1411	15.0	R CHINA INTERNATIONA	CHN	BC	10K0E	A3E										Rus
KOR	CRMS	5905.000	11	11	0513	0513	31.1		KRE	BC		A3E									6	
RUS	NOVOSIBIRSK	5905.000	08	12	0125	0155	38.0	China Radio Int.	CHN	BC	15K4	A3E	076	E	06	39	N	55	200	A		
RUS	SLAVYANKA	5905.000	08	12	0405	0435	69.0		KRE	BC	4K00	A3E	126	E	49	39	N	27	227	A		
RUS	NYAGAN	5905.000	08	12	1238	1248	47.0		CHN	BC	2K45	A3E	076	E	22	39	N	50	161	B		
RUS	BELGOROD	5905.000	08	12	1312	1315	57.7		CHN	BC	7K00	A3E	075	E	46	39	N	21				
RUS	ARKHANGELSK	5905.000	08	12	1355	1405	33.0	China Radio Int.	CHN	BC	1K42	A3E							123	B		
KOR	CRMS	5905.000	14	12	0413	0413	26.9		KRE	BC		A3E									3	
J	TOKYO	5908.500	25	10	0709							A1A										
J	TOKYO	5909.380	02	12	0910				CHN			J2D	121	E	32	29	N	54	255	B		
KOR	CRMS	5915.000	02	11	0444	0444	35.8		KRE	BC		A3E									6	
RUS	NOVOSIBIRSK	5915.000	08	12	0225	0255	30.0	China Radio Int.	CHN	BC	15K0	A3E	075	E	34	39	N	13	201	A		
RUS	IRKUTSK	5915.000	08	12	1000	1030	25.0	China Radio Int.	CHN	BC	15K0	A3E	110	E	03	41	N	12	161	A		
RUS	ARKHANGELSK	5915.000	08	12	1000	1010	31.0	China Radio Int.	CHN	BC	1K39	A3E							86	B		
RUS	BELGOROD	5915.000	08	12	1315	1320	60.3		CHN	BC	7K50	A3E	111	E	46	40	N	47				
RUS	NYAGAN	5915.000	08	12	1317	1327	47.0		CHN	BC	2K86	A3E	115	E	42	38	N	53	104	A		
I	ROMA	5918.500	05	10	1358	1411	10.0			FX	300HE	F1B									3	FSK
J	TOKYO	5919.970	25	10	0712				KRE				125	E	52	38	N	55	290	B		
I	ROMA	5920.000	05	10	1358	1411	21.0			BC	10K0E	A3E										Deu
RUS	SLAVYANKA	5920.000	08	12	0155	0220	61.0		CHN	BC	3K49	A3E	121	E	21	24	N	25	207	A		
RUS	NYAGAN	5920.000	08	12	1327	1337	33.0		J	BC	2K97	A3E	125	E	52	35	N	57	96	A		
J	TOKYO	5922.550	09	12	0724				KRE				125	E	32	38	N	58	290	B		
INS	MSCK-TANGERANG	5925.000	03	12	0530	0600		VOICE OF VIETNAM 2	VTN	BC	9K00	A3E										-
RUS	BELGOROD	5925.000	08	12	0655	0658	42.8		F	BC	9K60	A3E	001	E	53	46	N	57				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	5925.000	08	12	1406	1409	75.0		UZB	BC	12K3	A3E	069	E	09	41	N	13				
RUS	BELGOROD	5930.000	08	12	1320	1324	59.4		USA	BC	6K80	A3E	144	E	39	13	N	20				
RUS	NYAGAN	5930.000	08	12	1332	1342	36.0		CHN	BC	2K65	A3E	118	E	34	46	N	49	83	C		
INS	MSCK-TANGERANG	5935.000	03	12	0500	0530		PBS XIZANG	CHN	BC	9K00	A3E										-
RUS	IRKUTSK	5945.000	08	12	1100	1130	11.0		CHN	BC	15K4	A3E	116	E	14	39	N	25	145	A		
RUS	NOVOSIBIRSK	5945.000	08	12	1100	1130	21.0		CHN	BC		A3E	116	E	14	39	N	25	111	A		
J	TOKYO	5955.000	27	10	1100			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	5955.000	10	11	1100			CHINA R.I.	CHN	BC		A3E										
RUS	BELGOROD	5955.000	08	12	1324	1328	63.5		CHN	BC	7K40	A3E	116	E	48	39	N	45				
INS	MSCK-TANGERANG	5960.000	03	12	0330	0400		NHK WORLD RADIO JAPAN	J	BC	9K00	A3E										-
RUS	IRKUTSK	5960.000	08	12	0200	0230	1.0		CHN	BC		A3E	087	E	02	44	N	37	243	A		
RUS	NOVOSIBIRSK	5960.000	08	12	0200	0230	34.0		CHN	BC	9K60	A3E	087	E	02	44	N	37	165	A		
RUS	MOROZOVSK	5960.000	08	12	1100	1115	13.0		CHN	BC	3K00	A3E							86	C		
RUS	NYAGAN	5960.000	08	12	1250	1300	37.0		CHN	BC	3K00	A3E	088	E	26	39	N	06	132	C		
RUS	BELGOROD	5960.000	08	12	1328	1330	58.8		CHN	BC	7K10	A3E	086	E	54	44	N	09				
J	TOKYO	5965.000	28	10	1400			CHINA R.I.	CHN	BC		A3E										
RUS	MOROZOVSK	5965.000	08	12	1115	1130	14.0		CHN	BC	3K00	A3E							87	C		
RUS	BELGOROD	5965.000	08	12	1330	1333	61.6		CHN	BC	6K00	A3E	108	E	36	34	N	22				
RUS	NYAGAN	5970.000	08	12	1252	1302	34.0		PHL	BC	2K65	A3E	116	E	40	12	N	13	117	B		
RUS	SLAVYANKA	5975.000	08	12	0900	0930	51.0		CHN	BC	4K25	A3E	115	E	18	38	N	48	257	A		
RUS	MOROZOVSK	5985.000	08	12	1130	1145	21.0		CHN	BC	3K00	A3E							79	C		
RUS	NYAGAN	5985.000	08	12	1255	1305	53.0		BRM	BC	2K65	A3E	094	E	50	16	N	35	142	A		
J	TOKYO	5985.000	16	12	2200			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	5990.000	06	10	0620	0620	44.7	CNR	CHN	BC		A3E									3	
INS	MSCK-TANGERANG	5990.000	03	12	0200	0230		PBS QINGHAI	CHN	BC	9K00	A3E										-
RUS	ARKHANGELSK	5990.000	08	12	1010	1020	30.0		CHN	BC	2K93	A3E							76	B		
RUS	NYAGAN	5990.000	08	12	1257	1307	46.0		PHL	BC	2K77	A3E	134	E	47	11	N	16	103	A		
RUS	BELGOROD	5990.000	08	12	1333	1340	61.9	CRI	CHN	BC	7K90	A3E	111	E	46	40	N	47				
KOR	CRMS	5995.000	03	10	0023	0023	63.9		MLI	BC		A3E									6	
KOR	CRMS	5995.000	14	12	0413	0413	35.8	TDA	ALG	BC		A3E									6	
KOR	CRMS	6000.000	18	10	0008	0008	29.6		CUB	BC		A3E									3	
RUS	SLAVYANKA	6000.000	08	12	0055	0120	57.0		CHN	BC	1K90	A3E	116	E	02	37	N	50	251	A		
RUS	NOVOSIBIRSK	6000.000	08	12	0800	0830	10.0		CHN	BC		A3E	114	E	43	40	N	24	111	A		
RUS	IRKUTSK	6000.000	08	12	0800	0830	12.0		CHN	BC		A3E	114	E	43	40	N	24	148	A		
RUS	ARKHANGELSK	6000.000	08	12	1030	1040	31.0	Voice of China	CHN	BC	2K96	A3E							82	B		
RUS	NYAGAN	6000.000	08	12	1300	1309	39.0		CHN	BC	2K94	A3E	125	E	19	24	N	36	106	A		
RUS	BELGOROD	6000.000	08	12	1340	1342	61.6		CHN	BC	10K0	A3E	116	E	48	39	N	45				
KOR	CRMS	6000.000	27	12	0015	0015	45.1	CNR	CHN	BC		A3E									11	
I	ROMA	6005.000	05	10	1358	1405	29.0	R Slovakia Internati		BC	10K0E	A3E										Spa

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	6010.000	08	12	1342	1349	56.5		CHN	BC	8K40	A3E	107	E	41	34	N	27				
KOR	CRMS	6015.000	12	11	0553	0553	35.4		KRE	BC	9K85E	A3E									6	
INS	MSCK-TANGERANG	6015.000	03	12	0130	0200		NORTH KOREAN JAMMING	KRE	BC	9K00	A3E										-
RUS	YAKUTSK	6015.000	08	12	0125	0150	67.0		CHN	BC	7K38	A3E	088	E	37	44	N	06	252	A		
RUS	NOVOSIBIRSK	6015.000	08	12	0300	0330	32.0		CHN	BC	10K0	A3E	086	E	10	43	N	24	169	A		
RUS	ARKHANGELSK	6015.000	08	12	1020	1030	43.0		KOR	BC	2K97	A3E							74	B		
RUS	MOROZOVSK	6015.000	08	12	1145	1200	16.0		KOR	BC	3K00	A3E	126	E	46	37	N	12	66	C		
RUS	BELGOROD	6015.000	08	12	1349	1354	70.8		CHN	BC	10K0	A3E	086	E	54	44	N	09				
KOR	CRMS	6015.000	28	12	0412	0412	23.9		KRE	BC		A3E									6	
INS	MSCK-TANGERANG	6020.000	03	12	0100	0130		VOICE OF VETNAM 4	VTN	BC	9K00	A3E										-
I	ROMA	6025.000	03	11	1702	1707	53.0	RADIO ROMANIA INTERN	ROU	BC	10K0	X7W										FRENCH LANGUAGE
INS	MSCK-TANGERANG	6025.000	03	12	0030	0100		PBS XIZANG	CHN	BC	9K00	A3E										-
RUS	MOROZOVSK	6025.000	08	12	1200	1215	23.0		CHN	BC	3K00	A3E	091	E	15	29	N	38	98	C		
RUS	BELGOROD	6025.000	08	12	1354	1400	67.1		CHN	BC	8K10	A3E	091	E	15	29	N	38				
J	TOKYO	6030.000	12	10	0001			CHINA N.R.		BC		D7W	116	E	23	39	N	31	289	A		
J	TOKYO	6030.000	25	10	0648				CHN	BC		D7W	115	E	07	38	N	49	287	B		
INS	MSCK-TANGERANG	6030.000	03	12	0000	0030		CNR 1	CHN	BC	9K00	A3E										-
RUS	SLAVYANKA	6030.000	08	12	0005	0035	43.0		CHN	BC	8K62	X7E	115	E	51	38	N	09	254	A		
RUS	IRKUTSK	6030.000	08	12	0830	0900	6.0		CHN	BC	9K10	F9D	116	E	20	39	N	23	145	A		
RUS	BELGOROD	6030.000	08	12	1400	1406	68.5		CHN	BC	9K90	X7E	116	E	49	39	N	45				
J	TOKYO	6030.000	09	12	0748				CHN	BC		D7W	116	E	33	40	N	05	291	B		
I	ROMA	6030.000	12	12	1558	1605	51.0	R ROMANIA INTERNATIO	ROU	BC	10K0E											RUS
RUS	NYAGAN	6035.000	08	12	1305	1318	42.0		CHN	BC	2K53	A3E	096	E	06	29	N	06	127	C		
KOR	CRMS	6040.000	08	10	1307	1307	67.4		CHN	BC		A3E									6	
RUS	BELGOROD	6040.000	08	12	0600	0604	62.5	Galbeni TX1	ROU	BC	9K90	X7E	026	E	51	46	N	45				
KOR	CRMS	6045.000	10	11	0608	0608	33.8		J	BC		A3E									6	
RUS	ARKHANGELSK	6050.000	07	12	0945	0955	30.0		CHN	BC	2K98	A3E							113	B		
RUS	BELGOROD	6050.000	07	12	1150	1154	63.2		CHN	BC	7K30	A3E	091	E	15	29	N	39				
RUS	MOROZOVSK	6050.000	07	12	1200	1215	13.0		CHN	BC	3K00	A3E	091	E	23	31	N	26	95	C		
RUS	MOROZOVSK	6050.000	08	12	1215	1230	30.0		CHN	BC	3K00	A3E	091	E	25	29	N	38	98	C		
RUS	BELGOROD	6050.000	08	12	1409	1412	70.1		CHN	BC	8K60	A3E	091	E	15	29	N	38				
RUS	BELGOROD	6060.000	07	12	0545	0550	70.1		F	BC	8K90	A3E	001	E	53	46	N	57				
I	ROMA	6070.000	05	10	1358	1405	37.0	Overcomer Ministry R		BC	10K0E	A3E										
J	TOKYO	6070.000	15	12	0901			V.O. KOREA	KRE	BC		A3E										
RUS	BELGOROD	6080.000	07	12	1100	1105	46.4	CRI	CHN	BC	10K4	A3E	116	E	49	39	N	45				
RUS	NOVOSIBIRSK	6080.000	07	12	1110	1140	41.0		CHN	BC	10K0	A3E	115	E	04	39	N	40	112	A		
RUS	SAMARA	6080.000	07	12	1135	1145	98.0		CHN	BC	10K0	A3E							88			
RUS	YAKUTSK	6080.000	07	12	1136	1150	95.0		CHN	BC	4K18	A3E	115	E	57	39	N	10	206	A		
J	TOKYO	6087.000	02	12	1001				RUS			F1B	135	E	21	48	N	13	344	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NOVOSIBIRSK	6090.000	07	12	0145	0215	25.0		CHN	BC		A3E	095	E	03	36	N	09	151	A		
RUS	ARKHANGELSK	6090.000	07	12	1040	1050	32.0	China Radio Int.	CHN	BC	1K01	A3E							99	B		
RUS	BELGOROD	6090.000	07	12	1114	1118	57.8	NHK	J	BC	8K30	A3E	139	E	49	36	N	10				
RUS	MOROZOVSK	6090.000	07	12	1215	1230	12.0		CHN	BC	3K00	A3E	142	E	08	47	N	37	48	C		
RUS	SAMARA	6090.000	07	12	1932	1945	120.0		CHN	BC	10K0	A3E	092	E	17	45	N	17	98			
RUS	SAMARA	6090.000	07	12	2032	2045	112.0		CHN	BC	10K0	A3E	099	E	52	38	N	11	92			
RUS	BELGOROD	6095.000	07	12	1205	1208	60.1		KOR	BC	7K10	A3E	126	E	52	35	N	49				
J	TOKYO	6099.920	16	12	2059			KOREAN CENTRAL B.S.	KRE	BC		A3E										
KOR	CRMS	6100.000	11	10	0906	0906	31.2	KCB	KRE	BC		A3E									3	
KOR	CRMS	6100.000	08	11	0048	0048	51.4		CHN	BC		A3E									6	
KOR	CRMS	6100.000	23	11	0614	0614	40.1		KRE	BC		A3E									6	
RUS	SMOLENSK	6100.000	07	12	1000	1100	43.0		KRE	BC	2K99	A3E	126	E	31	39	N	40	97	B		
RUS	ARKHANGELSK	6100.000	07	12	1050	1100	33.0		KRE	BC	2K95	A3E							74	B		
RUS	MOROZOVSK	6100.000	07	12	1230	1245	19.0		CHN	BC	3K00	A3E	175	E	52	31	N	24	211	C		
RUS	BELGOROD	6100.000	07	12	1400	1405	74.2		CHN	BC	10K3	A3E	086	E	54	44	N	09				
KOR	CRMS	6100.000	15	12	0616	0616	23.7	KCB	KRE	BC		A3E									3	
RUS	S. PETERSBURG	6104.000	07	12	1020	1040	40.0		CHN	BC		A3E	107	E	42	35	N	40	78	B		
RUS	BELGOROD	6105.000	07	12	0500	0601	66.4		F	BC	10K0	A3E	001	E	53	46	N	57				
RUS	SAMARA	6105.000	07	12	0523	0530	62.0		F	BC	10K0	A3E	002	E	48	48	N	36	277			
RUS	SMOLENSK	6105.000	07	12	1000	1100	54.0		CHN	BC	2K99	A3E	117	E	04	27	N	36	116	B		
RUS	ARKHANGELSK	6105.000	07	12	1100	1110	33.0		CHN	BC	2K94	A3E							87	B		
RUS	BELGOROD	6105.000	07	12	1130	1134	60.9		CHN	BC	8K20	A3E	121	E	27	24	N	53				
KOR	CRMS	6110.000	20	10	1511	1511	23.1		CHN	BC	9K91E	A3E									6	
INS	MSCK-TANGERANG	6110.000	02	12	0600	0630		PBS XIZANG	CHN	BC	9K00	A3E									-	
KOR	CRMS	6115.000	30	10	0623	0623	13.6		J	BC		A3E									6	
INS	MSCK-TANGERANG	6115.000	02	12	0600	0630		RADIO NIKKEI 2	J	BC	9K00	A3E									-	
RUS	NOVOSIBIRSK	6120.000	07	12	0220	0248	31.0		CHN	BC	9K20	A3E	086	E	18	43	N	29	168	A		
RUS	MOROZOVSK	6120.000	07	12	1245	1300	17.0		CHN	BC	3K00	A3E	139	E	58	07	N	44	78	C		
RUS	BELGOROD	6120.000	07	12	1405	1412	71.7		CHN	BC	10K0	A3E	086	E	54	44	N	09				
RUS	ARKHANGELSK	6125.000	07	12	1000	1010	30.0	Voice of China	CHN	BC	2K90	A3E							83	B		
RUS	SLAVYANKA	6125.000	07	12	1021	1030	69.0		CHN	BC	5K31	A3E	122	E	20	40	N	51	257	A		
INS	MSCK-TANGERANG	6130.000	02	12	0530	0600		PBS XIZANG	CHN	BC	9K00	A3E									-	
RUS	SAMARA	6130.000	07	12	1235	1245	89.0		CHN	BC	10K0	A3E	057	E	30	49	N	44	118			
RUS	MOROZOVSK	6130.000	07	12	1245	1300	13.0		CHN	BC	3K00	A3E	149	E	17	28	N	05	58	C		
INS	MSCK-TANGERANG	6135.000	02	12	0500	0530		Voice OF FREEDOM	KOR	BC	9K00	A3E									-	
RUS	BELGOROD	6135.000	07	12	0601	0607	67.9		I	BC	9K20	A3E	012	E	19	42	N	02				
J	TOKYO	6140.000	19	10	1001			5D6T				A1A	116	E	50	39	N	44	290	A		
J	TOKYO	6140.000	16	11	0132			Z4YB				A1A	116	E	28	40	N	11	291	B		
J	TOKYO	6140.000	02	12	1002			Z4Y6				A1A	116	E	18	39	N	46	290	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSCK-TANGERANG	6145.000	02	12	0430	0500		PBS QINGHAI	CHN	BC	9K00	A3E										-
RUS	SAMARA	6145.000	07	12	0410	0420	101.0		ROU	BC	10K0	A3E	024	E	33	44	N	38	256			
RUS	SLAVYANKA	6145.000	07	12	0940	0950	51.0		CHN	BC	4K22	A3E	100	E	26	34	N	21	261	A		
KOR	CRMS	6150.000	27	10	0613	0613	9.0		KRE	BC		A3E										6
RUS	SAMARA	6155.000	07	12	0533	0539	80.0		AUT	BC	10K0	A3E	014	E	21	47	N	37	270			
RUS	BELGOROD	6155.000	07	12	0625	0632	63.4		AUT	BC	10K0	A3E	016	E	27	48	N	00				
KOR	CRMS	6160.000	11	10	0050	0050	24.4		KRE	BC		A3E										6
KOR	CRMS	6160.000	10	11	0610	0610	54.8		CHN	BC	9K35E	A3E										6
KOR	CRMS	6160.000	11	11	0518	0518	21.5		KRE	BC		A3E										6
RUS	S. PETERSBURG	6160.000	07	12	0810	0830	22.0		CHN	BC		A3E	120	E	28	44	N	22	63	B		
RUS	SMOLENSK	6160.000	07	12	1000	1100	43.0		KRE	BC	2K99	A3E	126	E	31	39	N	34	93	B		
RUS	ARKHANGELSK	6160.000	07	12	1010	1020	32.0		CHN	BC	2K98	A3E							73	B		
RUS	YAKUTSK	6160.000	07	12	1040	1050	102.0		KRE	BC	5K91	A3E	128	E	47	41	N	03	182	A		
RUS	MOROZOVSK	6160.000	07	12	1300	1315	15.0		KRE	BC	3K00	A3E	156	E	15	34	N	14	50	C		
KOR	CRMS	6160.000	15	12	0617	0617	25.6		KRE	BC		A3E										11
KOR	CRMS	6160.000	23	12	0407	0407	16.5		CHN	BC		A3E										11
KOR	CRMS	6175.000	08	10	2141	2141	48.1		CHN	BC		A3E										6
RUS	BELGOROD	6175.000	07	12	0722	0726	41.4		ROU	BC	10K0	X7E	026	E	06	44	N	45				
RUS	SLAVYANKA	6175.000	07	12	0918	0930	55.0		CHN	BC	6K26	A3E	123	E	05	41	N	10	258	A		
KOR	CRMS	6180.000	20	10	1512	1512	17.9		CHN	BC		A3E										6
RUS	SMOLENSK	6180.000	07	12	1000	1100	56.0		CHN	BC	2K99	A3E	117	E	55	25	N	57	109	B		
RUS	ARKHANGELSK	6180.000	07	12	1020	1030	32.0	CNR1	CHN	BC	2K98	A3E							88	B		
RUS	S. PETERSBURG	6180.000	07	12	1025	1040	39.0		CHN	BC		A3E	113	E	33	32	N	44	77	B		
RUS	BELGOROD	6180.000	07	12	1048	1053	44.9		CHN	BC	8K40	A3E	121	E	27	24	N	53				
RUS	SAMARA	6180.000	07	12	1125	1135	98.0		CHN	BC	10K0	A3E	119	E	35	33	N	36	88			
RUS	MOROZOVSK	6180.000	07	12	1315	1330	30.0		CHN	BC	3K00	A3E	122	E	59	43	N	16	62	C		
KOR	CRMS	6185.000	14	10	0951	0951	12.1		CHN	BC		A3E										6
I	ROMA	6185.000	03	11	1700	1707	59.0	RADIO VATICANA	CVA	BC	10K0E	A3E										BIELORUSSO
I	ROMA	6195.000	07	11	2300	2305	42.0	BBC WORLD SERVICE		BC	10K0E	A3E										ENG
J	TOKYO	6200.000	12	10	0004				CHN	BC		A3E	091	E	20	29	N	34	276	B		
KOR	CRMS	6200.000	12	10	1208	1208	2.9		CHN	BC		A3E										6
J	TOKYO	6200.000	19	10	1004			XIZANG P.B.S.		BC		A3E	091	E	07	29	N	44	275	B	11	
J	TOKYO	6200.000	24	11	2346			XIZANG P.B.S		BC		A3E	091	E	07	29	N	32	278	B	11	
INS	MSCK-TANGERANG	6200.000	02	12	0130	0200		PBS XIZANG	CHN	BC	9K00	A3E										-
J	TOKYO	6200.000	02	12	1006			XIZANG P.B.S.		BC		A3E										11
KOR	CRMS	6200.000	12	12	2124	2124	15.3		CHN	BC		A3E										11
J	TOKYO	6214.950	19	10	1006			SOUND OF HOPE		BC		A3E										11
J	TOKYO	6214.960	02	12	1007			SOUND OF HOPE		BC		A3E										11
INS	MSCK-TANGERANG	6215.000	02	12	0100	0130		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	6229.940	19	10	1007			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6229.960	02	12	1009			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6229.970	24	11	2348			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	6230.000	15	10	2115	2115	3.0		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	6230.000	02	12	0000	0030		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
KOR	CRMS	6230.000	20	12	0012	0012	-2.3		CHN	BC		A3E									11	
RUS	MOROZOVSK	6235.000	07	12	1330	1345	5.0		TUR	FX	3K00	G7B	030	E	31	34	N	18	215	C		
RUS	BELGOROD	6235.700	07	12	0644	0647	67.4		GRC		2K70		024	E	58	35	N	16				
J	TOKYO	6245.000	24	11	2350				KOR	BC		A3E	127	E	01	37	N	28	283	B		
INS	MSPA-SAMARINDA	6245.000	01	12	0700	0710	27.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
KOR	CRMS	6245.000	28	12	0413	0413	33.3		KRE	BC		A3E									6	
INS	MSPA-SAMARINDA	6246.000	01	12	0730	0735	17.1		INS	MS	2K70E	J3E										Ethnic Language -USB
KOR	CRMS	6250.000	07	10	0919	0919	60.7		KRE	BC		A3E									11	
J	TOKYO	6250.000	19	10	1008				KOR	BC		A3E	126	E	59	37	N	21	283	B		
INS	MSCK-TANGERANG	6250.000	01	12	0630	0700		NORTH KOREAN JAMMING	KRE	BC	9K00	A3E									11	-
J	TOKYO	6250.000	02	12	1010				KOR	BC		A3E	127	E	07	37	N	20	283	B		
RUS	SAMARA	6250.000	06	12	1100	1200	23.0		CHN	BC	10K0	A3E	116	E	29	39	N	41	79		11	
RUS	MOROZOVSK	6250.000	06	12	1330	1345	15.0		KOR	BC	3K00	A3E	127	E	58	36	N	33	66	C	11	
RUS	BELGOROD	6250.000	06	12	1350	1354	62.2		KOR	BC	9K10	A3E	127	E	06	37	N	38			11	
RUS	ARKHANGELSK	6250.000	07	12	1040	1050	33.0		KRE	BC	2K99	A3E							74	B		
J	TOKYO	6250.000	09	12	0750				KOR	BC		A3E	127	E	12	37	N	06	282	B		
J	TOKYO	6250.000	27	12	0419				KOR	BC		A3E	127	E	29	37	N	39	285	B		
RUS	BELGOROD	6252.000	06	12	0919	0920	32.5		POL		2K80		020	E	38	52	N	10				
J	TOKYO	6255.000	12	10	0008				KOR	BC		A3E	127	E	25	37	N	33	284	B		
INS	MSPA-SAMARINDA	6258.000	01	12	0215	0220	14.7		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
G	BALDOCK	6269.000	12	12	1856					MS		G1D							293			
J	TOKYO	6279.970	19	10	1009			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	6280.000	04	10	0923	0923	28.9		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	6280.000	01	12	0600	0630		SOH XI WANG ZHI SHENG		BC	9K00	A3E									11	-
J	TOKYO	6280.000	02	12	1012			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	6284.000	01	12	0615	0620	35.5		INS	MS	2K70E	J3E										Indonesian Language-USB
I	ROMA	6295.000	17	11	1700	1705	40.0	CHRIST GOSPEL BROADC	USA	BC	10K0E	A3E									3	JEFFERSONVILLE
RUS	BELGOROD	6295.000	06	12	0720	0723	49.0		IRQ		1K70		043	E	46	34	N	52				
INS	MSPA-SAMARINDA	6300.000	01	12	0720	0725	16.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
RUS	S. PETERSBURG	6304.600	06	12	0920	0940	29.0		POL	FX		F1B	020	E	31	52	N	08	217	B		
INS	MSPA-SAMARINDA	6305.000	01	12	0610	0615	32.4		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
INS	MSPA-SAMARINDA	6312.000	01	12	0400	0410	20.6		INS	MS	2K70E	J3E										Indonesian Language-LSB
INS	MSPA-SAMARINDA	6312.000	01	12	0530	0540	43.3		INS	MS	2K70E	J3E										Indonesian Language-LSB
J	TOKYO	6316.000	12	10	0011			XSQ		FC		F1B										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	6316.000	19	10	1014			XSQ		FC		F1B										
J	TOKYO	6321.000	12	10	0012				RUS			F1B	132	E	39	43	N	00	323	A		
INS	MSPA-SAMARINDA	6321.000	01	12	0745	0750	12.8		INS	MS	2K70E	J3E										Ethnic Language -USB
INS	MSPA-SAMARINDA	6323.000	01	12	0715	0720	13.2		INS	MS	2K70E	J3E										Ethnic Language -USB
INS	MSPA-SAMARINDA	6325.000	01	12	0835	0840	26.0		INS	MS	2K70E	J3E										Ethnic Language -USB
J	TOKYO	6326.000	05	10	0135			XSG		FC		F1B										
J	TOKYO	6326.000	12	10	0014			XSG		FC		F1B	121	E	20	31	N	09	260	B		
J	TOKYO	6326.000	25	10	0751			XSG		FC		F1B										
J	TOKYO	6326.000	16	11	0137			XSG		FC		F1B										
J	TOKYO	6326.000	24	11	2354			XSG		FC		F1B										
J	TOKYO	6326.000	27	12	0424			XSG		FC		F1B										
J	TOKYO	6327.000	05	10	0136				RUS			F1B	131	E	40	43	N	20	321	B		
INS	MSPA-SAMARINDA	6333.000	01	12	0725	0730	28.5		INS	MS	2K70E	J3E										Ethnic Language -USB
INS	MSPA-SAMARINDA	6335.000	01	12	0650	0700	17.2		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
INS	MSPA-SAMARINDA	6336.000	01	12	0830	0835	28.4		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
INS	MSPA-SAMARINDA	6337.000	01	12	0620	0625	41.1		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
J	TOKYO	6340.160	02	12	1013			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6340.170	19	10	1015			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6340.170	24	11	2355			SOUND OF HOPE		BC		A3E									11	
RUS	SAMARA	6348.000	06	12	1030	1100	17.0		CHN	BC	10K0	A3E	114	E	32	40	N	56	79		11	
RUS	MOROZOVSK	6348.000	06	12	1300	1315	13.0		KOR	BC	3K00	A3E	128	E	08	36	N	33	66	C	11	
J	TOKYO	6348.030	02	12	1014					BC		A3E										
J	TOKYO	6348.030	09	12	0756				KOR	BC		A3E	127	E	14	37	N	16	283	B		
RUS	BELGOROD	6349.750	06	12	0550	0553	44.2		F		2K80		004	W	29	48	N	23				
G	BALDOCK	6349.800	12	12	1857			FUE (BREST)	F	FC		G1D							218	A		2400BD STANAG 4285
KOR	CRMS	6350.000	24	11	0653	0653	43.6		KRE	BC		A3E									11	
KOR	CRMS	6350.000	17	12	0446	0446	23.8		KRE	BC		A3E									6	
J	TOKYO	6350.030	25	10	0753				KOR	BC		A3E	127	E	09	37	N	22	283	B		
J	TOKYO	6350.030	09	11	0424				KOR	BC		A3E	127	E	13	37	N	15	283	A		
J	TOKYO	6350.030	24	11	2356				KOR	BC		A3E	127	E	02	37	N	27	285	B		
J	TOKYO	6355.000	27	12	0427				KRE				126	E	21	40	N	12	297	A		
J	TOKYO	6355.030	19	10	1016					BC		A3E							292	C		
J	TOKYO	6355.030	21	12	0603				KOR	BC		A3E	127	E	00	37	N	30	284	B		
I	ROMA	6358.500	28	10	1620	1620	28.0	PBB	HOL	FC	1K00E	F1B										75 BD
RUS	BELGOROD	6358.500	06	12	0616	0620	49.7		D		1K00	F1B	006	E	16	51	N	23				
I	ROMA	6358.600	07	11	2311	2312	45.0	PBB	HOL	FC	900HE	F1B										75 BAUD SHIFT 850
RUS	BELGOROD	6367.300	06	12	0609	0616	45.4		F		1K10	F1B	005	E	54	43	N	08				
KOR	CRMS	6370.000	02	10	1521	1521	24.8		CHN	BC		A3E									11	
RUS	SAMARA	6370.000	06	12	1100	1130	21.0		CHN	BC	10K0	A3E	121	E	03	28	N	08	91		11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	MOROZOVSK	6370.000	06	12	1800	1815	8.0		CHN	BC	3K00	A3E	121	E	09	23	N	53	81	C	11	
RUS	SAMARA	6370.000	07	12	1100	1125	98.0		CHN	BC	10K0	A3E	112	E	47	32	N	53	86			
J	TOKYO	6370.110	19	10	1017			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6370.110	24	11	2359			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6370.110	02	12	1018			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	6374.000	01	12	0600	0610	35.7		INS	MS	2K70E	J3E										Indonesian Language-LSB
INS	MSPA-SAMARINDA	6377.000	01	12	0625	0630	11.1		INS	MS	2K70E	J3E										Ethnic Language -USB
J	TOKYO	6378.000	19	10	1018			TP4C				A1A	123	E	38	42	N	00	302	A		
J	TOKYO	6378.000	16	11	0139			TP4C				A1A	124	E	03	41	N	26	299	B		
J	TOKYO	6378.000	25	11	0001			TP4C				A1A	123	E	34	42	N	02	302	A		
J	TOKYO	6378.000	09	12	0757			TP4C				A1A	123	E	06	41	N	48	300	B		
J	TOKYO	6378.000	27	12	0431			TP4C				A1A	124	E	24	40	N	48	297	B		
INS	MSPA-SAMARINDA	6381.000	01	12	0820	0825	39.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE - LSB
J	TOKYO	6407.400	12	10	0019				CHN			J2D	118	E	55	35	N	41	276	B		
RUS	BELGOROD	6407.800	06	12	0558	0603	50.5		F		2K70		004	W	29	48	N	23				
RUS	BELGOROD	6414.500	06	12	0754	0800	52.9		G		2K80		002	W	37	55	N	56				
INS	MSPA-SAMARINDA	6437.000	01	12	0825	0830	30.6		INS	MS	2K70E	J3E										Ethnic Language -USB
RUS	BELGOROD	6441.000	06	12	0627	0631	53.5		F		2K70		004	W	29	48	N	23				
RUS	BELGOROD	6458.000	03	12	0543	0546	38.8		E		2K50		006	W	00	40	N	21				
J	TOKYO	6460.200	02	12	1021				AUS				130	E	53	12	S	59	192	B		
RUS	BELGOROD	6461.000	03	12	0546	0552	47.0		POR		2K50		009	W	12	38	N	44				
RUS	BELGOROD	6475.000	03	12	0551	0556	60.5		GRC		2K60		023	E	45	37	N	53				
RUS	BELGOROD	6493.450	03	12	0556	0606	42.8		E		3K10		005	W	41	38	N	18				
J	TOKYO	6499.400	12	10	0024				CHN			J2D	122	E	04	37	N	20	282	B		
RUS	BELGOROD	6499.900	03	12	0606	0612	47.9		G		2K90		000	E	17	50	N	47				
RUS	S. PETERSBURG	6500.000	03	12	0805	0820	12.0		HOL	FX		G1D	005	E	31	52	N	59	253	B		
J	TOKYO	6519.970	12	10	0027				KOR	BC		A3E	127	E	05	37	N	39	285	B		
J	TOKYO	6519.970	02	12	1022					BC		A3E										
J	TOKYO	6520.000	12	10	0027				KRE				125	E	30	38	N	41	289	B		
KOR	CRMS	6520.000	12	10	0413	0413	23.8		KRE	BC		A3E									11	
KOR	CRMS	6520.000	12	11	0633	0633	31.0		KRE	BC	9K48E	A3E									11	
RUS	MOROZOVSK	6520.000	03	12	1630	1700	16.0		KOR	BC	3K00	A3E	127	E	54	36	N	50	65	C	11	
KOR	CRMS	6520.000	20	12	0012	0012	29.8		KRE	BC		A3E									11	
G	BALDOCK	6520.000	25	12	2204			VOICE OF THE PEOPLE	KRE	FX		A3E							41	C		INCHON TX SITE
J	TOKYO	6543.000	19	10	1029			CV4K				A1A							278	B		
J	TOKYO	6569.000	25	11	0010				CHN			J3E	118	E	44	26	N	24	250	A		
J	TOKYO	6593.300	09	12	0807				KRE				125	E	48	38	N	33	289	B		
J	TOKYO	6599.790	21	12	0606				KRE				126	E	28	39	N	44	295	B		
KOR	CRMS	6600.000	03	10	0028	0028	53.7		KRE	BC	9K29E	A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	6600.000	12	10	0034				KRE				125	E	35	39	N	25	292	A		
KOR	CRMS	6600.000	15	11	0016	0016	33.7		KRE	BC		A3E									11	
J	TOKYO	6600.000	16	11	0143			V.O. PEOPLE		BC		A3E	127	E	19	37	N	22	283	A		
J	TOKYO	6600.000	25	11	0013				KOR	BC		A3E	127	E	00	37	N	30	283	B		
J	TOKYO	6600.000	02	12	1024					BC		A3E										
RUS	MOROZOVSK	6600.000	03	12	1700	1730	13.0		KOR	BC	3K00	A3E	127	E	09	37	N	06	66	C	11	
G	BALDOCK	6600.000	25	12	2205			?	NOR	FX		G1D							34	C		2400 BD STANAG 4285
KOR	CRMS	6600.000	30	12	0012	0012	44.5		KRE	BC		A3E									3	
I	ROMA	6604.000	28	11	1855	1900	13.0	GANDER VOLMET	CAN	FA	2K70E	J3E										
RUS	BELGOROD	6607.000	03	12	0540	0542	37.1	4XZ	ISR		130H	A1A	034	E	54	32	N	28				
I	ROMA	6617.000	29	11	1508	1508	17.0	VOLMET		FD	2K70E	J3E										RUSSIAN LANGUAGE
G	BALDOCK	6617.000	17	12	1500			ROSTOV-NA-DONU VOLMET	RUS	FD		J3E							82	B		VOLMET
I	ROMA	6622.000	29	11	1511	1523	14.0	SHANWICK RADIO	IRL	AL	2K70E	J3E							317	C		AIR TRAFFIC
RUS	BELGOROD	6645.000	03	12	0612	0618	26.0		TUR		3K00		042	E	38	37	N	40				
J	TOKYO	6650.510	12	10	0036				CHN			A1A	119	E	22	36	N	09	278	B		
J	TOKYO	6655.000	02	12	1028			SAN FRANCISCO		FA		J3E										
I	ROMA	6661.000	29	11	2128	2133	7.0	MUMBAI RADIO	IND	FA	2K70E	J3E										AIR TRAFFIC
RUS	BELGOROD	6665.000	02	12	0607	0639	37.3		E		2K70	J3E	001	W	54	40	N	55				
I	ROMA	6665.000	17	12	1526	1529	31.0	INTRUDERS LSB		FX	2K70E	J3E									3	IKARUS SSTV
I	ROMA	6665.000	20	12	1055	1100	48.0	INTRUDERS LSB	F		3K10E	J3E							315	A	3	IKARUS SSTV
J	TOKYO	6666.650	02	12	1030							A1A										
I	ROMA	6670.000	20	12	1100	1103	26.0	INTRUDERS LSB	F		3K10E	J3E							312	B	3	DANIEL
I	ROMA	6675.000	05	10	1358	1411	33.0	INTRUDERS LSB	F	FX	2K70E	J3E									3	Fre
I	ROMA	6675.000	05	10	1358	1411	25.0	INTRUDERS LSB	GRC	FX	2K70E	J3E									3	Grc
I	ROMA	6675.000	05	10	1516	1519	17.0	PIRATE LSB	GRC	FX	2K70E	J3E							100	C	3	
I	ROMA	6676.000	29	11	2050	2054	7.0	SINGAPORE VOLMET	SNG	FA	2K70E	J3E										
I	ROMA	6676.000	29	11	2110	2114	12.0	VOLMET BANGKOK	THA	FA	2K70E	J3E										
J	TOKYO	6676.000	02	12	1032			AUSTRALIA				J3E							185	B		
J	TOKYO	6676.000	09	12	0900							F1B							87	C		
I	ROMA	6710.000	05	10	1513	1514	30.0	INTRUDERS LSB	GRC		3K10E	J3E							107	C	3	
G	BALDOCK	6719.000	25	12	2212			RUSSIAN PULSE	RUS	LR		P0N							70	A		PENZA
INS	MSPA-SAMARINDA	6720.000	29	11	0021	0023	45.3				1K00E	A1A										MORSE
RUS	BELGOROD	6732.000	02	12	0722	0727	30.2		G	FG	1K20	F1B	001	W	21	52	N	58				
INS	MSPA-SAMARINDA	6765.000	29	11	0032	0034	48.6	BANGKOK METEOROLOGICAL RADIO	THA	FD	2K70E	J3E										
RUS	BELGOROD	6765.000	02	12	0550	0558	35.7		D		2K90		009	E	38	53	N	41				
RUS	SMOLENSK	6765.000	02	12	0830	0930	19.0		D	FX	2K99	J7D	007	E	37	52	N	59	284	B		
RUS	S. PETERSBURG	6765.000	02	12	1105	1125	14.0		D	FX		G1D	009	E	52	53	N	31	248	B		
J	TOKYO	6765.100	19	10	1035			BANGKOK METEOROLOGIC				J3E							248	A		
J	TOKYO	6765.100	02	12	1036			BANGKOK METEOROLOGIC				J3E								A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	6767.000	27	12	0440				RUS			F1B	158	E	16	53	N	13	30	B		
J	TOKYO	6768.880	25	10	0757				RUS				131	E	40	43	N	20	321	B		
J	TOKYO	6772.000	05	10	0146				CHN			A1A	125	E	25	43	N	45	310	B		
RUS	BELGOROD	6775.000	02	12	0558	0607	21.6		EGY		3K00		030	E	14	30	N	39				
J	TOKYO	6788.900	25	11	0020							F1B							322	B		
J	TOKYO	6788.990	05	10	0150				RUS			F1B	132	E	39	42	N	53	322	B		
J	TOKYO	6789.000	12	10	0041				RUS			F1B	132	E	44	42	N	58	323	B		
J	TOKYO	6789.000	25	10	0758				RUS			F1B	132	E	09	43	N	09	323	B		
J	TOKYO	6789.000	09	11	0436				RUS			F1B	132	E	02	43	N	13	322	A		
J	TOKYO	6789.000	16	11	0148				RUS			F1B	132	E	50	42	N	56	323	B		
J	TOKYO	6789.000	02	12	1038				RUS			F1B	132	E	40	43	N	00	324	A		
J	TOKYO	6789.000	21	12	0611				RUS			F1B	132	E	57	42	N	55	324	B		
J	TOKYO	6789.000	27	12	0443				RUS			F1B	132	E	54	43	N	02	324	A		
J	TOKYO	6793.000	25	11	0022				CHN			A1A	116	E	25	40	N	20	290	A		
G	BALDOCK	6807.000	25	12	2215			?	CYP	FX		G1D							113	B		2400 BD STANAG4285
J	TOKYO	6810.000	02	12	1041				CHN				115	E	54	23	N	03	246	A		
J	TOKYO	6820.220	21	12	0612				RUS				133	E	23	42	N	47	325	B		
J	TOKYO	6822.000	27	12	0450				RUS			A1A	133	E	25	42	N	56	325	A		
J	TOKYO	6825.000	25	11	0028				CHN				117	E	25	24	N	14	246	A		
I	ROMA	6826.000	03	12	1346	1351	6.0	STATION NUMBER		FX	100HE	A1A										
I	ROMA	6841.000	05	10	1358	1411	7.0			FX	300HE	F1B										FSK
I	ROMA	6841.000	05	10	1407	1408	22.0	TWO MALES VOICES		FX	2K70E	J3E										
I	ROMA	6849.000	11	11	1900	1903	36.0	STATION NUMBER		FX	3K10E	J3E										
J	TOKYO	6850.120	19	10	1037			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	6850.500	26	11	2310	2314	43.6	SOH Xi Wang Zhi Sheng		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	6865.000	12	10	0043				CHN	BC		A3E	107	E	38	33	N	43	275	B		
J	TOKYO	6865.000	19	10	1042			CHINA N.R.		BC		A3E	109	E	06	19	N	20	248	A	11	
KOR	CRMS	6865.000	18	11	0118	0118	6.4		CHN	BC		A3E									11	
J	TOKYO	6865.000	25	11	0029			CHINA N.R.		BC		A3E	108	E	49	34	N	18	277	A	11	
RUS	BELGOROD	6865.000	01	12	1144	1148	61.3		CHN	BC	7K40	A3E	109	E	09	18	N	23			11	
J	TOKYO	6865.000	02	12	1041			CHINA N.R.		BC		A3E	087	E	27	43	N	34	297	A	11	
G	BALDOCK	6865.000	25	12	2219			SOH XI WANG ZHI SHENG	CHN	BC		A3E							62	C		
J	TOKYO	6865.100	25	10	0809			SOUND OF HOPE		BC		A3E	121	E	09	23	N	48	240	B	11	TAIWAN
J	TOKYO	6865.110	12	10	0044			SOUND OF HOPE		BC		A3E	120	E	43	23	N	03	239	B	11	TAIWAN
J	TOKYO	6865.110	21	12	0615			SOUND OF HOPE		BC		A3E	120	E	29	23	N	29	240	B	11	TAIWAN
J	TOKYO	6868.000	05	10	0155			HLW2		FC		A1A										
I	ROMA	6876.000	05	10	1358	1411	24.0			FX	300HE	F1B										FSK
RUS	BELGOROD	6895.000	01	12	0630	0633	47.6		F		2K80		004	W	29	48	N	23				
RUS	SMOLENSK	6895.000	01	12	0630	0730	26.0		HOL	FX	2K99	G1D	004	E	21	52	N	25	279	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	S. PETERSBURG	6895.000	01	12	0900	0930	20.0		HOL	FX		G1D	004	E	44	51	N	48	231	B		
J	TOKYO	6899.990	19	10	1049			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	6900.000	01	10	1220	1220	29.7		CHN	BC		A3E									11	
J	TOKYO	6900.000	25	10	0810			SOUND OF HOPE		BC		A3E	121	E	29	24	N	28	241	B	11	TAIWAN
INS	MSPA-SAMARINDA	6900.000	26	11	2318	2322	42.5	SOH Xi Wang Zhi Sheng		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	6900.010	02	12	1042			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6916.000	12	10	0049				RUS			J2D	131	E	54	43	N	06	321	A		
J	TOKYO	6935.000	25	11	0039				RUS				133	E	14	42	N	56	325	B		
J	TOKYO	6935.000	02	12	1044														244	B		
J	TOKYO	6938.210	21	12	0616				RUS				133	E	35	42	N	55	326	B		
J	TOKYO	6942.000	12	10	0051				CHN			A1A	119	E	42	36	N	07	278	B		
RUS	BELGOROD	6944.600	01	12	0819	0827	39.4		GRC		2K80		025	E	09	35	N	19				
RUS	BELGOROD	6966.000	01	12	0827	0839	52.5		UKR		2K90		030	E	33	46	N	18				
J	TOKYO	6969.000	25	11	0035			RKF83				A1A										
J	TOKYO	6969.000	25	11	0035			RGK39				A1A										
KOR	CRMS	6970.000	02	10	1522	1522	32.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	6970.000	26	11	2336	2338	41.6	SOH Xi Wang Zhi Sheng		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	6970.100	25	10	0811			SOUND OF HOPE		BC		A3E	121	E	06	23	N	50	240	B	11	TAIWAN
J	TOKYO	6970.100	25	11	0038			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6970.100	02	12	1045			SOUND OF HOPE		BC		A3E									11	
RUS	BELGOROD	6983.000	01	12	0624	0626	45.7		GEO		120H	A1A	043	E	43	41	N	58				
INS	MSPA-SAMARINDA	6990.000	26	11	2338	2339	44.8		INS	AT	2K70E	J3E										
INS	MSPA-SAMARINDA	6995.000	26	11	2339	2340	45.7		INS	AT	2K70E	J3E										
INS	MSPA-SAMARINDA	7000.000	26	11	2340	2343	44.9		INS	AT	2K70E	J3E										
INS	MSPA-SAMARINDA	7005.000	26	11	2343	2345	43.8		INS	AT	2K70E	J3E										
I	ROMA	7007.000	04	10	1610	1611		DL1***	D	AT	100HE	A1A										
I	ROMA	7007.000	26	10	1402	1403	22.0	LZ1**	BUL	AT	100HE	A1A										
INS	MSPA-SAMARINDA	7009.000	26	11	2345	2350	44.4		INS	AT	2K70E	J3E										
RUS	BELGOROD	7015.000	01	12	0607	0613	57.8	UX8IX	UKR	AT	50H0	A1A	037	E	32	47	N	07				
RUS	BELGOROD	7016.000	01	12	1238	1239	46.2	UT2IY	UKR	AT	100H	A1A	037	E	32	47	N	36				
I	ROMA	7019.900	26	10	1403	1409	17.0	HB9**	SUI	AT	100HE	A1A										
INS	MSPA-SAMARINDA	7020.000	26	11	2350	2353	44.2		INS	AT	2K70E	J3E										
RUS	BELGOROD	7022.000	01	12	0605	0607	50.4	LZ2DD	BUL	AT	100H	A1A	023	E	20	42	N	40				
INS	MSPA-SAMARINDA	7030.000	26	11	2353	2355	45.1		INS	AT	2K70E	J3E										
I	ROMA	7032.000	05	10	1519	1528	16.0	F6***	F	AT	100HE	A1A										
INS	MSPA-SAMARINDA	7035.000	26	11	2355	2357	44.3		INS	AT	2K70E	J3E										
J	TOKYO	7039.400	12	10	0055			M				A1A	140	E	27	51	N	55	0	B		
J	TOKYO	7039.400	19	10	1053			M				A1A							2	B		
J	TOKYO	7039.400	25	11	0040			K				A1A										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	7039.400	02	12	1052			M				A1A										
INS	MSPA-SAMARINDA	7040.000	26	11	2357	2358	45.7		INS	AT	2K70E	J3E										
I	ROMA	7041.600	05	10	1529	1531	34.0	HB9***	SUI	AT	300HE	F1B										RTTY 45 BAUD
INS	MSPA-SAMARINDA	7050.000	26	11	2358	2400	45.4		INS	AT	2K70E	J3E										KEDIRI
RUS	BELGOROD	7050.000	01	12	0750	0753	38.6		UKR	AT	2K70	J3E	031	E	47	48	N	42			11	
J	TOKYO	7053.990	19	10	1055				RUS			F1B	132	E	10	43	N	36	323	A		
J	TOKYO	7054.000	02	12	1054				RUS			F1B	132	E	48	42	N	50	323	A		
INS	MSPA-SAMARINDA	7055.000	25	11	0025	0027	43.3		INS	AT	2K70E	J3E										Bandung and Masamba
INS	MSPA-SAMARINDA	7060.000	25	11	0025	0027	44.1		INS	AT	2K70E	J3E										Bandung and Masamba
INS	MSPA-SAMARINDA	7065.000	25	11	0027	0030	45.5		INS	AT	2K70E	J3E										UJUNG PANDANG DAN MANADO
RUS	NYAGAN	7074.000	30	11			21.0	DF8TS	D	AT	50H0	F1B	011	E	00	49	N	30	272	A		
RUS	NYAGAN	7074.100	30	11			13.0	OH2CJB	FIN	AT	52H0	F1B	025	E	00	60	N	30	283	A		
RUS	NYAGAN	7074.200	30	11			11.0	EU1AEX	BLR	AT	51H0	F1B	027	E	00	53	N	30	264	A		
RUS	NYAGAN	7074.200	30	11			28.0	DG9FFM	D	AT	52H0	F1B	009	E	00	49	N	30	274	A		
RUS	NYAGAN	7074.200	30	11			9.0	F6ENV	F	AT	52H0	F1B	005	E	00	43	N	30	270	A		
RUS	VERHNEYE DUBROVO	7074.200	30	11			25.0	F6ENV	F	AT	50H0	F1B	005	E	00	43	N	30	274	A		
RUS	NYAGAN	7074.200	30	11			19.0	OH1NHX	FIN	AT	50H0	F1B	021	E	00	61	N	30	288	A		
RUS	NYAGAN	7074.200	30	11			7.0	G4DZE	G	AT	50H0	F1B	001	W	00	52	N	30	284	A		
RUS	NYAGAN	7074.200	30	11			11.0	IU8BPS	I	AT	51H0	F1B	015	E	00	40	N	30	258	A		
RUS	VERHNEYE DUBROVO	7074.200	30	11			27.0	IU8BPS	I	AT	52H0	F1B	015	E	00	40	N	30	261	A		
RUS	VERHNEYE DUBROVO	7074.200	30	11			18.0	SP9YFF	POL	AT	51H0	F1B	019	E	00	50	N	30	274	A		
RUS	NYAGAN	7074.200	30	11			15.0	YU4VIK	SRB	AT	50H0	F1B	021	E	00	44	N	30	256	A		
RUS	NYAGAN	7074.300	30	11			21.0	ON7XT	BEL	AT	50H0	F1B	003	E	00	50	N	30	280	A		
RUS	NYAGAN	7074.300	30	11			17.0	DL2ZJA	D	AT	51H0	F1B	011	E	00	54	N	30	280	A		
RUS	NYAGAN	7074.300	30	11			25.0	DK8ZZ	D	AT	50H0	F1B	007	E	00	50	N	30	277	A		
RUS	VERHNEYE DUBROVO	7074.300	30	11			27.0	F5PBG	F	AT	50H0	F1B	005	W	00	48	N	30	281	A		
RUS	NYAGAN	7074.300	30	11			9.0	2E0WPM	G	AT	50H0	F1B	001	W	00	51	N	30	283	A		
RUS	VERHNEYE DUBROVO	7074.300	30	11			16.0	MW0USK	G	AT	50H0	F1B	003	W	00	51	N	30	286	A		
RUS	VERHNEYE DUBROVO	7074.300	30	11			18.0	JH2WDT	J	AT	50H0	F1B	137	E	00	35	N	30	79	A		
RUS	NYAGAN	7074.400	30	11			15.0	BD4STG	CHN	AT	50H0	F1B	119	E	00	31	N	30	106	A		
RUS	VERHNEYE DUBROVO	7074.400	30	11			14.0	DL3EBJ	D	AT	52H0	F1B	007	E	00	51	N	30	284	A		
RUS	NYAGAN	7074.400	30	11			32.0	DL6CNG	D	AT	50H0	F1B	011	E	00	51	N	30	275	A		
RUS	VERHNEYE DUBROVO	7074.400	30	11			31.0	F5UJQ	F	AT	51H0	F1B	001	W	00	44	N	30	278	A		
RUS	NYAGAN	7074.400	30	11			19.0	OH3OJ	FIN	AT	52H0	F1B	025	E	00	60	N	30	283	A		
RUS	NYAGAN	7074.400	30	11			21.0	HA7IQ	HNG	AT	52H0	F1B	019	E	00	47	N	30	262	A		
RUS	VERHNEYE DUBROVO	7074.400	30	11			16.0	HA8RC	HNG	AT	50H0	F1B	019	E	00	46	N	30	266	A		
RUS	NYAGAN	7074.500	30	11			13.0	BD4SUH	CHN	AT	52H0	F1B	119	E	00	31	N	30	106	A		
RUS	NYAGAN	7074.500	30	11			9.0	DK7SM	D	AT	51H0	F1B	011	E	00	48	N	30	271	A		
RUS	VERHNEYE DUBROVO	7074.500	30	11			19.0	EA3ICF	E	AT	50H0	F1B	003	E	00	41	N	30	273	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	VERHNEYE DUBROVO	7074.500	30	11			18.0	ES1BH	EST	AT	51H0	F1B	025	E	00	59	N	30	293	A		
RUS	NYAGAN	7074.500	30	11			15.0	MW0USK	G	AT	52H0	F1B	003	W	00	51	N	30	281	A		
RUS	VERHNEYE DUBROVO	7074.500	30	11			15.0	9A2KS	HRV	AT	51H0	F1B	013	E	00	45	N	30	270	A		
RUS	NYAGAN	7074.500	30	11			15.0	9A2KS	HRV	AT	51H0	F1B	013	E	00	45	N	30	265	A		
RUS	VERHNEYE DUBROVO	7074.500	30	11			19.0	Z32BM	MKD	AT	50H0	F1B	021	E	00	41	N	30	257	A		
RUS	NYAGAN	7074.600	30	11			7.0	OE3PBS	AUT	AT	52H0	F1B	017	E	00	47	N	30	264	A		
RUS	VERHNEYE DUBROVO	7074.600	30	11			24.0	OE3UKW	AUT	AT	52H0	F1B	017	E	00	48	N	30	272	A		
RUS	NYAGAN	7074.600	30	11			21.0	ON7CN	BEL	AT	50H0	F1B	003	E	00	51	N	30	281	A		
RUS	NYAGAN	7074.600	30	11			17.0	ON6IG	BEL	AT	50H0	F1B	003	E	00	51	N	30	281	A		
RUS	VERHNEYE DUBROVO	7074.600	30	11			25.0	BG2EFX	CHN	AT	51H0	F1B	125	E	00	46	N	30	77	A		
RUS	VERHNEYE DUBROVO	7074.600	30	11			18.0	DG1ELG	D	AT	51H0	F1B	007	E	00	51	N	30	284	A		
RUS	NYAGAN	7074.600	30	11			17.0	DG1ELG	D	AT	50H0	F1B	007	E	00	51	N	30	278	A		
RUS	NYAGAN	7074.600	30	11			13.0	EA8AP	E	AT	52H0	F1B	017	W	00	28	N	30	246	A		
RUS	VERHNEYE DUBROVO	7074.600	30	11			22.0	F1TRF	F	AT	52H0	F1B	007	E	00	49	N	30	281	A		
RUS	VERHNEYE DUBROVO	7074.600	30	11			19.0	F4ITM	F	AT	51H0	F1B	003	E	00	43	N	30	275	A		
RUS	NYAGAN	7074.600	30	11			11.0	G6NWF	G	AT	51H0	F1B	003	W	00	51	N	30	281	A		
RUS	NYAGAN	7074.600	30	11			15.0	MM7IEF	G	AT	50H0	F1B	005	W	00	55	N	30	286	A		
RUS	VERHNEYE DUBROVO	7074.600	30	11			24.0	SV2SDJ	GRC	AT	52H0	F1B	023	E	00	40	N	30	253	A		
RUS	NYAGAN	7074.600	30	11			19.0	PA3GXF	HOL	AT	52H0	F1B	005	E	00	51	N	30	280	A		
RUS	NYAGAN	7074.600	30	11			9.0	IU1FIG	I	AT	50H0	F1B	009	E	00	44	N	30	268	A		
RUS	NYAGAN	7074.600	30	11			13.0	YE4FPE	INS	AT	50H0	F1B	107	E	00	03	S	30	134	A		
RUS	NYAGAN	7074.600	30	11			0.0	TA2EE	TUR	AT	52H0	F1B	033	E	00	39	N	30	236	A		
RUS	NYAGAN	7074.700	30	11			11.0	DL9KV	D	AT	51H0	F1B	007	E	00	51	N	30	278	A		
RUS	NYAGAN	7074.700	30	11			7.0	F1TRF	F	AT	50H0	F1B	007	E	00	49	N	30	276	A		
RUS	NYAGAN	7074.700	30	11			17.0	F6ARS	F	AT	51H0	F1B	007	E	00	48	N	30	274	A		
RUS	NYAGAN	7074.700	30	11			15.0	OH3BKR	FIN	AT	51H0	F1B	023	E	00	60	N	30	285	A		
RUS	VERHNEYE DUBROVO	7074.700	30	11			16.0	MN0JQS	G	AT	51H0	F1B	007	W	00	54	N	30	289	A		
RUS	NYAGAN	7074.700	30	11			5.0	M6JVJ	G	AT	52H0	F1B	003	W	00	53	N	30	284	A		
RUS	VERHNEYE DUBROVO	7074.700	30	11			21.0	G4KIV	G	AT	50H0	F1B	001	W	00	54	N	30	292	A		
RUS	VERHNEYE DUBROVO	7074.700	30	11			27.0	I0PYP	I	AT	50H0	F1B	013	E	00	43	N	30	267	A		
RUS	NYAGAN	7074.700	30	11			17.0	ER1TAW	MDA	AT	52H0	F1B	029	E	00	47	N	30	251	A		
RUS	NYAGAN	7074.700	30	11			21.0	LA9UDA	NOR	AT	52H0	F1B	011	E	00	59	N	30	289	A		
RUS	VERHNEYE DUBROVO	7074.700	30	11			25.0	AP2MKS	PAK	AT	50H0	F1B	073	E	00	33	N	30	156	A		
RUS	NYAGAN	7074.700	30	11			3.0	OM0MR	SVK	AT	52H0	F1B	021	E	00	49	N	30	263	A		
RUS	VERHNEYE DUBROVO	7074.800	30	11			16.0	BG7PHA	CHN	AT	51H0	F1B	115	E	00	22	N	30	108	A		
RUS	VERHNEYE DUBROVO	7074.800	30	11			21.0	EC6DX	E	AT	52H0	F1B	005	E	00	39	N	30	269	A		
RUS	VERHNEYE DUBROVO	7074.800	30	11			19.0	F5IQC	F	AT	52H0	F1B	001	W	00	45	N	30	279	A		
RUS	NYAGAN	7074.800	30	11			21.0	F5MNV	F	AT	52H0	F1B	007	E	00	43	N	30	269	A		
RUS	NYAGAN	7074.800	30	11			7.0	G7IJI	G	AT	50H0	F1B	001	W	00	52	N	30	284	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	VERHNEYE DUBROVO	7074.800	30	11			18.0	I1YGQ	I	AT	51H0	F1B	007	E	00	44	N	30	274	A		
RUS	VERHNEYE DUBROVO	7074.800	30	11			33.0	IU4IQR	I	AT	51H0	F1B	011	E	00	44	N	30	270	A		
RUS	NYAGAN	7074.800	30	11			13.0	IU4IQR	I	AT	50H0	F1B	011	E	00	44	N	30	266	A		
RUS	NYAGAN	7074.800	30	11			21.0	YC1KQV	INS	AT	51H0	F1B	109	E	00	08	S	30	130	A		
RUS	NYAGAN	7074.800	30	11			25.0	EX8ABG	KGZ	AT	51H0	F1B	075	E	00	42	N	30	159	A		
RUS	NYAGAN	7074.900	30	11			9.0	DM2CNE	D	AT	50H0	F1B	015	E	00	53	N	30	275	A		
RUS	VERHNEYE DUBROVO	7074.900	30	11			21.0	EA5OL	E	AT	52H0	F1B	001	W	00	39	N	30	272	A		
RUS	VERHNEYE DUBROVO	7074.900	30	11			24.0	F4FSY	F	AT	50H0	F1B	005	E	00	45	N	30	276	A		
RUS	NYAGAN	7074.900	30	11			9.0	OH9CGC	FIN	AT	51H0	F1B	023	E	00	62	N	30	290	A		
RUS	VERHNEYE DUBROVO	7074.900	30	11			24.0	HA1BF	HNG	AT	51H0	F1B	017	E	00	46	N	30	268	A		
RUS	NYAGAN	7074.900	30	11			9.0	IU0KNS	I	AT	52H0	F1B	013	E	00	42	N	30	262	A		
RUS	NYAGAN	7074.900	30	11			13.0	IU7HDD	I	AT	52H0	F1B	017	E	00	41	N	30	257	A		
RUS	NYAGAN	7074.900	30	11			28.0	HS2KYA	THA	AT	50H0	F1B	103	E	00	12	N	30	134	A		
RUS	NYAGAN	7074.900	30	11			15.0	TA1MR	TUR	AT	50H0	F1B	029	E	00	41	N	30	243	A		
RUS	VERHNEYE DUBROVO	7074.900	30	11			22.0	TA6U	TUR	AT	52H0	F1B	037	E	00	41	N	30	236	A		
RUS	NYAGAN	7074.900	30	11	1156	1157	23.0	YB4KAR	INS	AT	50H0	F1B	105	E	00	05	S	30	134	A		
INS	MSPA-SAMARINDA	7075.000	25	11	0030	0033	43.9		INS	AT	2K70E	J3E										MALANG
RUS	NYAGAN	7075.000	30	11			17.0	OE1HNA	AUT	AT	50H0	F1B	017	E	00	48	N	30	266	A		
RUS	NYAGAN	7075.000	30	11			11.0	OK7TB	CZE	AT	51H0	F1B	015	E	00	50	N	30	270	A		
RUS	NYAGAN	7075.000	30	11			15.0	DD6ZJ	D	AT	50H0	F1B	013	E	00	52	N	30	275	A		
RUS	NYAGAN	7075.000	30	11			15.0	DG5LP	D	AT	51H0	F1B	009	E	00	48	N	30	273	A		
RUS	NYAGAN	7075.000	30	11			13.0	F4BAL	F	AT	52H0	F1B	003	E	00	50	N	30	280	A		
RUS	NYAGAN	7075.000	30	11			7.0	HG8LXL	HNG	AT	51H0	F1B	021	E	00	46	N	30	259	A		
RUS	NYAGAN	7075.000	30	11			17.0	IV3DBT	I	AT	51H0	F1B	013	E	00	46	N	30	267	A		
RUS	VERHNEYE DUBROVO	7075.000	30	11			24.0	IT9ACJ	I	AT	50H0	F1B	015	E	00	37	N	30	258	A		
RUS	NYAGAN	7075.000	30	11			13.0	IZ1TML	I	AT	52H0	F1B	007	E	00	45	N	30	271	A		
RUS	VERHNEYE DUBROVO	7075.000	30	11			21.0	YD6HSK	INS	AT	51H0	F1B	099	E	00	02	N	30	136	A		
RUS	VERHNEYE DUBROVO	7075.000	30	11			21.0	UN7ZV	KAZ	AT	50H0	F1B	071	E	00	51	N	30	129	A		
RUS	NYAGAN	7075.000	30	11			23.0	UN7ZV	KAZ	AT	51H0	F1B	071	E	00	51	N	30	161	A		
RUS	NYAGAN	7075.000	30	11			28.0	SP1ZES	POL	AT	51H0	F1B	015	E	00	54	N	30	277	A		
RUS	VERHNEYE DUBROVO	7075.000	30	11			28.0	E74K	SRB	AT	51H0	F1B	019	E	00	45	N	30	265	A		
RUS	NYAGAN	7075.000	30	11			25.0	E74K	SRB	AT	50H0	F1B	019	E	00	45	N	30	260	A		
RUS	NYAGAN	7075.000	30	11			5.0	S53AK	SVN	AT	50H0	F1B	015	E	00	46	N	30	265	A		
RUS	VERHNEYE DUBROVO	7075.000	30	11	1210	1220	18.0	HG8LXL	HNG	AT	51H0	F1B	021	E	00	46	N	30	265	A		
RUS	NYAGAN	7075.100	30	11			3.0	EK1KE	ARM	AT	50H0	F1B	045	E	00	40	N	30	219	A		
RUS	NYAGAN	7075.100	30	11			15.0	4U1A	AUT	AT	50H0	F1B	017	E	00	48	N	30	266	A		
RUS	NYAGAN	7075.100	30	11			21.0	ON5ZZ	BEL	AT	52H0	F1B	003	E	00	51	N	30	281	A		
RUS	NYAGAN	7075.100	30	11			13.0	DG0CSG	D	AT	50H0	F1B	011	E	00	51	N	30	275	A		
RUS	NYAGAN	7075.100	30	11			11.0	DD6AJ	D	AT	52H0	F1B	013	E	00	52	N	30	275	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	VERHNEYE DUBROVO	7075.100	30	11			16.0	EA5RR	E	AT	50H0	F1B	001	W	00	38	N	30	271	A		
RUS	NYAGAN	7075.100	30	11			17.0	PA5COR	HOL	AT	50H0	F1B	005	E	00	53	N	30	283	A		
RUS	NYAGAN	7075.100	30	11			15.0	IT9ACJ	I	AT	52H0	F1B	015	E	00	37	N	30	255	A		
RUS	VERHNEYE DUBROVO	7075.100	30	11			25.0	ER1TAW	MDA	AT	51H0	F1B	029	E	00	47	N	30	258	A		
RUS	VERHNEYE DUBROVO	7075.100	30	11			28.0	SQ4OJD	POL	AT	50H0	F1B	021	E	00	53	N	30	279	A		
RUS	NYAGAN	7075.100	30	11			7.0	YO8BZO	ROU	AT	52H0	F1B	027	E	00	47	N	30	254	A		
RUS	NYAGAN	7075.100	30	11			9.0	YO8CLX	ROU	AT	51H0	F1B	027	E	00	46	N	30	252	A		
RUS	NYAGAN	7075.200	30	11			13.0	ON4JPV	BEL	AT	50H0	F1B	005	E	00	50	N	30	279	A		
RUS	NYAGAN	7075.200	30	11			9.0	EW6CM	BLR	AT	52H0	F1B	029	E	00	55	N	30	267	A		
RUS	NYAGAN	7075.200	30	11			7.0	LZ1LZ	BUL	AT	52H0	F1B	023	E	00	42	N	30	252	A		
RUS	NYAGAN	7075.200	30	11			3.0	LZ2QW	BUL	AT	52H0	F1B	025	E	00	42	N	30	249	A		
RUS	NYAGAN	7075.200	30	11			21.0	DG9BBC	D	AT	50H0	F1B	009	E	00	52	N	30	278	A		
RUS	NYAGAN	7075.200	30	11			30.0	DJ3JD	D	AT	51H0	F1B	011	E	00	52	N	30	277	A		
RUS	NYAGAN	7075.200	30	11			21.0	ES2DR	EST	AT	50H0	F1B	025	E	00	59	N	30	281	A		
RUS	VERHNEYE DUBROVO	7075.200	30	11			16.0	2E0RMB	G	AT	51H0	F1B	001	W	00	51	N	30	288	A		
RUS	NYAGAN	7075.200	30	11			15.0	G4KIV	G	AT	50H0	F1B	001	W	00	54	N	30	287	A		
RUS	NYAGAN	7075.200	30	11			13.0	2E0CVN	G	AT	52H0	F1B	003	W	00	50	N	30	280	A		
RUS	VERHNEYE DUBROVO	7075.200	30	11			24.0	IW0FEK	I	AT	51H0	F1B	013	E	00	41	N	30	265	A		
RUS	NYAGAN	7075.200	30	11			7.0	YC4MPA	INS	AT	51H0	F1B	103	E	00	04	S	30	137	A		
RUS	VERHNEYE DUBROVO	7075.200	30	11			16.0	JH8MZF	J	AT	52H0	F1B	143	E	00	45	N	30	66	A		
RUS	VERHNEYE DUBROVO	7075.200	30	11			21.0	SP5CR	POL	AT	52H0	F1B	021	E	00	52	N	30	277	A		
RUS	VERHNEYE DUBROVO	7075.200	30	11			18.0	SQ9UA	POL	AT	50H0	F1B	019	E	00	50	N	30	274	A		
RUS	NYAGAN	7075.200	30	11			21.0	SP7OMI	POL	AT	50H0	F1B	021	E	00	50	N	30	265	A		
RUS	NYAGAN	7075.200	30	11			17.0	SP8CHI	POL	AT	50H0	F1B	023	E	00	51	N	30	265	A		
RUS	NYAGAN	7075.200	30	11			3.0	YO7HYC	ROU	AT	51H0	F1B	025	E	00	45	N	30	253	A		
RUS	NYAGAN	7075.200	30	11			17.0	YO3ASC	ROU	AT	51H0	F1B	027	E	00	44	N	30	249	A		
RUS	NYAGAN	7075.200	30	11			13.0	YO9GSB	ROU	AT	51H0	F1B	027	E	00	45	N	30	251	A		
RUS	VERHNEYE DUBROVO	7075.200	30	11			28.0	UR8MB	UKR	AT	50H0	F1B	039	E	00	48	N	30	248	A		
RUS	NYAGAN	7075.300	30	11			13.0	BI4VNM	CHN	AT	51H0	F1B	121	E	00	31	N	30	104	A		
RUS	NYAGAN	7075.300	30	11			7.0	OK1ZCF	CZE	AT	50H0	F1B	017	E	00	50	N	30	269	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			16.0	EA3FN	E	AT	52H0	F1B	003	E	00	41	N	30	273	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			21.0	F1LNS	F	AT	52H0	F1B	003	E	00	50	N	30	285	A		
RUS	NYAGAN	7075.300	30	11			11.0	F5PIO	F	AT	52H0	F1B	003	E	00	49	N	30	279	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			22.0	M0WGI	G	AT	50H0	F1B	001	W	00	51	N	30	288	A		
RUS	NYAGAN	7075.300	30	11			17.0	HA1WQ	HNG	AT	50H0	F1B	017	E	00	47	N	30	264	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			18.0	IZ0IRH	I	AT	50H0	F1B	013	E	00	41	N	30	265	A		
RUS	NYAGAN	7075.300	30	11			17.0	IT9IVM	I	AT	52H0	F1B	013	E	00	37	N	30	257	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			18.0	IK0CHU	I	AT	52H0	F1B	013	E	00	42	N	30	266	A		
RUS	NYAGAN	7075.300	30	11			13.0	YB7VAS	INS	AT	52H0	F1B	117	E	00	01	S	30	124	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NYAGAN	7075.300	30	11			23.0	SQ5CZL	POL	AT	50H0	F1B	019	E	00	52	N	30	270	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			12.0	SP3BW	POL	AT	52H0	F1B	019	E	00	52	N	30	278	A		
RUS	NYAGAN	7075.300	30	11			13.0	SQ8KMP	POL	AT	50H0	F1B	023	E	00	51	N	30	265	A		
RUS	NYAGAN	7075.300	30	11			9.0	YO4EK	ROU	AT	52H0	F1B	029	E	00	44	N	30	247	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			22.0	YO9GSB	ROU	AT	51H0	F1B	027	E	00	45	N	30	257	A		
RUS	VERHNEYE DUBROVO	7075.300	30	11			40.0	SM5IMO	S	AT	51H0	F1B	015	E	00	59	N	30	296	A		
RUS	NYAGAN	7075.400	30	11			13.0	DL1NRC	D	AT	50H0	F1B	007	E	00	49	N	30	276	A		
RUS	NYAGAN	7075.400	30	11			13.0	OZ5KAJ	DNK	AT	52H0	F1B	009	E	00	56	N	30	285	A		
RUS	NYAGAN	7075.400	30	11			11.0	GI0KMX	G	AT	51H0	F1B	007	W	00	54	N	30	283	A		
RUS	VERHNEYE DUBROVO	7075.400	30	11			22.0	HA1ZW	HNG	AT	52H0	F1B	017	E	00	46	N	30	268	A		
RUS	NYAGAN	7075.400	30	11			3.0	PD5PW	HOL	AT	50H0	F1B	007	E	00	52	N	30	280	A		
RUS	VERHNEYE DUBROVO	7075.400	30	11			21.0	9A5FM	HRV	AT	52H0	F1B	017	E	00	45	N	30	267	A		
RUS	NYAGAN	7075.400	30	11			15.0	9A5FM	HRV	AT	52H0	F1B	017	E	00	45	N	30	262	A		
RUS	VERHNEYE DUBROVO	7075.400	30	11			28.0	IZ5UFW	I	AT	51H0	F1B	011	E	00	43	N	30	269	A		
RUS	NYAGAN	7075.400	30	11			13.0	IZ0PAP	I	AT	52H0	F1B	013	E	00	41	N	30	261	A		
RUS	NYAGAN	7075.400	30	11			17.0	YO4DG	ROU	AT	51H0	F1B	029	E	00	43	N	30	246	A		
RUS	VERHNEYE DUBROVO	7075.400	30	11			31.0	UW5EFR	UKR	AT	52H0	F1B	033	E	00	48	N	30	256	A		
RUS	NYAGAN	7075.500	30	11			23.0	BD0AS	CHN	AT	51H0	F1B	087	E	00	43	N	30	136	A		
RUS	NYAGAN	7075.500	30	11			17.0	DK9HS	D	AT	52H0	F1B	009	E	00	53	N	30	280	A		
RUS	NYAGAN	7075.500	30	11			15.0	DL9PA	D	AT	50H0	F1B	011	E	00	52	N	30	277	A		
RUS	VERHNEYE DUBROVO	7075.500	30	11			21.0	EA4T	E	AT	52H0	F1B	005	W	00	40	N	30	270	A		
RUS	NYAGAN	7075.500	30	11			17.0	HA1ZW	HNG	AT	50H0	F1B	017	E	00	46	N	30	259	A		
RUS	NYAGAN	7075.500	30	11			9.0	PA1PG	HOL	AT	51H0	F1B	007	E	00	53	N	30	281	A		
RUS	VERHNEYE DUBROVO	7075.500	30	11			22.0	9A7Y	HRV	AT	50H0	F1B	013	E	00	45	N	30	270	A		
RUS	VERHNEYE DUBROVO	7075.500	30	11			40.0	IK0JMT	I	AT	50H0	F1B	013	E	00	41	N	30	265	A		
RUS	VERHNEYE DUBROVO	7075.500	30	11			14.0	I0XNH	I	AT	51H0	F1B	013	E	00	42	N	30	266	A		
RUS	NYAGAN	7075.500	30	11			15.0	YB5FIR	INS	AT	50H0	F1B	101	E	00	02	S	30	140	A		
RUS	NYAGAN	7075.500	30	11			11.0	YF9FCO	INS	AT	52H0	F1B	115	E	00	09	S	30	123	A		
RUS	VERHNEYE DUBROVO	7075.500	30	11			21.0	YB8SCP	INS	AT	51H0	F1B	125	E	00	01	N	30	112	A		
RUS	NYAGAN	7075.500	30	11			11.0	YC1RDG	INS	AT	51H0	F1B	107	E	00	07	S	30	132	A		
RUS	NYAGAN	7075.500	30	11			9.0	SP9TBT	POL	AT	52H0	F1B	019	E	00	50	N	30	267	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			19.0	ON4JMV	BEL	AT	52H0	F1B	003	E	00	50	N	30	285	A		
RUS	NYAGAN	7075.600	30	11			17.0	DL5YAS	D	AT	50H0	F1B	007	E	00	51	N	30	278	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			19.0	OZ1DAE	DNK	AT	51H0	F1B	013	E	00	55	N	30	288	A		
RUS	NYAGAN	7075.600	30	11			9.0	OH2MKP	FIN	AT	50H0	F1B	025	E	00	60	N	30	283	A		
RUS	NYAGAN	7075.600	30	11			11.0	2I0NGM	G	AT	51H0	F1B	007	W	00	54	N	30	283	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			24.0	2E0INN	G	AT	51H0	F1B	003	W	00	53	N	30	289	A		
RUS	NYAGAN	7075.600	30	11			15.0	HA0NDN	HNG	AT	50H0	F1B	021	E	00	47	N	30	260	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			25.0	IW0HLZ	I	AT	52H0	F1B	013	E	00	41	N	30	265	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NYAGAN	7075.600	30	11			7.0	SP6SOZ	POL	AT	51H0	F1B	017	E	00	50	N	30	269	A		
RUS	NYAGAN	7075.600	30	11			9.0	YO8SGV	ROU	AT	50H0	F1B	027	E	00	47	N	30	254	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			25.0	YO8SGV	ROU	AT	50H0	F1B	027	E	00	47	N	30	261	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			18.0	S57AM	SVN	AT	50H0	F1B	013	E	00	46	N	30	272	A		
RUS	NYAGAN	7075.600	30	11			17.0	UX1IW	UKR	AT	51H0	F1B	037	E	00	47	N	30	241	A		
RUS	VERHNEYE DUBROVO	7075.600	30	11			22.0	UX1IW	UKR	AT	50H0	F1B	037	E	00	47	N	30	248	A		
RUS	NYAGAN	7075.700	30	11			9.0	DH8BAR	D	AT	52H0	F1B	009	E	00	53	N	30	280	A		
RUS	NYAGAN	7075.700	30	11			32.0	MI0UFT	G	AT	51H0	F1B	007	W	00	54	N	30	283	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			18.0	SV1QZY	GRC	AT	52H0	F1B	023	E	00	38	N	30	250	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			24.0	IK7JNM	I	AT	50H0	F1B	017	E	00	40	N	30	259	A		
RUS	NYAGAN	7075.700	30	11			15.0	IK7JNM	I	AT	51H0	F1B	017	E	00	40	N	30	256	A		
RUS	NYAGAN	7075.700	30	11			13.0	SQ2BNE	POL	AT	52H0	F1B	019	E	00	53	N	30	272	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			24.0	SP2HJN	POL	AT	52H0	F1B	019	E	00	54	N	30	283	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			16.0	SP5TER	POL	AT	50H0	F1B	021	E	00	52	N	30	277	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			21.0	E71EYC	SRB	AT	52H0	F1B	017	E	00	44	N	30	265	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			21.0	OM7JG	SVK	AT	50H0	F1B	019	E	00	48	N	30	270	A		
RUS	NYAGAN	7075.700	30	11			38.0	OM7JG	SVK	AT	51H0	F1B	017	E	00	47	N	30	264	A		
RUS	NYAGAN	7075.700	30	11			15.0	OM4RJ	SVK	AT	51H0	F1B	017	E	00	48	N	30	266	A		
RUS	VERHNEYE DUBROVO	7075.700	30	11			27.0	UT4VL	UKR	AT	52H0	F1B	031	E	00	48	N	30	258	A		
RUS	NYAGAN	7075.800	30	11			21.0	ON8BZ	BEL	AT	51H0	F1B	003	E	00	51	N	30	281	A		
RUS	NYAGAN	7075.800	30	11			21.0	OT6V	BEL	AT	52H0	F1B	005	E	00	51	N	30	280	A		
RUS	NYAGAN	7075.800	30	11			21.0	EA5FHC	E	AT	51H0	F1B	001	W	00	39	N	30	270	A		
RUS	NYAGAN	7075.800	30	11			13.0	MM0IYT	G	AT	51H0	F1B	005	W	00	55	N	30	286	A		
RUS	VERHNEYE DUBROVO	7075.800	30	11			22.0	SV2FPI	GRC	AT	52H0	F1B	023	E	00	40	N	30	253	A		
RUS	VERHNEYE DUBROVO	7075.800	30	11			22.0	IZ7NLJ	I	AT	50H0	F1B	017	E	00	41	N	30	261	A		
RUS	NYAGAN	7075.800	30	11			21.0	IZ2ODN	I	AT	52H0	F1B	011	E	00	45	N	30	267	A		
RUS	NYAGAN	7075.800	30	11			13.0	YD3SLS	INS	AT	51H0	F1B	113	E	00	08	S	30	125	A		
RUS	NYAGAN	7075.800	30	11			15.0	YB4JTB	INS	AT	51H0	F1B	105	E	00	04	S	30	135	A		
RUS	VERHNEYE DUBROVO	7075.800	30	11			24.0	JA5ROH	J	AT	50H0	F1B	133	E	00	33	N	30	84	A		
RUS	VERHNEYE DUBROVO	7075.800	30	11			28.0	CT1APP	POR	AT	51H0	F1B	007	W	00	37	N	30	265	A		
RUS	NYAGAN	7075.800	30	11			17.0	7S7RH	S	AT	50H0	F1B	015	E	00	56	N	30	281	A		
RUS	NYAGAN	7075.800	30	11			15.0	S51NO	SVN	AT	50H0	F1B	015	E	00	46	N	30	265	A		
RUS	NYAGAN	7075.800	30	11			25.0	UR5WBB	UKR	AT	51H0	F1B	025	E	00	49	N	30	259	A		
RUS	NYAGAN	7075.800	30	11			25.0	UR1CCT	UKR	AT	52H0	F1B	033	E	00	49	N	30	250	A		
RUS	VERHNEYE DUBROVO	7075.900	30	11			22.0	DJ6MK	D	AT	52H0	F1B	013	E	00	47	N	30	273	A		
RUS	VERHNEYE DUBROVO	7075.900	30	11			27.0	EC5T	E	AT	50H0	F1B	001	W	00	38	N	30	271	A		
RUS	VERHNEYE DUBROVO	7075.900	30	11			27.0	SV8NAJ	GRC	AT	51H0	F1B	021	E	00	37	N	30	251	A		
RUS	NYAGAN	7075.900	30	11			13.0	YU2TA	SRB	AT	51H0	F1B	021	E	00	44	N	30	256	A		
RUS	VERHNEYE DUBROVO	7075.900	30	11			28.0	E25ETT	THA	AT	50H0	F1B	103	E	00	12	N	30	127	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NYAGAN	7075.900	30	11			17.0	E25ETT	THA	AT	52H0	F1B	103	E	00	12	N	30	134	A		
RUS	VERHNEYE DUBROVO	7075.900	30	11			33.0	UR8UQ	UKR	AT	51H0	F1B	031	E	00	50	N	30	264	A		
RUS	NYAGAN	7075.900	30	11			11.0	UR8UQ	UKR	AT	51H0	F1B	031	E	00	50	N	30	254	A		
RUS	VERHNEYE DUBROVO	7076.000	30	11			24.0	EK1KE	ARM	AT	51H0	F1B	045	E	00	40	N	30	220	A		
RUS	NYAGAN	7076.000	30	11			17.0	BH4QBV	CHN	AT	51H0	F1B	119	E	00	31	N	30	106	A		
RUS	NYAGAN	7076.000	30	11			38.0	BG0BPZ	CHN	AT	51H0	F1B	087	E	00	43	N	30	136	A		
RUS	NYAGAN	7076.000	30	11			15.0	DL5TT	D	AT	51H0	F1B	009	E	00	48	N	30	273	A		
RUS	VERHNEYE DUBROVO	7076.000	30	11			22.0	EA5CH	E	AT	51H0	F1B	001	W	00	38	N	30	271	A		
RUS	VERHNEYE DUBROVO	7076.000	30	11			19.0	MM7WAB	G	AT	50H0	F1B	005	W	00	55	N	30	292	A		
RUS	NYAGAN	7076.000	30	11			19.0	PD0MNO	HOL	AT	51H0	F1B	005	E	00	52	N	30	281	A		
RUS	NYAGAN	7076.000	30	11			23.0	PA6T	HOL	AT	52H0	F1B	005	E	00	51	N	30	280	A		
RUS	NYAGAN	7076.000	30	11			11.0	YO9ILA	ROU	AT	52H0	F1B	027	E	00	44	N	30	249	A		
RUS	NYAGAN	7076.000	30	11			13.0	US5QVO	UKR	AT	51H0	F1B	035	E	00	47	N	30	244	A		
RUS	VERHNEYE DUBROVO	7076.100	30	11			22.0	DL6MRS	D	AT	51H0	F1B	011	E	00	52	N	30	283	A		
RUS	NYAGAN	7076.100	30	11			5.0	PD1BER	HOL	AT	51H0	F1B	005	E	00	52	N	30	281	A		
RUS	VERHNEYE DUBROVO	7076.100	30	11			19.0	IW0EHS	I	AT	51H0	F1B	013	E	00	41	N	30	265	A		
RUS	VERHNEYE DUBROVO	7076.100	30	11			28.0	IW0UWE	I	AT	52H0	F1B	009	E	00	39	N	30	266	A		
RUS	VERHNEYE DUBROVO	7076.200	30	11			19.0	ON6IG	BEL	AT	51H0	F1B	003	E	00	51	N	30	286	A		
RUS	NYAGAN	7076.200	30	11			13.0	M3ZZF	G	AT	50H0	F1B	001	E	00	51	N	30	283	A		
RUS	NYAGAN	7076.200	30	11			17.0	G0HDV	G	AT	52H0	F1B	001	W	00	53	N	30	286	A		
RUS	NYAGAN	7076.200	30	11			13.0	MM0ABM	G	AT	50H0	F1B	005	W	00	55	N	30	286	A		
RUS	NYAGAN	7076.200	30	11			9.0	SV2HYT	GRC	AT	51H0	F1B	023	E	00	40	N	30	249	A		
RUS	VERHNEYE DUBROVO	7076.200	30	11			18.0	LA5HPA	NOR	AT	52H0	F1B	005	E	00	58	N	30	297	A		
RUS	NYAGAN	7076.200	30	11			23.0	SP1MGM	POL	AT	51H0	F1B	015	E	00	53	N	30	275	A		
RUS	NYAGAN	7076.200	30	11			17.0	UT4IXZ	UKR	AT	52H0	F1B	037	E	00	47	N	30	241	A		
RUS	VERHNEYE DUBROVO	7076.200	30	11			22.0	UT4IXZ	UKR	AT	51H0	F1B	037	E	00	47	N	30	248	A		
RUS	NYAGAN	7076.300	30	11			17.0	DC5ROK	D	AT	50H0	F1B	011	E	00	48	N	30	271	A		
RUS	NYAGAN	7076.300	30	11			15.0	G3RIK	G	AT	52H0	F1B	003	W	00	53	N	30	284	A		
RUS	NYAGAN	7076.300	30	11			19.0	M0CLH	G	AT	51H0	F1B	001	W	00	51	N	30	283	A		
RUS	NYAGAN	7076.300	30	11			7.0	HA1TIB	HNG	AT	50H0	F1B	017	E	00	47	N	30	264	A		
RUS	NYAGAN	7076.300	30	11			28.0	PD0WAG	HOL	AT	52H0	F1B	005	E	00	51	N	30	280	A		
RUS	NYAGAN	7076.300	30	11			5.0	PA1DV	HOL	AT	52H0	F1B	005	E	00	52	N	30	281	A		
RUS	NYAGAN	7076.300	30	11			15.0	AP2TN	PAK	AT	50H0	F1B	067	E	00	24	N	30	178	A		
RUS	NYAGAN	7076.300	30	11			17.0	OM7AMA	SVK	AT	52H0	F1B	019	E	00	48	N	30	264	A		
RUS	NYAGAN	7076.300	30	11			19.0	S57RD	SVN	AT	52H0	F1B	015	E	00	46	N	30	265	A		
RUS	NYAGAN	7076.400	30	11			21.0	DJ0FX	D	AT	50H0	F1B	013	E	00	47	N	30	268	A		
RUS	NYAGAN	7076.400	30	11			15.0	PA5Q	HOL	AT	50H0	F1B	005	E	00	51	N	30	280	A		
RUS	NYAGAN	7076.400	30	11			28.0	9A7R	HRV	AT	52H0	F1B	015	E	00	45	N	30	264	A		
RUS	VERHNEYE DUBROVO	7076.400	30	11			24.0	9A7R	HRV	AT	52H0	F1B	015	E	00	45	N	30	268	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	VERHNEYE DUBROVO	7076.400	30	11			24.0	IW4BNN	I	AT	52H0	F1B	011	E	00	44	N	30	270	A		
RUS	NYAGAN	7076.400	30	11			7.0	YC5PYJ	INS	AT	52H0	F1B	101	E	00	01	S	30	141	A		
RUS	VERHNEYE DUBROVO	7076.400	30	11			25.0	LY1CX	LTU	AT	50H0	F1B	025	E	00	55	N	30	282	A		
RUS	NYAGAN	7076.400	30	11			21.0	UR4QX	UKR	AT	52H0	F1B	037	E	00	46	N	30	239	A		
I	ROMA	7122.000	26	10	1417	1418	32.0	OE12***	AUT	AT	3K10E	J3E										120YEAR ALFRED NOBEL
I	ROMA	7174.000	12	12	1559	1600	21.0	SQ6***	POL	AT	2K70E	J3E										SSTV
INS	MSPA-SAMARINDA	7175.000	25	11	0037	0039	44.2		INS	AT	2K70E	J3E										
INS	MSCK-TANGERANG	7200.000	25	11	0200	0230		MYANMAR RADIO	BRM	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	7205.000	25	11	0104	0106	44.1	PBS XIZANG	CHN	BC	6K70E	A3E									11	
INS	MSCK-TANGERANG	7205.000	25	11	0130	0200		PBS XINJIANG	CHN	BC	9K00	A3E										-
G	BALDOCK	7205.000	12	12	2025			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							54	B		XIANYANG TX SITE
G	BALDOCK	7205.000	12	12	2030			RADIO OMDURAN SUDAN	SDN	BC		A3E							131	B		
J	TOKYO	7205.000	16	12	1300			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	7205.000	27	12	0017	0017	29.8	CRI	CHN	BC		A3E										3
I	ROMA	7206.000	15	11	0932	0936	8.0	STATION NUMBER		FX	100HE	A1A							38	B		3
I	ROMA	7206.000	23	11	1215	1220	16.0		RUS	FX	100HE	A1A							38	A		
KOR	CRMS	7210.000	02	10	1522	1522	27.2	KCB	KRE	BC		A3E										3
KOR	CRMS	7210.000	11	10	0908	0908	6.9		CHN	BC		A3E										6
I	ROMA	7210.000	15	10	1100	1124	52.0	VOICE OF TURKEY	TUR		9K00E								91	A		
KOR	CRMS	7210.000	18	10	0911	0911	14.2		CHN	BC		A3E										6
INS	MSCK-TANGERANG	7210.000	25	11	0100	0130		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	7210.000	25	11	0106	0108	43.8	VOICE OF VIETNAM 1	VTN	BC	6K70E	A3E									11	
RUS	MOROZOVSK	7210.000	30	11	1145	1200	20.0		CHN	BC	3K00	A3E							97	C		
G	BALDOCK	7210.000	12	12	2035			XI WANG	CHN			A3E							50	B		
J	TOKYO	7210.000	15	12	1100			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7210.000	16	12	1400			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7212.000	06	10	1335	1342	7.0		RUS	FX	100HE	A1A							40	A		
G	BALDOCK	7215.000	12	12	2040			CNR1	CHN	BC		A3E	108	E	36	34	N	22	53	B		XIAN TX SITE
I	ROMA	7218.000	14	11	2145	2150	12.0	W2***	USA	AT	2K70	J3E										
KOR	CRMS	7220.000	03	10	0945	0945	58.3		KRE	BC		A3E										6
INS	MSCK-TANGERANG	7220.000	25	11	0030	0100		CNR 2	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	7220.000	25	11	0108	0111	44.2	CNR 2	CHN	BC	6K70E	A3E									11	
KOR	CRMS	7220.000	01	12	0658	0658	15.4		USA	BC		A3E									11	
J	TOKYO	7220.000	16	12	1500			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	7220.000	21	12	0433	0433	30.7		KRE	BC		A3E										6
G	BALDOCK	7220.000	29	12	0205			CNR2	CHN	BC		A3E							64	B		GOLMUD TX SITE
KOR	CRMS	7225.000	28	10	0037	0037	28.4		CHN	BC		A3E										6
INS	MSPA-SAMARINDA	7225.000	25	11	0111	0115	42.5	PBS SICHUAN 2	CHN	BC	6K70E	A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	7225.000	12	12	2045			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							45	A		BEIJING TX SITE
KOR	CRMS	7230.000	23	10	1510	1510	31.1		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	7230.000	25	11	0000	0030		CNR 1	CHN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	7230.000	25	11	0115	0117	41.6	CNR 1	CHN	BC	6K70E	A3E									11	
G	BALDOCK	7230.000	12	12	2050			CNR1 VOICE OF CHINA	CHN	BC		A3E	108	E	40	34	N	24	52	B		XIANYANG TX SITE
I	ROMA	7235.000	11	11	1900	1905	37.0	SNR TIGANESTI E2	ROU	BC	10K0	X7W									DEU	
INS	MSPA-SAMARINDA	7240.000	25	11	0120	0125	43.1	PBS XIZANG	CHN	BC	6K70E	A3E									11	
RUS	MOROZOVSK	7240.000	30	11	1200	1215	24.0		CHN	BC	3K00	A3E	088	E	55	30	N	29	100	C		
G	BALDOCK	7240.000	12	12	2052			PBS XIZANG	CHN	BC		A3E							71	A		LHASA TX SITE
KOR	CRMS	7245.000	11	10	0909	0909	10.3		NZL	BC		A3E									6	
KOR	CRMS	7245.000	22	11	0016	0016	37.0		CHN	BC		A3E									6	
RUS	BELGOROD	7245.000	30	11	0731	0735	48.6		TJK	BC	15K4	A3E	068	E	47	37	N	32				
RUS	SAMARA	7245.000	30	11	0805	0810	15.0		CHN	BC	10K0	A3E	106	E	56	34	N	41	337			
RUS	MOROZOVSK	7245.000	30	11	1215	1230	21.0		TJK	BC	3K00	A3E	069	E	54	38	N	47	106	C		
G	BALDOCK	7245.000	12	12	0515			VOICE OF TAJIK	TJK	BC		A3E							80	B		DUSHANBE TX SITE
G	BALDOCK	7245.000	12	12	2055			CNR2 - CHINA BUSINESS RADIO	CHN	BC		A3E							44	A		BEIJING TX SITE
INS	MSPA-SAMARINDA	7250.000	24	11	2301	2303	44.5	China Radio International	CHN	BC	6K70E	A3E										
RUS	SAMARA	7250.000	30	11	0810	0815	15.0		BGD	BC	10K0	A3E	090	E	15	24	N	00				
RUS	S. PETERSBURG	7250.000	30	11	0820	0840	50.0		CVA	BC	9K30	A3E	012	E	02	41	N	44	219	B		
RUS	SAMARA	7250.000	30	11	0820	0827	14.0		KWT	BC	10K0	A3E	047	E	46	29	N	08				
RUS	SMOLENSK	7254.940	29	11	0530	0630	24.0		NIG	BC	2K85	A3E							212	B		
INS	MSPA-SAMARINDA	7255.000	24	11	2303	2306	45.8	PBS XIZANG (CNR 11)	CHN	BC	6K70E	A3E										
G	BALDOCK	7255.000	12	12	2058			CNR 2	CHN	BC		A3E							54	B		XIANYANG TX SITE
J	TOKYO	7255.000	16	12	1500			CHINA R.I.	CHN	BC		A3E										
RUS	S. PETERSBURG	7259.944	29	11	0830	0845	34.0		CHN	BC		A3E	087	E	28	43	N	46	89	B		
RUS	SMOLENSK	7260.000	29	11	0530	0630	34.0		CHN	BC	2K99	A3E	086	E	09	43	N	36	85	B		
RUS	BELGOROD	7260.000	29	11	0535	0540	51.7		CHN	BC	8K50	A3E	086	E	54	44	N	09				
RUS	ARKHANGELSK	7260.000	29	11	1210	1220	38.0	China Radio Int.	CHN	BC	2K47	A3E							93	B		
G	BALDOCK	7260.000	12	12	2100			CRI	CHN	BC		A3E							64	B		PORTUGUESE LANGUAGE
J	TOKYO	7260.000	15	12	1100			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7265.000	11	11	1900	1905	35.0	BBC WORLD SERVICE		BC	10K5E	A3E									12	ENG
I	ROMA	7265.000	11	11	1930	1935	41.0	R CHINA INTERNATIONAL	CHN	BC	10K5E	A3E									12	ESPERANTO
RUS	BELGOROD	7265.000	29	11	0617	0621	61.8		G	BC	9K40	A3E	002	W	49	52	N	16				
RUS	SMOLENSK	7265.000	29	11	0630	0730	24.0		PAK	BC	2K90	A3E	093	E	56	33	N	04	91	B		
G	BALDOCK	7265.000	29	12	0230			VOICE OF TURKEY	TUR	BC		A3E							106	B		
KOR	CRMS	7270.000	08	10	0543	0543	30.6		INS	BC		A3E									6	
KOR	CRMS	7270.000	11	11	0520	0520	3.9		J	BC		A3E									6	
INS	MSPA-SAMARINDA	7270.000	24	11	2307	2309	44.2	PBS NEI MENGKU	CHN	BC	6K70E	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	7270.000	01	12	0659	0659	33.7		AUT	BC		A3E									11	
INS	MSPA-SAMARINDA	7275.000	24	11	2309	2311	45.9	CNR 1 VOICE OF CHINA	CHN	BC	6K70E	A3E										
RUS	BELGOROD	7275.000	29	11	0540	0545	69.2		CHN	BC	8K10	A3E	086	E	54	44	N	09				
RUS	SMOLENSK	7275.000	29	11	0630	0730	15.0		CHN	BC	2K80	A3E	086	E	43	43	N	50	84	B		
RUS	S. PETERSBURG	7275.000	29	11	0815	0830	30.0		CHN	BC		A3E	087	E	28	43	N	46	89	B		
RUS	ARKHANGELSK	7275.000	29	11	1220	1230	27.0		CHN	BC		A3E							82	B		
G	BALDOCK	7275.000	12	12	2203			CNR 1	CHN	BC		A3E	116	E	27	39	N	57	44	B		BEIJING TX SITE
INS	MSCK-TANGERANG	7280.000	24	11	0600	0630		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	7280.000	24	11	2311	2313	44.5	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
G	BALDOCK	7280.000	28	12	2349			SOH XI WANG ZHI SHENG	CHN	BC		A3E							50	A		MIAOLI TAIWAN TX SITE
RUS	BELGOROD	7285.000	29	11	0545	0555	63.7		G	BC	9K10	A3E	014	W	22	07	S	53				
RUS	MOROZOVSK	7285.000	29	11	1500	1515	14.0		CHN	BC	3K00	A3E	107	E	40	24	N	33	90	C		
G	BALDOCK	7285.000	29	12	0303			BBC WS	OMA	BC		A3E							98	B		AL-SALEELA TX
J	TOKYO	7285.810	21	12	0621				RUS				131	E	44	43	N	23	322	B		
J	TOKYO	7290.000	28	10	2100			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	7290.000	24	11	2313	2315	45.2	CNR 1 VOICE OF CHINA	CHN	BC	6K70E	A3E										
RUS	SMOLENSK	7290.000	29	11	0930	1030	21.0		CHN	BC	2K85	A3E	114	E	33	38	N	16	71	B		
RUS	NYAGAN	7290.000	29	11	1210	1220	53.0		CHN	BC	2K82	A3E	115	E	26	30	N	17	108	B		
J	TOKYO	7290.000	16	12	2100			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7295.000	10	11	1800	1805	64.0	BBC WORLD SERVICE	G	BC	10K0E	A3E										FRENCH LANGUAGE
RUS	BELGOROD	7295.000	29	11	0600	0605	66.1		F	BC	9K60	A3E	001	E	53	46	N	57				
RUS	SMOLENSK	7295.000	29	11	0930	1030	27.0		CHN	BC	2K80	A3E	086	E	10	44	N	10	84	B		
INS	MSPA-SAMARINDA	7300.000	24	11	2315	2318	45.6	China Radio International	CHN	BC	6K70E	A3E										
RUS	SMOLENSK	7300.000	29	11	1030	1130	35.0		CHN	BC	2K95	A3E	120	E	28	23	N	33	77	B		
RUS	MOROZOVSK	7300.000	29	11	1515	1530	37.0		CHN	BC	3K00	A3E	117	E	47	35	N	36	73	C		
J	TOKYO	7305.000	11	11	2200			CHINA R.I.	CHN	BC		A3E										
RUS	BELGOROD	7305.000	29	11	0555	0558	57.0		G	BC	9K50	A3E	014	W	22	07	S	53				
RUS	SMOLENSK	7305.000	29	11	0630	0730	7.0		G	BC	2K95	A3E							229	B		
RUS	ARKHANGELSK	7305.000	29	11	1230	1240	24.0		CHN	BC		A3E							85	B		
KOR	CRMS	7310.000	04	10	0927	0927	28.6		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	7310.000	24	11	0600	0630		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	7310.000	24	11	2318	2321	43.4	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
G	BALDOCK	7310.000	29	12	0115			PBS XINJIANG	CHN	BC		A3E							60	C		
INS	MSPA-SAMARINDA	7315.000	24	11	2321	2323	45.5	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	7315.000	29	11	1030	1130	30.0		CHN	BC	2K98	A3E	086	E	30	44	N	15	84	B		
RUS	ARKHANGELSK	7315.000	29	11	1240	1250	36.0		CHN	BC	2K06	A3E							92	B		
G	BALDOCK	7315.000	29	12	0120			CNR 2	CHN	BC		A3E	108	E	40	34	N	24	54	B		XINJIANG TX SITE
KOR	CRMS	7325.000	01	10	2132	2132	41.6		CHN	BC		A3E									6	
J	TOKYO	7325.000	27	10	1000			CHINA R.I.	CHN	BC		A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	7325.000	28	10	1300			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7325.000	08	11	0000	0010	79.0	R. ROMANIA INTERNATI	ROU	BC	10K0E	A3E										SPANISH LANGUAGE
I	ROMA	7325.000	10	11	1800	1805	42.0	R CHINA INTERNATIONAL	CHN	BC	10K0E	A3E										
INS	MSPA-SAMARINDA	7325.000	24	11	2323	2327	45.8	China Radio International	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	7325.000	29	11	1030	1130	34.0		CHN	BC	2K98	A3E	118	E	37	28	N	57	75	B		
J	TOKYO	7325.000	15	12	1000			CHINA R.I.	CHN	BC		A3E										
G	BALDOCK	7325.000	29	12	0125			R ROMANIA INT	ROU	BC		F7W							95	B		
INS	MSPA-SAMARINDA	7335.000	24	11	2327	2330	44.6	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	7335.000	29	11	1030	1130	34.0		CHN	BC	2K98	A3E	107	E	57	34	N	33	78	B		
INS	MSCK-TANGERANG	7340.000	24	11	0430	0500		ALL INDIA RADIO	IND	BC	9K00	A3E										-
RUS	SMOLENSK	7340.000	29	11	0630	0730	15.0		CHN	BC	2K80	A3E	086	E	37	43	N	47	84	B		
G	BALDOCK	7340.000	29	12	0128			R. FREE ASIA	OMA	BC		A3E							103	B		
INS	MSPA-SAMARINDA	7345.000	24	11	2330	2333	45.5	CNR 7 RADIO THE GREAT BAY	CHN	BC	9K00E	A3E										
RUS	BELGOROD	7345.000	29	11	0630	0634	59.3		ROU	BC	9K30	A3E	026	E	06	44	N	45				
RUS	S. PETERSBURG	7345.000	29	11	0700	0710	54.0		ROU	BC		A3E	024	E	17	45	N	24	196	B		
RUS	SMOLENSK	7345.000	29	11	1130	1230	30.0		CHN	BC	2K98	A3E	117	E	01	39	N	25	68	B		
RUS	NYAGAN	7345.000	29	11	1149	1151	45.0		CHN	BC	2K59	A3E	111	E	58	27	N	02	113	B		
J	TOKYO	7346.000	21	12	0624				CHN				124	E	48	41	N	34	301	B		
I	ROMA	7350.000	08	11	0000	0005	64.0	CHINA PLUS RADIO	CHN	BC	15K5E	A3E									12	ENG
I	ROMA	7350.000	10	11	1803	1805	34.0	TIGANESTI E2	CHN	BC	10K0	X7W										NO AUDIO
INS	MSPA-SAMARINDA	7350.000	24	11	2333	2335	45.4	China Radio International	CHN	BC	6K70E	A3E										
G	BALDOCK	7350.000	29	12	0130			CRI	CHN	BC		A3E							70	A		KASHI-SAIBAGH TX
KOR	CRMS	7355.000	05	10	1219	1219	37.8		USA	BC		A3E									6	
J	TOKYO	7360.000	25	10	0813				CHN	BC		D7W	123	E	51	47	N	15	318	B		
INS	MSPA-SAMARINDA	7360.000	24	11	2335	2338	43.8	CNR 11	CHN	BC	6K70E	A3E										
RUS	BELGOROD	7360.000	29	11	0605	0611	60.9		ROU	BC	9K80	A3E	026	E	51	46	N	45				
RUS	SMOLENSK	7360.000	29	11	1130	1230	36.0		CHN	BC	2K98	A3E	103	E	14	24	N	36	90	B		
RUS	SMOLENSK	7365.000	29	11	1130	1230	18.0		CHN	BC	2K80	A3E							70	B		
INS	MSPA-SAMARINDA	7370.000	24	11	2338	2339	44.2	CNR 2 CHINA BUSINESS RADIO	CHN	BC	6K70E	A3E										
RUS	SMOLENSK	7370.000	29	11	1130	1230	35.0		CHN	BC	2K99	A3E	116	E	10	39	N	28	69	B		
RUS	NYAGAN	7370.000	29	11	1150	1153	59.0		CHN	BC	2K98	A3E	118	E	39	32	N	41	105	A		
RUS	ARKHANGELSK	7370.000	29	11	1250	1300	44.0		CHN	BC	2K40	A3E							92	B		
G	BALDOCK	7375.000	29	12	0050			R MARTI		BC		A3E							283	C		FRENCH LANGUAGE
J	TOKYO	7380.000	25	11	0047				CHN			A1A	118	E	19	29	N	57	259	B		
INS	MSPA-SAMARINDA	7385.000	24	11	2339	2341	44.9	CNR 5	CHN	BC	6K70E	A3E										
RUS	SMOLENSK	7385.000	29	11	1130	1230	50.0		CHN	BC	2K99	A3E	116	E	04	39	N	59	68	B		
RUS	ARKHANGELSK	7385.000	29	11	1300	1310	34.0		CHN	BC	1K40	A3E							90	B		
RUS	MOROZOVSK	7385.000	29	11	1530	1545	13.0		CHN	BC	3K00	A3E	101	E	25	26	N	14	93	C		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	7385.000	29	12	0140			PBS XIZANG	CHN	BC		A3E	091	E	15	29	N	39	70	B		LHASA-BAIDING TX
J	TOKYO	7390.000	11	11	1200			CHINA R.I.	CHN	BC		A3E										
RUS	BELGOROD	7390.000	29	11	0611	0614	68.8		F	BC	10K0	A3E	001	E	53	46	N	57				
RUS	SMOLENSK	7390.000	29	11	1130	1230	23.0		CHN	BC	2K99	A3E	116	E	04	39	N	59	68	B		
RUS	NYAGAN	7390.000	29	11	1144	1154	50.0		CHN	BC	661H	A3E	118	E	27	31	N	24	105	B		
J	TOKYO	7395.000	28	10	1400			CHINA R.I.	CHN	BC		A3E										
RUS	S. PETERSBURG	7399.998	29	11	0750	0805	33.0		CHN	BC		A3E	087	E	28	43	N	46	89	B		
INS	MSPA-SAMARINDA	7410.000	24	11	2341	2343	43.6	China Radio International	CHN	BC	6K70E	A3E										
RUS	NYAGAN	7410.000	29	11	1147	1155	47.0		CHN	BC	2K81	A3E	118	E	59	23	N	47	109	B		
RUS	SMOLENSK	7410.000	29	11	1230	1330	27.0		CHN	BC	2K99	A3E	114	E	20	37	N	48	71	B		
RUS	ARKHANGELSK	7410.000	29	11	1310	1320	32.0	China Radio Int.	CHN	BC	1K77	A3E							85	B		
J	TOKYO	7413.610	05	10	0203				CHN			A1A	123	E	34	42	N	11	302	B		
J	TOKYO	7413.610	12	10	0104				CHN			A1A	123	E	47	41	N	19	299	B		
J	TOKYO	7413.610	21	12	0625				CHN			A1A	124	E	34	41	N	45	301	B		
J	TOKYO	7413.610	27	12	0510				CHN			A1A	123	E	34	41	N	53	300	B		
INS	MSPA-SAMARINDA	7415.000	24	11	2343	2345	43.8	China Radio International	CHN	BC	6K70E	A3E										
G	BALDOCK	7415.000	29	12	0045			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							55	B		URUMQI
J	TOKYO	7420.000	12	10	0107				CHN	BC		A3E	112	E	47	40	N	52	292	B		
KOR	CRMS	7420.000	15	10	2118	2118	5.6		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	7420.000	24	11	0030	0100		VO ISLAMIC REP.IRAN	IRN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	7420.000	24	11	2345	2347	45.3	PBS NEI MENGGU	CHN	BC	6K70E	A3E										
RUS	SMOLENSK	7420.000	29	11	1230	1330	22.0		CHN	BC	2K99	A3E							72	B		
RUS	ARKHANGELSK	7420.000	29	11	1320	1330	42.0	Vatican Radio	USA	BC	1K00	A3E							69	B		
KOR	CRMS	7420.000	14	12	0418	0418	4.9		CHN	BC		A3E									6	
G	BALDOCK	7420.000	29	12	0055			PBS NEI MENGGU	CHN	BC		A3E							50			
J	TOKYO	7423.710	21	12	0629				KOR			F3C	128	E	16	35	N	49	274	B		
RUS	NYAGAN	7425.000	29	11	1154	1156	48.0		CHN	BC	2K65	A3E	104	E	24	34	N	25	120	A		
RUS	SMOLENSK	7425.000	29	11	1230	1330	45.0		CHN	BC	2K99	A3E	108	E	51	34	N	11	78	B		
J	TOKYO	7430.000	27	10	0900			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	7430.000	24	11	2347	2349	45.9	China Radio International	CHN	BC	6K70E	A3E										
RUS	ARKHANGELSK	7430.000	29	11	1330	1340	47.0		CHN	BC	1K37	A3E							88	B		
J	TOKYO	7430.000	15	12	0900			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7430.620	25	11	0051				CHN			A1A	123	E	49	41	N	45	300	A		
G	BALDOCK	7433.000	29	12	0145			?	RUS	FX		F1B							94	A		ODESSA TX SITE
J	TOKYO	7433.500	12	10	0110			HLL2				F3C	127	E	59	36	N	03	276	B		
J	TOKYO	7433.500	09	11	0458			HLL2				F3C	128	E	23	35	N	59	275	A		
J	TOKYO	7433.500	21	12	0633			HLL2				F3C	128	E	30	35	N	51	275	B		
J	TOKYO	7433.500	27	12	0515			HLL2				F3C	127	E	59	36	N	25	278	B		
KOR	CRMS	7435.000	01	10	2134	2134	47.6		KWT	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSCK-TANGERANG	7435.000	24	11	0000	0030		VOICE OF VIETNAM 1	VTN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	7435.000	24	11	2349	2352	43.5	VOICE OF VIETNAM 1	VTN	BC	6K70E	A3E										
RUS	MOROZOVSK	7435.000	29	11	1545	1600	25.0		CHN	BC	3K00	A3E	103	E	32	26	N	35	91	C		
G	BALDOCK	7435.000	29	12	0150			R.MARTI	USA	BC		A3E							280	B		GREENVILLE B TX SITE
RUS	SMOLENSK	7440.000	29	11	1230	1330	25.0		CHN	BC	2K96	A3E	108	E	13	22	N	08	88	B		
RUS	BELGOROD	7445.000	29	11	0614	0617	62.1		G	BC	9K60	A3E	002	W	49	52	N	16				
RUS	S. PETERSBURG	7445.000	29	11	0720	0740	67.0		G	BC		A3E	002	W	44	52	N	31	262	B		
KOR	CRMS	7445.000	01	12	0701	0701	58.3		J	BC		A3E									6	
J	TOKYO	7450.000	12	10	0112				CHN	BC		A3E	094	E	09	30	N	16	275	B		
KOR	CRMS	7450.000	12	10	2147	2147	29.3		CHN	BC		A3E									6	
J	TOKYO	7450.000	19	10	1104			XIZANG P.B.S.		BC		A3E	091	E	00	29	N	38	276	B	11	
INS	MSPA-SAMARINDA	7450.000	24	11	2352	2355	44.5	PBS XIZANG	CHN	BC	6K70E	A3E										
J	TOKYO	7450.000	25	11	0053			XIZANG P.B.S		BC		A3E	091	E	05	29	N	38	276	A	11	
RUS	BELGOROD	7450.000	26	11	0530	0536	61.4		F	BC	9K70	A3E	001	E	53	46	N	57				
RUS	SMOLENSK	7450.000	29	11	1230	1330	31.0		CHN	BC	2K99	A3E	090	E	35	29	N	23	97	B		
RUS	ARKHANGELSK	7450.000	29	11	1340	1350	33.0		CHN	BC	1K80	A3E							116	B		
J	TOKYO	7450.000	02	12	1101			XIZANG P.B.S.		BC		A3E									11	
KOR	CRMS	7450.000	12	12	2147	2147	29.3		CHN	BC		A3E									6	
RUS	BELGOROD	7456.000	26	11	0536	0538	62.4		S		2K90		012	E	54	56	N	25				
KOR	CRMS	7460.000	02	10	0721	0721	30.8		CHN	BC		A3E									11	
KOR	CRMS	7460.000	03	11	0649	0649	39.0		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	7460.000	23	11	0600	0630		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									11	-
J	TOKYO	7461.000	09	11	0504				RUS			F1B	131	E	51	42	N	59	320	A		
J	TOKYO	7461.000	21	12	0633				RUS			F1B	131	E	35	43	N	19	321	B		
KOR	CRMS	7465.000	18	10	1805	1805	5.4		SNG	BC		A3E									11	
KOR	CRMS	7470.000	12	10	1210	1210	17.9		THA	BC		A3E									11	
J	TOKYO	7470.000	19	10	1107			CHINA N.R.		BC		A3E									11	
INS	MSPA-SAMARINDA	7470.000	23	11	2318	2323	45.8	R FREE ASIA	USA	BC	6K70E	A3E									11	
KOR	CRMS	7480.000	17	10	0023	0023	7.7		THA	BC		A3E									11	
KOR	CRMS	7485.000	02	10	1527	1527	35.4		SNG	BC		A3E									11	
KOR	CRMS	7485.000	24	10	2025	2025	18.8		PHL	BC		A3E									11	
KOR	CRMS	7495.000	02	10	1528	1528	23.3		THA	BC		A3E									11	
J	TOKYO	7495.010	25	11	0055			VOA ASHNA R.		BC		A3E							253	A	11	
J	TOKYO	7500.000	25	10	0750				RUS			F1B	134	E	18	52	N	35	347	B		
J	TOKYO	7500.000	02	12	1000				INS			J3E	135	E	50	03	S	20	187	B		
J	TOKYO	7508.000	19	10	1000				RUS			F1B	136	E	29	50	N	49	350	B		
KOR	CRMS	7510.000	02	10	1528	1528	47.3		USA	BC		A3E									11	
KOR	CRMS	7515.000	13	10	1524	1524	18.0		USA	BC		A3E									11	
KOR	CRMS	7530.000	15	10	2119	2119	26.2		UZB	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	7530.000	02	12	1004							J3E										
KOR	CRMS	7540.000	18	10	1805	1805	8.8		THA	BC		A3E									11	
KOR	CRMS	7540.000	24	10	2026	2026	31.5		UZB	BC		A3E									11	
INS	MSPA-SAMARINDA	7540.000	23	11	2335	2337	44.2	R FREE ASIA	USA	BC	6K70E	A3E									11	
J	TOKYO	7540.000	24	11	2346				CHN	BC		A3E	116	E	28	40	N	18	291	A		
J	TOKYO	7544.600	25	10	0755				CHN				116	E	02	38	N	47	287	A		
RUS	BELGOROD	7545.000	26	11	0538	0543	51.2		CYP	LR	23K6		032	E	56	34	N	37				
RUS	BELGOROD	7556.400	26	11	0605	0608	37.6		F		2K70		006	E	04	43	N	09				
J	TOKYO	7556.750	24	11	2350				RUS				132	E	49	42	N	46	323	A		
KOR	CRMS	7560.000	04	11	0046	0046	52.2		THA	BC		A3E									11	
KOR	CRMS	7560.000	15	11	0020	0020	24.0		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	7560.000	23	11	2337	2341	44.5	CNR 1 VOICE OF CHINA	CHN	BC	6K70E	A3E									11	
KOR	CRMS	7560.000	13	12	0052	0052	22.0		CHN	BC		A3E									6	
J	TOKYO	7570.000	19	10	1003					BC		A3E							43	C		
J	TOKYO	7570.000	25	10	0807					BC		A3E							47	C		
RUS	SMOLENSK	7570.000	26	11	0800	0900	26.0		USA	BC	2K99	A3E							303	B	11	
J	TOKYO	7570.000	02	12	1005					BC		A3E							45	C		
KOR	CRMS	7580.000	15	11	0021	0021	1.2		CHN	BC		A3E									11	
J	TOKYO	7580.000	16	11	0131				CHN	BC		A3E	079	E	34	39	N	35	288	B		
RUS	SLAVYANKA	7580.000	26	11	0110	0140	47.0		CHN	BC	1K01	A3E	086	E	43	42	N	40	285	A	11	
KOR	CRMS	7580.000	01	12	0705	0705	62.8		J	BC		A3E									6	
J	TOKYO	7580.000	02	12	1008			V.O. KOREA		BC		A3E	126	E	14	40	N	20	45	A	11	
J	TOKYO	7580.000	09	12	0751			V.O. KOREA		BC		A3E	125	E	59	40	N	24	297	A	11	
KOR	CRMS	7580.000	13	12	0052	0052	4.9		CHN	BC		A3E									6	
RUS	BELGOROD	7585.000	26	11	0600	0605	35.8		KWT	BC	8K90	A3E	047	E	40	29	N	30			11	
J	TOKYO	7597.000	25	10	0813							F1B							53	C		
J	TOKYO	7597.000	25	10	0823				RUS				131	E	55	43	N	04	321	B		
J	TOKYO	7597.000	02	12	1010				USA			F1B	120	E	00	38	N	49	52	A		
J	TOKYO	7597.000	21	12	0604							F1B							56	C		
J	TOKYO	7599.900	19	10	1005					BC		A3E							300	C		
J	TOKYO	7599.910	02	12	1016					BC		A3E							300	C		
RUS	BELGOROD	7599.920	26	11	0553	0559	51.8		UZB	BC	8K40	A3E	069	E	09	41	N	13			11	
RUS	SMOLENSK	7599.930	26	11	0800	0900	12.0		KAZ	BC	2K99	A3E	068	E	55	41	N	27	172	B	11	
J	TOKYO	7600.000	11	10	2347					BC		A3E							303	C		
KOR	CRMS	7600.000	12	10	2148	2148	0.6		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	7600.000	23	11	0130	0200		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									11	-
J	TOKYO	7600.000	24	11	2354					BC		A3E							297	C		
RUS	MOROZOVSK	7600.000	26	11	1000	1015	16.0		UZB	BC	3K00	A3E	069	E	20	41	N	11	100	C		
KOR	CRMS	7600.000	12	12	2148	2148	0.6		CHN	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	7600.160	19	10	1106			SOUND OF HOPE		BC		A3E	106	E	22	48	N	08	307	B	11	MNG
RUS	BELGOROD	7628.500	26	11	0545	0548	43.8		D		400H	F1B	011	E	29	48	N	07				
RUS	BELGOROD	7629.500	26	11	0548	0552	42.7		D		400H	F1B	008	E	07	48	N	16				
J	TOKYO	7644.980	19	10	1008			SOUND OF HOPE		BC		A3E	120	E	33	23	N	21	240	B	11	TAIWAN
J	TOKYO	7644.990	11	10	2354			SOUND OF HOPE		BC		A3E	121	E	00	23	N	21	239	A	11	TAIWAN
J	TOKYO	7645.000	02	12	1020			SOUND OF HOPE		BC		A3E	120	E	43	22	N	29	238	A	11	TAIWAN
J	TOKYO	7645.010	25	11	0009			SOUND OF HOPE		BC		A3E	120	E	12	23	N	23	240	A	11	TAIWAN
RUS	BELGOROD	7646.000	26	11	0543	0545	40.4	DDH7	D	FX	600H	F1B	009	E	41	53	N	41				
RUS	SMOLENSK	7646.000	26	11	0800	0900	30.0		D	FX	880H	F1B	010	E	43	53	N	58	275	B		
J	TOKYO	7649.000	27	12	0425				CHN			A1A	125	E	26	40	N	59	301	B		
J	TOKYO	7679.200	02	12	1023				AUS			J2B	125	E	54	30	S	41	193	A		
J	TOKYO	7682.800	02	12	1026				AUS			J2B	125	E	58	29	S	23	193	A		
INS	MSCK-TANGERANG	7708.500	22	11	0600	0700		Unknown		MS	3K00E	J3E										FISHERMAN-JAVANESE LANGUAGE
KOR	CRMS	7730.000	01	10	1227	1227	29.2		CHN	BC		A3E									11	
KOR	CRMS	7730.000	03	11	0650	0650	26.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	7730.000	22	11	0523	0525	45.6	SOH Xi Wang Zhi Sheng		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	7730.070	11	10	2358			SOUND OF HOPE		BC		A3E	120	E	28	22	N	49	239	A	11	TAIWAN
J	TOKYO	7730.070	25	10	0829			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	7730.070	04	11	0606			SOUND OF HOPE		BC		A3E	120	E	27	23	N	22	240	B	11	TAIWAN
J	TOKYO	7730.080	09	12	0800			SOUND OF HOPE		BC		A3E	121	E	34	25	N	00	242	A	11	TAIWAN
J	TOKYO	7730.090	25	11	0020			SOUND OF HOPE		BC		A3E	121	E	16	24	N	28	241	A	11	TAIWAN
INS	MSCK-TANGERANG	7744.540	22	11	0430	0500		Unknown		FX	3K00E	J3E										FISHERMAN-JAVANESE LANGUAGE
RUS	MOROZOVS	7748.000	25	11	1030	1045	12.0		TUR	FX	3K00	G7B	031	E	35	37	N	35	218	C		
RUS	BELGOROD	7748.200	25	11	0528	0530	50.5		TUR		2K90		032	E	11	40	N	06				
RUS	S. PETERSBURG	7748.200	25	11	0645	0700	35.0		TUR	FX	3K50	G1D							174	C		
J	TOKYO	7762.000	09	12	0805				CHN			J3E	119	E	05	26	N	19	249	B		
J	TOKYO	7766.000	19	10	1010				PHL			J3E	122	E	50	10	N	12	216	B		
J	TOKYO	7780.000	16	11	0139				RUS			F1A	128	E	16	50	N	01	332	B		
J	TOKYO	7780.000	09	12	0810				CHN			A1A	119	E	05	25	N	39	247	B		
INS	MSCK-TANGERANG	7784.500	22	11	0230	0300		Unknown		MS	3K00E	J3E										FISHERMAN-JAVANESE LANGUAGE
J	TOKYO	7785.000	04	11	0607				RUS				135	E	14	49	N	01	342	B		
RUS	S. PETERSBURG	7785.000	25	11	0700	0720	5.0			FX		F1B							53	D		
J	TOKYO	7795.000	27	12	0430				CHN			F3C							244	C		
KOR	CRMS	7810.000	05	10	2149	2149	25.8		CHN	BC		A3E									11	
J	TOKYO	7810.040	12	10	0002			SOUND OF HOPE		BC		A3E	120	E	16	23	N	26	240	B	11	TAIWAN
J	TOKYO	7819.000	21	12	0613				KRE			F2B	125	E	42	39	N	04	291	A		
J	TOKYO	7820.000	09	12	0813				KRE				125	E	57	38	N	42	289	B		
J	TOKYO	7826.000	09	12	0816				CHN			A1A	118	E	29	31	N	54	265	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	7845.000	09	11	0429				CHN				119	E	02	26	N	00	246	B		
J	TOKYO	7845.390	19	10	1013				CHN			J2D	109	E	19	18	N	57	247	B		
INS	MSPA-SAMARINDA	7853.000	19	11	0105	0109	45.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	7854.000	19	10	1017				RUS			J2D	159	E	03	53	N	39	30	B		
J	TOKYO	7870.000	19	10	1019							J3E							217	B		
J	TOKYO	7873.000	05	10	0135				CHN				121	E	52	29	N	14	254	A		
J	TOKYO	7876.000	25	11	0029				VTN				105	E	22	78	N	24	250	B		
J	TOKYO	7876.130	09	11	0439				KOR				126	E	43	34	N	40	269	B		
J	TOKYO	7878.000	16	11	0145							A1A										
INS	MSPA-SAMARINDA	7878.000	19	11	0009	0013	44.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	7880.000	24	11	0824	0826	53.9		D	FX	1K30	F3C	009	E	41	53	N	41				
RUS	SMOLENSK	7880.420	24	11	0700	0800	56.0		D	FX	2K58	F1C	008	E	55	54	N	04	276	B		
RUS	BELGOROD	7909.100	24	11	0850	0852	55.5		NOR		2K90		011	E	14	64	N	52				
INS	MSPA-SAMARINDA	7923.000	19	11	0017	0020	43.1		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	7930.500	05	10	0137				RUS			F1B	135	E	06	48	N	22	343	A		
INS	MSPA-SAMARINDA	7933.000	19	11	0020	0023	44.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	7955.000	25	11	0034				RUS			F1B	131	E	51	43	N	26	322	A		
J	TOKYO	7970.000	09	11	0447				KRE				125	E	20	40	N	31	297	B		
J	TOKYO	7975.000	16	11	0146				RUS			J2D	158	E	04	53	N	02	30	A		
INS	MSPA-SAMARINDA	7995.000	19	11	0025	0028	44.6		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8002.000	04	11	0611			8SQO				A1A	137	E	10	49	N	15	350	B		
INS	MSPA-SAMARINDA	8005.000	19	11	0028	0031	42.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8022.000	19	11	0000	2400	43.6		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSCK-TANGERANG	8030.450	19	11	0000	0030		Unknown		FX	3K00E	J3E										-
RUS	S. PETERSBURG	8034.000	24	11	1630	1645	7.0		S	FX		G1D	018	E	05	59	N	13	267	B		
RUS	SMOLENSK	8038.000	24	11	0800	0900	28.0		TUR	FX	2K85	G1D	031	E	22	39	N	28	238	B		
RUS	BELGOROD	8038.160	24	11	0820	0824	40.8		TUR		2K90		032	E	11	40	N	06				
J	TOKYO	8050.000	05	10	0142				RUS			F1B	128	E	09	50	N	55	332	A		
INS	MSKH-KUPANG	8052.000	18	11	0155	0159	7.3	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
J	TOKYO	8052.260	04	11	0613				CHN				121	E	25	29	N	43	255	B		
J	TOKYO	8054.000	05	10	0146				RUS			F1B	139	E	52	48	N	51	358	A		
J	TOKYO	8054.000	12	10	0014				CHN			F1B	119	E	34	25	N	55	247	B		
J	TOKYO	8054.000	19	10	1023				RUS			F1B	140	E	25	50	N	43	0	B		
J	TOKYO	8054.000	04	11	0615				RUS			F1B	139	E	57	50	N	39	359	B		
J	TOKYO	8054.000	09	11	0451				RUS			F1B	137	E	53	52	N	40	355	B		
J	TOKYO	8054.000	16	11	0148				RUS			F1B	140	E	24	49	N	34	0	A		
J	TOKYO	8054.000	25	11	0040				RUS			F1B	139	E	38	51	N	13	358	B		
J	TOKYO	8054.000	21	12	0623				RUS			F1B	139	E	36	48	N	32	357	A		
RUS	BELGOROD	8056.800	23	11	1015	1019	40.4		G		2K80		002	W	34	52	N	38				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	8059.000	16	11	0150							A1A										
J	TOKYO	8065.380	16	11	0155				CHN			J2D	121	E	48	29	N	29	254	B		
INS	MSPA-SAMARINDA	8076.000	18	11	0017	0020	44.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8078.000	19	10	1025				RUS			F1B	135	E	26	48	N	45	346	A		
INS	MSPA-SAMARINDA	8090.000	18	11	0020	0023	45.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8096.000	18	11	0023	0025	43.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSCK-TANGERANG	8102.150	18	11	0600	0630		Unknown		FX	3K00E	H3E										-
RUS	BELGOROD	8105.150	23	11	1031	1033	42.7		GRC		1K20	F1C	023	E	42	37	N	56				
INS	MSPA-SAMARINDA	8111.000	18	11	0025	0028	44.2		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8117.000	05	10	0147				CHN			J3E	121	E	31	25	N	05	242	A		TAIWAN
J	TOKYO	8117.000	19	10	1028				CHN			J3E	120	E	26	23	N	16	240	B		
J	TOKYO	8117.000	04	11	0618				CHN			J3E	121	E	23	24	N	42	241	B		
J	TOKYO	8117.000	09	11	0456				CHN			J3E	121	E	27	25	N	09	242	B		TAIWAN
J	TOKYO	8117.000	16	11	0158				CHN			J3E	121	E	10	24	N	11	240	B		
J	TOKYO	8117.000	25	11	0046				CHN			J3E	120	E	09	22	N	40	239	B		
INS	MSPA-SAMARINDA	8133.000	18	11	0028	0031	45.6		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
G	BALDOCK	8140.500	08	12	1310			?	I	FX		G1D							128	A		2400 BD STANAG 4285
INS	MSKH-KUPANG	8141.500	18	11	0600	0605	12.2	UNKNOWN	INS	MS	2K80E	J3E										ETNIC LANGUAGE
G	BALDOCK	8141.800	04	12	0640			?	D	MO		G1D							78	B		
J	TOKYO	8143.000	09	11	0501				KOR			J3E	126	E	46	37	N	32	284	B		
J	TOKYO	8143.000	16	11	0201				KOR			J3E	128	E	24	37	N	20	284	B		
INS	MSPA-SAMARINDA	8150.000	18	11	0031	0035	43.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	8153.500	23	11	0557	0604	34.7		S		2K70		014	E	03	57	N	12				
INS	MSKH-KUPANG	8155.000	18	11	0211	0215	12.8	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
RUS	S. PETERSBURG	8171.000	23	11	1430	1440	42.0		UKR	FX	450H	F1B	035	E	41	46	N	37	164	B		
INS	MSKH-KUPANG	8176.000	18	11	0225	0228	3.4	AUSTRALIAN BUREAU OF METEROLOGY	AUS	NL	2K80E	J3E										MARINE WEATHER BROADCAST SITE VMC CHARLEVILLE
G	BALDOCK	8176.000	04	12	1650			VMC (AUSTRALIA)	AUS	FX		J3E							64	C		WX FCST TASMAN AREA
INS	MSPA-SAMARINDA	8192.000	18	11	0035	0038	44.1		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSKH-KUPANG	8210.200	18	11	0311	0315	12.3	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8212.000	18	11	0038	0042	43.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSKH-KUPANG	8215.400	18	11	0630	0635	9.6	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSKH-KUPANG	8220.000	18	11	0635	0640	11.7	UNKNOWN	INS	MS	2K80E	J3E										ETNIC LANGUAGE
INS	MSKH-KUPANG	8222.200	18	11	0304	0308	5.0	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8247.000	18	11	0042	0046	44.6		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8270.000	17	11	2301	2303	44.2		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8282.000	17	11	2303	2306	43.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8297.000	02	12	1031				NZL			J3E	177	E	04	38	S	53	152	B		
J	TOKYO	8302.000	05	10	0150			XSG		FC		F3C										
J	TOKYO	8302.000	12	10	0032			XSG		FC		F3C										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	8302.000	04	11	0626			XSG		FC		F3C	121	E	29	31	N	08	259	B		
J	TOKYO	8302.000	09	11	0509			XSG		FC		F3C										
J	TOKYO	8302.000	25	11	0052			XSG		FC		F3C	121	E	30	30	N	59	259	B		
J	TOKYO	8302.000	09	12	0828			XSG		FC		F3C	121	E	21	31	N	30	260	A		
J	TOKYO	8302.000	21	12	0627			XSG		FC		F3C	121	E	25	31	N	14	260	B		
J	TOKYO	8302.000	27	12	0450				CHN	FC		F3C	121	E	18	31	N	33	258	B		
INS	MSPA-SAMARINDA	8303.000	17	11	2306	2308	44.1		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8303.000	17	11	2308	2311	45.4		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8310.000	17	11	2311	2313	44.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	8314.000	22	11	0540	0543	47.2		CYP		3K00		032	E	56	34	N	37				
INS	MSPA-SAMARINDA	8323.000	17	11	2313	2316	43.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8350.000	16	11	0220	0225	45.9		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8356.000	17	11	2316	2319	44.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8370.000	17	11	2319	2321	42.4		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8394.000	17	11	2321	2325	45.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8395.000	19	10	1032							F1B										
J	TOKYO	8395.000	02	12	1037							F1B										
INS	MSPA-SAMARINDA	8410.000	17	11	2325	2327	44.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	8410.000	22	11	0548	0553	43.0		HOL		2K70		004	E	43	52	N	02				
G	BALDOCK	8410.000	08	12	2341			?	HOL	FC		G1D							90	B		2400BD STANAG 4285
J	TOKYO	8416.500	02	12	1039							F1B							100	C		
G	BALDOCK	8419.005	08	12	2356			WLO (MOBILE)	USA	FC		F1B							289	C		100 BD SITOR MODE A
J	TOKYO	8425.500	05	10	0157			XSG		FC		F1B										
J	TOKYO	8425.500	12	10	0050			XSG		FC		F1B										
J	TOKYO	8425.500	19	10	1035			XSG		FC		F1B										
J	TOKYO	8425.500	25	10	0913			XSG		FC		F1B										
J	TOKYO	8425.500	04	11	0630			XSG		FC		F1B										
J	TOKYO	8425.500	09	11	0515			XSG		FC		F1B										
J	TOKYO	8425.500	16	11	0207			XSG		FC		F1B										
J	TOKYO	8425.500	02	12	1045			XSG		FC		F1B										
J	TOKYO	8425.500	21	12	0633			XSG		FC		F1B										
J	TOKYO	8431.000	05	10	0158			XSQ		FC		F1B										
J	TOKYO	8431.000	25	10	0914			XSQ		FC		F1B										
J	TOKYO	8431.000	09	11	0517			XSQ		FC		F1B										
J	TOKYO	8431.000	16	11	0208			XSQ		FC		F1B										
J	TOKYO	8431.000	25	11	0056			XSQ		FC		F1B										
G	BALDOCK	8431.000	08	12	1752			TAH (ISTANBUL)	TUR	FC		F1B							106	B		100 BD SITOR MODE A/B
J	TOKYO	8432.000	25	11	0056			XSG		FC		F1B										
J	TOKYO	8433.000	05	10	0159			XSG		FC		F1B										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	8433.000	12	10	0052			XSG		FC		F1B										
J	TOKYO	8433.000	25	10	0918			XSG		FC		F1B										
J	TOKYO	8433.000	04	11	0631			XSG		FC		F1B										
J	TOKYO	8433.000	09	11	0519			XSG		FC		F1B										
J	TOKYO	8433.000	16	11	0210			XSG		FC		F1B										
J	TOKYO	8433.000	02	12	1046			XSG		FC		F1B										
J	TOKYO	8433.000	09	12	0843			XSG		FC		F1B										
J	TOKYO	8433.000	21	12	0634			XSG		FC		F1B										
J	TOKYO	8435.000	19	10	1036			XSQ		FC		F1B										
J	TOKYO	8435.000	25	10	0919			XSQ		FC		F1B										
J	TOKYO	8435.000	09	11	0523			XSQ		FC		F1B										
J	TOKYO	8435.000	16	11	0211			XSQ		FC		F1B										
INS	MSPA-SAMARINDA	8435.000	17	11	2325	2327	43.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8435.000	25	11	0100			XSQ		FC		F1B										
J	TOKYO	8435.000	02	12	1047			XSQ		FC		F1B										
J	TOKYO	8435.000	09	12	0844			XSQ		FC		F1B										
J	TOKYO	8435.000	21	12	0635			XSQ		FC		F1B										
J	TOKYO	8435.000	27	12	0503			XSQ		FC		A1A										
J	TOKYO	8435.100	04	11	0632			XSQ		FC		F1B										
J	TOKYO	8448.500	25	11	0105				THA				103	E	18	16	N	56	250	B		
RUS	BELGOROD	8454.800	19	11	0557	0600	44.1		F		2K80		006	E	04	43	N	09				
J	TOKYO	8455.500	09	12	0839			XSG		FC		F1B										
INS	MSPA-SAMARINDA	8456.000	16	11	0206	0208	43.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8458.200	02	12	1048				AUS			J2B	131	E	40	16	S	34	190	A		
J	TOKYO	8459.000	09	11	0529							F3C							39	C		
RUS	BELGOROD	8460.000	19	11	0637	0648	38.6		F		2K60		003	W	21	48	N	16				
J	TOKYO	8461.800	02	12	1050				AUS			J2B	131	E	03	14	S	45	191	A		
INS	MSPA-SAMARINDA	8465.000	16	11	0208	0211	45.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8473.000	16	11	0211	0215	43.6		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
G	BALDOCK	8480.000	12	12	0020			?		MS		G1D							256	A		2400 BD STANAG 4285
J	TOKYO	8484.000	05	10	0201			HLG		FC		A1A										
J	TOKYO	8486.500	25	11	0110				CHN				121	E	30	30	N	04	256	A		
INS	MSPA-SAMARINDA	8493.000	16	11	0215	0217	44.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	8494.000	19	11	0633	0638	40.1		SUI		2K60		007	E	56	46	N	56				
INS	MSCK-TANGERANG	8494.250	16	11	0600	0630		Unknown		FX	3K00E	J3E										-
J	TOKYO	8495.000	25	11	0112			M				A1A	139	E	54	51	N	35	359	B		
J	TOKYO	8495.100	19	10	1037			A				A1A							325	B		
J	TOKYO	8495.200	05	10	0202			F				A1A	131	E	57	43	N	07	321	A		
J	TOKYO	8495.200	12	10	0055			F				A1A							324	C		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	8495.200	09	11	0533			F				A1A	131	E	57	43	N	12	322	B		
J	TOKYO	8495.300	19	10	1038			K				A1A	158	E	51	54	N	15	28	B		
J	TOKYO	8495.350	04	11	0636				RUS				158	E	16	53	N	46	29	B		
J	TOKYO	8495.400	05	10	0203			M				A1A										
J	TOKYO	8495.400	12	10	0056			M				A1A							0	C		
J	TOKYO	8495.400	19	10	1039			M				A1A	140	E	03	49	N	03	359	B		
J	TOKYO	8495.400	25	10	0921			M				A1A	139	E	53	51	N	27	358	B		
J	TOKYO	8495.400	09	11	0534			M				A1A							358	D		
J	TOKYO	8495.400	16	11	0212			M				A1A	140	E	25	53	N	17	0	B		
J	TOKYO	8495.400	21	12	0638			M				A1A							0	B		
J	TOKYO	8495.400	27	12	0507			M				A1A										
RUS	BELGOROD	8507.500	19	11	0615	0619	30.8		HOL		2K70		005	E	50	52	N	29				
G	BALDOCK	8508.000	12	12	0616			?	RUS	FX		F1B	037	E	16	58	N	28	61	B		SECURE
INS	MSPA-SAMARINDA	8509.000	16	11	0217	0220	44.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8538.000	05	10	0207							F1B	144	E	51	13	N	32	168	B		
J	TOKYO	8538.000	04	11	0642				USA			F1B	144	E	39	13	N	20	169	B		GUM
J	TOKYO	8538.000	16	11	0216				USA			F1B	144	E	43	13	N	20	169	B		
INS	MSPA-SAMARINDA	8538.000	16	11	0225	0228	43.7			FG	1K00E	F1B										RTTY
J	TOKYO	8538.000	25	11	0120				USA			F1B	144	E	35	13	N	27	169	A		GUM
J	TOKYO	8538.000	02	12	1051				USA			F1B	144	E	44	13	N	15	169	A		GUM
J	TOKYO	8538.000	09	12	0848				USA			F1B	144	E	33	13	N	32	169	A		GUM
J	TOKYO	8538.000	27	12	0635				USA			F1B	144	E	39	13	N	57	172	B		GUM
INS	MSPA-SAMARINDA	8560.000	16	11	0228	0231	44.5		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	8563.740	19	11	0553	0557	21.8		TUR		2K90		027	E	13	38	N	22				
G	BALDOCK	8563.800	01	12	0530			?	CYP	FX		G1D							114	B		2400BD STANAG 4285
RUS	BELGOROD	8566.800	19	11	0600	0604	32.6		E		1K00	F1B	004	W	31	36	N	52				
G	BALDOCK	8575.400	12	12	1644			?	I	FX		G1D							127	A		STANAG 4285 SECURE
INS	MSPA-SAMARINDA	8590.000	16	11	0231	0234	45.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8614.000	16	11	0234	0237	45.1		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8616.990	27	12	0520				RUS			F1B	132	E	38	42	N	44	327	A		
J	TOKYO	8617.000	12	10	0111				RUS			F1B	131	E	49	42	N	58	320	A		
J	TOKYO	8617.000	04	11	0643				RUS			F1B	131	E	38	43	N	20	321	B		
J	TOKYO	8617.000	16	11	0219				RUS			F1B	132	E	58	43	N	05	325	B		
J	TOKYO	8617.000	21	12	0642				RUS			F1B	132	E	49	42	N	57	326	B		
RUS	BELGOROD	8634.420	19	11	0550	0553	33.7		F		2K80		006	E	04	43	N	09				
INS	MSCK-TANGERANG	8634.610	16	11	0000	0030		Unknown		FX	3K00E	H3E										-
J	TOKYO	8647.800	02	12	1057				F			J2B	166	E	37	22	S	11	152	B		NCL
INS	MSKH-KUPANG	8650.000	15	11	0100	0110	12.0	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8650.000	15	11	0301	0303	45.4		INS	MS	2K70E	J3E										JAVANESE LANGUAGE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	8654.000	12	10	0117				USA			F1B	145	E	10	14	N	09	167	A		GUM
J	TOKYO	8654.000	02	12	1104				USA			F1B	144	E	39	13	N	17	169	A		GUM
J	TOKYO	8654.000	09	12	0851				USA			F1B	144	E	57	13	N	32	168	A		GUM
J	TOKYO	8654.000	21	12	0648				USA			F1B	144	E	42	13	N	24	169	A		GUM
J	TOKYO	8654.000	27	12	0524				USA			F1B	144	E	39	13	N	57	172	B		GUM
J	TOKYO	8665.000	16	11	0221			XSG		FC		A1A	121	E	24	31	N	12	260	B		
INS	MSKH-KUPANG	8670.000	15	11	0200	0205	15.2	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
J	TOKYO	8676.000	19	10	1046				USA			F1B	156	W	38	20	N	27	87	A		HWA
J	TOKYO	8676.000	25	10	0939				USA			F1B	157	W	49	21	N	58	86	B		
J	TOKYO	8676.000	21	12	0652				USA			F1B	157	W	59	21	N	11	87	B		HWA
INS	MSPA-SAMARINDA	8677.000	15	11	0303	0306	43.7		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8678.200	02	12	1107				F			J2B	164	E	14	20	S	30	154	B		NCL
INS	MSKH-KUPANG	8680.000	15	11	0205	0210	12.4	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSKH-KUPANG	8685.000	15	11	0113	0115	15.5	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8687.000	15	11	0306	0309	44.6		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8694.000	04	11	0647							F1B							55	C		
J	TOKYO	8694.000	02	12	1108							F1B							53	C		
RUS	BELGOROD	8700.000	18	11	1230	1240	22.3		NOR		2K70		011	E	14	64	N	52				
INS	MSCK-TANGERANG	8708.720	15	11	0600	0700		Unknown		FX	3K00E	J3E										-
INS	MSKH-KUPANG	8710.000	15	11	0210	0215	10.1	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
RUS	S. PETERSBURG	8750.000	18	11	1920	1930	23.0		CYP		24K3	P0N	032	E	42	35	N	10	175	B		
INS	MSPA-SAMARINDA	8755.000	15	11	0309	0312	43.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSKH-KUPANG	8760.000	15	11	0230	0233	10.4	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8770.000	15	11	0312	0315	44.9		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSCK-TANGERANG	8770.470	15	11	0300	0330		Unknown		FX	3K00E	J3E										-
INS	MSKH-KUPANG	8775.000	15	11	0140	0145	22.5	UNKNOWN	INS	MS	2K80E	J3E										JAVANESE LANGUAGE
RUS	BELGOROD	8792.000	18	11	0605	0608	36.5		TUR		1K10	F1B	033	E	07	38	N	46				
RUS	S. PETERSBURG	8792.000	18	11	1730	1740	30.0		TUR	FX	1K17	F1B	030	E	05	36	N	53	180	B		
INS	MSPA-SAMARINDA	8800.000	15	11	0315	0318	45.2		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8800.650	05	10	0212				RUS				139	E	43	49	N	04	359	A		
I	ROMA	8812.000	04	11	1032	1032	27.0	TAH	TUR	FC	2K70E	J3E							87	A		METEO
INS	MSPA-SAMARINDA	8825.000	15	11	0318	0321	44.3		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	8840.000	15	11	0321	0325	44.8		INS	MS	2K70E	J3E										JAVANESE LANGUAGE
J	TOKYO	8849.000	04	11	0655				CHN			J3E	116	E	19	39	N	29	288	B		
J	TOKYO	8849.000	09	11	0550				CHN			J3E	115	E	27	39	N	38	289	B		
INS	MSPA-SAMARINDA	8855.000	12	11	2304	2306	42.6			MS	2K70E	J3E									11	CHINA LANGUAGE
INS	MSTM-MEDAN	8858.000	12	11			17.0	--		FX	3K50E	J3E										Radio Communication
G	BALDOCK	8870.000	17	12	0615			RUSSIAN PULSE	RUS	LR		P0N							73	A		
INS	MSPA-SAMARINDA	8882.000	12	11	2306	2309	51.5	BALI INFO	INS	FD	2K70E	J3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	8888.000	19	10	1049							J3E										
J	TOKYO	8888.000	02	12	1110				RUS			J3E	095	E	30	54	N	40	316	B		
INS	MSTM-MEDAN	8920.000	12	11			15.0	--		FX	H625E	F1B										TELEPRINTER
J	TOKYO	8927.000	05	10	0219			GUAM		FA		J2D										
J	TOKYO	8927.000	19	10	1051			GUAM		FA		J2D										
J	TOKYO	8927.000	09	11	0559			GUAM		FA		J2D										
J	TOKYO	8927.000	16	11	0228			GUAM		FA		J2D										
J	TOKYO	8927.000	02	12	1117			GUAM		FA		J2D										
J	TOKYO	8927.000	09	12	0909			GUAM		FA		J2D										
J	TOKYO	8939.000	19	10	1059			MUAN		FA		J2D	126	E	37	35	N	00	271	B		
G	BALDOCK	8948.000	19	12	2110			017 (TELDE)	E	FD		J1D							208	A		1800 BD ARINC HFDL
RUS	SMOLENSK	8957.000	17	11	0830	0930	8.0		IRL	FD	2K99	J3E	006	W	16	52	N	24	290	B		
INS	MSPA-SAMARINDA	8969.000	12	11	2323	2325	42.6				2K70E	J3E									11	CHINA LANGUAGE
INS	MSPA-SAMARINDA	8975.000	12	11	2325	2327	40.5				2K70E	J3E									11	CHINA LANGUAGE
G	BALDOCK	8977.000	19	12	2110			REYKJAVIK (STATION ID 003)	ISL	FD		J1D							325	A		1800 BD
RUS	SMOLENSK	8992.000	17	11	0900	1000	36.0		F	FG	100H	N0N	001	E	48	49	N	20	277	B		
RUS	MOROZOVSK	8992.000	17	11	2000	2030	5.0		F	BC	1K00	A3E	014	W	13	50	N	04	294	B		
INS	MSTM-MEDAN	9020.000	12	11			14.0	--		FX	2K50E	N0N										SIGNAL TONE
INS	MSTM-MEDAN	9060.000	11	11			15.0	--		FX	3K10E	J3E										Radio Communication
INS	MSTM-MEDAN	9070.000	11	11			19.0	--		FX	3K10E	J3E										Radio Communication
J	TOKYO	9071.500	01	12	2349				RUS				140	E	35	52	N	16	0	B		
J	TOKYO	9095.000	25	10	1008				KOR	BC		A3E	127	E	26	37	N	22	284	B		
J	TOKYO	9095.000	25	11	0140				KOR	BC		A3E	126	E	55	37	N	47	257	B		
RUS	BELGOROD	9095.400	16	11	0624	0627	40.3		F	FX	2K80		005	E	56	43	N	08				
G	BALDOCK	9096.800	19	12	2112			?	SEN	FX		G1D							208	A		STANAG 4285
J	TOKYO	9100.000	18	10	2347				KOR	BC		A3E	127	E	00	37	N	43	285	A		
J	TOKYO	9100.000	04	11	0746			ECHO OF HOPE		BC		A3E	126	E	59	37	N	27	284	B	11	KOR
INS	MSTM-MEDAN	9100.000	11	11			20.0	--		FX	2K10E	J3E										Radio Communication
INS	MSPA-SAMARINDA	9100.000	11	11	2301	2303	43.3	ECHO OF HOPE - VOH	KOR	BC	6K70E	A3E										
J	TOKYO	9100.000	16	11	0422				KRE				125	E	29	39	N	11	290	B		
J	TOKYO	9100.000	01	12	2354				KOR	BC		A3E	127	E	00	37	N	35	284	B		
RUS	BELGOROD	9100.400	16	11	0627	0630	26.4		F	FX	2K80		001	E	20	43	N	10				
J	TOKYO	9105.000	12	10	0132				KOR	BC		A3E	127	E	06	37	N	25	283	B		
J	TOKYO	9112.000	04	11	0750				USA			F1B	157	W	50	21	N	27	86	A		HWA
J	TOKYO	9119.990	05	10	0426			SOUND OF HOPE		BC		A3E	120	E	39	23	N	34	240	B	11	TAIWAN
INS	MSTM-MEDAN	9120.000	11	11			19.0	--		FX	3K10E	J3E										Radio Communication
INS	MSPA-SAMARINDA	9120.000	11	11	2304	2306	44.6	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
INS	MSPA-SAMARINDA	9120.000	11	11	2304	2306	44.7	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
J	TOKYO	9120.000	16	11	0426			SOUND OF HOPE		BC		A3E	120	E	33	23	N	43	240	B	11	TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	9120.010	21	12	0747			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9120.020	09	11	0607			SOUND OF HOPE		BC		A3E	120	E	54	22	N	41	238	B	11	TAIWAN
J	TOKYO	9120.020	09	12	1003			SOUND OF HOPE		BC		A3E	120	E	33	22	N	37	238	B	11	TAIWAN
J	TOKYO	9120.020	27	12	0604			SOUND OF HOPE		BC		A3E	120	E	48	24	N	02	241	B	11	TAIWAN
RUS	BELGOROD	9130.000	16	11	1101	1108	55.1		IRN	BC	7K10	A3E	059	E	12	29	N	29			11	
G	BALDOCK	9136.000	19	12	2114			?	RUS	FX		F1B							66	A		
J	TOKYO	9155.000	12	10	0135				CHN	BC		A3E	119	E	07	26	N	35	249	B		
KOR	CRMS	9155.000	13	10	0708	0708	20.5		CHN	BC		A3E									11	
J	TOKYO	9155.000	18	10	2354					BC		A3E										
J	TOKYO	9155.000	25	10	1009			CHINA N.R.		BC		A3E									11	
KOR	CRMS	9155.000	11	11	0522	0522	12.5		CHN	BC		A3E									11	
RUS	BELGOROD	9155.000	16	11	1015	1023	42.1		CHN	BC	7K70	A3E	121	E	27	24	N	53			11	
J	TOKYO	9155.000	25	11	0146				CHN	BC		A3E	118	E	32	26	N	00	247	B		
J	TOKYO	9155.000	01	12	2358				CHN	BC		A3E	119	E	27	25	N	36	246	B		
J	TOKYO	9155.000	09	12	1004			CHINA N.R.		BC		A3E	106	E	22	34	N	58	279	B	11	
KOR	CRMS	9155.000	13	12	0053	0053	18.9		CHN	BC		A3E									11	
J	TOKYO	9155.000	21	12	0749			CHINA N.R.		BC		A3E	116	E	40	25	N	49	251	A	11	
J	TOKYO	9155.000	27	12	0608			CHINA N.R.		BC		A3E	119	E	44	28	N	10	252	B	11	
J	TOKYO	9155.070	02	12	0000			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9165.000	19	10	0009			HLL2				F3C	128	E	12	36	N	01	275	A		
J	TOKYO	9165.000	25	10	1010				KOR			F3C	128	E	10	36	N	09	276	B		
J	TOKYO	9165.000	04	11	0754			HLL2				F3C	127	E	47	36	N	17	278	B		
J	TOKYO	9165.000	25	11	0155				KOR			F3C	128	E	18	36	N	22	276	B		
J	TOKYO	9165.000	02	12	0005			HLL2				F3C										
J	TOKYO	9165.000	21	12	0752			HLL2				F3C										
J	TOKYO	9169.000	21	12	0753							F1B										
KOR	CRMS	9180.000	02	10	0723	0723	20.7		CHN	BC		A3E									11	
J	TOKYO	9180.000	05	10	0440					BC		A3E							240	D		
INS	MSPA-SAMARINDA	9180.000	11	11	2306	2309	44.9	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
INS	MSPA-SAMARINDA	9180.000	11	11	2306	2309	43.5	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
KOR	CRMS	9180.000	08	12	0631	0631	23.3		CHN	BC		A3E									6	
J	TOKYO	9180.010	19	10	0011			SOUND OF HOPE		BC		A3E	120	E	35	22	N	52	238	B	11	TAIWAN
J	TOKYO	9180.010	04	11	0758			SOUND OF HOPE		BC		A3E	120	E	48	22	N	42	238	A	11	TAIWAN
J	TOKYO	9180.010	09	11	0609			SOUND OF HOPE		BC		A3E	120	E	22	23	N	08	240	B	11	TAIWAN
J	TOKYO	9180.020	12	10	0140			SOUND OF HOPE		BC		A3E	121	E	05	22	N	56	238	B	11	TAIWAN
J	TOKYO	9180.020	21	12	0754			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9180.020	27	12	0611			SOUND OF HOPE		BC		A3E	120	E	38	24	N	02	241	B	11	TAIWAN
J	TOKYO	9180.030	02	12	0013			SOUND OF HOPE		BC		A3E									11	
RUS	BELGOROD	9184.000	16	11	1108	1109	57.4		UKR		960H	F1B	023	E	26	50	N	07				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	9199.970	05	10	0445			SOUND OF HOPE		BC		A3E	126	E	38	33	N	31	263	B	11	KOR
KOR	CRMS	9200.000	11	10	0055	0055	14.9		CHN	BC		A3E									11	
J	TOKYO	9200.000	12	10	0143			SOUND OF HOPE		BC		A3E	126	E	19	33	N	20	263	B	11	KOR
KOR	CRMS	9200.000	11	11	0522	0522	10.1		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	9200.000	11	11	2309	2311	43.7	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
KOR	CRMS	9200.000	13	12	0708	0708	18.8		CHN	BC		A3E									11	
J	TOKYO	9200.030	19	10	0019			SOUND OF HOPE		BC		A3E	126	E	38	33	N	21	262	B	11	KOR
J	TOKYO	9200.170	16	11	0433			SOUND OF HOPE		BC		A3E							262	D	11	
J	TOKYO	9200.170	21	12	0758			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9200.180	09	11	0610			SOUND OF HOPE		BC		A3E	126	E	26	33	N	18	263	B	11	KOR
J	TOKYO	9200.180	27	12	0614			SOUND OF HOPE		BC		A3E	126	E	46	33	N	31	263	B	11	TAIWAN
INS	MSCK-TANGERANG	9207.530	11	11	0130	0200		Unknown		FX	3K00E	J3E										-
RUS	BELGOROD	9210.000	16	11	0845	0850	51.9		UKR		960H	F1B	023	E	26	50	N	07				
INS	MSPA-SAMARINDA	9215.000	11	11	2311	2313	45.3	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
INS	MSTM-MEDAN	9220.000	11	11			17.0	--		FX	3K10E	J3E										Radio Communication
J	TOKYO	9224.000	21	12	0801							F1B							331	B		
J	TOKYO	9225.000	21	12	0803			CHINA N.R.		BC		A3E	116	E	43	24	N	58	248	A	11	
J	TOKYO	9229.950	05	10	0448			SOUND OF HOPE		BC		A3E	121	E	32	24	N	38	241	B	11	TAIWAN
J	TOKYO	9229.950	04	11	0805			SOUND OF HOPE		BC		A3E	120	E	38	24	N	15	242	A	11	TAIWAN
J	TOKYO	9229.950	16	11	0436				CHN	BC		A3E	121	E	27	24	N	47	241	B		TAIWAN
J	TOKYO	9229.960	12	10	0149			SOUND OF HOPE		BC		A3E	120	E	50	24	N	20	241	B	11	TAIWAN
J	TOKYO	9229.960	09	12	1005			SOUND OF HOPE		BC		A3E	120	E	20	23	N	41	241	B	11	TAIWAN
J	TOKYO	9229.960	21	12	0802			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9229.970	09	11	0610			SOUND OF HOPE		BC		A3E	120	E	52	23	N	32	240	B	11	TAIWAN
J	TOKYO	9229.970	02	12	0020			SOUND OF HOPE		BC		A3E	121	E	34	24	N	22	240	B	11	TAIWAN
J	TOKYO	9229.980	27	12	0616			SOUND OF HOPE		BC		A3E	121	E	12	24	N	26	241	B	11	TAIWAN
KOR	CRMS	9230.000	05	10	2150	2150	17.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	9230.000	11	11	2313	2315	43.1	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									11	TAIWAN
J	TOKYO	9254.930	25	10	1011			SOUND OF HOPE		BC		A3E	106	E	45	48	N	17	308	B	11	MNG
J	TOKYO	9255.000	05	10	0451					BC		A3E							248	D		
KOR	CRMS	9255.000	11	10	0055	0055	6.1		CHN	BC		A3E									11	
J	TOKYO	9255.000	12	10	0150				CHN	BC		A3E	118	E	13	25	N	22	248	B		
J	TOKYO	9255.000	19	10	0025			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	9255.000	04	11	0048	0048	49.1		THA	BC		A3E									11	
J	TOKYO	9255.000	04	11	0820			CHINA N.R.		BC		A3E	106	E	27	29	N	29	267	B	11	
J	TOKYO	9255.000	09	11	0611			CHINA N.R.		BC		A3E	119	E	15	26	N	51	250	B	11	
INS	MSPA-SAMARINDA	9255.000	10	11	0310	0314	45.7	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
KOR	CRMS	9255.000	11	11	0523	0523	10.7		CHN	BC		A3E									11	
RUS	IRKUTSK	9255.000	15	11	0730	0800	20.0		CHN	BC	10K7	A3E	117	E	34	25	N	20	156	A	11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	9255.000	16	11	0439					BC		A3E										
J	TOKYO	9255.000	02	12	0023				CHN	BC		A3E	108	E	59	34	N	30	277	A		
J	TOKYO	9255.000	09	12	1005			CHINA N.R.		BC		A3E	119	E	49	27	N	04	250	B	11	
KOR	CRMS	9255.000	13	12	0053	0053	12.8		CHN	BC		A3E									11	
J	TOKYO	9255.000	27	12	0618			CHINA N.R.		BC		A3E									11	
KOR	CRMS	9275.000	12	10	1211	1211	0.2		PHL	BC		A3E									11	
J	TOKYO	9275.000	25	10	1012				PHL	BC		A3E	121	E	03	14	N	55	225	B		
RUS	BELGOROD	9275.000	15	11	1112	1115	64.0		PHL	BC	9K10	A3E	120	E	49	16	N	02			11	
RUS	ARKHANGELSK	9275.000	15	11	1200	1210	54.0		PHL	BC	2K98	A3E							90	B		
J	TOKYO	9275.000	09	12	1006				PHL	BC		A3E	120	E	41	15	N	14	226	B		
RUS	S. PETERSBURG	9275.001	15	11	1520	1531	44.0		PHL	BC		A3E	120	E	44	14	N	52	82	B		
J	TOKYO	9276.000	12	10	0152				CHN			R3E	120	E	53	24	N	29	242	B		TAIWAN
KOR	CRMS	9280.000	08	10	2146	2146	23.5		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	9280.000	10	11	0317	0321	45.4	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
J	TOKYO	9280.110	09	11	0611			SOUND OF HOPE		BC		A3E	121	E	22	24	N	41	241	B	11	TAIWAN
J	TOKYO	9280.110	21	12	0804			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9280.120	02	12	0027			SOUND OF HOPE		BC		A3E	120	E	09	23	N	05	240	B	11	TAIWAN
J	TOKYO	9299.940	05	10	0455			SOUND OF HOPE		BC		A3E	121	E	27	25	N	07	242	B	11	TAIWAN
J	TOKYO	9299.940	04	11	0826			SOUND OF HOPE		BC		A3E	120	E	38	24	N	02	241	B	11	TAIWAN
J	TOKYO	9299.950	12	10	0157			SOUND OF HOPE		BC		A3E	120	E	55	24	N	20	241	B	11	TAIWAN
J	TOKYO	9299.950	19	10	0031			SOUND OF HOPE		BC		A3E	121	E	29	24	N	07	240	B	11	TAIWAN
J	TOKYO	9299.950	16	11	0442				CHN	BC		A3E	121	E	10	24	N	20	241	B		TAIWAN
J	TOKYO	9299.950	09	12	1007			SOUND OF HOPE		BC		A3E	121	E	21	24	N	52	242	B	11	TAIWAN
J	TOKYO	9299.960	25	10	1012			SOUND OF HOPE		BC		A3E	121	E	15	24	N	08	240	B	11	TAIWAN
J	TOKYO	9299.960	09	11	0611			SOUND OF HOPE		BC		A3E	121	E	16	25	N	01	242	B	11	TAIWAN
J	TOKYO	9299.960	21	12	0805			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9299.980	02	12	0036			SOUND OF HOPE		BC		A3E	121	E	39	24	N	40	241	B	11	TAIWAN
KOR	CRMS	9300.000	16	10	0609	0609	2.6		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	9300.000	10	11	0324	0327	45.6	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
KOR	CRMS	9300.000	18	11	0131	0131	3.4		CHN	BC		A3E									11	
RUS	BELGOROD	9305.000	15	11	1115	1119	58.2		TJK	BC	8K40	A3E	068	E	47	37	N	32			11	
RUS	NOVOSIBIRSK	9305.000	15	11	1130	1200	17.0		CHN	BC		A3E	118	E	52	25	N	58	123	A	11	
KOR	CRMS	9310.000	03	10	1824	1824	21.4		THA	BC		A3E									11	
RUS	BELGOROD	9315.000	15	11	1320	1325	65.5		CHN	BC	8K70	A3E	102	E	46	25	N	02			11	
RUS	S. PETERSBURG	9315.000	15	11	1450	1500	53.0		TJK	BC		A3E	068	E	53	38	N	33	114	B		
RUS	SAMARA	9315.000	15	11	1530	1600	20.0		TJK	BC	10K0	A3E	068	E	47	37	N	32				
INS	MSCK-TANGERANG	9320.000	10	11	0530	0600		SOH RELY RFA	CHN	BC	9K00	A3E										-
RUS	S. PETERSBURG	9329.994	15	11	1510	1520	50.0		USA	BC		A3E							309	C		
G	BALDOCK	9330.000	19	12	2116			WBCQ	USA	BC		A3E							288	A		MONTICELLO TX SITE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	9335.000	15	11	1335	1342	65.2		PHL	BC	9K70	A3E	120	E	49	16	N	02			11	
J	TOKYO	9339.810	05	10	0510				CHN	BC		A3E	120	E	26	23	N	26	239	B		TAIWAN
J	TOKYO	9339.830	19	10	0034			SOUND OF HOPE		BC		A3E	120	E	26	22	N	50	240	B	11	TAIWAN
J	TOKYO	9339.830	04	11	0832			SOUND OF HOPE		BC		A3E	120	E	53	23	N	26	239	A	11	TAIWAN
J	TOKYO	9339.840	25	10	1013			SOUND OF HOPE		BC		A3E	120	E	59	22	N	48	238	B	11	TAIWAN
J	TOKYO	9339.840	09	11	0612			SOUND OF HOPE		BC		A3E	120	E	55	22	N	48	238	B	11	TAIWAN
J	TOKYO	9339.840	16	11	0446				CHN	BC		A3E	120	E	28	23	N	28	240	B		TAIWAN
J	TOKYO	9339.840	21	12	0807			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9339.840	27	12	0623			SOUND OF HOPE		BC		A3E	121	E	02	23	N	03	238	B	11	TAIWAN
J	TOKYO	9339.850	09	12	1007			SOUND OF HOPE		BC		A3E	120	E	42	22	N	33	238	B	11	TAIWAN
J	TOKYO	9339.860	02	12	0043			SOUND OF HOPE		BC		A3E	120	E	28	23	N	04	239	B	11	TAIWAN
KOR	CRMS	9340.000	05	10	2151	2151	28.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	9340.000	10	11	0330	0333	43.5	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
KOR	CRMS	9340.000	18	11	0132	0132	1.4		CHN	BC		A3E									11	
RUS	S. PETERSBURG	9344.973	15	11	1530	1540	38.0		PHL	BC		A3E	121	E	07	15	N	25	81	B		
KOR	CRMS	9345.000	13	10	1526	1526	13.8		PHL	BC		A3E									11	
KOR	CRMS	9350.000	05	10	2152	2152	15.8		USA	BC		A3E									11	
J	TOKYO	9350.000	12	10	0158				CHN	BC		A3E	110	E	45	37	N	43	284	B		
KOR	CRMS	9350.000	12	10	1212	1212	20.8		PHL	BC		A3E									11	
G	BALDOCK	9350.000	19	12	2117			WWCR	USA	BC		A3E							291	A		NASHVILLE TX SITE
J	TOKYO	9352.000	21	12	0809							F1B							333	B		
J	TOKYO	9370.000	12	10	0202				CHN	BC		A3E	110	E	45	36	N	21	280	B		
J	TOKYO	9370.000	25	10	1014			SOUND OF HOPE		BC		A3E							296	C		
RUS	ARKHANGELSK	9370.000	15	11	1210	1220	41.0		THA	BC	2K98	A3E							108	B		
RUS	SAMARA	9370.000	15	11	1330	1400	17.0		THA	BC	10K0	A3E	103	E	12	17	N	40				
RUS	BELGOROD	9370.000	15	11	1342	1347	63.5		THA	BC	9K70	A3E	103	E	25	15	N	49			11	
J	TOKYO	9380.000	25	10	1015				USA			F1B	144	E	52	13	N	34	168	B		
J	TOKYO	9380.000	04	11	0836				USA			F1B	144	E	39	13	N	29	169	A		GUM
INS	MSTM-MEDAN	9380.000	10	11	0004		18.0	--		FX	3K10E	J3E										Radio Communication
INS	MSCK-TANGERANG	9380.000	10	11	0230	0300		AIR NEW DELHI (VIVIDH BHARATI)	IND	BC	9K00	A3E									-	
J	TOKYO	9380.000	25	11	0203							F1B							167	C		
J	TOKYO	9380.000	02	12	0050				USA			F1B	142	E	52	13	N	28	168	A		GUM
J	TOKYO	9380.000	09	12	1007				USA			F1B	144	E	53	13	N	32	168	B		GUM
KOR	CRMS	9390.000	06	10	1511	1511	33.3		UZB	BC		A3E									11	
KOR	CRMS	9390.000	16	10	1538	1538	11.0		TJK	BC		A3E									11	
J	TOKYO	9394.000	09	11	0613				CHN			A1A	118	E	57	29	N	40	257	B		
J	TOKYO	9395.000	05	10	0517					BC		A3E							30	C		
G	BALDOCK	9395.000	19	12	2118			WRMI SUPREME MASTER TV	USA	BC		A3E							280	B		OKEECHOBEE TX SITE
J	TOKYO	9399.970	09	12	1008				PHL	BC		A3E	120	E	53	17	N	28	229	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	9399.980	25	10	1015				PHL	BC		A3E	120	E	34	15	N	34	226	B		
KOR	CRMS	9400.000	11	10	0913	0913	2.8		CHN	BC		A3E									6	
KOR	CRMS	9400.000	14	10	1001	1001	13.1		PHL	BC		A3E									6	
RUS	BELGOROD	9400.000	15	11	0550	0555	38.9		BUL	BC	6K60	A3E	023	E	11	42	N	48				
RUS	SAMARA	9400.000	15	11	0730	0800	30.0		I	BC	10K0	A3E	017	E	23	40	N	37	253	A		
RUS	BELGOROD	9400.000	15	11	1119	1121	48.6		PHL	BC	9K90	A3E	120	E	49	16	N	02				
RUS	SAMARA	9400.000	15	11	1130	1200	21.0		PHL	BC	10K0	A3E	119	E	57	15	N	20				
RUS	ARKHANGELSK	9400.000	15	11	1220	1230	40.0		PHL	BC	2K93	A3E							90	B		
G	BALDOCK	9400.000	27	12	1605			THE OVERCOMER MINISTRY	BUL	BC		A3E							111	A		KOSTINBROD (SOFIA)
J	TOKYO	9402.000	05	10	0520				CHN			J3E	110	E	25	32	N	54	272	B		
KOR	CRMS	9405.000	17	10	0025	0025	9.1		PHL	BC		A3E									6	
KOR	CRMS	9405.000	15	11	0022	0022	6.2		CHN	BC		A3E									6	
KOR	CRMS	9410.000	11	10	0914	0914	12.9		CHN	BC		A3E									6	
INS	MSTM-MEDAN	9410.000	10	11			28.0	BBC		BC	10K0E	A3E										Broadcasting
INS	MSCK-TANGERANG	9410.000	10	11	0100	0130		BBC	THA	BC	9K00	A3E										-
RUS	BELGOROD	9410.000	15	11	0615	0618	62.7		G	BC	9K80	A3E	002	W	49	52	N	16				
RUS	ARKHANGELSK	9410.000	15	11	1400	1410	33.0	Voice of Turkey	TUR	BC	2K24	A3E							194	B		
KOR	CRMS	9410.000	17	11	0726	0726	-7.2		CHN	BC		A3E									6	
J	TOKYO	9415.000	10	11	0800			CHINA R.I.	CHN	BC		A3E										
RUS	NOVOSIBIRSK	9415.000	15	11	0800	0830	22.0		CHN	BC		A3E	108	E	07	29	N	39	134	A		
RUS	SLAVYANKA	9415.000	15	11	0900	0930	80.0		CHN	BC	3K34	A3E	109	E	20	33	N	12	248	A		
J	TOKYO	9417.000	25	11	0210				RUS			F1B	131	E	51	43	N	12	324	A		
KOR	CRMS	9420.000	01	10	2138	2138	34.7		GRC	BC		A3E									6	
J	TOKYO	9420.000	12	10	0205				CHN	BC		D7W	125	E	25	46	N	53	320	B		
INS	MSPA-SAMARINDA	9420.000	09	11	0111	0113	40.7	PBS NEI MENGGU	CHN	BC	6K70E	A3E										
RUS	BELGOROD	9420.000	15	11	1121	1126	50.9		CHN	BC	8K80	A3E	111	E	55	35	N	53				
RUS	SAMARA	9420.000	15	11	1130	1200	23.0		CHN	BC	10K0	A3E	111	E	50	36	N	52	79	A		
RUS	ARKHANGELSK	9420.000	15	11	1230	1240	34.0		CHN	BC	2K97	A3E							88	B		
G	BALDOCK	9420.000	27	12	1612			CNR 13	CHN	BC		A3E							59	B		LINGSHI TX SITE
G	BALDOCK	9425.000	27	12	1620			VOICE OF KOREA	KRE	BC		A3E							38	B		KUJANG TX SITE
G	BALDOCK	9435.000	27	12	1634			VOICE OF KOREA	KOR	BC		A3E							36	B		KUJANG TX SITE
INS	MSTM-MEDAN	9440.000	10	11			16.0	--		FX	2K15E	J3E										Radio Communication
J	TOKYO	9440.000	10	11	0900			CHINA R.I.	CHN	BC		A3E										
RUS	BELGOROD	9440.000	15	11	0704	0709	50.7		G	BC	9K50	A3E	014	W	22	07	S	54				
RUS	BELGOROD	9440.000	15	11	1126	1130	53.3		CHN	BC	6K50	A3E	102	E	46	25	N	02				
KOR	CRMS	9440.000	29	11	0124	0124	35.1		RUS	BC		A3E									6	
KOR	CRMS	9445.000	26	10	0423	0423	38.0		KRE	BC		A3E									6	
KOR	CRMS	9445.000	11	11	0524	0524	27.0		CHN	BC		A3E									6	
KOR	CRMS	9445.000	16	11	0451	0451	10.9	KCB	KRE	BC		A3E									3	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	9445.000	03	12	0510	0510	57.6	KCB	KRE	BC		A3E										3
RUS	BELGOROD	9450.000	15	11	1130	1135	54.7		CHN	BC	7K10	A3E	086	E	54	44	N	09				
RUS	BELGOROD	9450.000	15	11	1400	1404	65.4		CLN	BC	9K10	A3E	081	E	07	08	N	44				
KOR	CRMS	9450.000	29	11	0124	0124	28.8		CHN	BC		A3E										6
J	TOKYO	9450.000	15	12	1100			CHINA R.I.	CHN	BC		A3E										
G	BALDOCK	9455.000	27	12	1635			RADIO FREE ASIA	USA	BC		A3E							55	B		
KOR	CRMS	9460.000	07	10	1836	1836	34.8		TUR	BC		A3E										6
INS	MSTM-MEDAN	9460.000	09	11			30.0	China Radio Int.	CHN	BC	10K0E	A3E										Broadcasting
INS	MSPA-SAMARINDA	9460.000	09	11	0105	0108	45.2	China Radio International	CHN	BC	6K70E	A3E										
RUS	MOROZOVSK	9460.000	12	11	1200	1215	16.0		UZB	BC	9K00	A3E	069	E	17	40	N	49	101	B		
RUS	BELGOROD	9460.000	12	11	1235	1240	53.9		UZB	BC	13K0	A3E	069	E	09	41	N	13				
RUS	S. PETERSBURG	9460.000	12	11	1330	1345	58.0		PHL	BC	9K79	A3E	120	E	29	17	N	36	81	B		
KOR	CRMS	9470.000	02	10	1533	1533	38.2		CHN	BC		A3E										6
KOR	CRMS	9470.000	16	10	1539	1539	16.2		CLN	BC		A3E										6
RUS	BELGOROD	9470.000	12	11	0540	0544	46.4		CHN	BC	8K10	A3E	086	E	54	44	N	09				
RUS	NOVOSIBIRSK	9470.000	12	11	0600	0630	18.0		CHN	BC		A3E	087	E	10	43	N	14	166	A		
RUS	IRKUTSK	9470.000	12	11	0600	0630	16.0		CHN	BC		A3E	087	E	10	43	N	14	238	A		
RUS	ARKHANGELSK	9470.000	12	11	1015	1020	24.0		CHN	BC		A3E							111	B		
RUS	S. PETERSBURG	9470.000	12	11	1540	1555	65.0		D	BC	13K1	A3E	008	E	25	50	N	16	241	B		
KOR	CRMS	9470.000	01	12	0710	0710	28.4		D	BC		A3E										11
KOR	CRMS	9470.000	27	12	0024	0024	18.9		CHN	BC		A3E										3
KOR	CRMS	9475.000	15	10	1216	1216	27.0		CHN	BC		A3E										6
RUS	S. PETERSBURG	9489.997	12	11	1600	1610	48.0		D	BC		A3E	008	E	25	50	N	16	241	B		
KOR	CRMS	9500.000	04	10	1830	1830	42.2		ROU	BC		A3E										6
KOR	CRMS	9500.000	08	10	0548	0548	47.3		CHN	BC		A3E										6
INS	MSPA-SAMARINDA	9500.000	09	11	0108	0111	44.8	CNR 1 VOICE OF CHINA	CHN	BC	6K70E	A3E										
INS	MSCK-TANGERANG	9500.000	09	11	0600	0630		CNR 1	CHN	BC	9K00	A3E										-
RUS	IRKUTSK	9500.000	12	11	0130	0200	15.0		CHN	BC		A3E	114	E	03	38	N	01	153	A		
RUS	NOVOSIBIRSK	9500.000	12	11	0130	0200	12.0		CHN	BC		A3E	114	E	03	38	N	01	116	A		
KOR	CRMS	9500.000	14	12	0421	0421	8.7		CHN	BC		A3E										6
KOR	CRMS	9505.000	02	10	1534	1534	38.7		TUR	BC		A3E										6
RUS	BELGOROD	9509.880	12	11	0544	0548	50.4		CHN	BC	9K70	A3E	086	E	54	44	N	09				
RUS	IRKUTSK	9510.000	12	11	0630	0700	25.0		CHN	BC		A3E	087	E	26	43	N	39	239	A		
RUS	NOVOSIBIRSK	9510.000	12	11	0630	0700	24.0		CHN	BC		A3E	087	E	26	43	N	39	164	A		
RUS	ARKHANGELSK	9515.000	12	11	1020	1030	27.0	China Radio Int.	CHN	BC		A3E							123	B		
G	BALDOCK	9515.000	27	12	1655			KBS WORLD RADIO	KOR	BC		A3E							40	B		KIMJAE TX SITE
KOR	CRMS	9520.000	26	10	2146	2146	32.0		CHN	BC		A3E										6
KOR	CRMS	9520.000	01	11	0158	0158	34.2		CHN	BC		A3E										6
RUS	IRKUTSK	9520.000	12	11	0130	0200	25.0		CHN	BC		A3E	111	E	29	41	N	18	156	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	MOROZOVSK	9520.000	12	11	1215	1230	37.0		CHN	BC	9K00	A3E	086	E	57	44	N	08	81	B		
RUS	BELGOROD	9520.000	12	11	1240	1244	63.5		CHN	BC	9K60	A3E	086	E	54	44	N	09				
RUS	S. PETERSBURG	9520.000	12	11	1310	1320	72.0		CHN	BC	9K89	A3E	087	E	28	43	N	46	89	B		
KOR	CRMS	9520.000	17	12	0453	0453	3.0		CHN	BC		A3E										11
KOR	CRMS	9525.000	06	10	1513	1513	39.4		KWT	BC		A3E										6
KOR	CRMS	9525.000	10	10	1839	1839	47.6		F	BC		A3E										6
KOR	CRMS	9530.000	11	10	0057	0057	15.3	CNR	CHN	BC		A3E										3
INS	MSPA-SAMARINDA	9530.000	09	11	0113	0116	42.5	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
KOR	CRMS	9530.000	11	11	0525	0525	18.9	CNR	CHN	BC		A3E										3
RUS	NOVOSIBIRSK	9530.000	12	11	0600	0630	8.0		CHN	BC		A3E	107	E	08	34	N	00	131	A		
RUS	IRKUTSK	9530.000	12	11	0600	0630	6.0		CHN	BC		A3E	107	E	08	34	N	00	174	A		
RUS	SLAVYANKA	9530.000	12	11	0850	0920	50.0		CHN	BC	14K1	A3E	112	E	33	36	N	43	253	A		
KOR	CRMS	9530.000	30	11	0447	0447	15.1		ALG	BC		A3E										6
KOR	CRMS	9530.000	13	12	0710	0710	21.4	CNR	CHN	BC		A3E										11
RUS	BELGOROD	9535.000	12	11	0600	0603	48.0		G	BC	10K0	A3E	002	W	49	52	N	16				
RUS	S. PETERSBURG	9535.000	12	11	0610	0630	40.0		G	BC	10K6	A3E							260	C		
RUS	ARKHANGELSK	9540.000	12	11	1030	1040	48.0	China Radio Int.	CHN	BC	2K10	A3E							85	B		
RUS	MOROZOVSK	9540.000	12	11	1230	1245	14.0		CHN	BC	3K00	A3E	101	E	27	25	N	10	94	B		
RUS	BELGOROD	9540.000	12	11	1244	1249	65.8		CHN	BC	9K60	A3E	102	E	29	24	N	53				
RUS	S. PETERSBURG	9540.000	12	11	1445	1458	72.0		UZB	BC		A3E	069	E	12	40	N	50	111	B		
G	BALDOCK	9540.000	27	12	1700			RADIO IBRAHIM	UAE			A3E							111	C		
INS	MSCK-TANGERANG	9545.000	09	11	0430	0500		SOLOMON ISLANDS BC	SLM	BC	9K00	A3E										-
KOR	CRMS	9550.000	26	10	1304	1304	24.9		CHN	BC		A3E										6
INS	MSTM-MEDAN	9550.000	09	11			16.0	China Radio Int.	CHN	BC	7K00E	A3E										Broadcasting
INS	MSPA-SAMARINDA	9550.000	09	11	0116	0119	44.3	China Radio International	CHN	BC	9K00E	A3E										
KOR	CRMS	9555.000	14	10	1002	1002	15.6		CHN	BC		A3E										6
KOR	CRMS	9555.000	24	10	1002	1002	31.2		CHN	BC		A3E										6
RUS	ARKHANGELSK	9555.000	12	11	1040	1050	44.0		CHN	BC	2K66	A3E							88	B		
RUS	MOROZOVSK	9555.000	12	11	1245	1300	30.0		CHN	BC	16K0	A3E	110	E	00	18	N	47	96	B		
J	TOKYO	9560.000	10	11	0000			CHINA R.I.	CHN	BC		A3E										
RUS	BELGOROD	9560.000	12	11	0548	0553	49.2		CHN	BC	9K70	A3E	087	E	17	43	N	26				
RUS	S. PETERSBURG	9570.000	12	11	0630	0650	50.0		F	BC	7K80	A3E							241	C		
RUS	BELGOROD	9570.000	12	11	0640	0643	46.3		F	BC	9K90	A3E	001	E	53	46	N	57				
G	BALDOCK	9570.000	27	12	1713			CRI	CHN	BC		A3E							45	B		BEIJING TX SITE
KOR	CRMS	9575.000	04	10	1833	1833	19.2		SWZ	BC		A3E										6
INS	MSCK-TANGERANG	9575.000	09	11	0300	0330		PBS RADIO NG BAYAN	PHL	BC	9K00	A3E										-
KOR	CRMS	9580.000	05	10	2155	2155	55.8		USA	BC		A3E										6
KOR	CRMS	9580.000	12	10	1213	1213	7.7		CHN	BC		A3E										6
J	TOKYO	9580.000	27	10	0055			KBS WORLD R.	KOR	BC		A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSPA-SAMARINDA	9580.000	09	11	0119	0123	43.7	KBS WORLD RADIO	KOR	BC	9K00E	A3E										
RUS	ARKHANGELSK	9580.000	12	11	1100	1110	29.0	Radio Free Asia	CHN	BC		A3E							88	B		
J	TOKYO	9585.000	28	10	1500			CHINA R.I.	CHN	BC		A3E										
G	BALDOCK	9585.000	27	12	1717			BBC W/S	UAE			A3E							120			AL-DHABBIYA TX
J	TOKYO	9590.000	28	10	2200			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	9590.000	09	11	0123	0126	42.6	China Radio International	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	9590.000	09	11	0230	0300		CHINA RADIO INTERNATIONAL	CHN	BC	9K00	A3E										-
RUS	ARKHANGELSK	9590.000	12	11	1110	1120	26.0	China Radio Int.	CHN	BC		A3E							105	B		
RUS	MOROZOVSK	9590.000	12	11	1300	1315	32.0		CHN	BC	9K00	A3E	114	E	15	36	N	48	74	B		
RUS	S. PETERSBURG	9590.000	12	11	1430	1445	71.0		CHN	BC		A3E	075	E	43	39	N	30	105	B		
INS	MSCK-TANGERANG	9595.000	09	11	0200	0230		RADIO NIKKEI 1	J	BC	9K00	A3E										-
RUS	S. PETERSBURG	9599.999	12	11	1500	1515	83.0		CHN	BC		A3E	075	E	43	39	N	30	105	B		
KOR	CRMS	9600.000	08	10	0548	0548	25.6	CNR	CHN	BC		A3E										3
KOR	CRMS	9600.000	31	10	0029	0029	37.2		PHL	BC		A3E										6
KOR	CRMS	9610.000	14	10	1003	1003	26.0		CHN	BC		A3E										6
KOR	CRMS	9610.000	26	10	1304	1304	13.4		CHN	BC		A3E										6
INS	MSTM-MEDAN	9610.000	09	11			16.0	China Radio Int.	CHN	BC	7K00E	A3E										Broadcasting
INS	MSPA-SAMARINDA	9610.000	09	11	0126	0130	45.1	China Radio International	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	9610.000	09	11	0130	0200		CNR 8	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	9610.000	12	11	0130	0200	27.0		CHN	BC		A3E	116	E	28	39	N	54	110	A		
RUS	IRKUTSK	9610.000	12	11	0130	0200	29.0		CHN	BC		A3E	116	E	28	39	N	54	143	A		
RUS	ARKHANGELSK	9610.000	12	11	1120	1130	47.0		USA	BC	2K98	A3E							71	B		
KOR	CRMS	9610.000	30	11	0449	0449	33.8		CHN	BC		A3E										6
KOR	CRMS	9610.000	07	12	0450	0450	53.6		CHN	BC		A3E										3
KOR	CRMS	9610.000	21	12	0438	0438	27.4		CHN	BC		A3E										6
INS	MSCK-TANGERANG	9620.000	09	11	0100	0130		CNR 2	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	9620.000	09	11	0130	0133	44.4	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	9620.000	12	11	0130	0200	10.0		CHN	BC		A3E	116	E	33	39	N	48	110	A		
RUS	IRKUTSK	9620.000	12	11	0130	0200	13.0		CHN	BC		A3E	116	E	33	39	N	48	142	A		
RUS	SLAVYANKA	9620.000	12	11	0530	0600	68.0		CHN	BC	12K0	A3E	115	E	36	38	N	52	257	A		
KOR	CRMS	9620.000	14	12	0424	0424	27.4		CHN	BC		A3E										6
INS	MSTM-MEDAN	9630.000	09	11			20.0	Voice Of China	CHN	BC	7K00E	A3E										Broadcasting
INS	MSCK-TANGERANG	9630.000	09	11	0030	0100		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
KOR	CRMS	9635.000	20	10	0632	0632	15.5		CHN	BC		A3E										6
KOR	CRMS	9635.000	26	10	0425	0425	15.0		CHN	BC		A3E										6
INS	MSCK-TANGERANG	9635.000	09	11	0000	0030		VOICE OF VITENAM 1	VTN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	9635.000	09	11	0133	0139	45.5	VOICE OF VIETNAM 1	VTN	BC	6K70E	A3E										
KOR	CRMS	9635.000	15	11	0024	0024	12.5		CHN	BC		A3E										6

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	9635.000	20	12	0020	0020	8.1		CHN	BC		A3E									11	
RUS	S. PETERSBURG	9635.001	12	11	1345	1400	81.0		VTN	BC	15K8	A3E	105	E	48	21	N	08	91	B		
KOR	CRMS	9645.000	08	10	0549	0549	56.5		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	9645.000	12	11	0630	0700	24.0		CHN	BC		A3E	116	E	28	39	N	53	110	A		
RUS	IRKUTSK	9645.000	12	11	0630	0700	26.0		CHN	BC		A3E	116	E	28	39	N	53	143	A		
RUS	ARKHANGELSK	9645.000	12	11	1130	1140	27.0	China Radio Int.	CHN	BC		A3E							86	B		
KOR	CRMS	9645.000	30	11	0450	0450	34.1		CHN	BC		A3E									6	
J	TOKYO	9650.000	28	10	2100			V.O. KOREA	KRE	BC		A3E										
RUS	SMOLENSK	9650.000	11	11	1000	1100	30.0		CHN	BC	2K99	A3E	085	E	27	42	N	38	136	B		
J	TOKYO	9650.000	16	12	2200			V.O. KOREA	KRE	BC		A3E										
RUS	SMOLENSK	9660.000	11	11	1000	1100	31.0		CHN	BC	2K97	A3E	113	E	47	24	N	40	111	B		
RUS	S. PETERSBURG	9660.000	11	11	1010	1030	30.0		CHN	BC		A3E	116	E	16	27	N	57	78	B		
RUS	ARKHANGELSK	9660.000	11	11	1040	1050	46.0	CNR1	CHN	BC	2K10	A3E							86	B		
RUS	SLAVYANKA	9660.000	11	11	1150	1220	61.0		CHN	BC	1K99	A3E	117	E	55	28	N	25	221	A		
KOR	CRMS	9665.000	19	10	0354	0354	16.1		KRE	BC		A3E									6	
KOR	CRMS	9665.000	26	10	0426	0426	38.3		CHN	BC		A3E									6	
KOR	CRMS	9665.000	01	11	0200	0200	54.4		KRE	BC		A3E									6	
INS	MSPA-SAMARINDA	9665.000	08	11	0101	0106	44.1	KBS PYONGYANG	KRE	BC	6K70E	A3E										
INS	MSCK-TANGERANG	9665.000	08	11	0600	0700		KCBS PYONYANG	KRE	BC	9K00	A3E									-	
RUS	MOROZOVS	9665.000	11	11	1030	1045	55.0		CHN	BC	3K00	A3E	109	E	40	33	N	51	80	C		
KOR	CRMS	9665.000	01	12	0715	0715	50.4		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	9670.000	08	11	0106	0108	45.8	VOICE OF AMERICA	THA	BC	6K70E	A3E										
RUS	BELGOROD	9670.000	11	11	0711	0715	50.5		D	BC	9K00	A3E	011	E	32	48	N	36				
RUS	SMOLENSK	9670.000	11	11	0800	0900	30.0		D	BC	2K67	A3E	011	E	17	48	N	22	101	B		
KOR	CRMS	9670.000	22	11	0022	0022	30.2		CHN	BC		A3E									6	
KOR	CRMS	9675.000	26	10	1305	1305	28.5		CHN	BC		A3E									6	
J	TOKYO	9675.000	28	10	2200			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	9675.000	08	11	0108	0110	44.9	CNR 1 VOICE OF CHINA	CHN	BC	6K70E	A3E										
RUS	NOVOSIBIRSK	9675.000	11	11	0200	0230	16.0		CHN	BC		A3E	116	E	48	39	N	59	110	A		
RUS	SLAVYANKA	9675.000	11	11	0730	0800	64.0		CHN	BC	880H	A3E	116	E	13	38	N	51	256	A		
RUS	IRKUTSK	9675.000	11	11	0915	0945	45.0		CHN	BC		A3E	115	E	17	40	N	01	146	A		
KOR	CRMS	9675.000	19	11	0505	0505	25.7		CHN	BC		A3E									6	
KOR	CRMS	9675.000	06	12	0050	0050	55.0		CHN	BC		A3E									11	
RUS	MOROZOVS	9680.000	11	11	1045	1100	53.0		CHN	BC	3K00	A3E	109	E	00	33	N	04	81	C		
RUS	ARKHANGELSK	9680.000	11	11	1050	1100	55.0		CHN	BC	2K55	A3E							88	B		
RUS	S. PETERSBURG	9680.000	11	11	1100	1120	49.0		CHN	BC		A3E							75	C		
RUS	SLAVYANKA	9680.000	11	11	1120	1150	63.0		CHN	BC	2K26	A3E	115	E	12	23	N	16	219	A		
RUS	SAMARA	9680.000	11	11	1130	1200	25.0		CHN	BC	10K0	A3E	120	E	18	23	N	43	91	A		
KOR	CRMS	9685.000	01	10	2142	2142	62.6		KWT	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	9685.000	13	10	1529	1529	33.6		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	9685.000	08	11	0110	0112	45.3	CNR 5	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	9685.000	08	11	0600	0700		CNR 5	CHN	BC	9K00	A3E										-
RUS	IRKUTSK	9685.000	11	11	0930	1000	34.0		CHN	BC		A3E	115	E	06	39	N	43	147	A		
KOR	CRMS	9685.000	30	11	0453	0453	33.8		CHN	BC		A3E									6	
RUS	S. PETERSBURG	9690.000	11	11	1030	1045	35.0		CHN	BC		A3E	102	E	49	37	N	51	82	B		
RUS	SAMARA	9690.000	11	11	1030	1100	25.0		TJK	BC	10K0	A3E	068	E	47	37	N	32	133	A		
G	BALDOCK	9690.000	28	12	2045			RADIO EXTERIOR DE ESPANA	E	BC		A3E							192	A		NOBLEJAS TX SITE
KOR	CRMS	9695.000	28	10	0127	0127	8.2	CRI	CHN	BC		A3E									3	
J	TOKYO	9695.010	16	12	2300			CHINA R.I.	CHN	BC		A3E										
RUS	NOVOSIBIRSK	9700.000	11	11	0115	0145	40.0		KWT	BC		A3E	047	E	56	29	N	15	239	A		
RUS	BELGOROD	9700.000	11	11	0650	0655	46.4		TUR	BC	10K0	A3E	032	E	38	39	N	35				
RUS	NOVOSIBIRSK	9705.000	11	11	0330	0400	33.0		CHN	BC		A3E	087	E	02	43	N	42	166	A		
RUS	ARKHANGELSK	9705.000	11	11	1100	1110	22.0		CHN	BC		A3E							108	B		
KOR	CRMS	9710.000	28	10	0127	0127	12.8	CRI	CHN	BC		A3E									3	
INS	MSPA-SAMARINDA	9710.000	08	11	0112	0115	44.1	China Radio International	CHN	BC	9K00E	A3E										
RUS	BELGOROD	9710.000	11	11	0700	0707	53.1		F	BC	9K70	A3E	001	E	53	46	N	57				
INS	MSPA-SAMARINDA	9720.000	08	11	0115	0117	45.5	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	9720.000	08	11	0530	0600		CNR 2	CHN	BC	9K00	A3E										-
RUS	IRKUTSK	9720.000	11	11	0830	0900	27.0		CHN	BC		A3E	106	E	12	29	N	59	177	A		
J	TOKYO	9720.000	11	11	2300			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	9720.000	06	12	0050	0050	59.0		CHN	BC		A3E									11	
KOR	CRMS	9720.000	14	12	0425	0425	16.9		CHN	BC		A3E									6	
G	BALDOCK	9720.000	28	12	2050			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							61	B		URUMQI TX SITE
KOR	CRMS	9730.000	08	10	0550	0550	47.9		CHN	BC		A3E									6	
KOR	CRMS	9730.000	08	10	2149	2149	29.6	VOV	VTN	BC		A3E									3	
KOR	CRMS	9730.000	14	10	0031	0031	26.4		CHN	BC		A3E									6	
INS	MSTM-MEDAN	9730.000	08	11			20.0	SOH XI Wang Zhi Sheng	CHN													
INS	MSPA-SAMARINDA	9730.000	08	11	0117	0119	45.7	MYANMAR	BRM	BC	6K00E	A3E										
INS	MSCK-TANGERANG	9730.000	08	11	0500	0530		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
KOR	CRMS	9730.000	11	11	0531	0531	16.5		KRE	BC		A3E									6	
RUS	ARKHANGELSK	9730.000	11	11	1110	1120	34.0	China Radio Int.	CHN	BC	1K40	A3E							106	B		
KOR	CRMS	9730.000	14	12	0425	0425	-3.1		CHN	BC		A3E									6	
KOR	CRMS	9730.000	29	12	0424	0424	27.9		KRE	BC		A3E									3	
RUS	MOROZOVSK	9740.000	11	11	1100	1115	60.0		CHN	BC	3K00	A3E	118	E	19	34	N	44	74	C		
RUS	S. PETERSBURG	9740.000	11	11	1120	1130	35.0		CHN	BC		A3E	120	E	45	24	N	00	77	B		
RUS	ARKHANGELSK	9740.000	11	11	1120	1130	31.0		CHN	BC		A3E							88	B		
INS	MSPA-SAMARINDA	9745.000	08	11	0119	0121	46.2	R. TAIWAN INT.		BC	6K70E	A3E										TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	NOVOSIBIRSK	9750.000	11	11	0400	0430	12.0		CHN	BC		A3E	087	E	01	43	N	55	165	A		
RUS	IRKUTSK	9750.000	11	11	0800	0830	22.0		CHN	BC		A3E	110	E	55	41	N	07	158	A		
RUS	SMOLENSK	9750.000	11	11	0800	0900	35.0		J	BC	2K99	A3E	137	E	13	35	N	25	86	B		
RUS	SAMARA	9750.000	11	11	1030	1100	21.0		CHN	BC	10K0	A3E	111	E	33	40	N	43	70			
RUS	ARKHANGELSK	9750.000	11	11	1130	1140	33.0	Radio Kuwait	KWT	BC	2K65	A3E							169	B		
INS	MSCK-TANGERANG	9760.000	08	11	0400	0430		RADIO NIKKEI 2	J	BC	9K00	A3E										-
INS	MSCK-TANGERANG	9765.000	08	11	0330	0400		VOA DEEWA RADIO	THA	BC	9K00	A3E										-
J	TOKYO	9770.000	16	11	0458				KRE				126	E	02	39	N	27	293	B		
KOR	CRMS	9775.000	01	10	1237	1237	59.6		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	9775.000	08	11	0121	0124	44.6	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	9775.000	11	11	0130	0200	22.0		CHN	BC		A3E	116	E	12	39	N	49	111	A		
RUS	IRKUTSK	9775.000	11	11	1000	1030	18.0		CHN	BC		A3E	115	E	50	39	N	54	145	A		
RUS	ARKHANGELSK	9775.000	11	11	1140	1150	28.0		CHN	BC		A3E							86	B		
KOR	CRMS	9780.000	05	10	2157	2157	39.4		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	9780.000	08	11	0230	0300		PBS QINGHAI	CHN	BC	9K00	A3E										-
RUS	SMOLENSK	9780.000	11	11	0800	0900	27.0		CHN	BC	2K99	A3E	100	E	23	33	N	47	126	B		
KOR	CRMS	9785.000	26	10	1306	1306	17.8		CHN	BC		A3E									6	
RUS	SLAVYANKA	9785.000	11	11	0730	0800	73.0		CHN	BC	2K96	A3E	117	E	23	39	N	17	256	A		
RUS	ARKHANGELSK	9785.000	11	11	1150	1200	33.0	China Radio Int.	CHN	BC	2K45	A3E							89	B		
RUS	BELGOROD	9790.000	11	11	0655	0658	61.7		F	BC	9K80	A3E	001	E	53	46	N	57				
RUS	S. PETERSBURG	9795.000	11	11	1030	1055	45.0		CHN	BC		A3E							80	C		
RUS	SAMARA	9795.000	11	11	1400	1430	30.0		CHN	BC	10K0	A3E	086	E	53	44	N	08	98	A		
RUS	SAMARA	9795.000	11	11	1400	1430	18.0		ROU	BC	10K0	A3E	026	E	50	46	N	44	259	A		
KOR	CRMS	9800.000	28	10	0128	0128	30.0		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	9800.000	08	11	0130	0200		ALL INDIA RADIO	IND	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	9800.000	11	11	0215	0245	28.0		CHN	BC		A3E	076	E	18	39	N	25	199	A		
RUS	ARKHANGELSK	9800.000	11	11	1200	1210	37.0		TJK	BC	2K55	A3E							129	B		
RUS	BELGOROD	9805.000	11	11	0615	0619	57.2		F	BC	10K1	A3E	001	E	53	46	N	57				
KOR	CRMS	9810.000	08	10	0551	0551	53.6		CHN	BC	7K84E	A3E									6	
KOR	CRMS	9810.000	10	10	1844	1844	34.2		AUT	BC		A3E									6	
INS	MSCK-TANGERANG	9810.000	08	11	0100	0130		CNR 2	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	9810.000	08	11	0124	0127	43.4	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	9810.000	11	11	0800	0900	32.0		CHN	BC	2K99	A3E	107	E	24	33	N	55	79	B		
RUS	ARKHANGELSK	9810.000	11	11	1230	1240	48.0	Vatican Radio	PHL	BC	2K77	A3E							92	B		
KOR	CRMS	9810.000	14	12	0426	0426	9.1		CHN	BC		A3E									11	
KOR	CRMS	9820.000	24	10	1003	1003	39.4		RUS	BC		A3E									6	
INS	MSPA-SAMARINDA	9820.000	08	11	0127	0131	45.7	CNR 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	9820.000	11	11	1000	1100	43.0		CHN	BC	2K99	A3E	112	E	57	28	N	32	116	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SLAVYANKA	9820.000	11	11	2030	2100	67.0		CHN	BC	1K97	A3E	111	E	11	34	N	08	248	A		
RUS	SAMARA	9825.000	11	11	1030	1100	22.0		PHL	BC	10K0	A3E	120	E	37	15	N	22				
RUS	ARKHANGELSK	9825.000	11	11	1240	1250	66.0	Voice of America	PHL	BC	2K45	A3E							92	B		
KOR	CRMS	9830.000	01	10	1238	1238	60.0		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	9830.000	08	11	0000	0030		RTM Sarawak FM	MLA	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	9830.000	08	11	0131	0133	44.8	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
RUS	IRKUTSK	9830.000	11	11	0730	0800	28.0		CHN	BC		A3E	116	E	10	39	N	35	145	A		
RUS	SMOLENSK	9830.000	11	11	0800	0900	27.0		CHN	BC	2K93	A3E	115	E	08	38	N	48	102	B		
INS	MSPA-SAMARINDA	9835.000	08	11	0133	0135	46.2	RTM SARAWAK FM	MLA	BC	9K00E	A3E										
KOR	CRMS	9840.000	12	10	1214	1214	16.9	VOV	VTN	BC		A3E									3	
RUS	ARKHANGELSK	9840.000	11	11	1250	1300	35.0	Voice of Vietnam	VTN	BC	2K10	A3E							102	B		
J	TOKYO	9840.010	15	12	1100			V.O. VIETNAM	VTN	BC		A3E										
J	TOKYO	9840.010	16	12	1330			V.O. VIETNAM	VTN	BC		A3E										
RUS	ARKHANGELSK	9845.000	11	11	1300	1310	24.0	Voice of China	CHN	BC		A3E							86	B		
INS	MSCK-TANGERANG	9850.000	05	11	0630	0700		PBS Qinghai	CHN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	9850.000	05	11	2300	2302	45.6	SOH Xi Wang Zhi Sheng		BC	9K00E	A3E									TAIWAN	
INS	MSCK-TANGERANG	9850.000	07	11	2300	2330		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	9850.000	08	11	0135	0138	44.9	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E									TAIWAN	
RUS	BELGOROD	9850.000	11	11	0707	0711	63.4		CHN	BC	9K00	A3E	086	E	54	44	N	09				
J	TOKYO	9850.000	16	11	0512				RUS	BC		D7W	136	E	48	50	N	45	351	B		
KOR	CRMS	9855.000	14	10	0032	0032	16.6		KWT	BC		A3E									6	
INS	MSKH-KUPANG	9860.000	05	11	0100	0105	35.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E									SITE JINHUA	
INS	MSPA-SAMARINDA	9860.000	05	11	2302	2304	43.1	R.FREE ASIA	USA	BC	9K00E	A3E										
RUS	BELGOROD	9860.000	10	11	0610	0615	65.9		D	BC	11K4	A3E	012	E	54	52	N	39				
RUS	NOVOSIBIRSK	9860.000	10	11	1100	1130	26.0		CHN	BC		A3E	117	E	07	39	N	17	110	A		
RUS	VERHNEYE DUBROVO	9860.000	11	11	0917	0927	41.0			BC	5K50	A3E	111	E	23	40	N	18	90	C		
KOR	CRMS	9860.000	30	12	0024	0024	35.2		CHN	BC		A3E									3	
J	TOKYO	9870.000	25	10	1018				CHN	BC		D7W	123	E	43	47	N	02	317	B		
RUS	NOVOSIBIRSK	9870.000	10	11			18.0		CHN	BC	15K4	A3E	076	E	06	39	N	35	200	A		
KOR	CRMS	9875.000	01	10	2145	2145	28.4	KCB	KRE	BC		A3E									3	
KOR	CRMS	9875.000	05	10	1229	1229	44.7		USA	BC		A3E									6	
INS	MSPA-SAMARINDA	9875.000	05	11	2304	2306	40.7	VOICE OF KOREA - KCBS	KRE	BC	6K70E	A3E										
RUS	VERHNEYE DUBROVO	9875.000	11	11	1204	1207	36.0			BC	5K51	A3E	066	E	39	39	N	03	174	C		
RUS	NYAGAN	9875.000	11	11	1205	1210	55.0			BC	5K30	A3E	066	E	39	39	N	03	174	B		
KOR	CRMS	9875.000	17	11	0729	0729	-2.9	VOR	RUS	BC		A3E									3	
KOR	CRMS	9880.000	10	10	1845	1845	39.0		MDG	BC		A3E									6	
J	TOKYO	9880.000	27	10	0800			CHINA R.I.	CHN	BC		A3E										
RUS	SMOLENSK	9880.000	10	11	0730	0830	40.0		CHN	BC	2K99	A3E	112	E	35	38	N	41	48	B		
RUS	NOVOSIBIRSK	9880.000	10	11	1000	1030	59.0		CHN	BC	10K9	A3E	115	E	32	40	N	27	110	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	MOROZOVSK	9880.000	10	11	1030	1045	14.0		CHN	BC	3K00	A3E	115	E	21	36	N	47	51	C		
KOR	CRMS	9880.000	15	11	0026	0026	16.6		CHN	BC		A3E									6	
KOR	CRMS	9880.000	20	12	0023	0023	23.5		CHN	BC		A3E									11	
KOR	CRMS	9885.000	01	10	1239	1239	57.6		CHN	BC		A3E									6	
RUS	BELGOROD	9885.000	10	11	0555	0600	64.8		I	BC	9K40	A3E	012	E	19	42	N	02				
RUS	NOVOSIBIRSK	9885.000	10	11	1200	1230	30.0		CHN	BC	12K5	A3E	120	E	48	23	N	18	123	A		
RUS	VERHNEYE DUBROVO	9890.000	11	11	1204	1207	55.0			BC	5K86	A3E	119	E	08	26	N	52	100	A		
RUS	NYAGAN	9890.000	11	11	1210	1220	55.0			BC	5K30	A3E	119	E	08	26	N	52	109	A		
KOR	CRMS	9895.000	05	10	1230	1230	49.4		USA	BC		A3E									6	
RUS	BELGOROD	9895.000	10	11	0600	0610	62.8		F	BC	8K70	A3E	001	E	53	46	N	57				
I	ROMA	9900.000	21	10	2300	2310	37.0			BC	20K0E	A3E									3	CHINESE LANGUAGE
INS	MSPA-SAMARINDA	9900.000	05	11	2306	2309	44.6	R. TAIWAN INT.		BC	6K00E	A3E										TAIWAN
RUS	NOVOSIBIRSK	9900.000	10	11	1330	1400	21.0		CLN	BC	7K90	A3E	080	E	52	08	N	03	184	A		
KOR	CRMS	9900.000	27	12	0029	0029	23.7		CHN	BC		A3E									3	
KOR	CRMS	9910.000	13	10	1531	1531	2.0		USA	BC		A3E									11	
J	TOKYO	9919.930	02	12	0054			SOUND OF HOPE		BC		A3E	121	E	02	23	N	13	238	B	11	TAIWAN
J	TOKYO	9919.930	21	12	0822			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9919.940	09	12	1017			SOUND OF HOPE		BC		A3E	120	E	18	22	N	57	239	B	11	TAIWAN
J	TOKYO	9919.950	09	11	0626				CHN	BC		A3E	120	E	44	23	N	02	239	B		
J	TOKYO	9919.950	16	11	0520				CHN	BC		A3E	120	E	11	23	N	14	240	B		TAIWAN
J	TOKYO	9919.960	12	10	0214			SOUND OF HOPE		BC		A3E	120	E	31	23	N	21	240	B	11	TAIWAN
J	TOKYO	9919.960	04	11	0843			SOUND OF HOPE		BC		A3E	121	E	07	23	N	28	239	B	11	TAIWAN
KOR	CRMS	9920.000	02	10	0727	0727	30.4		CHN	BC		A3E									11	
KOR	CRMS	9920.000	05	10	1230	1230	26.6		THA	BC		A3E									11	
KOR	CRMS	9920.000	06	10	0637	0637	29.2		PHL	BC		A3E									11	
KOR	CRMS	9920.000	02	11	0510	0510	26.6		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	9920.000	05	11	0530	0600		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	9920.000	05	11	2309	2311	45.2	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
RUS	NYAGAN	9920.000	11	11			41.0			BC	4K29	A3E	111	E	32	22	N	07	117	B		
RUS	VERHNEYE DUBROVO	9920.000	11	11	0919	0924	35.0			BC	4K01	A3E	111	E	32	22	N	07	110	B		
KOR	CRMS	9920.000	18	11	0138	0138	8.4		CHN	BC		A3E									11	
KOR	CRMS	9930.000	05	10	1231	1231	24.3		UZB	BC		A3E									11	
KOR	CRMS	9940.000	13	10	1532	1532	11.4		KWT	BC		A3E									11	
RUS	NOVOSIBIRSK	9940.000	10	11	0230	1300	19.0		THA	BC		A3E	103	E	12	16	N	29	150	A	11	
RUS	NOVOSIBIRSK	9950.000	10	11	0330	0400	1.0		IND	BC		A3E	076	E	59	28	N	51	192	A	11	
I	ROMA	9955.000	21	10	2300	2315	21.0	RADIO LIBERTADE		BC	10K0E	A3E									3	
INS	MSCK-TANGERANG	9955.000	05	11	0400	0430		WRMI The Overcomer Ministry	USA	BC	9K00	A3E										-
KOR	CRMS	9960.000	01	10	1241	1241	42.0		USA	BC		A3E									11	
KOR	CRMS	9965.000	03	10	0956	0956	55.7		PLW	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	9965.000	21	12	0824			HOPE R.		BC		A3E							193	A	11	
G	BALDOCK	9965.000	31	12	1430			TWR INDIA	ARM	BC		A3E							93	A		
J	TOKYO	9965.010	04	11	0847				PLW	BC		A3E	134	E	26	07	N	29	192	A		
J	TOKYO	9969.970	05	10	0526				CHN	BC		A3E	121	E	12	25	N	09	243	B		TAIWAN
J	TOKYO	9969.970	12	10	0215			SOUND OF HOPE		BC		A3E	121	E	12	24	N	47	242	B	11	TAIWAN
J	TOKYO	9969.970	19	10	0049			SOUND OF HOPE		BC		A3E	121	E	10	23	N	54	239	B	11	TAIWAN
J	TOKYO	9969.970	16	11	0524				CHN	BC		A3E	120	E	31	24	N	08	242	B		TAIWAN
J	TOKYO	9969.980	09	11	0626			SOUND OF HOPE		BC		A3E	121	E	01	23	N	40	240	B	11	TAIWAN
J	TOKYO	9969.980	02	12	0058			SOUND OF HOPE		BC		A3E	121	E	22	24	N	30	241	B	11	TAIWAN
J	TOKYO	9969.980	27	12	0632			SOUND OF HOPE		BC		A3E	121	E	20	24	N	42	241	B	11	TAIWAN
KOR	CRMS	9970.000	01	10	2146	2146	18.8		CHN	BC		A3E									11	
KOR	CRMS	9970.000	18	10	1807	1807	9.8		USA	BC		A3E									11	
INS	MSCK-TANGERANG	9970.000	05	11	0300	0330		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	9970.000	05	11	2311	2313	44.8	SOH Xi Wang Zhi Sheng		BC	6K70E	A3E										TAIWAN
KOR	CRMS	9970.000	18	11	0139	0139	-4.6		CHN	BC		A3E									11	
KOR	CRMS	9970.000	01	12	0719	0719	40.7		CHN	BC		A3E									11	
KOR	CRMS	9975.000	15	10	1220	1220	13.1		USA	BC		A3E									11	
RUS	NOVOSIBIRSK	9975.000	10	11	1130	1200	25.0		CHN	BC		A3E	115	E	12	39	N	50	112	A	11	
J	TOKYO	9980.000	05	10	0530			CHINA N.R.		BC		A3E							276	C	11	
KOR	CRMS	9980.000	14	10	1007	1007	9.8		CHN	BC		A3E									11	
I	ROMA	9980.000	21	10	2339	2345	31.0	OVERCOMER R BROADCAST	USA	BC	10K0E	A3E									3	
INS	MSCK-TANGERANG	9980.000	05	11	0230	0300		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
KOR	CRMS	9980.000	11	11	0536	0536	13.4		CHN	BC		A3E									11	
KOR	CRMS	9980.000	01	12	0719	0719	45.9		CHN	BC		A3E									11	
J	TOKYO	9980.010	16	11	0524					BC		A3E										
J	TOKYO	9980.010	09	12	1018			CHINA N.R.		BC		A3E	118	E	34	26	N	08	250	B	11	
J	TOKYO	9980.010	21	12	0827			CHINA N.R.		BC		A3E							250	A	11	
J	TOKYO	9980.020	25	10	1019					BC		A3E										
J	TOKYO	9984.970	12	10	0217			SOUND OF HOPE		BC		A3E	108	E	17	48	N	34	309	B	11	MNG
KOR	CRMS	9990.000	13	10	1533	1533	23.2		USA	BC		A3E									11	
J	TOKYO	9990.000	25	10	1019			CHINA N.R.		BC		A3E	113	E	06	23	N	04	249	B	11	
INS	MSCK-TANGERANG	9990.000	05	11	0200	0230		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	SMOLENSK	9990.000	10	11	0900	1100	23.0		KWT	BC	2K98	A3E	047	E	23	29	N	01	207	B	11	
G	BALDOCK	9996.000	31	12	1425			RWM	RUS	LR		A1A							63	B		N0N & A1A TRANSMISSION
J	TOKYO	10000.000	05	10	0531			WWVH		SS		AXW							87	D		
J	TOKYO	10000.000	12	10	0220			WWVH		SS		AXW							87	C		
J	TOKYO	10000.000	12	10	0220			WWV		SS		AXW										
J	TOKYO	10000.000	19	10	0059			BPM		SS		AXW										
I	ROMA	10000.000	21	10	2338	2338	13.0	OBSERVATORIO NACIONA	B	SS	9K00E	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	10000.000	25	10	1019			BPM		SS		AXW										
J	TOKYO	10000.000	04	11	0851			BPM		SS		AXW	108	E	47	34	N	36	277	A		
INS	MSPA-SAMARINDA	10000.000	05	11	2313	2316	48.5	WWVA	USA	SS	5K00E	A3E										STANDARD FREQUENCY AND TIME SIGNAL
J	TOKYO	10000.000	09	11	0627			BPM		SS		AXW										
J	TOKYO	10000.000	16	11	0545			WWVH		SS		AXW										
J	TOKYO	10000.000	16	11	0545			BPM		SS		AXW										
J	TOKYO	10000.000	25	11	0229			BPM		SS		AXW										
J	TOKYO	10000.000	02	12	0059			BPM		SS		AXW										
J	TOKYO	10000.000	09	12	1019			BPM		SS		AXW										
J	TOKYO	10000.000	21	12	0833			WWVH		SS		AXW										
J	TOKYO	10000.000	21	12	0833			BPM		SS		AXW										
J	TOKYO	10000.000	27	12	0635			BPM		SS		AXW	108	E	52	34	N	20	276	A		
J	TOKYO	10076.700	04	11	0852				CHN			A1A	121	E	34	31	N	20	260	B		
J	TOKYO	10076.700	27	12	0637				CHN			A1A	121	E	20	31	N	18	260	B		
J	TOKYO	10093.000	09	11	0632			BARROW		FA		J2D										
RUS	MOROZOVSK	10100.000	09	11	1000	1015	14.0		HOL	FX	1K00	F1B							296	C		
RUS	BELGOROD	10100.800	09	11	0600	0603	39.8		D	FX	600H	F1B	009	E	26	53	N	48				
RUS	SMOLENSK	10100.800	09	11	0730	0830	47.0	Hamburg Meteo	D	FX	889H	F1B	009	E	34	53	N	43	279	B		
RUS	S. PETERSBURG	10100.800	09	11	1350	1410	41.0		D	FX	635H	F1B	009	E	41	53	N	39	249	B		
G	BALDOCK	10100.800	31	12	1400			DDH (HAMBURG)	D	FC		F1B							74	B		50 BD ITA2 METEO
J	TOKYO	10113.500	16	11	0541				RUS			J2D	135	E	18	49	N	30	346	B		
RUS	BELGOROD	10118.000	09	11	0614	0616	35.3		TUR		100H	A1A	033	E	32	38	N	55				
J	TOKYO	10136.000	12	10	0224				RUS			F1B	138	E	54	51	N	08	356	B		
INS	MSCK-TANGERANG	10146.570	04	11	0430	0500		Unknown		FX	3K00E	J3E										-
J	TOKYO	10159.900	16	11	0545				CHN	BC		A3E	120	E	26	23	N	16	240	B		TAIWAN
J	TOKYO	10159.910	21	12	0836			SOUND OF HOPE		BC		A3E							241	A		
J	TOKYO	10159.920	02	12	0115				CHN	BC		A3E	114	E	15	22	N	32	246	B		
J	TOKYO	10159.930	27	12	0641			SOUND OF HOPE		BC		A3E	120	E	28	23	N	46	241	A	11	TAIWAN
KOR	CRMS	10160.000	30	11	0613	0613	30.2		CHN	BC		A3E									11	
KOR	CRMS	10160.000	21	12	0610	0610	26.7		CHN	BC		A3E									11	
RUS	SMOLENSK	10187.900	09	11	1000	1100	23.0		F	FX	2K99	G1D	001	E	40	43	N	39	253	B		
RUS	BELGOROD	10187.920	09	11	0618	0621	31.6		F		2K70		005	E	40	45	N	12				
RUS	S. PETERSBURG	10188.000	09	11	0745	0800	24.0		F	FX		G1D							236	C		
J	TOKYO	10192.000	12	10	0227				RUS			F1B	132	E	46	42	N	56	323	A		
J	TOKYO	10192.000	19	10	0109				RUS			F1B	132	E	53	43	N	03	325	B		
J	TOKYO	10192.000	09	11	0637				RUS			F1B	132	E	49	43	N	06	324	B		
J	TOKYO	10192.000	02	12	0119				RUS			F1B	132	E	37	43	N	00	323	B		
J	TOKYO	10192.000	27	12	0645				RUS			F1B	132	E	31	43	N	02	323	A		
J	TOKYO	10209.000	02	12	0123				CHN				118	E	50	32	N	44	264	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	10256.000	02	12	0126				CHN			A1A	114	E	21	30	N	33	263	A		
J	TOKYO	10265.000	04	11	0910				CHN			F1B	114	E	18	38	N	12	285	B		
J	TOKYO	10265.000	09	12	1022							F1B										
RUS	BELGOROD	10265.880	08	11	0612	0615	15.1		F		2K90		004	W	29	48	N	23				
INS	MSCK-TANGERANG	10300.160	03	11	0600	0630		Unknown		FX	3K00E	J3E										-
J	TOKYO	10310.000	21	12	0841							F1B							323	A		
G	BALDOCK	10315.000	31	12	1555			CYPRUS PULSE	CYP	LR		P0N							115	A		
J	TOKYO	10430.000	12	10	0232							F1B							55	C		
J	TOKYO	10430.000	16	11	0553							F1B							55	D		
J	TOKYO	10473.500	16	11	0554							J2D										
J	TOKYO	10545.000	04	11	0750				RUS			F1B	103	E	50	52	N	17	314	B		
J	TOKYO	10555.000	21	12	0802			VMW				F3C	118	E	33	26	S	25	201	B		
RUS	BELGOROD	10562.760	03	11	0817	0820	24.5		D		2K90		009	E	16	53	N	48				
INS	MSCK-TANGERANG	10590.250	02	11	0200	0230		Unknown		FX	3K00E	J3E										-
INS	MSCK-TANGERANG	10622.240	02	11	0030	0100		Unknown		FX	3K00E	H3E										-
HNG	TARNOK	10633.500	01	10	1457	1530	8.8				2K70E	J3E										USB
HNG	TARNOK	10650.000	01	10	1500	1525	8.1				2K70E	J3E										USB
HNG	TARNOK	10654.000	01	10	1150	1205	9.2				2K70E	J3E										USB
HNG	TARNOK	10655.000	01	10	1500	1520	8.4				2K70E	J3E										USB
HNG	TARNOK	10658.000	01	10	1000	1020	31.3				600H	F1B										CIS 36-50
HNG	TARNOK	10687.000	01	10	1430	1500	8.3				2K70E	J3E										USB
HNG	TARNOK	10720.000	03	10	0335	0400	7.1				2K70E	J3E										USB
J	TOKYO	10735.000	05	10	0417				RUS			F1B	134	E	56	48	N	00	343	B		
J	TOKYO	10735.000	12	10	0138				RUS			F1B	135	E	22	48	N	01	344	A		
J	TOKYO	10735.000	18	10	2349				RUS			F1B	135	E	13	48	N	31	345	A		
HNG	TARNOK	10769.000	05	10	1010	1016	16.9				580H	F1B										500HZ,69BD
J	TOKYO	10773.000	18	10	2353				RUS			F1B	140	E	25	49	N	22	0	A		
HNG	TARNOK	10796.000	05	10	1000	1004	23.8	RAA	RUS	FX	100HE	A1A										
J	TOKYO	10819.860	05	10	0420			SOUND OF HOPE		BC		A3E	121	E	27	24	N	33	241	B	11	TAIWAN
J	TOKYO	10819.860	04	11	0809			SOUND OF HOPE		BC		A3E	121	E	29	25	N	04	242	B	11	TAIWAN
J	TOKYO	10819.870	12	10	0140			SOUND OF HOPE		BC		A3E	120	E	43	23	N	45	240	B	11	TAIWAN
J	TOKYO	10819.870	18	10	2357			SOUND OF HOPE		BC		A3E	120	E	35	23	N	32	240	B	11	TAIWAN
J	TOKYO	10819.870	09	11	0606			SOUND OF HOPE		BC		A3E	121	E	17	24	N	29	241	B	11	TAIWAN
J	TOKYO	10819.870	25	11	0141			SOUND OF HOPE		BC		A3E	120	E	46	23	N	28	240	B	11	TAIWAN
J	TOKYO	10819.880	21	12	0810			SOUND OF HOPE		BC		A3E	120	E	58	24	N	04	241	B	11	TAIWAN
J	TOKYO	10819.890	01	12	2350			SOUND OF HOPE		BC		A3E	121	E	29	25	N	09	242	B	11	TAIWAN
J	TOKYO	10819.890	27	12	0602			SOUND OF HOPE		BC		A3E	121	E	25	24	N	49	241	B	11	TAIWAN
KOR	CRMS	10820.000	22	10	0619	0619	24.8		CHN	BC		A3E									11	
KOR	CRMS	10820.000	23	11	0635	0635	34.6		CHN	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	10820.000	01	12	0119	0119	10.0		CHN	BC		A3E									11	
J	TOKYO	10830.000	25	10	1028				KOR			F1B	127	E	14	37	N	53	288	B		
J	TOKYO	10836.000	21	12	0812				CHN			A1A	113	E	44	23	N	01	248	B		
J	TOKYO	10847.250	09	12	1008				AUS				144	E	48	36	S	25	177	A		
J	TOKYO	10853.560	25	11	0142				CHN				110	E	45	32	N	12	270	B		
J	TOKYO	10869.870	05	10	0425			SOUND OF HOPE		BC		A3E	121	E	05	24	N	33	241	B	11	TAIWAN
J	TOKYO	10869.880	19	10	0000			SOUND OF HOPE		BC		A3E	120	E	00	23	N	30	240	B	11	TAIWAN
J	TOKYO	10869.880	25	10	1032				CHN	BC		A3E	120	E	27	23	N	16	240	B		TAIWAN
J	TOKYO	10869.880	21	12	0815			SOUND OF HOPE		BC		A3E	120	E	53	22	N	52	238	A	11	TAIWAN
J	TOKYO	10869.890	27	12	0609			SOUND OF HOPE		BC		A3E	120	E	38	23	N	16	239	B	11	TAIWAN
J	TOKYO	10869.900	01	12	2354			SOUND OF HOPE		BC		A3E	120	E	28	23	N	23	240	B	11	TAIWAN
KOR	CRMS	10870.000	22	10	0619	0619	27.0		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	10870.000	28	10	0217	0220	45.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSPA-SAMARINDA	10870.000	28	10	2311	2315	45.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
HNG	TARNOK	10870.998	09	10	0500	2000	21.1	C BEACON	UKR	RN	100HE	A1A										
J	TOKYO	10872.200	01	12	2356			F				A1A	131	E	55	43	N	32	323	B		
J	TOKYO	10872.200	27	12	0613			F				A1A	133	E	09	42	N	51	324	B		
J	TOKYO	10872.390	05	10	0429			M				A1A	140	E	25	52	N	10	0	B		
J	TOKYO	10872.390	12	10	0141				RUS			A1A	140	E	04	48	N	59	359	B		
J	TOKYO	10872.390	27	12	0614			M				A1A	140	E	09	49	N	08	359	B		
RUS	SAMARA	10875.000	01	11	1230	1430	10.0		CHN	FX	800H	A1B	118	E	17	24	N	22				
J	TOKYO	10891.260	27	12	0623			F				A1A	133	E	11	42	N	51	324	B		
J	TOKYO	10891.600	21	12	0817							J2D										
J	TOKYO	10892.000	01	12	2359			F				A1A	132	E	46	42	N	54	323	B		
J	TOKYO	10892.030	09	11	0612			F				A1A	133	E	28	43	N	12	327	B		
HNG	TARNOK	10900.000	11	10	2107	2200	15.7				2K70E	J3E										USB
INS	MSPA-SAMARINDA	10920.000	28	10	0225	0228	45.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSPA-SAMARINDA	10920.000	28	10	2319	2322	45.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
J	TOKYO	10921.000	09	12	1013				AUS				130	E	40	12	S	28	192	A		
HNG	TARNOK	10930.000	11	10	0305	0350	8.7				2K70E	J3E										LSB
HNG	TARNOK	10931.800	11	10	0000	0055	7.7				3K00E	G1D										STANAG-4285
HNG	TARNOK	10933.500	11	10	1540	1630	6.4				500H	F1B										210HZ,180BD
J	TOKYO	10939.940	27	12	0625			SOUND OF HOPE		BC		A3E	121	E	25	25	N	04	242	B	11	TAIWAN
HNG	TARNOK	10942.000	11	10	1527	1540	12.5				2K70E	J3E										USB
J	TOKYO	10959.710	05	10	0434				CHN	BC		A3E	120	E	31	23	N	23	240	B		TAIWAN
J	TOKYO	10959.740	21	12	0901			SOUND OF HOPE		BC		A3E	120	E	53	22	N	40	238	A	11	TAIWAN
HNG	TARNOK	10959.994	13	10	1107	1200	13.9		CHN	BC	9K81	A3E									11	
HNG	TARNOK	10959.994	13	10	1207	1300	10.6		CHN	BC	9K81	A3E									11	
HNG	TARNOK	10959.994	13	10	1307	1400	19.2		CHN	BC	9K81	A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	10960.000	04	10	1207	1207	36.0		CHN	BC		A3E									11	
J	TOKYO	10960.000	25	10	1042				CHN	BC		A3E	108	E	55	18	N	59	247	B		
INS	MSPA-SAMARINDA	10960.000	28	10	0231	0234	43.2	SOH RELY RFA		BC	9K00E	A3E										TAIWAN
KOR	CRMS	10960.000	01	11	0409	0409	22.9		CHN	BC		A3E									11	
RUS	SLAVYANKA	10960.000	01	11	0538	0550	54.0		CHN	BC	6K81	A3E	117	E	39	39	N	34	257	A	11	
RUS	ARKHANGELSK	10960.000	01	11	0935	0945	31.0		CHN	BC		A3E							88	B		
RUS	S. PETERSBURG	10960.000	01	11	1115	1130	55.0		CHN	BC	10K8	A3E	119	E	20	26	N	00	77	B		
RUS	SAMARA	10960.000	01	11	1230	1430	10.0		CHN	BC	10K0	A3E	121	E	05	23	N	28				
J	TOKYO	10960.000	04	11	0830			CHINA N.R.		BC		A3E									11	
J	TOKYO	10960.000	25	11	0145				CHN	BC		A3E	108	E	52	33	N	45	275	B		
KOR	CRMS	10960.000	03	12	0731	0731	22.3		CHN	BC		A3E									3	
J	TOKYO	10960.000	09	12	1015			CHINA N.R.		BC		A3E	108	E	54	18	N	54	247	A	11	
J	TOKYO	10960.000	21	12	0819			CHINA N.R.		BC		A3E	117	E	00	39	N	31	289	A	11	
J	TOKYO	10960.000	27	12	0628			CHINA N.R.		BC		A3E	086	E	55	43	N	18	297	B	11	
HNG	TARNOK	10976.000	13	10	0230	0430	10.7				375HE	F1B										250Hz,75Bd
J	TOKYO	10981.000	25	11	0146				RUS				135	E	44	47	N	44	346	B		
J	TOKYO	10981.000	02	12	0004				RUS			F1B	135	E	28	48	N	34	346	A		
RUS	S. PETERSBURG	11007.500	01	11	1310	1330	32.0		NOR	FX	2K70	G1D							277	B		
HNG	TARNOK	11007.509	15	10	0550	1810	17.8	JWT	NOR	FX	2K78	G1D										STANAG-4285
RUS	BELGOROD	11007.560	01	11	0820	0827	34.6		G		2K70		006	W	20	58	N	12				
HNG	TARNOK	11039.000	15	10	0610	1730	33.5	DDH9	D	FX	560H	F1B										450HZ,50BD,ITA2
RUS	BELGOROD	11039.000	01	11	0827	0832	40.5	DDH9	D	FX	560H	F1B	009	E	41	53	N	41				
RUS	S. PETERSBURG	11039.000	01	11	0900	0930	35.0		D	FX	623H	F1B	009	E	40	53	N	34	248	B		
J	TOKYO	11039.000	21	12	0823				RUS			F1B	103	E	15	63	N	16	332	B		
I	ROMA	11039.000	23	12	1125	1126	48.0	DDH9	D	FX	500HE	F1B							351	A		50BD SYNOP
J	TOKYO	11055.000	21	12	0827				RUS			F1B	092	E	13	61	N	43	336	B		
J	TOKYO	11069.940	05	10	0438			SOUND OF HOPE		BC		A3E	121	E	02	24	N	42	242	B	11	TAIWAN
J	TOKYO	11069.950	12	10	0146			SOUND OF HOPE		BC		A3E	120	E	56	24	N	34	242	B	11	TAIWAN
J	TOKYO	11069.950	04	11	0841				CHN	BC		A3E	120	E	28	24	N	04	242	B		TAIWAN
J	TOKYO	11069.960	19	10	0006			SOUND OF HOPE		BC		A3E	121	E	17	23	N	53	240	B	11	TAIWAN
J	TOKYO	11069.960	09	11	0615			SOUND OF HOPE		BC		A3E	120	E	28	24	N	02	241	B	11	TAIWAN
J	TOKYO	11069.960	21	12	0828			SOUND OF HOPE		BC		A3E	121	E	10	23	N	59	240	B	11	TAIWAN
J	TOKYO	11069.970	02	12	0007			SOUND OF HOPE		BC		A3E	120	E	45	24	N	02	241	A	11	TAIWAN
HNG	TARNOK	11070.000	17	10	2040	2100	7.1				2K70E	J3E										USB
KOR	CRMS	11070.000	21	10	0404	0404	13.5		CHN	BC		A3E									11	
KOR	CRMS	11070.000	22	12	0018	0018	22.3		CHN	BC		A3E									6	
J	TOKYO	11072.000	05	10	0442				RUS			J2D	113	E	04	51	N	54	318	A		
HNG	TARNOK	11086.500	17	10	0630	1800	25.5				1K80	F1C										FAX
HNG	TARNOK	11088.000	17	10	0600	2000	28.6				500H	F1B										200Hz, 50BD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	11089.990	27	12	0633							F3C										
J	TOKYO	11090.000	21	12	0833			KVM70				F3C	159	W	32	21	N	58	87	A		
J	TOKYO	11100.000	05	10	0445				CHN	BC		A3E	121	E	27	24	N	42	241	B		TAIWAN
KOR	CRMS	11100.000	05	10	0636	0636	13.2		CHN	BC		A3E									11	
J	TOKYO	11100.000	12	10	0147			SOUND OF HOPE		BC		A3E	121	E	21	24	N	07	240	B	11	TAIWAN
J	TOKYO	11100.000	04	11	0845				CHN	BC		A3E	120	E	48	23	N	59	241	B		TAIWAN
KOR	CRMS	11100.000	24	11	0029	0029	28.2		CHN	BC		A3E									11	
KOR	CRMS	11100.000	22	12	0018	0018	28.1		CHN	BC		A3E									11	
J	TOKYO	11100.010	19	10	0010			SOUND OF HOPE		BC		A3E	121	E	32	24	N	47	241	A	11	TAIWAN
J	TOKYO	11100.010	09	11	0618			SOUND OF HOPE		BC		A3E	121	E	27	24	N	38	241	B	11	TAIWAN
J	TOKYO	11100.010	25	11	0148			SOUND OF HOPE		BC		A3E	121	E	31	24	N	45	241	B	11	TAIWAN
J	TOKYO	11100.020	02	12	0012			SOUND OF HOPE		BC		A3E	121	E	27	25	N	11	242	B	11	TAIWAN
J	TOKYO	11100.020	27	12	0636			SOUND OF HOPE		BC		A3E	121	E	29	24	N	42	241	B	11	TAIWAN
J	TOKYO	11104.000	12	10	0205				RUS			F1B	132	E	27	43	N	02	323	B		
J	TOKYO	11120.000	05	10	0447			SOUND OF HOPE		BC		A3E	120	E	16	23	N	05	240	B	11	TAIWAN
J	TOKYO	11120.000	12	10	0148			SOUND OF HOPE		BC		A3E	121	E	30	24	N	36	241	B	11	TAIWAN
KOR	CRMS	11120.000	23	10	0907	0907	33.1		CHN	BC		A3E									11	
J	TOKYO	11120.000	04	11	0850				CHN	BC		A3E	120	E	09	23	N	26	241	B		TAIWAN
KOR	CRMS	11120.000	24	11	0029	0029	36.3		CHN	BC		A3E									11	
KOR	CRMS	11120.000	21	12	0611	0611	26.5		CHN	BC		A3E									11	
J	TOKYO	11120.010	09	11	0621			SOUND OF HOPE		BC		A3E	121	E	10	24	N	06	240	B	11	TAIWAN
J	TOKYO	11120.010	25	11	0149			SOUND OF HOPE		BC		A3E	120	E	14	23	N	14	240	B	11	TAIWAN
J	TOKYO	11120.020	21	12	0838			SOUND OF HOPE		BC		A3E	120	E	48	23	N	01	239	B	11	TAIWAN
J	TOKYO	11120.020	27	12	0641			SOUND OF HOPE		BC		A3E	120	E	21	23	N	39	240	B	11	TAIWAN
J	TOKYO	11120.030	02	12	0015			SOUND OF HOPE		BC		A3E	121	E	34	24	N	44	241	B	11	TAIWAN
HNG	TARNOK	11135.000	19	10	0000	2400	4.2				2K70E	J3E										LSB
HNG	TARNOK	11140.300	19	10	0000	2400	5.8				3K00E	G1D										STANAG-4285
HNG	TARNOK	11146.119	19	10	1000	1045	17.8				200H	F1B										250Hz,75BD
J	TOKYO	11149.890	05	10	0449			SOUND OF HOPE		BC		A3E	120	E	58	23	N	14	239	B	11	TAIWAN
J	TOKYO	11149.890	04	11	0852				CHN	BC		A3E	120	E	38	22	N	42	238	B		TAIWAN
J	TOKYO	11149.900	19	10	0013			SOUND OF HOPE		BC		A3E	120	E	35	23	N	19	240	B	11	TAIWAN
J	TOKYO	11149.900	19	10	0017			SOUND OF HOPE		BC		A3E	120	E	16	23	N	10	240	B	11	TAIWAN
J	TOKYO	11149.900	09	11	0623			SOUND OF HOPE		BC		A3E	121	E	29	24	N	26	241	B	11	TAIWAN
J	TOKYO	11149.920	21	12	0841			SOUND OF HOPE		BC		A3E	121	E	00	23	N	01	238	A	11	TAIWAN
J	TOKYO	11149.940	27	12	0644			SOUND OF HOPE		BC		A3E	120	E	18	23	N	16	240	B	11	TAIWAN
KOR	CRMS	11150.000	22	10	0620	0620	32.5		CHN	BC		A3E									11	
KOR	CRMS	11150.000	23	11	0635	0635	33.2		CHN	BC		A3E									11	
KOR	CRMS	11150.000	27	12	0408	0408	30.6		CHN	BC		A3E									3	
HNG	TARNOK	11151.500	21	10	1840	1850	8.2				2K70E	J3E										USB

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HNG	TARNOK	11155.000	21	10	0755	0758	10.4				100HE	A1A										
HNG	TARNOK	11169.800	21	10	0000	0057	7.4				3K00E	G1D										STANAG-4285
J	TOKYO	11170.090	05	10	0449			SOUND OF HOPE		BC		A3E	120	E	40	24	N	15	241	B	11	TAIWAN
J	TOKYO	11170.090	12	10	0149			SOUND OF HOPE		BC		A3E	121	E	32	24	N	13	240	B	11	TAIWAN
J	TOKYO	11170.090	04	11	0856				CHN	BC		A3E	120	E	21	23	N	21	240	B		TAIWAN
J	TOKYO	11170.090	02	12	0018			SOUND OF HOPE		BC		A3E	121	E	37	24	N	49	241	B	11	TAIWAN
J	TOKYO	11170.090	27	12	0649			SOUND OF HOPE		BC		A3E	121	E	05	24	N	42	241	B	11	TAIWAN
HNG	TARNOK	11175.000	21	10	1520	1830	29.3				2K70E	J3E										USB
INS	MSPA-SAMARINDA	11175.000	25	10	0032	0034	41.2	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
HNG	TARNOK	11191.000	21	10	1410	1500	16.8				2K70E	J3E										LSB
HNG	TARNOK	11253.000	25	10	0630	1835	26.7				2K70E	J3E										USB
J	TOKYO	11277.170	25	11	0150				CHN				116	E	01	34	N	46	275	B		
HNG	TARNOK	11297.000	25	10	0640	0850	21.1				2K70E	J3E										USB
HNG	TARNOK	11300.000	27	10	1500	1700	57.0				100HE	A1B										FIVE LETTER GROUPS
J	TOKYO	11312.000	05	10	0458			MOLOKAI		FA		J2D										
J	TOKYO	11312.000	21	12	0844			MOLOKAI		FA		J2D										
HNG	TARNOK	11318.000	27	10	0000	0600	20.1				2K70E	J3E										USB
HNG	TARNOK	11321.920	27	10	1200	1300	6.5				3K00E	G1D										STANAG-4285
J	TOKYO	11345.000	05	10	0459				RUS			A1A	158	E	28	53	N	16	30	B		
J	TOKYO	11384.000	09	12	1023				CHN			A1A	102	E	23	25	N	29	263	B		
J	TOKYO	11387.000	19	10	0024			SINGAPORE R.				J3E	103	E	57	01	N	18	232	B		
INS	MSPA-SAMARINDA	11387.000	27	10	0118	0119	53.5	MUMBAI VOLMET		FD	2K70E	J3E										
J	TOKYO	11387.000	02	12	0023			BANGKOK				J3E	100	E	27	14	N	32	248	B		
J	TOKYO	11409.940	05	10	0503				MNG	BC		A3E	108	E	52	47	N	48	307	B		
J	TOKYO	11409.960	02	12	0031			SOUND OF HOPE		BC		A3E	106	E	59	48	N	00	307	B	11	MNG
KOR	CRMS	11410.000	04	10	0252	0252	14.3		CHN	BC		A3E									11	
J	TOKYO	11410.000	05	10	0506				CHN	BC		A3E	117	E	19	25	N	42	250	B		
J	TOKYO	11410.000	12	10	0150			CHINA N.R.		BC		A3E	119	E	20	26	N	22	249	B	11	
J	TOKYO	11410.000	19	10	0027			CHINA N.R.		BC		A3E	088	E	21	43	N	42	298	B	11	
INS	MSPA-SAMARINDA	11410.000	27	10	0120	0123	43.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
RUS	NOVOSIBIRSK	11410.000	28	10	0910	0940	25.0		CHN	BC		A3E	107	E	26	34	N	35	130	A	11	
KOR	CRMS	11410.000	01	11	0409	0409	32.2		CHN	BC		A3E									11	
J	TOKYO	11410.000	25	11	0156			CHINA N.R.		BC		A3E	087	E	44	43	N	46	298	B	11	
KOR	CRMS	11410.000	03	12	0732	0732	26.1		CHN	BC		A3E									6	
J	TOKYO	11410.000	27	12	0655			CHINA N.R.		BC		A3E	108	E	42	19	N	13	248	B	11	
INS	MSCK-TANGERANG	11422.120	27	10	0030	0100		Unknown		FX	3K00E	J3E										-
KOR	CRMS	11430.000	06	10	0003	0003	6.1		CHN	BC		A3E									11	
J	TOKYO	11439.870	05	10	0508			SOUND OF HOPE		BC		A3E	121	E	12	24	N	51	242	B	11	TAIWAN
J	TOKYO	11439.880	04	11	0909				CHN	BC		A3E	120	E	16	23	N	16	240	B		TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	11439.890	12	10	0206			SOUND OF HOPE		BC		A3E	121	E	20	24	N	57	242	B	11	TAIWAN
J	TOKYO	11439.900	19	10	0033			SOUND OF HOPE		BC		A3E	120	E	40	24	N	11	241	B	11	TAIWAN
J	TOKYO	11439.910	09	11	0633			SOUND OF HOPE		BC		A3E	120	E	23	23	N	50	241	B	11	TAIWAN
J	TOKYO	11439.920	02	12	0035			SOUND OF HOPE		BC		A3E	121	E	29	24	N	56	242	B	11	TAIWAN
J	TOKYO	11439.920	21	12	0849				CHN	BC		A3E	120	E	40	23	N	28	240	B		TAIWAN
J	TOKYO	11439.920	27	12	0713			SOUND OF HOPE		BC		A3E	121	E	20	24	N	42	241	B	11	TAIWAN
KOR	CRMS	11440.000	22	10	0620	0620	35.9		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11440.000	27	10	0129	0134	44.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	11440.000	25	11	0420	0420	28.7		CHN	BC		A3E									11	
KOR	CRMS	11440.000	21	12	0612	0612	24.6		CHN	BC		A3E									6	
HNG	TARNOK	11457.000	02	11	0600	2400	39.8				3K30	G1D										STANAG 4285
KOR	CRMS	11460.000	25	10	0443	0443	27.1		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11460.000	26	10	0210	0213	44.7	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSPA-SAMARINDA	11460.000	26	10	0610	0613	43.1	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	11460.000	22	11	0422	0422	27.2		CHN	BC		A3E									11	
KOR	CRMS	11460.000	22	12	0019	0019	22.2		CHN	BC		A3E									11	
J	TOKYO	11460.090	05	10	0510			SOUND OF HOPE		BC		A3E	121	E	18	24	N	59	242	B	11	TAIWAN
J	TOKYO	11460.090	12	10	0207			SOUND OF HOPE		BC		A3E	120	E	59	24	N	38	242	B	11	TAIWAN
J	TOKYO	11460.090	04	11	0911				CHN	BC		A3E	120	E	21	23	N	23	240	B		TAIWAN
J	TOKYO	11460.100	19	10	0037			SOUND OF HOPE		BC		A3E	120	E	53	24	N	04	241	B	11	TAIWAN
J	TOKYO	11460.110	09	11	0635			SOUND OF HOPE		BC		A3E	120	E	53	23	N	39	240	B	11	TAIWAN
J	TOKYO	11460.110	21	12	0851				CHN	BC		A3E	120	E	45	24	N	22	241	B		TAIWAN
J	TOKYO	11460.120	02	12	0038			SOUND OF HOPE		BC		A3E	121	E	27	25	N	02	242	B	11	TAIWAN
J	TOKYO	11460.130	27	12	0715			SOUND OF HOPE		BC		A3E	121	E	10	24	N	42	242	B	11	TAIWAN
HNG	TARNOK	11468.011	02	11	0700	1800	31.0				200HE	F1B										200Hz 50BD
J	TOKYO	11470.000	09	11	0638				RUS			F1B	113	E	07	51	N	58	317	B		
J	TOKYO	11470.000	21	12	0852				RUS			F1B	114	E	06	52	N	03	319	A		
J	TOKYO	11470.000	27	12	0718				RUS			F1B	113	E	29	51	N	50	318	B		
J	TOKYO	11499.970	05	10	0514			SOUND OF HOPE		BC		A3E	121	E	05	24	N	44	242	B	11	TAIWAN
J	TOKYO	11499.980	04	11	0913					BC		A3E							235	C		
J	TOKYO	11499.990	09	11	0640			SOUND OF HOPE		BC		A3E	120	E	52	23	N	29	240	B	11	TAIWAN
KOR	CRMS	11500.000	22	10	0620	0620	23.6		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11500.000	26	10	0215	0217	44.9	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSCK-TANGERANG	11500.000	26	10	0600	0630		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11500.000	26	10	0613	0617	44.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
RUS	SMOLENSK	11500.000	27	10	0730	0830	6.0		CHN	BC	2K99	A3E	109	E	20	21	N	27	87	B	11	
KOR	CRMS	11500.000	23	11	0636	0636	31.0		CHN	BC		A3E									11	
KOR	CRMS	11500.000	21	12	0612	0612	14.1		CHN	BC		A3E									11	
J	TOKYO	11500.000	21	12	0854			SOUND OF HOPE		BC		A3E	121	E	22	24	N	11	240	B	11	TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	11500.020	27	12	0721			SOUND OF HOPE		BC		A3E	120	E	28	23	N	32	240	B	11	TAIWAN
HNG	TARNOK	11509.998	04	11	1500	1700	35.5	IBB/VOA	USA	BC	10K0E	A3E									11	
HNG	TARNOK	11510.003	04	11	1700	1757	9.5				3K00E	G1D										STANAG 4285
HNG	TARNOK	11510.500	04	11	0000	0200	12.5				290H	F1B										200Hz 50BD
HNG	TARNOK	11512.000	04	11	0740	0900	23.6				340H	F1B										265HZ
INS	MSPA-SAMARINDA	11520.000	26	10	0217	0221	45.7	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSCK-TANGERANG	11520.000	26	10	0530	0600		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11520.000	26	10	0617	0620	45.9	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	11520.000	23	11	0636	0636	41.4		CHN	BC		A3E									11	
KOR	CRMS	11520.000	21	12	0612	0612	27.8		CHN	BC		A3E									11	
J	TOKYO	11520.010	09	11	0644			SOUND OF HOPE		BC		A3E	120	E	39	23	N	26	239	B	11	TAIWAN
J	TOKYO	11520.030	02	12	0044			SOUND OF HOPE		BC		A3E	121	E	12	24	N	56	242	B	11	TAIWAN
J	TOKYO	11520.030	21	12	0856			SOUND OF HOPE		BC		A3E	121	E	15	23	N	28	239	B	11	TAIWAN
HNG	TARNOK	11524.995	04	11	2300	2400	30.1	IBB/VOA	USA	BC	10K0E	A3E									11	
KOR	CRMS	11530.000	14	10	1327	1327	17.4		TUR	BC		A3E									11	
KOR	CRMS	11530.000	17	10	1201	1201	14.8		CHN	BC		A3E									11	
KOR	CRMS	11530.000	21	10	1203	1203	25.8		MDA	BC		A3E									11	
KOR	CRMS	11530.000	22	10	1514	1514	15.6		F	BC		A3E									11	
INS	MSCK-TANGERANG	11530.000	26	10	0500	0530		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-
J	TOKYO	11530.000	25	11	0157				CHN				116	E	25	39	N	31	288	B		
KOR	CRMS	11530.000	01	12	0119	0119	23.1		CHN	BC		A3E									11	
J	TOKYO	11530.000	27	12	0725					BC		A3E										
HNG	TARNOK	11530.001	04	11	0500	1900	21.2	TRT	TUR	BC	9K39	A3E									11	
J	TOKYO	11534.990	05	10	0517			SOUND OF HOPE		BC		A3E	126	E	57	37	N	12	283	A	11	KOR
J	TOKYO	11534.990	19	10	0040			SOUND OF HOPE		BC		A3E	127	E	36	37	N	12	282	A	11	KOR
J	TOKYO	11535.000	25	11	0200			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11535.000	27	12	0725			SOUND OF HOPE		BC		A3E	127	E	30	37	N	06	282	B	11	KOR
J	TOKYO	11535.010	02	12	0050			SOUND OF HOPE		BC		A3E	121	E	54	36	N	40	279	A	11	KOR
J	TOKYO	11540.000	25	11	0202			CHINA N.R.		BC		A3E	109	E	04	34	N	06	276	B	11	
J	TOKYO	11549.930	05	10	0519			SOUND OF HOPE		BC		A3E	121	E	17	24	N	08	240	B	11	TAIWAN
J	TOKYO	11549.930	05	10	0522			SOUND OF HOPE		BC		A3E	120	E	31	23	N	53	241	B	11	TAIWAN
J	TOKYO	11549.970	12	10	0208			SOUND OF HOPE		BC		A3E	120	E	32	23	N	32	240	B	11	TAIWAN
J	TOKYO	11549.970	19	10	0046			SOUND OF HOPE		BC		A3E	121	E	13	23	N	25	239	A	11	TAIWAN
J	TOKYO	11549.970	04	11	0916					BC		A3E							237	C		
HNG	TARNOK	11549.979	04	11	1500	1900	36.5	IBB/VOA	USA	BC	10K0E	A3E									11	
J	TOKYO	11550.000	05	10	0519				CHN	BC		A3E	104	E	37	36	N	26	282	B		
KOR	CRMS	11550.000	21	10	0404	0404	22.4		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11550.000	26	10	0221	0223	44.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSCK-TANGERANG	11550.000	26	10	0400	0430		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSPA-SAMARINDA	11550.000	26	10	0623	0625	43.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
J	TOKYO	11550.000	09	11	0649			SOUND OF HOPE		BC		A3E	121	E	05	24	N	27	241	A	11	TAIWAN
KOR	CRMS	11550.000	23	11	0636	0636	29.3		CHN	BC		A3E									11	
J	TOKYO	11550.000	02	12	0058			SOUND OF HOPE		BC		A3E	121	E	20	24	N	58	242	B	11	TAIWAN
KOR	CRMS	11550.000	27	12	0410	0410	28.6		CHN	BC		A3E									3	
J	TOKYO	11550.000	27	12	0729			SOUND OF HOPE		BC		A3E							242	C	11	
HNG	TARNOK	11560.002	06	11	1320	1430	28.3	AIR	IND	BC	7K50	A3E									11	
KOR	CRMS	11570.000	04	10	1209	1209	10.7		KWT	BC		A3E									11	
KOR	CRMS	11570.000	11	10	0329	0329	19.4		USA	BC		A3E									11	
KOR	CRMS	11570.000	07	12	1204	1204	13.3		KWT	BC		A3E									11	
KOR	CRMS	11580.000	22	10	0621	0621	23.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11580.000	26	10	0223	0225	44.1	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSCK-TANGERANG	11580.000	26	10	0230	0300		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11580.000	26	10	0627	0629	44.6	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
RUS	SMOLENSK	11580.000	27	10	0530	0630	14.0		CHN	BC	2K99	A3E	109	E	20	21	N	38	87	B	11	
KOR	CRMS	11580.000	22	11	0423	0423	30.4		CHN	BC		A3E									11	
KOR	CRMS	11580.000	22	12	0019	0019	26.0		CHN	BC		A3E									6	
J	TOKYO	11580.100	27	12	0732				CHN	BC		A3E	121	E	17	24	N	35	241	B		TAIWAN
J	TOKYO	11580.110	02	12	0100			SOUND OF HOPE		BC		A3E	121	E	32	25	N	09	245	B	11	TAIWAN
J	TOKYO	11580.120	09	11	0651			SOUND OF HOPE		BC		A3E	121	E	30	24	N	33	241	B	11	TAIWAN
J	TOKYO	11580.120	21	12	0857			SOUND OF HOPE		BC		A3E	121	E	25	24	N	20	240	B	11	TAIWAN
J	TOKYO	11580.140	25	11	0203			SOUND OF HOPE		BC		A3E	121	E	46	24	N	47	241	B	11	TAIWAN
J	TOKYO	11580.150	19	10	0050			SOUND OF HOPE		BC		A3E	121	E	31	25	N	12	232	A	11	TAIWAN
J	TOKYO	11580.160	04	11	0919				CHN	BC		A3E	120	E	13	23	N	14	240	B		TAIWAN
HNG	TARNOK	11598.000	06	11	0800	1453	16.2				350H	F1B										250HZ
J	TOKYO	11599.970	05	10	0524			SOUND OF HOPE		BC		A3E	121	E	05	24	N	33	241	B	11	TAIWAN
J	TOKYO	11600.000	05	10	0524			CHINA N.R.		BC		A3E	117	E	12	40	N	09	291	B	11	
J	TOKYO	11600.000	12	10	0209			CHINA N.R.		BC		A3E	118	E	21	26	N	06	249	B	11	
KOR	CRMS	11600.000	20	10	0908	0908	23.6		CHN	BC		A3E									6	
KOR	CRMS	11600.000	25	10	0445	0445	45.2		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	11600.000	26	10	0130	0200		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11600.000	26	10	0225	0228	43.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSPA-SAMARINDA	11600.000	26	10	0629	0633	45.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	11600.000	01	11	0409	0409	20.3		CHN	BC		A3E									11	
J	TOKYO	11600.000	04	11	0921					BC		A3E							276	C		
HNG	TARNOK	11600.000	08	11	0000	0900	17.7	CNR2	CHN	BC	10K0E	A3E										
HNG	TARNOK	11600.000	08	11	1300	1400	36.2	FEBC RADIO	PHL	BC	9K53	A3E										
J	TOKYO	11600.000	25	11	0204			CHINA N.R.		BC		A3E	109	E	15	34	N	07	276	B	11	
J	TOKYO	11600.000	21	12	0900			CHINA N.R.		BC		A3E	107	E	14	34	N	48	279	B	11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	11600.000	27	12	0411	0411	37.4		CHN	BC		A3E									3	
J	TOKYO	11600.000	27	12	0733				CHN	BC		A3E	108	E	54	34	N	16	275	B		
HNG	TARNOK	11600.001	06	11	0500	0800	19.3	OVERCOMER MIN.	BUL	BC	10K1	A3E										
HNG	TARNOK	11609.985	08	11	2100	2158	45.5	WCB		BC	9K18	A3E									3	
HNG	TARNOK	11609.999	08	11	1500	1600	24.2	RADIO KUWAIT	KWT	BC	9K57	A3E										
INS	MSCK-TANGERANG	11610.000	26	10	0100	0130		CNR 2-China Business Radio	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11610.000	26	10	0228	0231	44.2	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11610.000	26	10	0633	0637	43.5	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
KOR	CRMS	11610.000	26	10	0730	0730	40.4		CHN	BC		A3E									6	
RUS	SMOLENSK	11610.000	27	10	0530	0630	33.0		CHN	BC	2K99	A3E	115	E	45	39	N	39	69	B		
HNG	TARNOK	11610.000	08	11	0000	0900	13.2	CNR3	CHN	BC	10K0E	A3E										
HNG	TARNOK	11610.000	08	11	1300	1500	38.2	CRI	CHN	BC	9K90	A3E										
HNG	TARNOK	11610.000	08	11	1600	1800	26.6	IBB/VOA	G	BC	9K93	A3E										
KOR	CRMS	11610.000	27	12	0411	0411	49.9	CNR	CHN	BC		A3E									3	
HNG	TARNOK	11610.800	08	11	0000	2400	16.1				3K30	G1D										STANAG 4285
KOR	CRMS	11615.000	28	10	0437	0437	56.2		CHN	BC		A3E									6	
KOR	CRMS	11620.000	25	10	0446	0446	38.4		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	11620.000	26	10	0030	0100		CNR 5	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11620.000	26	10	0231	0234	44.7	CNR 5		BC	9K00E	A3E										TAIWAN
INS	MSPA-SAMARINDA	11620.000	26	10	0637	0640	45.7	CNR 5		BC	9K00E	A3E										TAIWAN
RUS	SMOLENSK	11620.000	27	10	0530	0630	19.0		CHN	BC	2K99	A3E	115	E	45	39	N	39	69	B		
J	TOKYO	11620.000	27	10	1000			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	11620.000	29	12	0010	0010	63.6	CNR	CHN	BC		A3E									6	
HNG	TARNOK	11620.006	08	11	0700	0745	37.4	VAT	CVA	BC	11K1	A3E										
HNG	TARNOK	11629.999	08	11	1100	1200	23.8	CNR17	CHN	BC	9K94	A3E										
INS	MSCK-TANGERANG	11630.000	26	10	0000	0030		CNR 17	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11630.000	26	10	0234	0238	42.5	CNR 17		BC	9K00E	A3E										TAIWAN
KOR	CRMS	11630.000	26	10	0731	0731	46.4	CNR	CHN	BC		A3E									3	
RUS	SMOLENSK	11630.000	27	10	0530	0630	37.0		CHN	BC	2K99	A3E	111	E	25	35	N	50	75	B		
HNG	TARNOK	11630.000	08	11	0000	1600	20.9				1K95	F1B										850Hz
HNG	TARNOK	11630.001	08	11	0000	0900	13.5	CNR17	CHN	BC	10K0E	A3E										
HNG	TARNOK	11634.993	08	11	1000	1100	35.5	CRI	CHN	BC	9K99	A3E										
J	TOKYO	11635.000	27	10	1100			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11639.999	08	11	1300	1357	42.6	CRI	CHN	BC	9K47	A3E										
HNG	TARNOK	11639.999	08	11	1800	2130	32.3	CRI	MLI	BC	9K96	A3E										
INS	MSPA-SAMARINDA	11640.000	26	10	0238	0243	44.7	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	11640.000	27	10	0530	0630	35.0		CHN	BC	2K99	A3E	119	E	26	25	N	36	76	B		
KOR	CRMS	11640.000	28	10	0438	0438	16.7	CNR	CHN	BC		A3E									3	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	11640.010	27	10	0800			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	11645.000	29	10	1505	1505	17.1	KCB	KRE	BC		A3E									3	
HNG	TARNOK	11649.999	10	11	0900	1100	23.0	IBB/VOA	THA	BC	9K94	A3E										
RUS	SMOLENSK	11650.000	27	10	0530	0630	16.0		CHN	BC	2K99	A3E	102	E	34	25	N	54	89	B		
RUS	ARKHANGELSK	11650.000	27	10	1000	1015	29.0	CRI	CHN	BC		A3E							106	B		
RUS	BELGOROD	11650.000	27	10	1039	1044	63.1		ROU	BC	9K70	A3E	026	E	50	46	N	44				
HNG	TARNOK	11650.000	08	11	0329	0427	51.0	RADIO TAMAZUJ	MDG	BC	10K0E	A3E										
HNG	TARNOK	11650.000	08	11	1400	1457	36.1	CRI	CHN	BC	9K58	A3E										
HNG	TARNOK	11650.000	10	11	1400	1457	28.8	CRI	CHN	BC	9K79	A3E										
HNG	TARNOK	11650.002	10	11	1100	1200	24.7	CRI	CHN	BC	9K94	A3E										
HNG	TARNOK	11650.002	10	11	1200	1257	30.8	CRI	CHN	BC	9K77	A3E										
HNG	TARNOK	11650.004	10	11	0430	0500	29.3	RADIO DABANGA	MDG	BC	9K85	A3E										
HNG	TARNOK	11654.986	10	11	1600	1630	35.1	IBRA MEDIA	UAE	BC	9K22	A3E									3	
HNG	TARNOK	11659.983	10	11	1630	1800	44.1	TWR	SWZ	BC	9K73	A3E									3	
HNG	TARNOK	11659.998	10	11	1100	1200	38.5	IBB/VOA	PHL	BC	9K85	A3E										
HNG	TARNOK	11659.998	10	11	1200	1500	53.2	IBB/VOA	PHL	BC	8K82	A3E										
INS	MSCK-TANGERANG	11660.000	25	10	0600	0700		CNR 2-China Business Radio	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	11660.000	27	10	0230	0300	45.0		CHN	BC		A3E	108	E	44	33	N	34	129	A		
RUS	SMOLENSK	11660.000	27	10	0530	0630	42.0		TUR	BC	2K99	A3E	032	E	42	39	N	12	178	B		
RUS	ARKHANGELSK	11660.000	27	10	1015	1030	19.0		CHN	BC		A3E							92	B		
RUS	S. PETERSBURG	11660.000	27	10	1435	1500	35.0		CHN	BC	16K5	A3E	102	E	46	24	N	59	91	B		
HNG	TARNOK	11660.020	10	11	0450	0656	46.5	TRT	TUR	BC	9K55	A3E									3	
INS	MSPA-SAMARINDA	11665.000	25	10	0005	0007	45.7	RTM WAI / LIMBANG FM	MLA	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11665.000	25	10	2301	2303	45.2	RTM WAI / LIMBANG FM	MLA	BC	9K00E	A3E										
HNG	TARNOK	11666.798	10	11	0000	0420	7.7				3K00E	G1D										STANAG 4285
HNG	TARNOK	11669.999	10	11	1600	1700	54.4	IBB/VOA	PHL	BC	9K65	A3E										
I	ROMA	11670.000	11	10	1555	1604	39.0	R EXTERIOR DE ESPANA	E	BC	10K0E	A3E										SPA
INS	MSPA-SAMARINDA	11670.000	25	10	0007	0009	44.1	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11670.000	25	10	0600	0700		CNR 2-China Business Radio	CHN	BC	9K00	A3E										-
RUS	SMOLENSK	11670.000	27	10	0530	0630	23.0		CHN	BC	2K99	A3E	116	E	04	39	N	07	69	B		
RUS	ARKHANGELSK	11670.000	27	10	1030	1040	26.0		CHN	BC		A3E							83	B		
KOR	CRMS	11670.000	01	11	0413	0413	13.6		CHN	BC		A3E										6
KOR	CRMS	11670.000	10	12	0701	0701	12.3		CHN	BC		A3E										3
RUS	BELGOROD	11675.000	27	10	0615	0620	65.3		TUR	BC	9K20	A3E	033	E	21	39	N	24				
RUS	ARKHANGELSK	11675.000	27	10	1040	1050	35.0	Voice of Turkey	TUR	BC	1K34	A3E							195	B		
HNG	TARNOK	11675.000	10	11	1330	1430	32.8	IBB/VOA	PHL	BC	9K96	A3E										
HNG	TARNOK	11676.802	10	11	0000	0420	7.4				3K00E	G1D										STANAG 4285
HNG	TARNOK	11679.999	10	11	1200	1257	20.6	CRI	CHN	BC	9K91	A3E										
KOR	CRMS	11680.000	21	10	2112	2112	14.1		KRE	BC		A3E										6

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSPA-SAMARINDA	11680.000	25	10	0009	0011	40.2	KCBS PYONGYANG	KRE	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11680.000	25	10	0600	0700		KCBS PYONGYANG	KRE	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11680.000	25	10	2303	2306	43.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
RUS	ARKHANGELSK	11680.000	27	10	1050	1100	32.0		KRE	BC	2K99	A3E							74	B		
KOR	CRMS	11680.000	15	11	0510	0510	19.5		KRE	BC		A3E									6	
KOR	CRMS	11680.000	27	12	0412	0412	57.7		KRE	BC		A3E									3	
INS	MSPA-SAMARINDA	11685.000	25	10	0011	0013	44.5	CNR 11	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	11685.000	27	10	0530	0630	21.0		CHN	BC	2K99	A3E	107	E	26	33	N	43	79	B		
RUS	ARKHANGELSK	11685.000	27	10	1100	1110	31.0	CNR	CHN	BC		A3E							92	B		
KOR	CRMS	11685.000	28	10	0440	0440	58.7	KCB	KRE	BC		A3E									3	
HNG	TARNOK	11689.999	10	11	1200	1257	35.9	CRI	CHN	BC	9K60	A3E										
INS	MSCK-TANGERANG	11690.000	25	10	0600	0700		CNR 1 3E8 (Digital)	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11690.000	25	10	2306	2307	45.5	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
J	TOKYO	11690.000	28	10	2300			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11690.008	10	11	1100	1200	39.5	KSDA AWR	USA	BC	9K83	A3E										
J	TOKYO	11695.000	05	10	0528			CHINA N.R.		BC		D7W	108	E	20	22	N	52	254	B		
J	TOKYO	11695.000	12	10	0210			CHINA N.R.		BC		D7W	109	E	15	19	N	04	247	B		
J	TOKYO	11695.000	25	11	0205			CHINA N.R.		BC		D7W	109	E	10	18	N	58	247	B		
J	TOKYO	11695.000	27	12	0740					BC		D7W										
HNG	TARNOK	11695.001	10	11	1330	1630	25.5	IBB/RADIOFARDA	D	BC	9K21	A3E										
INS	MSPA-SAMARINDA	11700.000	25	10	0013	0015	46.8	BBC	SNG	BC	9K00E	A3E										
RUS	BELGOROD	11700.000	27	10	0550	0555	42.6		F	BC	9K60	A3E	001	E	53	46	N	57				
RUS	SAMARA	11700.000	27	10	1000	1100	12.0		F	BC	10K0	A3E	024	E	20	47	N	08	279	B		
HNG	TARNOK	11700.000	10	11	0600	0800	38.2	RFI	F	BC	9K72	A3E										
HNG	TARNOK	11700.000	12	11	0600	0800	47.1	RFI	F	BC	10K3	A3E										
RUS	NOVOSIBIRSK	11705.000	27	10	0230	0300	55.0		CHN	BC		A3E	086	E	57	43	N	49	166	A		
HNG	TARNOK	11709.989	12	11	1400	1804	27.6	CNR	CHN	BC	9K10	A3E									3	
HNG	TARNOK	11709.997	12	11	2025	2400	26.2	CNR	CHN	BC	9K30	A3E										
INS	MSPA-SAMARINDA	11710.000	25	10	0015	0017	43.1	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11710.000	25	10	2307	2308	45.8	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	11710.000	27	10	0800	0830	41.0		CHN	BC		A3E	107	E	58	33	N	03	131	A		
J	TOKYO	11710.000	27	10	0800			CHINA R.I.	CHN	BC		A3E										
RUS	SMOLENSK	11710.000	27	10	0800	0900	33.0		TUR	BC	2K99	A3E	032	E	23	38	N	51	179	B		
RUS	BELGOROD	11710.000	27	10	1104	1108	57.5		CHN	BC	9K10	A3E	116	E	27	39	N	57				
RUS	ARKHANGELSK	11710.000	27	10	1110	1120	43.0	CNR	CHN	BC	2K77	A3E							83	B		
RUS	S. PETERSBURG	11710.000	27	10	1500	1520	40.0		CHN	BC	11K5	A3E	115	E	42	39	N	26	71	B		
HNG	TARNOK	11710.000	12	11	0800	0856	48.4	VOT		BC	9K10	A3E										
HNG	TARNOK	11710.073	12	11	0000	0130	31.3	CNR17	CHN	BC	9K80	A3E									3	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	11715.000	06	10	0007	0007	29.2		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11715.000	25	10	0017	0019	43.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSCK-TANGERANG	11715.000	25	10	0600	0700		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11715.000	25	10	2308	2310	45.6	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
RUS	BELGOROD	11715.000	27	10	1108	1112	59.7		J	BC	10K3	A3E	139	E	49	36	N	10				
KOR	CRMS	11715.000	08	11	0411	0411	30.8		CHN	BC		A3E									6	
KOR	CRMS	11715.000	26	11	0609	0609	59.6		CHN	BC		A3E									6	
KOR	CRMS	11715.000	29	12	0011	0011	77.9		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11720.000	25	10	0019	0021	44.1	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11720.000	25	10	0530	0600		VOICE OF VIETNAM 1	VTN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11720.000	25	10	2310	2313	43.4	VOICE OF VIETNAM	VTN	BC	9K00E	A3E										
KOR	CRMS	11720.000	28	10	0441	0441	49.3	CNR	CHN	BC		A3E									3	
KOR	CRMS	11725.000	30	10	1808	1808	53.8		B	BC		A3E									6	
HNG	TARNOK	11725.008	12	11	0858	1500	24.7	RNZ	NZL	BC	10K3	A3E										
KOR	CRMS	11730.000	25	10	0448	0448	30.2		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11730.000	25	10	2313	2315	40.2	R.ROMANIA . INT.	ROU	BC	9K00E	A3E										
RUS	BELGOROD	11730.000	27	10	0600	0603	59.2		F	BC	9K70	A3E	001	E	53	46	N	57				
RUS	SAMARA	11730.000	27	10	1000	1100	12.0		TUR	BC	10K0	A3E	031	E	50	39	N	52	229	B		
HNG	TARNOK	11730.000	12	11	0230	0330	24.3	CRI	CHN	BC	9K93	A3E										
RUS	SMOLENSK	11735.000	27	10	0800	0900	21.0		KRE	BC	2K99	A3E	126	E	03	39	N	42	62	B		
RUS	ARKHANGELSK	11735.000	27	10	1130	1140	22.0		KRE	BC		A3E							75	B		
KOR	CRMS	11735.000	28	10	0442	0442	67.6		CHN	BC		A3E									6	
HNG	TARNOK	11739.999	12	11	1100	1600	31.6	CNR	CHN	BC	9K65	A3E										
INS	MSPA-SAMARINDA	11740.000	25	10	0021	0023	45.3	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11740.000	25	10	2315	2317	44.5	CNR 2 VOICE OF CHINA	CHN	BC	9K00E	A3E										
J	TOKYO	11740.000	27	10	0400			CHINA R.I.	CHN	BC		A3E										
RUS	BELGOROD	11740.000	27	10	1112	1127	48.7		CHN	BC	9K30	A3E	111	E	59	36	N	52				
HNG	TARNOK	11740.005	12	11	2055	2400	34.8	CNR	CHN	BC	9K82	A3E										
KOR	CRMS	11745.000	09	10	1814	1814	16.7		KWT	BC		A3E									6	
INS	MSPA-SAMARINDA	11745.000	25	10	0023	0025	44.4	AL - AZM RADIO	ARS	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11745.000	25	10	2317	2319	43.7	AL - AZM RADIO	ARS	BC	9K00E	A3E										
KOR	CRMS	11745.000	02	11	0800	0800	30.3		J	BC		A3E									6	
HNG	TARNOK	11745.000	12	11	0900	2200	23.2	SBC	ARS	BC	9K43	A3E										
HNG	TARNOK	11745.013	12	11	0000	0700	35.6	SBC	ARS	BC	9K96	A3E									3	
KOR	CRMS	11750.000	04	10	2110	2110	18.4		USA	BC		A3E									6	
KOR	CRMS	11750.000	18	10	2108	2108	12.5		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11750.000	25	10	0025	0027	42.5	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11750.000	25	10	0500	0530		CNR 1 Voice of China	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11750.000	25	10	2319	2321	45.5	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SMOLENSK	11750.000	27	10	0530	0630	37.0		ALB	BC	2K99	A3E	019	E	20	41	N	25	217	B		
RUS	BELGOROD	11750.000	27	10	0603	0615	67.1		TUR	BC	9K10	A3E	033	E	21	39	N	24				
RUS	ARKHANGELSK	11750.000	27	10	1140	1150	33.0	CRI	CHN	BC	2K45	A3E							91	B		
KOR	CRMS	11750.000	07	12	2132	2132	19.4		USA	BC		A3E									11	
HNG	TARNOK	11750.001	12	11	1400	1430	47.1	FEBC RADIO	PHL	BC	9K49	A3E										
HNG	TARNOK	11750.005	12	11	1630	1830	47.4	SRI LANKA BC	CLN	BC	9K95	A3E										
INS	MSPA-SAMARINDA	11760.000	25	10	0027	0030	45.8	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11760.000	25	10	0430	0500		CNR 1 Voice of China	CHN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	11760.000	25	10	2321	2323	43.8	R.HABANA CUBA	CUB	BC	9K00E	A3E										
RUS	ARKHANGELSK	11760.000	27	10	1300	1310	45.0	CRI	CHN	BC	1K20	A3E							104	B		
HNG	TARNOK	11760.000	14	11	0700	0730	43.2	RFI	F	BC	9K68	A3E										
KOR	CRMS	11760.000	29	12	0011	0011	50.5	CNR	CHN	BC		A3E									6	
HNG	TARNOK	11760.001	14	11	0730	1000	32.3	CNR1	CHN	BC	9K89	A3E										
HNG	TARNOK	11760.001	14	11	1400	1500	54.8	IBB/VOA	PHL	BC	9K56	A3E										
KOR	CRMS	11765.000	08	10	1503	1503	10.0		TUR	BC		A3E									6	
INS	MSCK-TANGERANG	11765.000	25	10	0400	0430		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
KOR	CRMS	11765.000	08	12	1503	1503	10.0		TUR	BC		A3E									6	
INS	MSPA-SAMARINDA	11770.000	25	10	0030	0032	44.7	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11770.000	25	10	0330	0400		PBS XINJIANG	CHN	BC	9K00	A3E									-	
RUS	NOVOSIBIRSK	11770.000	27	10	0300	0330	48.0		CHN	BC		A3E	087	E	24	43	N	31	164	A		
RUS	SMOLENSK	11770.000	27	10	0530	0630	34.0		CHN	BC	2K99	A3E	086	E	58	44	N	02	84	B		
RUS	ARKHANGELSK	11770.000	27	10	1150	1200	30.0		CHN	BC		A3E							106	B		
KOR	CRMS	11775.000	10	10	0412	0412	17.6		CHN	BC		A3E									6	
KOR	CRMS	11775.000	21	10	0407	0407	42.4		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	11775.000	25	10	0300	0330		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	11775.000	25	10	2323	2325	45.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									TAIWAN	
KOR	CRMS	11775.000	04	11	0431	0431	24.4		CHN	BC		A3E									6	
KOR	CRMS	11775.000	03	12	0735	0735	31.5		CHN	BC		A3E									11	
KOR	CRMS	11780.000	08	10	1503	1503	10.9		B	BC		A3E									6	
INS	MSPA-SAMARINDA	11780.000	25	10	0034	0037	45.6	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11780.000	28	10	0447	0447	19.0	CRI	CHN	BC		A3E									3	
KOR	CRMS	11780.000	10	11	0007	0007	43.5	CRI	CHN	BC		A3E									3	
KOR	CRMS	11780.000	08	12	1503	1503	10.9		B	BC		A3E									11	
KOR	CRMS	11780.000	10	12	0007	0007	43.5	CRI	CHN	BC		A3E									6	
HNG	TARNOK	11780.001	14	11	1000	1200	41.0	RRO	ROU	BC	9K39	A3E										
RUS	ARKHANGELSK	11785.000	27	10	1200	1210	48.0	Voice of America	PHL	BC	1K73	A3E							92	B		
HNG	TARNOK	11785.000	14	11	1400	1500	66.3	CRI	CHN	BC	9K96	A3E										
INS	MSPA-SAMARINDA	11790.000	25	10	0037	0049	45.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSCK-TANGERANG	11790.000	25	10	0200	0230		NHK WORLD RADIO NIPPON	J	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11790.000	25	10	2325	2328	45.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	11790.000	14	11	1200	1400	35.0	CRI	CHN	BC	9K93	A3E										
RUS	BELGOROD	11795.000	27	10	0850	0853	61.6		TUR	BC	10K1	A3E	033	E	21	39	N	24				
RUS	ARKHANGELSK	11795.000	27	10	1210	1220	42.0	KBS World Radio	KOR	BC	1K43	A3E							75	B		
HNG	TARNOK	11795.004	14	11	0926	1056	54.6	TRT	TUR	BC	9K66	A3E										
I	ROMA	11800.000	11	10	1559	1605	43.0	ADVENTIST WORLD RADI		BC	10K0E	A3E										URD
INS	MSPA-SAMARINDA	11800.000	25	10	0039	0042	44.8	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11800.000	25	10	0130	0200		CNR 2-China Business Radio	CHN	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11800.000	25	10	2328	2331	44.6	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	11800.000	27	10	0530	0630	29.0		CHN	BC	2K99	A3E	115	E	59	39	N	21	69	B		
RUS	ARKHANGELSK	11800.000	27	10	1220	1230	43.0		CHN	BC	2K68	A3E							83	B		
J	TOKYO	11809.990	27	10	0100			KBS WORLD R.	KOR	BC		A3E										
INS	MSPA-SAMARINDA	11810.000	25	10	0042	0046	43.6	CNR 8	CHN	BC	9K00E	A3E										
INS	MSCK-TANGERANG	11810.000	25	10	0100	0130		KBS WORLD RADIO	KOR	BC	9K00	A3E										-
INS	MSPA-SAMARINDA	11810.000	25	10	2331	2333	43.5	CNR 8	CHN	BC	9K00E	A3E										
KOR	CRMS	11810.000	26	10	0733	0733	18.1		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	11810.000	27	10	0530	0600	14.0		CHN	BC		A3E	116	E	58	39	N	48	110	A		
HNG	TARNOK	11810.000	16	11	0000	0300	21.4	CNR 8	CHN	BC	8K98	A3E										
KOR	CRMS	11810.000	16	11	0757	0757	10.6		CHN	BC		A3E									6	
KOR	CRMS	11810.000	29	12	0012	0012	41.9	CNR	CHN	BC		A3E									6	
I	ROMA	11815.000	11	10	1559	1605	44.0	RADIO VATICANA	CVA	BC	10K0E	A3E										
KOR	CRMS	11815.000	26	10	0734	0734	21.7		J	BC		A3E									6	
KOR	CRMS	11815.000	28	10	0458	0458	29.4		CHN	BC		A3E									6	
HNG	TARNOK	11815.019	16	11	1400	1656	74.0	TRT	TUR	BC	9K13	A3E									3	
INS	MSPA-SAMARINDA	11820.000	25	10	0046	0048	44.7	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	11820.000	16	11	0000	0057	26.0	CRI	CHN	BC	8K92	A3E										
KOR	CRMS	11820.000	29	12	0012	0012	51.8	CRI	CHN	BC		A3E									6	
HNG	TARNOK	11824.998	16	11	1215	1230	45.5	HCA	AUS	BC	9K13	A3E										
KOR	CRMS	11825.000	08	10	1505	1505	0.7		AUS	BC		A3E									6	
INS	MSPA-SAMARINDA	11825.000	25	10	2333	2336	46.3	BBC	PHL	BC	9K00E	A3E										
RUS	ARKHANGELSK	11825.000	27	10	1230	1240	63.0	Voice of America	THA	BC	2K90	A3E							108	B		
KOR	CRMS	11825.000	22	11	0426	0426	60.9		CHN	BC		A3E									6	
KOR	CRMS	11825.000	08	12	1505	1505	0.7		AUS	BC		A3E									6	
KOR	CRMS	11825.000	27	12	0414	0414	67.2		CHN	BC		A3E									3	
HNG	TARNOK	11830.000	16	11	1600	1700	32.0	DWL	F	BC	8K54	A3E										
INS	MSCK-TANGERANG	11835.000	25	10	0000	0030		CNR 2-China Business Radio	CHN	BC	9K00	A3E										-

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSPA-SAMARINDA	11835.000	25	10	0048	0051	45.1	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	11835.000	27	10	0530	0630	31.0		CHN	BC	2K99	A3E	108	E	51	34	N	13	78	B		
RUS	ARKHANGELSK	11835.000	27	10	1240	1250	40.0		CHN	BC	2K99	A3E							93	B		
KOR	CRMS	11840.000	17	10	0422	0422	42.5		CHN	BC		A3E									6	
KOR	CRMS	11840.000	21	10	0409	0409	49.9		CHN	BC		A3E									6	
RUS	BELGOROD	11840.000	27	10	0845	0850	58.2		CHN	BC	10K0	A3E	075	E	43	39	N	22				
RUS	ARKHANGELSK	11840.000	27	10	1250	1300	62.0		CHN	BC	2K94	A3E							87	B		
KOR	CRMS	11840.000	01	11	0417	0417	20.6		CHN	BC		A3E									6	
KOR	CRMS	11840.000	03	12	0736	0736	30.3		CHN	BC		A3E									11	
HNG	TARNOK	11840.001	16	11	0400	0900	25.5	CNR 1	CHN	BC	10K0E	A3E										
INS	MSCK-TANGERANG	11845.000	24	10	2330	2400		CNR 2-China Business Radio	CHN	BC	9K00	A3E									-	
INS	MSPA-SAMARINDA	11845.000	25	10	0041	0053	45.8	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	11845.000	27	10	0330	0400	44.0		CHN	BC		A3E	107	E	39	33	N	33	131	A		
RUS	SMOLENSK	11845.000	27	10	0530	0630	35.0		CHN	BC	2K99	A3E	108	E	33	34	N	10	78	B		
INS	MSPA-SAMARINDA	11850.000	22	10	2315	2330	44.7	R. HABANA	CUB	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11850.000	25	10	0053	0055	41.3	R.HABANA CUBA	CUB	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11850.000	25	10	2336	2341	42.5	R.HABANA CUBA	CUB	BC	9K00E	A3E										
HNG	TARNOK	11850.001	18	11	1600	2100	40.8	IBB/VOA	BOT	BC	9K56	A3E										
RUS	SMOLENSK	11855.000	26	10	0730	0830	39.0		ALB	BC	2K99	A3E	019	E	32	41	N	41	217	B		
HNG	TARNOK	11855.000	18	11	1300	1400	44.8	RFA	USA	BC	9K00	A3E										
HNG	TARNOK	11859.963	18	11	1400	2200	43.4	RADIOMARTI	USA	BC	9K70	A3E									3	
HNG	TARNOK	11859.964	18	11	0500	0858	38.3	CNR	CHN	BC	9K23	A3E									3	
INS	MSCK-TANGERANG	11860.000	22	10	0600	0630		Republic of Yemen Radio	ARS	BC	9K00E	A3E									-	
RUS	NOVOSIBIRSK	11860.000	26	10	0130	0200	35.0		CHN	BC		A3E	102	E	16	24	N	50	147	A		
RUS	SMOLENSK	11860.000	26	10	0530	0630	45.0		ARS	BC	2K99	A3E	046	E	29	24	N	24	155	B		
RUS	MOROZOVS	11860.000	26	10	0600	0615	9.0		ARS	BC	3K00	A3E	045	E	25	19	N	00	173	C		
RUS	BELGOROD	11860.000	26	10	0620	0624	58.7		ARS	BC	9K70	A3E	046	E	52	24	N	29				
RUS	ARKHANGELSK	11860.000	26	10	0800	0820	15.0		ARS	BC		A3E							172	B		
INS	MSPA-SAMARINDA	11865.000	22	10	2330	2333	44.6	VOICE OF KOREA	USA	BC	9K00E	A3E										
RUS	ARKHANGELSK	11865.000	26	10	0740	0750	25.0		KRE	BC		A3E							73	B		
J	TOKYO	11865.000	27	10	0700			V.O. KOREA	KRE	BC		A3E										
RUS	NOVOSIBIRSK	11870.000	26	10	0200	0230	20.0		CHN	BC		A3E	075	E	49	39	N	26	201	A		
RUS	SMOLENSK	11870.000	26	10	0530	0630	33.0		CHN	BC	2K99	A3E	076	E	05	39	N	09	100	B		
HNG	TARNOK	11870.000	18	11	0600	0700	32.2	CRI		BC	10K8	A3E										
HNG	TARNOK	11870.000	18	11	1430	1630	27.6	IBB/VOA	PHL	BC	10K1	A3E										
HNG	TARNOK	11874.973	18	11	1200	1400	42.8	REACH BEYOND A.	AUS	BC	9K28	A3E									3	
I	ROMA	11875.000	11	10	1600	1605	58.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E										RUS
KOR	CRMS	11875.000	14	10	1330	1330	27.2		UZB	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	11875.000	23	10	0943	0943	43.2		USA	BC		A3E									6	
KOR	CRMS	11875.000	24	10	1207	1207	46.1		AUS	BC		A3E									6	
HNG	TARNOK	11875.007	18	11	0419	0600	56.5	IRI	IRN	BC	9K45	A3E										
RUS	BELGOROD	11880.000	26	10	0624	0628	63.0		AUT	BC	10K0	A3E	016	E	28	48	N	00				
RUS	SMOLENSK	11880.000	26	10	0630	0730	52.0		AUT	BC	2K99	A3E	016	E	36	48	N	04	241	B		
RUS	MOROZOVSK	11880.000	26	10	0700	0715	13.0		AUS	BC	9K00	A3E	016	E	20	47	N	58	278	B		
HNG	TARNOK	11880.000	18	11	1400	1457	50.8	CRI		BC	10K7	A3E										
HNG	TARNOK	11880.002	18	11	0600	0700	44.7	AWR	AUT	BC	9K87	A3E										
INS	MSCK-TANGERANG	11885.000	22	10	0600	0630		PBS Xinjiang	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11885.000	22	10	2333	2336	44.2	PBS XINJIANG	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	11885.000	26	10	0230	0300	19.0		CHN	BC		A3E	087	E	19	43	N	49	164	A		
RUS	SMOLENSK	11885.000	26	10	0530	0630	29.0		CHN	BC	2K99	A3E	087	E	22	43	N	56	84	B		
RUS	ARKHANGELSK	11885.000	26	10	0730	0800	35.0		CHN	BC	1K75	A3E							105	B		
HNG	TARNOK	11885.000	18	11	1800	1830	33.8	VOV	VTN	BC	10K6	A3E										
HNG	TARNOK	11885.000	18	11	2100	2200	36.7	VOV	VTN	BC	10K3	A3E										
KOR	CRMS	11885.000	29	12	0013	0013	36.8	CRI	CHN	BC		A3E									3	
INS	MSCK-TANGERANG	11895.000	22	10	0600	0630		CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11895.000	22	10	0602	0605	46.4	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11895.000	24	10	0410	0410	52.0		USA	BC		A3E									6	
KOR	CRMS	11895.000	25	10	0451	0451	39.1		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	11895.000	26	10	0500	0530	22.0		CHN	BC		A3E	076	E	10	39	N	41	200	A		
RUS	SMOLENSK	11895.000	26	10	0530	0630	34.0		CHN	BC	2K99	A3E	074	E	53	39	N	15	101	B		
RUS	MOROZOVSK	11895.000	26	10	0615	0630	10.0		CHN	BC	3K00	A3E	075	E	51	38	N	42	99	C		
RUS	BELGOROD	11895.000	26	10	0630	0636	67.6		CHN	BC	9K10	A3E	075	E	42	39	N	30				
RUS	ARKHANGELSK	11895.000	26	10	0815	0830	36.0	CRI	CHN	BC	2K95	A3E							123	B		
KOR	CRMS	11895.000	18	11	0413	0413	37.8		J	BC	9K05E	A3E									6	
HNG	TARNOK	11895.000	18	11	0500	0900	24.9	CRI		BC	8K56	A3E										
I	ROMA	11900.000	12	10	1600	1605	31.0	CHINA PLUS RADIO	CHN	BC	10K0E	A3E										ENG
KOR	CRMS	11900.000	21	10	1207	1207	50.4		AUS	BC		A3E									6	
INS	MSPA-SAMARINDA	11900.000	22	10	2336	2339	45.7	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11900.000	31	10	1209	1209	66.2	AGM	PHL	BC		A3E									3	
HNG	TARNOK	11900.000	20	11	1200	1300	40.5	IBB/VOA	PHL	BC	9K61	A3E										
HNG	TARNOK	11900.000	20	11	1300	1357	20.4	CRI	CHN	BC	9K96	A3E										
J	TOKYO	11900.000	15	12	0000			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11904.999	20	11	0600	0900	20.2	CNR6	CHN	BC	9K99	A3E										
INS	MSCK-TANGERANG	11905.000	22	10	0600	0630		CNR 6	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11905.000	22	10	0605	0609	45.7	CNR 6	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	11905.000	26	10	0300	0330	10.0		CHN	BC		A3E	116	E	15	40	N	02	110	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SMOLENSK	11905.000	26	10	0630	0730	23.0		CHN	BC	2K99	A3E	116	E	02	39	N	32	68	B		
HNG	TARNOK	11905.000	20	11	1600	1800	15.7	IBB/VOA	D	BC	9K88	A3E										
HNG	TARNOK	11905.001	20	11	0430	0530	41.1	BBC	OMA	BC	9K50	A3E										
HNG	TARNOK	11909.999	20	11	1400	1500	48.7	IBB/VOA	THA	BC	9K74	A3E										
INS	MSPA-SAMARINDA	11910.000	22	10	2339	2341	46.4	NHK WORLD RADIO NIPPON	J	BC	9K00E	A3E										
HNG	TARNOK	11914.998	20	11	0900	1000	17.4	CNR2	CHN	BC	9K99	A3E										
INS	MSCK-TANGERANG	11915.000	22	10	0600	0630		CNR 2-China Business Radio	CHN	BC	9K00E	A3E										-
RUS	SMOLENSK	11915.000	26	10	0530	0630	31.0		CHN	BC	2K99	A3E	107	E	00	34	N	58	79	B		
RUS	NOVOSIBIRSK	11915.000	26	10	0600	0630	31.0		CHN	BC		A3E	107	E	01	34	N	04	131	A		
KOR	CRMS	11915.000	26	10	0735	0735	30.0	CNR	CHN	BC		A3E										3
HNG	TARNOK	11915.001	20	11	1200	1300	24.8	RTI	CHN	BC	9K99	A3E										
KOR	CRMS	11925.000	25	10	0452	0452	16.3		CHN	BC		A3E										6
KOR	CRMS	11925.000	04	11	0440	0440	-3.6		CHN	BC		A3E										6
HNG	TARNOK	11925.000	20	11	1000	1400	26.6	CNR1	CHN	BC	9K97	A3E										
HNG	TARNOK	11925.000	20	11	2100	2200	20.1	CNR1	CHN	BC	9K97	A3E										
HNG	TARNOK	11925.001	20	11	0000	0200	17.9	CNR1	CHN	BC	10K0E	A3E										
HNG	TARNOK	11925.003	20	11	0700	0956	38.3	TRT	TUR	BC	8K48	A3E										
HNG	TARNOK	11927.800	20	11	0000	0200	17.8				3K00E	G1D										STANAG 4285
I	ROMA	11930.000	18	10	1631	1635	66.0	RADIO TURCHIA	TUR	BC	10K0E	A3E										SPANISH
INS	MSPA-SAMARINDA	11930.000	22	10	2341	2343	40.1	R. MARTI	USA	BC	9K00E	A3E										
RUS	BELGOROD	11930.000	26	10	0628	0630	62.1	BBC	AUT	BC	10K0	A3E	016	E	28	48	N	00				
RUS	MOROZOVSK	11930.000	26	10	0645	0700	22.0		AUS	BC	9K00	A3E	016	E	04	47	N	57	278	B		
HNG	TARNOK	11930.001	20	11	1400	1800	29.8	RADIO MARTI	USA	BC	10K0E	A3E										
HNG	TARNOK	11934.999	20	11	1200	1230	47.5	IBB/RFA	USA	BC	8K78	A3E										
INS	MSCK-TANGERANG	11935.000	22	10	0500	0530		CNR 5	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	11935.000	22	10	0609	0614	45.9	CNR 5	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11935.000	22	10	2343	2346	45.3	CNR 5	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	11935.000	26	10	0730	0830	27.0		CHN	BC	2K99	A3E	115	E	51	39	N	20	69	B		
RUS	ARKHANGELSK	11935.000	26	10	0810	0840	34.0		CHN	BC	2K88	A3E							81	B		
KOR	CRMS	11935.000	07	12	0629	0629	32.2		CHN	BC		A3E										6
HNG	TARNOK	11935.001	20	11	0600	0900	22.7	CNR5	CHN	BC	9K99	A3E										
HNG	TARNOK	11935.004	20	11	1530	1630	30.3	VAT	CVA	BC	9K95	A3E										
I	ROMA	11940.000	11	10	1600	1605	59.0	CHINA PLUS RADIO	CHN	BC	15K5E	A3E										ENG
HNG	TARNOK	11944.993	20	11	1200	1230	41.0	HCJB	AUS	BC	9K39	A3E										
KOR	CRMS	11945.000	04	10	2112	2112	32.3	AGM	USA	BC		A3E										3
INS	MSPA-SAMARINDA	11945.000	22	10	2346	2349	45.8	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
RUS	MOROZOVSK	11945.000	26	10	0745	0800	17.0		IRN	BC	9K00	A3E	055	E	47	28	N	08	147	B		
KOR	CRMS	11945.000	10	11	0008	0008	35.5		CHN	BC		A3E										6
HNG	TARNOK	11945.000	20	11	1000	1100	22.6	BBC	SNG	BC	9K96	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HNG	TARNOK	11945.000	20	11	1300	1327	32.8	RRO	ROU	BC	9K84	A3E										
KOR	CRMS	11945.000	07	12	2133	2133	30.2	AGM	USA	BC		A3E									6	
KOR	CRMS	11945.000	10	12	0008	0008	35.5		CHN	BC		A3E									3	
HNG	TARNOK	11945.001	22	11	2330	2400	34.5	REE	E	BC	9K99	A3E										
RUS	NOVOSIBIRSK	11950.000	26	10	0330	0400	27.0		CHN	BC		A3E	091	E	07	29	N	36	165	A		
RUS	SMOLENSK	11950.000	26	10	0630	0730	25.0		CHN	BC	2K99	A3E	091	E	02	29	N	32	96	B		
HNG	TARNOK	11950.000	20	11	0600	0900	18.8	PBS XIZANG	CHN	BC	9K99	A3E										
HNG	TARNOK	11950.001	22	11	0500	0856	22.9	PBS XIZANG	CHN	BC	10K3	A3E										
INS	MSPA-SAMARINDA	11955.000	22	10	2349	2350	44.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
RUS	S. PETERSBURG	11955.000	26	10	1500	1530	62.0		AUT	BC	10K2	A3E	016	E	12	48	N	04	220	B		
HNG	TARNOK	11955.001	22	11	1330	1427	33.2	CRI	CHN	BC	9K86	A3E										
HNG	TARNOK	11955.002	22	11	1530	1858	30.6	AWR	AUT	BC	9K84	A3E										
INS	MSCK-TANGERANG	11960.000	22	10	0330	0400		CNR 1 Voice of China	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11960.000	22	10	0614	0617	43.4	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	11960.000	26	10	0630	0730	27.0		CHN	BC	2K99	A3E	085	E	38	45	N	03	83	B		
HNG	TARNOK	11965.002	22	11	1330	1359	22.7	RADIO NUG	CHN	BC	9K99	A3E										
HNG	TARNOK	11965.005	22	11	1400	1600	20.1	IBB/RFE	D	BC	9K99	A3E										
INS	MSCK-TANGERANG	11970.000	22	10	0300	0330		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									-	
RUS	SMOLENSK	11970.000	26	10	0630	0730	10.0		KWT	BC	2K99	X7E	047	E	45	29	N	07	150	B		
HNG	TARNOK	11970.000	22	11	0500	0815	34.9	RKW	KWT	BC	10K0E	X7E									DRM	
KOR	CRMS	11975.000	06	10	0918	0918	9.9		CHN	BC		A3E									6	
KOR	CRMS	11975.000	13	10	0937	0937	35.4		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	11975.000	22	10	0230	0300		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11975.000	22	10	0617	0620	44.1	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									TAIWAN	
INS	MSPA-SAMARINDA	11975.000	22	10	2350	2351	44.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									TAIWAN	
KOR	CRMS	11975.000	26	10	0737	0737	44.6		CHN	BC		A3E									6	
HNG	TARNOK	11975.000	22	11	1400	1600	36.4	ROR	ROU	BC	9K72	A3E										
KOR	CRMS	11975.000	26	11	0612	0612	74.8		CHN	BC		A3E									6	
KOR	CRMS	11975.000	30	12	0307	0307	67.4		CHN	BC		A3E									3	
HNG	TARNOK	11975.001	22	11	0000	0100	20.5	CRI	CHN	BC	9K20	A3E										
RUS	SMOLENSK	11980.000	26	10	0630	0730	45.0		D	BC	2K99	A3E	012	E	09	52	N	38	267	B		
RUS	BELGOROD	11980.000	26	10	0636	0640	64.8	Radio Romania International	ROU	BC	9K70	A3E	026	E	06	44	N	04				
KOR	CRMS	11980.000	01	11	0420	0420	27.3		CHN	BC		A3E									6	
HNG	TARNOK	11980.000	22	11	0400	0700	39.9	RFA	USA	BC	9K23	A3E										
HNG	TARNOK	11980.000	22	11	0900	1357	18.0	CRI	CHN	BC	9K99	A3E										
HNG	TARNOK	11980.000	22	11	1800	1900	14.0	DWL	F	BC	9K99	A3E										
KOR	CRMS	11980.000	07	12	0629	0629	31.7		CHN	BC		A3E									6	
HNG	TARNOK	11980.001	22	11	1300	1357	34.0	DWL	STP	BC	9K91	A3E										
HNG	TARNOK	11980.001	22	11	2200	2300	29.2	AWR	USA	BC	9K99	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	11985.000	11	10	0336	0336	27.6		KWT	BC		A3E									6	
KOR	CRMS	11985.000	30	10	1810	1810	57.3		USA	BC		A3E									6	
KOR	CRMS	11985.000	06	12	1827	1827	-0.4	AGM	USA	BC		A3E									6	
KOR	CRMS	11990.000	21	10	1209	1209	43.0		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	11990.000	22	10	0200	0230		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	11990.000	22	10	0620	0623	45.7	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									TAIWAN	
INS	MSPA-SAMARINDA	11990.000	22	10	2351	2353	44.7	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									TAIWAN	
KOR	CRMS	11990.000	25	10	0454	0454	48.2		CHN	BC		A3E									6	
HNG	TARNOK	11990.000	22	11	0900	1500	22.9	SOH SI WANG XI SHENG	CHN	BC	9K99	A3E										
HNG	TARNOK	11990.000	22	11	1100	1157	16.4	CRI	CHN	BC	9K99	A3E										
KOR	CRMS	11990.000	01	12	0123	0123	18.8		CHN	BC		A3E									6	
J	TOKYO	11990.000	27	12	0745					BC		D7W										
HNG	TARNOK	11990.001	22	11	0000	0257	14.8	CRI	CHN	BC	9K67	A3E										
HNG	TARNOK	11994.999	22	11	1300	1400	41.0	BBC	SNG	BC	8K88	A3E										
RUS	MOROZOVS	11995.000	26	10	0715	0730	8.0		F	BC	3K00	A3E	001	E	37	48	N	12	285	C		
HNG	TARNOK	12004.967	24	11	0630	1800	24.1	IBB/R: FARDA	D	BC	9K93	A3E									3	
RUS	SMOLENSK	12005.000	26	10	0730	0830	54.0		D	BC	2K99	A3E	008	E	31	49	N	52	260	B		
RUS	MOROZOVS	12005.000	26	10	0800	0815	24.0		D	BC	9K00	A3E	008	E	05	49	N	56	287	B		
RUS	S. PETERSBURG	12005.000	26	10	1500	1530	52.0		G	BC	10K2	A3E							261	C		
INS	MSCK-TANGERANG	12010.000	22	10	0100	0130		R. Philipins	PHL	BC	9K00E	A3E										
RUS	MOROZOVS	12015.000	26	10	0630	0645	16.0		G	BC	9K00	A3E	001	W	53	53	N	46	298	B		
HNG	TARNOK	12015.000	24	11	1100	1300	37.0	CRI	CHN	BC	9K97	A3E										
J	TOKYO	12025.000	28	10	1355			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	12030.000	24	10	2348				KRE				125	E	30	39	N	02	290	B		
J	TOKYO	12030.000	02	12	0134				CHN	BC		D7W	103	E	08	24	N	33	261	B		
INS	MSPA-SAMARINDA	12035.000	22	10	2353	2356	45.1	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
RUS	SMOLENSK	12035.000	26	10	0730	0830	27.0		IRN	BC	2K99	A3E	055	E	36	29	N	20	137	B		
KOR	CRMS	12035.000	29	12	0015	0015	44.6	CRI	CHN	BC		A3E									6	
HNG	TARNOK	12035.001	24	11	0400	0730	31.4	AGM	D	BC	9K96	A3E										
HNG	TARNOK	12035.023	24	11	1330	1426	49.8	TRT	TUR	BC	6K24	A3E									3	
KOR	CRMS	12040.000	21	10	1209	1209	43.9		USA	BC		A3E									6	
HNG	TARNOK	12044.999	24	11	0900	1100	23.1	CNR1	CHN	BC	9K97	A3E										
INS	MSCK-TANGERANG	12045.000	21	10	2330	2400		CNR 1 Voice of China	CHN	BC	9K00E	A3E									-	
INS	MSPA-SAMARINDA	12045.000	22	10	0628	0630	44.2	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	12045.000	26	10	0400	0430	17.0		CHN	BC		A3E	116	E	04	39	N	24	111	A		
RUS	SMOLENSK	12045.000	26	10	0730	0830	43.0		CHN	BC	2K99	A3E	115	E	18	27	N	53	78	B		
INS	MSPA-SAMARINDA	12050.000	21	10	2310	2314	43.7	WEWN 3	USA	BC	9K00E	A3E										
RUS	SAMARA	12050.000	25	10	0557	0605	13.0		G	BC	10K0	A3E	002	E	49	52	N	16	293			
RUS	BELGOROD	12050.000	25	10	0607	0610	64.6		G	BC	10K0	A3E	002	W	43	52	N	19				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	12050.000	26	10	0640	0644	58.3		G	BC	9K70	A3E	002	W	43	52	N	19				
RUS	MOROZOVSK	12050.000	26	10	0730	0745	11.0		G	BC	9K00	A3E	002	W	26	52	N	20	295	C		
HNG	TARNOK	12050.000	26	11	1100	1300	46.3	IBB/RFA	KWT	BC	9K78	A3E										
HNG	TARNOK	12050.001	24	11	1100	1300	45.3	IBB/RFA	KWT	BC	9K86	A3E										
INS	MSCK-TANGERANG	12055.000	21	10	0630	0700		CNR 17	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	12055.000	21	10	2314	2317	45.4	FEBC RADIO	PHL	BC	9K00E	A3E										
RUS	YAKUTSK	12055.000	25	10	0050	0120	73.0		CHN	BC	2K23	A3E	112	E	22	35	N	57	211	A		
RUS	NOVOSIBIRSK	12055.000	25	10	0130	0200	30.0		CHN	BC		A3E	110	E	04	35	N	06	126	A		
RUS	SMOLENSK	12055.000	25	10	0530	0630	37.0		CHN	BC	2K99	A3E	110	E	44	36	N	48	74	B		
RUS	SAMARA	12055.000	25	10	0545	0555	20.0		CHN	BC	10K0	A3E	111	E	55	36	N	52	89			
RUS	BELGOROD	12055.000	25	10	0700	0705	52.5		CHN	BC	9K30	A3E	111	E	59	36	N	52				
RUS	NYAGAN	12055.000	25	10	0920	0940	48.0		CHN		3K00	A3E	110	E	34	35	N	50	110	A		
RUS	ARKHANGELSK	12055.000	25	10	0945	1000	36.0	CNR	CHN	BC	2K98	A3E							89	B		
RUS	MOROZOVSK	12055.000	25	10	1400	1415	17.0		D	BC	3K00	A3E							289	B		
HNG	TARNOK	12055.002	26	11	0000	1157	29.7	CNR 17	CHN	BC	9K94	A3E										
HNG	TARNOK	12064.986	26	11	1810	1830	31.7	BBC	UAE	BC	9K67	A3E									3	
HNG	TARNOK	12064.999	26	11	1200	1300	22.3	BBC	OMA	BC	9K15	A3E										
RUS	ARKHANGELSK	12065.000	25	10	1000	1015	29.0	BBC	OMA	BC		A3E							154	B		
RUS	SMOLENSK	12065.000	25	10	1000	1100	37.0		SNG	BC	2K99	A3E	103	E	39	01	N	16	104	B		
RUS	NOVOSIBIRSK	12065.000	25	10	1230	1300	22.0	BBC	OMA	BC	9K70	A3E	058	E	48	21	N	38	219	A		
HNG	TARNOK	12065.000	26	11	0100	0200	39.9	IBB/RFA	KWT	BC	9K78	A3E										
KOR	CRMS	12065.000	01	12	0124	0124	21.4		CHN	BC		A3E									6	
HNG	TARNOK	12065.002	26	11	1300	1400	41.8	BBC	SNG	BC	9K51	A3E										
HNG	TARNOK	12069.966	26	11	0000	0100	29.9	FEBC	PHL	BC	9K91	A3E									3	
INS	MSCK-TANGERANG	12070.000	21	10	0600	0630		R.Azadi	THA	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	12070.000	21	10	2317	2321	45.9	FEBC RADIO LIANGYOU 1	PHL	BC	9K00E	A3E										
RUS	SLAVYANKA	12070.000	25	10	0010	0040	41.0		PHL	BC	11K9	A3E	121	E	24	17	N	18	201	A		
RUS	NOVOSIBIRSK	12070.000	25	10	0230	0300	12.0		THA	BC		A3E	103	E	03	17	N	35	150	A		
RUS	SMOLENSK	12070.000	25	10	0630	0730	37.0		STP	BC	2K99	A3E	006	E	41	00	N	10	210	B		
RUS	BELGOROD	12070.000	25	10	0705	0709	53.7		I	BC	9K80	A3E	012	E	19	42	N	02				
KOR	CRMS	12070.000	27	10	0037	0037	46.4		PHL	BC		A3E									6	
KOR	CRMS	12070.000	27	10	2056	2056	9.6		KWT	BC		A3E									6	
KOR	CRMS	12070.000	22	12	0025	0025	42.0		CHN	BC		A3E									6	
HNG	TARNOK	12070.001	26	11	0430	0530	27.5	RADIO AZADI	KWT	BC	9K91	A3E										
HNG	TARNOK	12074.998	26	11	1315	1415	48.9	TWR	ARM	BC	9K26	A3E										
INS	MSCK-TANGERANG	12080.000	21	10	0600	0630		CNR 2-China Business Radio	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	12080.000	21	10	0720	0723	43.7	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
RUS	NOVOSIBIRSK	12080.000	25	10	0200	0230	16.0		CHN	BC		A3E	107	E	05	34	N	04	131	A		
RUS	SLAVYANKA	12080.000	25	10	0310	0340	42.0		CHN	BC	4K70	A3E	105	E	54	32	N	13	251	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SMOLENSK	12080.000	25	10	0530	0630	27.0		CHN	BC	2K99	A3E	106	E	25	33	N	25	81	B		
RUS	BELGOROD	12080.000	25	10	0610	0614	52.2		CHN	BC	9K60	A3E	107	E	41	34	N	27				
RUS	NYAGAN	12080.000	25	10	0920	0945	40.0		CHN		3K25	A3E	107	E	56	33	N	06	117	A		
HNG	TARNOK	12080.000	26	11	1100	1200	48.8	IBB/VOA	PHL	BC	9K45	A3E										
KOR	CRMS	12080.000	23	12	0440	0440	32.6		PHL	BC		A3E									3	
HNG	TARNOK	12080.001	26	11	0200	1000	14.5	CNR 2	CHN	BC	9K99	A3E										
RUS	ARKHANGELSK	12084.870	25	10	1015	1030	42.0	Voice of Mongolia	MNG	BC	2K87	A3E							83	B		
HNG	TARNOK	12084.875	26	11	0900	1100	22.7	MRT	MNG	BC	9K12	A3E									3	
RUS	NYAGAN	12084.880	25	10	0923	0950	43.0		CHN		2K55	A3E	114	E	52	41	N	48	103	A		
KOR	CRMS	12085.000	19	10	1511	1511	30.5		UAE	BC		A3E									6	
INS	MSPA-SAMARINDA	12085.000	21	10	2321	2325	46.3	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	12085.000	23	10	0945	0945	47.0		MNG	BC		A3E									6	
RUS	NOVOSIBIRSK	12085.000	25	10	1000	1030	36.0		MNG	BC		A3E	107	E	19	47	N	05	107	A		
RUS	SMOLENSK	12085.000	25	10	1000	1100	29.0		MNG	BC	2K99	A3E	106	E	49	47	N	50	66	B		
KOR	CRMS	12085.000	08	12	1506	1506	8.9	AGM	UAE	BC		A3E									11	
J	TOKYO	12092.000	27	12	0747				CHN			A1A	105	E	27	52	N	33	315	B		
KOR	CRMS	12095.000	11	10	2142	2142	20.6		NZL	BC		A3E									6	
KOR	CRMS	12095.000	24	10	1210	1210	37.9		PHL	BC		A3E									6	
RUS	NOVOSIBIRSK	12095.000	25	10	0300	0330	25.0	BBC	OMA	BC	9K60	A3E	059	E	16	22	N	12	218	A		
RUS	SMOLENSK	12095.000	25	10	0530	0630	21.0		AFS	BC	2K99	A3E	027	E	39	25	S	22	184	B		
RUS	BELGOROD	12095.000	25	10	0614	0622	43.8		OMA	BC	8K20	A3E	059	E	27	21	N	58				
RUS	ARKHANGELSK	12095.000	25	10	1030	1045	36.0		PHL	BC	1K49	A3E							93	B		
RUS	SAMARA	12095.000	25	10	1150	1205	14.0		PHL	BC	10K0	A3E	120	E	54	14	N	48	98			
HNG	TARNOK	12095.000	26	11	0400	0500	22.9	BBC	OMA	BC	9K85	A3E										
HNG	TARNOK	12095.001	26	11	0100	0200	26.3	BBC	SNG	BC	9K71	A3E										
HNG	TARNOK	12095.001	26	11	1100	1400	41.7	FEBC	PHL	BC	9K22	A3E										
RUS	BELGOROD	12100.000	25	10	0710	0718	43.5		BUL	BC	9K30	A3E	023	E	11	42	N	48				
KOR	CRMS	12105.000	11	10	1212	1212	28.6		UZB	BC		A3E									11	
RUS	NOVOSIBIRSK	12105.000	25	10	1200	1230	27.0		UZB	BC		A3E	069	E	11	41	N	16	220	A		
INS	MSPA-SAMARINDA	12110.000	21	10	2325	2329	44.2	VOICE OF AMERICA	PHL	BC	9K00E	A3E										
J	TOKYO	12110.000	24	10	2350			V.O. AMERICA		BC		A3E	120	E	40	15	N	34	226	B	11	
RUS	SMOLENSK	12110.000	25	10	0530	0630	29.0		KWT	BC	2K99	A3E	047	E	50	29	N	03	150	B	11	
J	TOKYO	12110.000	25	11	0416			R. MASHAAL		BC		A3E							296	A	11	
J	TOKYO	12110.000	21	12	1002			R. MASHAAL		BC		A3E									11	
HNG	TARNOK	12119.974	28	11	1200	1400	48.1	FEBC	PHL	BC	6K89	A3E									3	
KOR	CRMS	12120.000	21	10	1210	1210	35.4		PHL	BC		A3E									11	
RUS	SMOLENSK	12120.000	25	10	1000	1100	47.0		USA	BC	2K99	A3E	144	E	50	13	N	12	64	B	11	
RUS	BELGOROD	12120.000	25	10	1218	1225	57.7		PHL	BC	9K30	A3E	121	E	00	14	N	47			11	
RUS	MOROZOVSK	12120.000	25	10	1345	1400	16.0		PHL	BC	3K00	A3E							90	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HNG	TARNOK	12120.000	28	11	0000	1159	14.3				1K00	F1B										850HZ
G	BALDOCK	12120.000	01	12	1220			FEBC RADIO	PHL	BC		A3E							57	B		BOCAUE TX SITE
G	BALDOCK	12120.000	03	12	1438			VOICE OF AMERICA	PHL	BC		A3E							61	B		TINANG TX SITE
J	TOKYO	12130.000	12	10	0416					BC		A3E							117	C		
RUS	BELGOROD	12130.000	25	10	0622	0627	35.8		KWT	BC	10K5	A3E	047	E	41	29	N	31			11	
HNG	TARNOK	12139.998	28	11	1130	1430	33.6	RADIO AZADI	KWT	BC	6K84	A3E										
KOR	CRMS	12140.000	23	10	0047	0047	43.7		USA	BC		A3E									11	
RUS	SMOLENSK	12140.000	25	10	0630	0730	27.0		KWT	BC	2K99	A3E	047	E	40	29	N	30	150	B	11	
J	TOKYO	12140.000	09	11	0749			R. AZADI		BC		A3E							295	B	11	
J	TOKYO	12140.000	25	11	0417			R. AZADI		BC		A3E							296	A	11	
G	BALDOCK	12140.000	01	12	1321			RADIO AZADI (RADIO FREE AFGHANISTAN)	KWT	BC		A3E	047	E	40	29	N	30	103	A		KUWAIT TX SITE
G	BALDOCK	12140.000	03	12	1441			VOA RADIO ASHNA	KWT	BC		A3E							108	B		KUWAIT TX
J	TOKYO	12140.000	21	12	1003			R. AZADI		BC		A3E									11	
J	TOKYO	12140.000	27	12	0750					BC		A3E							296	C		
HNG	TARNOK	12144.600	28	11	0800	1200	41.2				2K00E	G1D										
J	TOKYO	12146.400	25	11	0419														152	A		
G	BALDOCK	12146.400	01	12	1332			(FUB)	F	FX		G1D	002	E	19	48	N	56	152	A		2400 BD STANAG 4285
INS	MSCK-TANGERANG	12150.000	21	10	0400	0430		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-
INS	MSPA-SAMARINDA	12150.000	21	10	0723	0727	42.7	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	12150.000	04	11	0445	0445	7.4		CHN	BC		A3E									11	
J	TOKYO	12150.040	27	12	0751				KOR	BC		A3E	126	E	36	33	N	16	262	B		
J	TOKYO	12150.050	05	10	0601			SOUND OF HOPE		BC		A3E	126	E	26	33	N	19	263	A	11	KOR
J	TOKYO	12150.050	24	10	2354			SOUND OF HOPE		BC		A3E	126	E	36	33	N	23	263	B	11	KOR
J	TOKYO	12150.070	09	11	0753			SOUND OF HOPE		BC		A3E									11	
HNG	TARNOK	12152.000	30	11	0705	0830	27.8				100H	A1A										CW
INS	MSCK-TANGERANG	12160.000	21	10	0330	0400		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-
HNG	TARNOK	12160.000	30	11	1900	2058	18.9	WWCR	USA	BC	9K80	A3E										
HNG	TARNOK	12161.000	30	11	0600	0900	9.4				500H	F1B										340HZ
HNG	TARNOK	12171.600	30	11	1310	1330	17.3				2K70	J3E										USB
HNG	TARNOK	12176.749	30	11	0630	0730	38.6			BC	6K30	A3E									3	
RUS	SMOLENSK	12177.770	25	10	0630	0730	22.0		D	FX	2K99	J7D	008	E	20	53	N	22	273	B		
J	TOKYO	12184.000	05	10	0606				RUS			F1B	132	E	36	42	N	49	322	B		
J	TOKYO	12184.000	09	11	0756							F1B							322	A		
HNG	TARNOK	12184.000	30	11	0600	0900	34.8				750H	F1B										500HZ
J	TOKYO	12184.000	27	12	0752							F1B							322	C		
J	TOKYO	12189.910	16	11	0606			SOUND OF HOPE		BC		A3E	121	E	02	23	N	57	240	B	11	TAIWAN
J	TOKYO	12189.920	19	10	0135			SOUND OF HOPE		BC		A3E	120	E	58	24	N	45	242	B	11	TAIWAN
J	TOKYO	12189.920	04	11	1003			SOUND OF HOPE		BC		A3E	121	E	05	23	N	37	240	A	11	TAIWAN
J	TOKYO	12189.920	25	11	0422			SOUND OF HOPE		BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	12189.940	21	12	1004			SOUND OF HOPE		BC		A3E	121	E	24	24	N	47	241	A	11	TAIWAN
J	TOKYO	12189.950	27	12	0753			SOUND OF HOPE		BC		A3E	121	E	18	25	N	03	242	B	11	TAIWAN
J	TOKYO	12189.990	24	10	2359			SOUND OF HOPE		BC		A3E	121	E	22	25	N	20	242	B	11	TAIWAN
KOR	CRMS	12190.000	21	10	0412	0412	16.2		CHN	BC		A3E									11	
RUS	SMOLENSK	12190.000	25	10	0800	0900	44.0		CHN	BC	2K99	A3E	086	E	07	44	N	07	84	B	11	
KOR	CRMS	12190.000	22	11	0444	0444	21.7		CHN	BC		A3E									11	
KOR	CRMS	12190.000	21	12	0620	0620	9.7		CHN	BC		A3E									6	
KOR	CRMS	12190.000	29	12	0016	0016	19.7		CHN	BC		A3E									11	
J	TOKYO	12209.900	12	10	0420			SOUND OF HOPE		BC		A3E	120	E	21	23	N	28	240	B	11	TAIWAN
J	TOKYO	12209.910	05	10	0609			SOUND OF HOPE		BC		A3E	121	E	37	24	N	51	241	A	11	TAIWAN
J	TOKYO	12209.920	04	11	1006			SOUND OF HOPE		BC		A3E	121	E	05	24	N	35	242	B	11	TAIWAN
J	TOKYO	12209.920	08	12	2348			SOUND OF HOPE		BC		A3E							242	B	11	
J	TOKYO	12209.930	16	11	0609			SOUND OF HOPE		BC		A3E	121	E	02	23	N	48	240	B	11	TAIWAN
J	TOKYO	12209.950	19	10	0136			SOUND OF HOPE		BC		A3E	121	E	25	25	N	03	242	B	11	TAIWAN
J	TOKYO	12209.960	25	10	0011			SOUND OF HOPE		BC		A3E	121	E	22	25	N	20	242	B	11	TAIWAN
J	TOKYO	12209.960	25	11	0423			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12209.970	09	11	0758			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12209.990	02	12	0136			SOUND OF HOPE		BC		A3E	121	E	21	24	N	20	241	B	11	TAIWAN
J	TOKYO	12209.990	21	12	1011			SOUND OF HOPE		BC		A3E							242	A	11	
KOR	CRMS	12210.000	21	10	0413	0413	21.1		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	12210.000	21	10	0733	0735	44.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
INS	MSPA-SAMARINDA	12210.000	21	10	2323	2328	45.2	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	12210.000	26	10	0738	0738	34.5		CHN	BC		A3E									6	
KOR	CRMS	12210.000	22	11	0444	0444	31.2		CHN	BC		A3E									11	
KOR	CRMS	12210.000	21	12	0620	0620	16.5		CHN	BC		A3E									11	
J	TOKYO	12210.000	27	12	0810				CHN	BC		A3E	121	E	18	25	N	00	242	B		TAIWAN
KOR	CRMS	12210.000	30	12	0309	0309	35.4		CHN	BC		A3E									6	
J	TOKYO	12218.990	27	12	0811				RUS			F1B	113	E	27	51	N	31	318	B		
J	TOKYO	12229.960	05	10	0613			SOUND OF HOPE		BC		A3E	121	E	05	24	N	44	242	A	11	TAIWAN
J	TOKYO	12229.970	12	10	0421			SOUND OF HOPE		BC		A3E	120	E	38	23	N	46	240	B	11	TAIWAN
J	TOKYO	12229.970	25	10	0013			SOUND OF HOPE		BC		A3E	121	E	17	25	N	04	242	B	11	TAIWAN
J	TOKYO	12229.970	04	11	1007			SOUND OF HOPE		BC		A3E	120	E	31	23	N	59	241	A	11	TAIWAN
J	TOKYO	12229.980	27	12	0813				CHN	BC		A3E	121	E	23	24	N	58	242	B		TAIWAN
KOR	CRMS	12230.000	06	10	0918	0918	19.6		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	12230.000	21	10	2328	2334	44.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TAIWAN
KOR	CRMS	12230.000	26	10	0738	0738	36.6		CHN	BC		A3E									6	
J	TOKYO	12230.000	09	11	0803			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	12230.000	22	11	0445	0445	14.8		CHN	BC		A3E									11	
KOR	CRMS	12230.000	22	12	0026	0026	17.0		CHN	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	12235.000	09	11	0806			P5O				A1A							229	B		
J	TOKYO	12235.000	08	12	2350			P5O				A1A	107	E	44	06	S	46	225	B		
J	TOKYO	12235.000	27	12	0813							A1A							225	C		
G	BALDOCK	12281.800	19	12	1350			?	D	FX		G1D							70	A		
RUS	BELGOROD	12282.000	22	10	0535	0540	26.1		D		3K00		012	E	48	54	N	11				
HNG	TARNOK	12282.027	04	12	0915	1520	35.5				2K98	G1D										STANAG 4285
J	TOKYO	12295.000	25	11	0427				CHN				112	E	52	32	N	10	268	A		
INS	MSPA-SAMARINDA	12300.000	20	10	0030	0034	44.9		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	12314.000	20	10	0034	0039	44.2		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	12324.000	20	10	0039	0042	42.5		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
RUS	BELGOROD	12325.000	22	10	0540	0543	15.2		CYP		3K10		032	E	55	34	N	49				
G	BALDOCK	12325.000	05	12	1418			?	CYP	FX		G1D							113	A		2400BD STANAG 4285
G	BALDOCK	12362.000	01	12	1343			VMW (WILUNA WEATHER BULLETIN)	AUS	FC		J3E							73	C		WILUNA WX BCST
J	TOKYO	12364.880	12	10	0426			SOUND OF HOPE		BC		A3E	121	E	05	23	N	57	240	B	11	TAIWAN
J	TOKYO	12364.890	09	11	0811			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12364.900	25	11	0426			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12364.910	09	12	0000			SOUND OF HOPE		BC		A3E	121	E	02	23	N	03	238	B	11	TAIWAN
J	TOKYO	12364.920	27	12	0817				CHN	BC		A3E	121	E	24	24	N	59	242	B		TAIWAN
J	TOKYO	12364.930	02	12	0137			SOUND OF HOPE		BC		A3E	121	E	25	24	N	43	241	B	11	TAIWAN
G	BALDOCK	12365.000	19	12				VMC	AUS	FX		J3E							43	B		EASTERN AUSTRALIA WX
J	TOKYO	12375.500	12	10	0432				CHN			F3C	111	E	58	22	N	36	250	B		
J	TOKYO	12375.500	25	11	0431				CHN			F3C	112	E	43	23	N	05	250	A		
J	TOKYO	12375.500	09	12	0005			XSG		FC		F3C	113	E	31	22	N	45	248	A		
G	BALDOCK	12378.000	03	12	1443			?		FX		G1D							66	B		
J	TOKYO	12382.000	05	10	0617			XSG		FC		F3C	121	E	22	31	N	30	261	B		
J	TOKYO	12382.000	12	10	0436			XSG		FC		F3C	120	E	45	31	N	12	260	B		
RUS	BELGOROD	12395.000	22	10	0543	0546	18.9		HOL		2K90		004	E	40	52	N	19				
INS	MSCK-TANGERANG	12401.230	20	10	0130	0200		Unknown		FX	3K00E	H3E										-
J	TOKYO	12405.000	25	10	0027				PHL			J3E	123	E	28	13	N	42	219	B		
J	TOKYO	12412.500	12	10	0443			NOJ				F3C	157	E	25	57	N	41	41	B		
J	TOKYO	12412.500	25	11	0437							F3C							40	A		
INS	MSPA-SAMARINDA	12430.000	20	10	0042	0049	45.4		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
HNG	TARNOK	12440.000	10	12	0645	0700	16.7				10K0	G7D										OTHR
INS	MSPA-SAMARINDA	12445.000	20	10	0049	0053	43.8		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
INS	MSCK-TANGERANG	12445.250	19	10	2330	2400		Unknown		FX	3K00E	J3E										-
G	BALDOCK	12464.000	01	12	1353			RGX	RUS	FX		A1A							89	B		RIM DE RGX 82 K
HNG	TARNOK	12464.000	12	12	0950	1010	17.0				10K1	G7D										OTHR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	12474.000	31	12	1301			RUSSIAN PULSE	RUS	LR		P0N							70	A		
J	TOKYO	12499.920	21	12	1018			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12499.930	27	12	0819				CHN	BC		A3E	121	E	30	24	N	43	241	B		TAIWAN
J	TOKYO	12499.940	02	12	0138			SOUND OF HOPE		BC		A3E	121	E	14	24	N	17	241	B	11	TAIWAN
J	TOKYO	12499.940	09	12	0014			SOUND OF HOPE		BC		A3E	120	E	45	22	N	31	237	B	11	TAIWAN
KOR	CRMS	12500.000	06	10	0014	0014	25.2		CHN	BC		A3E									11	
J	TOKYO	12500.000	12	10	0447				CHN	BC		A3E	109	E	07	18	N	51	247	B		
INS	MSPA-SAMARINDA	12500.000	19	10	0135	0139	44.6	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	12500.000	19	10	0140			CHINA N.R.		BC		A3E	119	E	20	26	N	45	250	B	11	
RUS	NYAGAN	12500.000	21	10	0405	0420	22.0		CHN		3K25	A3E	112	E	03	34	N	43	111	A	11	
RUS	S. PETERSBURG	12500.000	21	10	0410	0430	25.0		CHN	BC		A3E	119	E	41	27	N	09	76	B	11	
RUS	SAMARA	12500.000	21	10	0440	0520	20.0		CHN	BC	10K0	A3E	117	E	20	24	N	22	92		11	
RUS	SMOLENSK	12500.000	21	10	0700	0800	36.0		CHN	BC	2K99	A3E	114	E	59	27	N	10	79	B	11	
RUS	MOROZOVSK	12500.000	21	10	0730	0800	13.0		CHN	BC	3K00	A3E	113	E	02	38	N	05	74	C	11	
RUS	BELGOROD	12500.000	21	10	0800	0810	24.6		CHN	BC	7K20	A3E	127	E	01	45	N	45			11	
RUS	ARKHANGELSK	12500.000	21	10	1220	1240	20.0		CHN	BC		A3E							95	B		
J	TOKYO	12500.000	25	10	0029				CHN				108	E	47	34	N	22	276	B		
KOR	CRMS	12500.000	01	11	0421	0421	5.3		CHN	BC		A3E									11	
KOR	CRMS	12500.000	04	11	0446	0446	11.1		PHL	BC		A3E									11	
J	TOKYO	12500.000	04	11	1014			SOUND OF HOPE		BC		A3E	121	E	03	23	N	50	240	A	11	TAIWAN
J	TOKYO	12500.000	09	11	0817			CHINA N.R.		BC		A3E	108	E	54	19	N	04	247	A	11	
J	TOKYO	12500.000	25	11	0441			CHINA N.R.		BC		A3E	108	E	47	18	N	59	248	A	11	
KOR	CRMS	12500.000	07	12	0415	0415	18.2		CHN	BC		A3E									6	
HNG	TARNOK	12503.000	14	12	0700	2400	17.1				800HE	FXX										FT8
J	TOKYO	12510.000	09	11	0818				KRE				126	E	13	39	N	55	295	A		
J	TOKYO	12525.000	25	10	0038				PHL			J3E	123	E	34	13	N	18	218	B		
J	TOKYO	12549.580	16	11	0622			SOUND OF HOPE		BC		A3E	121	E	22	23	N	59	240	B	11	TAIWAN
J	TOKYO	12549.590	05	10	0624			SOUND OF HOPE		BC		A3E	121	E	12	23	N	32	239	A	11	TAIWAN
J	TOKYO	12549.610	19	10	0141			SOUND OF HOPE		BC		A3E	121	E	26	24	N	01	240	B	11	TAIWAN
J	TOKYO	12549.610	25	11	0445			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12549.620	25	10	0040			SOUND OF HOPE		BC		A3E	120	E	28	22	N	54	238	B	11	TAIWAN
J	TOKYO	12549.620	04	11	1016			SOUND OF HOPE		BC		A3E	120	E	55	23	N	35	240	A	11	TAIWAN
J	TOKYO	12549.620	09	11	0819			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12549.620	21	12	1022			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12549.630	12	10	0454			SOUND OF HOPE		BC		A3E	120	E	44	23	N	03	239	B	11	TAIWAN
J	TOKYO	12549.630	02	12	0139			SOUND OF HOPE		BC		A3E	120	E	54	22	N	53	238	B	11	TAIWAN
J	TOKYO	12549.640	27	12	0819				CHN	BC		A3E	121	E	16	23	N	24	239	B		TAIWAN
INS	MSPA-SAMARINDA	12550.000	19	10	0139	0143	43.1	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
KOR	CRMS	12550.000	26	10	0739	0739	38.9		CHN	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	12550.000	28	10	0505	0505	30.5		CHN	BC		A3E									11	
KOR	CRMS	12550.000	22	12	0026	0026	25.0		CHN	BC		A3E									6	
RUS	BELGOROD	12570.000	21	10	0739	0749	31.2		HOL		2K90		004	E	40	52	N	19				
INS	MSPA-SAMARINDA	12571.000	19	10	0143	0148	44.8		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
J	TOKYO	12578.990	09	11	0825							F1B							321	B		
J	TOKYO	12578.990	27	12	0821							F1B							323	B		
J	TOKYO	12579.000	25	11	0446							F1B							115	C		
J	TOKYO	12579.000	02	12	0140				USA			F1B	157	W	58	21	N	25	87	B		
HNG	TARNOK	12579.000	16	12	0700	1130	31.8				304HE	F1B										170HZ 100BD
J	TOKYO	12579.000	21	12	1024							F1B							110	C		
J	TOKYO	12592.000	09	11	0828							F1B							302	A		
J	TOKYO	12596.000	12	10	0456				RUS			F1B	131	E	57	43	N	14	322	A		
J	TOKYO	12596.000	19	10	0142				RUS			F1B	132	E	21	42	N	53	322	B		
J	TOKYO	12596.000	25	10	0043				RUS			F1B	132	E	31	42	N	58	322	A		
J	TOKYO	12596.000	25	11	0451							F1B							320	B		
RUS	SMOLENSK	12603.500	21	10	0530	0630	21.0		GRC	FC	398H	F1B	021	E	38	38	N	10	207	B		
G	BALDOCK	12603.535	01	12	1400			SVO (OLYMPIA RADIO)	GRC	FX		F1B							124	A		GREEK PRESS BCST
G	BALDOCK	12610.000	19	12	1400			?	RUS	FX		F1B	030	E	49	68	N	06	31	A		MURMANSK NAVAL
J	TOKYO	12613.000	05	10	0628			XSQ		FC		F1B										
J	TOKYO	12613.000	12	10	0458			XSQ		FC		F1B										
J	TOKYO	12613.000	19	10	0147			XSQ		FC		F1B										
J	TOKYO	12613.000	25	10	0049			XSQ		FC		F1B										
J	TOKYO	12613.000	04	11	1023			XSQ		FC		F1B										
J	TOKYO	12613.000	09	11	0832			XSQ		FC		F1B										
J	TOKYO	12613.000	16	11	0633			XSQ		FC		F1B										
J	TOKYO	12613.000	25	11	0452			XSQ		FC		F1B										
J	TOKYO	12613.000	02	12	0146			XSQ		FC		F1B										
J	TOKYO	12613.000	21	12	1029			XSQ		FC		F1B										
J	TOKYO	12613.000	27	12	0826			XSQ		FC		F1B										
J	TOKYO	12622.500	19	10	0150			XSQ		FC		F1B										
J	TOKYO	12622.500	09	11	0832			XSQ		FC		F1B										
J	TOKYO	12622.500	25	11	0455			XSQ		FC		F1B										
RUS	SMOLENSK	12623.900	21	10	0530	0630	21.0		TUR	FC	160H	F1B	028	E	49	41	N	02	190	B		
G	BALDOCK	12631.000	03	12	1432			?	RUS	FC		F1B							70	A		KALININGRAD
J	TOKYO	12637.500	05	10	0629			XSG		FC		F1B										
J	TOKYO	12637.500	12	10	0500			XSG		FC		F1B										
J	TOKYO	12637.500	19	10	0151			XSG		FC		F1B										
J	TOKYO	12637.500	25	10	0054			XSG		FC		F1B										
J	TOKYO	12637.500	04	11	1025			XSG		FC		F1B										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	12637.500	09	11	0834			XSG		FC		F1B										
J	TOKYO	12637.500	16	11	0634			XSG		FC		F1B										
J	TOKYO	12637.500	25	11	0457			XSG		FC		F1B										
J	TOKYO	12637.500	02	12	0148			XSG		FC		F1B										
J	TOKYO	12637.500	09	12	0018			XSG		FC		F1B	121	E	39	31	N	12	260	A		
J	TOKYO	12637.500	27	12	0828			XSG		FC		F1B										
J	TOKYO	12637.510	21	12	1031							F1B										
INS	MSPA-SAMARINDA	12638.000	19	10	0148	0153	44.3		INS	MS	2K70E	J3E										FISHERMAN-JAVANESE LANGUAGE
J	TOKYO	12648.500	05	10	0633			XSQ		FC		F1B										
J	TOKYO	12648.500	12	10	0501			XSQ		FC		F1B										
J	TOKYO	12648.500	19	10	0152			XSQ		FC		F1B										
J	TOKYO	12648.500	04	11	1029			XSQ		FC		F1B										
J	TOKYO	12648.500	09	11	0838			XSQ		FC		F1B										
J	TOKYO	12648.500	16	11	0635			XSQ		FC		F1B										
J	TOKYO	12648.500	25	11	0458			XSQ		FC		F1B										
J	TOKYO	12648.500	02	12	0150			XSQ		FC		F1B										
J	TOKYO	12648.500	21	12	1032			XSQ		FC		F1B										
G	BALDOCK	12653.920	01	12	1359			TAH (ISTANBUL)	TUR	FC		F1B							107			
J	TOKYO	12654.000	12	10	0503							F1B										
RUS	BELGOROD	12654.000	20	10	0552	0556	34.1	TAH	TUR		330H	F1B	028	E	56	41	N	05				
J	TOKYO	12654.000	16	11	0637			TAH		FC		F1B										
G	BALDOCK	12654.005	03	12	1454			TAH (ISTANBUL)	TUR	FX		F1B							106	A		
INS	MSCK-TANGERANG	12661.450	18	10	0600	0700		Unknown		FX	3K00E	J3E										-
J	TOKYO	12666.300	12	10	0506				F			J2B	151	E	19	16	S	55	116	A		OCE
J	TOKYO	12666.300	25	11	0502														116	A		
RUS	BELGOROD	12667.000	20	10	0556	0603	27.9		NOR		2K80		010	E	37	59	N	55				
RUS	SMOLENSK	12668.250	20	10	0600	0700	6.0		F	FC	2K99	J7D	003	E	26	43	N	28	250	B		
G	BALDOCK	12668.400	01	12	1402			?	F	FX		G1D							153	A		2400BD STANAG 4285
J	TOKYO	12701.000	27	12	0831							F1B								C		
G	BALDOCK	12702.800	03	12	1456			CTA	POR	FC		G1D	008	W	29	39	N	25	209	A		STANAG 4285
G	BALDOCK	12706.300	03	12	1500			CTA	POR	FC		G1D	007	W	48	40	N	42	208	A		2400 BD STANAG 4285
J	TOKYO	12723.990	25	11	0503							F1B							322	A		
J	TOKYO	12723.990	02	12	0152				RUS			F1B	132	E	03	43	N	13	322	B		
J	TOKYO	12725.800	12	10	0510				F			J2B	151	E	16	16	S	59	116	A		OCE
J	TOKYO	12725.800	25	11	0504														116	A		
RUS	BELGOROD	12731.800	20	10	0550	0552	28.5		F		2K80		004	E	35	44	N	52				
J	TOKYO	12737.000	27	12	0833							F1B								C		
G	BALDOCK	12750.000	19	12	1435			(NMF)	USA	FC		F1C							287	C		USGB BOSTON, MA
J	TOKYO	12768.300	09	11	0845								145	E	07	36	N	28	177	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	12785.990	19	10	0156							F3C							56	C		
J	TOKYO	12794.960	05	10	0635			SOUND OF HOPE		BC		A3E	120	E	55	23	N	41	240	A	11	TAIWAN
J	TOKYO	12794.970	12	10	0515			SOUND OF HOPE		BC		A3E	120	E	48	22	N	31	237	B	11	TAIWAN
J	TOKYO	12794.970	09	11	0846			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12794.970	16	11	0639			SOUND OF HOPE		BC		A3E	120	E	43	22	N	58	239	B	11	TAIWAN
J	TOKYO	12794.980	21	12	1037			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12794.990	25	11	0505			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12794.990	27	12	0835				CHN	BC		A3E	121	E	19	23	N	19	238	B		TAIWAN
INS	MSPA-SAMARINDA	12795.000	18	10	2315	2318	43.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	12795.000	02	12	0153			SOUND OF HOPE		BC		A3E	121	E	38	24	N	51	241	B	11	TAIWAN
J	TOKYO	12804.000	19	10	0208				RUS			F1B	131	E	46	45	N	42	323	B		
J	TOKYO	12804.000	25	10	0056				RUS			F1B	132	E	34	43	N	07	323	A		
J	TOKYO	12804.000	09	11	0849							F1B										
J	TOKYO	12804.000	16	11	0641				RUS			F1B	131	E	55	43	N	23	322	B		
J	TOKYO	12804.000	25	11	0506				RUS			F1B	132	E	06	43	N	16	323	A		
J	TOKYO	12804.000	02	12	0154				RUS			F1B	131	E	53	43	N	23	322	B		
RUS	YAKUTSK	12809.000	20	10	0245	0255	62.0		MNG		3K68		106	E	17	43	N	22	227	A		
J	TOKYO	12819.910	12	10	0518			SOUND OF HOPE		BC		A3E	120	E	29	23	N	19	240	B	11	TAIWAN
J	TOKYO	12819.960	02	12	0204			SOUND OF HOPE		BC		A3E	120	E	45	23	N	33	240	B	11	TAIWAN
J	TOKYO	12819.960	21	12	1040			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12819.990	09	12	0028			SOUND OF HOPE		BC		A3E	120	E	53	24	N	02	240	B	11	TAIWAN
J	TOKYO	12819.990	27	12	0835				CHN	BC		A3E	121	E	02	23	N	36	239	B		TAIWAN
KOR	CRMS	12820.000	04	10	0259	0259	5.2		CHN	BC		A3E									11	
J	TOKYO	12820.000	05	10	0638			CHINA N.R.		BC		A3E	117	E	32	26	N	16	251	B	11	
J	TOKYO	12820.000	12	10	0518				CHN	BC		A3E	108	E	57	19	N	10	247	B		
INS	MSPA-SAMARINDA	12820.000	18	10	2318	2322	44.2	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	12820.000	19	10	0210					BC		A3E	087	E	57	43	N	43	238	B		
RUS	SLAVYANKA	12820.000	20	10	0100	0200	60.0		CHN	BC	6K70	A3E	118	E	37	28	N	00	219	A	11	
RUS	NOVOSIBIRSK	12820.000	20	10	0230	0300	5.0		CHN	BC		A3E	087	E	23	43	N	42	164	A	11	
RUS	MOROZOVSK	12820.000	20	10	0300	0330	16.0		CHN	BC	3K00	A3E	129	E	35	46	N	35	56	B	11	
RUS	NOVOSIBIRSK	12820.000	20	10	0310	0400	8.0		CHN	BC	10K8	A3E	130	E	24	46	N	39	86	A	11	
RUS	NYAGAN	12820.000	20	10	0420	0430	26.0		CHN		3K05	A3E	114	E	38	33	N	54	109	C	11	
RUS	SAMARA	12820.000	20	10	0430	0630	20.0		CHN	BC	10K0	A3E	115	E	45	31	N	35	88		11	
RUS	BELGOROD	12820.000	20	10	0539	0545	29.0		CHN	BC	10K7	A3E	128	E	15	47	N	18			11	
RUS	ARKHANGELSK	12820.000	20	10	0550	0620	20.0		CHN	BC		A3E							66	B	11	
RUS	SMOLENSK	12820.000	20	10	1000	1100	12.0		CHN	BC	2K99	A3E	121	E	56	36	N	56	67	B	11	
J	TOKYO	12820.000	25	10	0104			CHINA N.R.		BC		A3E	129	E	35	47	N	00	327	A	11	
KOR	CRMS	12820.000	02	11	0804	0804	2.2		CHN	BC		A3E									11	
KOR	CRMS	12820.000	03	11	0049	0049	11.1		CHN	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	12820.000	04	11	1033			CHINA N.R.		BC		A3E	108	E	46	19	N	03	247	B	11	
J	TOKYO	12820.000	09	11	0850			CHINA N.R.		BC		A3E									11	
J	TOKYO	12820.000	16	11	0644			CHINA N.R.		BC		A3E	109	E	02	19	N	08	247	B	11	
J	TOKYO	12820.000	25	11	0507			CHINA N.R.		BC		A3E	108	E	47	18	N	59	246	A	11	
KOR	CRMS	12820.000	21	12	0623	0623	13.3		CHN	BC		A3E									11	
KOR	CRMS	12820.000	30	12	0310	0310	31.6		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	12820.520	18	10	0030	0100		Unknown		FX	3K00E	J3E										-
J	TOKYO	12835.010	12	10	0524			SOUND OF HOPE		BC		A3E	121	E	02	23	N	47	240	B	11	TAIWAN
J	TOKYO	12835.010	19	10	0211			SOUND OF HOPE		BC		A3E	120	E	33	22	N	43	238	B	11	TAIWAN
J	TOKYO	12835.010	25	10	0107				CHN	BC		A3E	121	E	32	24	N	44	241	B		
J	TOKYO	12835.020	16	11	0646			SOUND OF HOPE		BC		A3E	120	E	45	22	N	45	238	B	11	TAIWAN
J	TOKYO	12835.030	09	11	0851			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12835.030	25	11	0507			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12835.030	21	12	1041			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12835.050	02	12	0204			SOUND OF HOPE		BC		A3E	120	E	23	23	N	14	240	B	11	TAIWAN
J	TOKYO	12835.050	27	12	0836				CHN	BC		A3E	120	E	50	23	N	14	239	B		TAIWAN
G	BALDOCK	12840.475	03	12	1504			PBB	HOL	FB		F1B							32	A		
RUS	BELGOROD	12840.500	20	10	0545	0548	40.7		HOL		1K10	F1B	005	E	50	52	N	19				
INS	MSCK-TANGERANG	12841.800	17	10	2330	2400		Unknown		FX	3K00E	A1A										-
J	TOKYO	12843.000	05	10	0641			HLO		FC		A1A										
J	TOKYO	12843.000	12	10	0526			HLO		FC		A1A										
J	TOKYO	12843.000	19	10	0211			HLO		FC		A1A										
RUS	SLAVYANKA	12843.000	20	10	0704	0715	16.0		KRE		1K16		126	E	13	39	N	22	230	A		
J	TOKYO	12843.000	25	10	0109			HLO		FC		A1A										
J	TOKYO	12843.000	04	11	1036			HLO		FC		A1A										
J	TOKYO	12843.000	16	11	0650			HLO		FC		A1A										
J	TOKYO	12843.000	25	11	0508			HLO		FC		A1A										
J	TOKYO	12843.000	02	12	0205			HLO		FC		A1A										
J	TOKYO	12843.000	09	12	0034			HLO		FC		A1A										
G	BALDOCK	12858.800	05	12	1429			6WW	SEN	FC		G1D							206	A		
J	TOKYO	12863.000	16	11	0652			HLW2		FC		A1A										
J	TOKYO	12864.990	21	12	1042			SOUND OF HOPE		BC		A3E									11	
RUS	BELGOROD	12875.400	19	10	0552	0558	32.3		F		2K80		001	E	12	43	N	25				
G	BALDOCK	12875.400	05	12	1507			FUO	F	FX		G1D							169	A		2400BD STANAG 4285
J	TOKYO	12879.790	09	12	0035			SOUND OF HOPE		BC		A3E	120	E	31	23	N	50	241	A	11	TAIWAN
J	TOKYO	12879.800	09	11	0854			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12879.800	02	12	0206			SOUND OF HOPE		BC		A3E	120	E	41	24	N	15	241	B	11	TAIWAN
J	TOKYO	12879.800	27	12	0837				CHN	BC		A3E	120	E	22	23	N	12	240	B		TAIWAN
J	TOKYO	12879.980	21	12	1044			SOUND OF HOPE		BC		A3E	121	E	32	25	N	01	242	A	11	TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	12880.000	05	10	0641	0641	17.2		CHN	BC		A3E									11	
J	TOKYO	12880.000	05	10	0642			CHINA N.R.		BC		A3E	119	E	24	25	N	56	248	B	11	
J	TOKYO	12880.000	12	10	0527				CHN	BC		A3E	108	E	57	19	N	10	247	B		
J	TOKYO	12880.000	19	10	0211			CHINA N.R.		BC		A3E	125	E	28	46	N	21	318	B	11	
RUS	BELGOROD	12880.000	19	10	0558	0600	26.2		CHN	BC	10K0	A3E	114	E	34	24	N	47			11	
RUS	SAMARA	12880.000	19	10	0630	0900	20.0		CHN	BC	10K0	A3E	115	E	03	24	N	08	94		11	
RUS	NYAGAN	12880.000	19	10	0751	0808	27.0		CHN		6K68	A3E	117	E	05	23	N	54	112	C	11	
RUS	MOROZOVSK	12880.000	19	10	0930	0945	15.0		CHN	BC	3K00	A3E	109	E	41	30	N	04	84	C	11	
J	TOKYO	12880.000	25	10	0110			CHINA N.R.		BC		A3E	124	E	50	47	N	18	320	B	11	
KOR	CRMS	12880.000	04	11	0447	0447	11.1		CHN	BC		A3E									11	
J	TOKYO	12880.000	04	11	1037			CHINA N.R.		BC		A3E	087	E	30	44	N	00	298	B	11	
J	TOKYO	12880.000	09	11	0854			CHINA N.R.		BC		A3E									11	
J	TOKYO	12880.000	16	11	0653			CHINA N.R.		BC		A3E	116	E	28	39	N	37	289	A	11	
KOR	CRMS	12880.000	10	12	0013	0013	23.0		CHN	BC		A3E									6	
KOR	CRMS	12880.000	30	12	0310	0310	32.5		CHN	BC		A3E									6	
J	TOKYO	12880.010	25	11	0509			CHINA N.R.		BC		A3E	108	E	49	19	N	01	246	A	11	
RUS	BELGOROD	12885.400	19	10	0600	0604	31.6		F		2K90		006	E	04	43	N	10				
G	BALDOCK	12885.400	05	12	1446				F	FX		G2D							152	A		2400BD STANAG 4285
J	TOKYO	12916.500	05	10	0645			HLF		FC		A1A										
RUS	BELGOROD	12916.500	19	10	0604	0628	33.2	HLF	KOR	FC	30H0	A1A	126	E	44	37	N	29				
J	TOKYO	12916.500	04	11	1040			HLF		FC		A1A										
J	TOKYO	12916.500	16	11	0659			HLF		FC		A1A										
J	TOKYO	12916.500	09	12	0038			HLF		FC		A1A										
J	TOKYO	12916.500	27	12	0837			HLF		FC		A1A										
J	TOKYO	12916.510	12	10	0529			HLF		FC		A1A										
J	TOKYO	12916.510	19	10	0212			HLF		FC		A1A										
J	TOKYO	12916.510	25	10	0113			HLF		FC		A1A										
J	TOKYO	12916.510	25	11	0510			HLF		FC		A1A										
J	TOKYO	12916.510	02	12	0207			HLF		FC		A1A										
J	TOKYO	12923.000	25	11	0511			HLW2		FC		A1A										
J	TOKYO	12923.000	02	12	0208			HLW2		FC		A1A										
J	TOKYO	12923.000	09	12	0039			HLW2		FC		A1A										
J	TOKYO	12923.020	05	10	0646			HLW2		FC		A1A										
J	TOKYO	12923.020	12	10	0530			HLW2		FC		A1A										
J	TOKYO	12923.020	25	10	0114			HLW2		FC		A1A										
J	TOKYO	12923.020	04	11	1041			HLW2		FC		A1A										
J	TOKYO	12923.020	16	11	0659			HLW2		FC		A1A										
RUS	SMOLENSK	12925.600	19	10	0600	0700	4.0		J	FC	2K99	J7D	138	E	45	35	N	10	56	B		
RUS	BELGOROD	12932.400	19	10	0631	0640	30.7		E		2K70		003	W	11	40	N	28				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	12932.500	03	12	1511			EBA (MADRID)	E	FX		G1D							191	A		2400BD STANAG 4285
J	TOKYO	12935.000	05	10	0647			HLG		FC		A1A										
J	TOKYO	12935.000	12	10	0530			HLG		FC		A1A										
J	TOKYO	12935.000	19	10	0213			HLG		FC		A1A										
RUS	BELGOROD	12935.000	19	10	0629	0631	35.4	HLG	KOR	FC	100H	A1A	126	E	44	37	N	29				
J	TOKYO	12935.000	25	10	0117			HLG		FC		A1A										
J	TOKYO	12935.000	04	11	1042			HLG		FC		A1A										
J	TOKYO	12935.000	16	11	0659			HLG		FC		A1A										
J	TOKYO	12935.000	25	11	0511			HLG		FC		A1A										
J	TOKYO	12935.000	02	12	0208			HLG		FC		A1A										
J	TOKYO	12935.000	09	12	0040			HLG		FC		A1A										
J	TOKYO	12939.300	12	10	0532				AUS			J2B	113	E	49	24	S	21	206	A		
J	TOKYO	12943.700	12	10	0534				F			J2B	164	E	14	20	S	28	154	A		NCL
RUS	BELGOROD	12960.000	19	10	0755	0759	24.4		HOL		2K70		003	E	50	51	N	31				
RUS	SMOLENSK	12980.100	19	10	1000	1100	6.0		CHN	BC	2K99	A3E	118	E	44	24	N	57	77	B	11	
J	TOKYO	12996.600	25	11	0513				RUS				136	E	56	50	N	24	352	A		
J	TOKYO	13019.710	16	11	0700			SOUND OF HOPE		BC		A3E	120	E	50	23	N	41	240	B	11	TAIWAN
J	TOKYO	13019.760	09	11	0904			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13019.770	21	12	1048			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	13020.000	06	10	0015	0015	0.6		CHN	BC		A3E									11	
J	TOKYO	13020.000	12	10	0537				CHN	BC		A3E	085	E	09	42	N	51	297	B		
J	TOKYO	13020.000	19	10	0214			CHINA N.R.		BC		A3E	116	E	54	25	N	16	250	B	11	
RUS	S. PETERSBURG	13020.000	19	10	0510	0530	36.0		CHN	BC	10K4	A3E	114	E	55	25	N	38	81	B	11	
RUS	BELGOROD	13020.000	19	10	0545	0552	32.0		CHN	BC	12K3	A3E	115	E	24	26	N	29			11	
RUS	SLAVYANKA	13020.000	19	10	0600	0700	42.0		CHN	BC	508H	A3E	111	E	59	33	N	01	244	A	11	
RUS	SAMARA	13020.000	19	10	0630	0900	20.0		CHN	BC	10K0	A3E	109	E	19	19	N	07	103		11	
RUS	MOROZOVSK	13020.000	19	10	0700	0715	13.0		CHN	BC	3K00	A3E	110	E	55	34	N	15	79	C	11	
RUS	SMOLENSK	13020.000	19	10	0900	1000	10.0		CHN	BC	2K99	A3E	075	E	43	39	N	17	100	B	11	
J	TOKYO	13020.000	25	10	0118			CHINA N.R.		BC		A3E									11	
KOR	CRMS	13020.000	26	10	0739	0739	45.1		CHN	BC		A3E									6	
KOR	CRMS	13020.000	02	11	0804	0804	5.6		CHN	BC		A3E									11	
KOR	CRMS	13020.000	03	11	0050	0050	25.1		CHN	BC		A3E									11	
J	TOKYO	13020.000	04	11	1043			CHINA N.R.		BC		A3E	109	E	05	19	N	33	248	A	11	
J	TOKYO	13020.000	25	11	0514			CHINA N.R.		BC		A3E	108	E	49	19	N	01	246	A	11	
KOR	CRMS	13020.000	01	12	0125	0125	12.4		CHN	BC		A3E									11	
J	TOKYO	13020.000	09	12	0041			CHINA N.R.		BC		A3E	108	E	49	34	N	12	270	A	11	
J	TOKYO	13020.000	21	12	1048			CHINA N.R.		BC		A3E	108	E	47	19	N	01	247	A	11	
KOR	CRMS	13020.000	27	12	0418	0418	46.0		THA	BC		A3E									3	
J	TOKYO	13020.000	27	12	0838				CHN	BC		A3E	109	E	07	18	N	50	247	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	13020.020	02	12	0210			CHINA N.R.		BC		A3E	125	E	02	47	N	27	320	B	11	
J	TOKYO	13036.900	25	11	0515				RUS				136	E	56	50	N	24	352	A		
J	TOKYO	13037.000	25	10	0123				RUS				136	E	51	50	N	38	352	A		
RUS	BELGOROD	13044.300	19	10	0805	0808	24.3		DJI		2K60		043	E	05	11	N	24				
G	BALDOCK	13044.300	05	12	1454			FUV (FRENCH NAVAL TRANSMITTER DJIBOUTI)	F	FX		G1D							124	A		2400 BD STANAG 4285
RUS	SMOLENSK	13044.350	19	10	0600	0700	4.0		DJI	FC	2K99	J7D	042	E	23	11	N	41	165	B		
RUS	SMOLENSK	13059.000	18	10	0700	0800	6.0		E	FC	2K99	J7D	002	W	29	40	N	30	252	B		
RUS	BELGOROD	13059.340	18	10	0622	0627	39.3		F		2K70		001	E	53	46	N	57				
I	ROMA	13059.400	04	11	1045	1046	32.0		E	FX	3K00E	G1D							267	A		STANAG 4285
G	BALDOCK	13059.400	03	12	1518			EBA (MADRID)	E	FX		G1D							190	A		
I	ROMA	13064.000	04	11	1050	1056	33.0		RUS	FX	250HE	F1B										50 BD
KOR	CRMS	13070.000	28	10	0505	0505	23.0		CHN	BC		A3E									11	
KOR	CRMS	13070.000	23	11	0642	0642	12.9		CHN	BC		A3E									11	
KOR	CRMS	13070.000	28	12	0614	0614	19.9		CHN	BC		A3E									6	
J	TOKYO	13070.140	12	10	0538			SOUND OF HOPE		BC		A3E	121	E	10	24	N	08	240	B	11	TAIWAN
J	TOKYO	13070.140	19	10	0215			SOUND OF HOPE		BC		A3E	121	E	16	23	N	55	240	B	11	TAIWAN
J	TOKYO	13070.150	09	11	0905			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13070.150	25	11	0515			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13070.150	21	12	1050			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13070.160	27	12	0839				CHN	BC		A3E	121	E	26	24	N	32	241	B		TAIWAN
J	TOKYO	13093.700	16	11	0706				CHN			F1B	117	E	24	38	N	55	287	B		
G	BALDOCK	13101.000	19	12	1435			PKP (DUMAI RADIO)	INS	FC		J3E							79	B		CHANNEL ~ C1209
I	ROMA	13128.000	04	11	1030	1031	32.0	TAH	TUR	FX	2K70E	J3E							87	A		METEO
J	TOKYO	13130.000	05	10	0649			CHINA N.R.		BC		A3E	118	E	45	26	N	18	296	B	11	
KOR	CRMS	13130.000	06	10	0919	0919	22.4		CHN	BC		A3E									11	
J	TOKYO	13130.000	12	10	0539				CHN	BC		A3E	123	E	42	47	N	33	319	B		
RUS	NOVOSIBIRSK	13130.000	18	10	0130	0230	18.0		CHN	BC		A3E	109	E	53	18	N	40	140	A	11	
RUS	NYAGAN	13130.000	18	10	0556	0557	25.0		CHN		3K36	A3E	112	E	36	33	N	17	112	A	11	
RUS	BELGOROD	13130.000	18	10	0614	0618	39.0		CHN	BC	9K40	A3E	121	E	11	24	N	43			11	
RUS	ARKHANGELSK	13130.000	18	10	0620	0650	24.0		CHN	BC		A3E							87	B	11	
RUS	SAMARA	13130.000	18	10	0830	0900	30.0		CHN	BC	10K0	A3E	104	E	51	34	N	30	88		11	
RUS	SLAVYANKA	13130.000	18	10	0900	0930	45.0		CHN	BC	782H	A3E	109	E	22	31	N	21	244	A	11	
RUS	BELGOROD	13130.000	18	10	1029	1032	50.7		CHN	BC	8K50	A3E	115	E	15	23	N	47			11	
J	TOKYO	13130.000	19	10	0216			CHINA N.R.		BC		A3E	107	E	37	34	N	35	276	B	11	
J	TOKYO	13130.000	25	10	0128				CHN	BC		A3E	109	E	11	19	N	13		B		
KOR	CRMS	13130.000	01	11	0422	0422	5.0		CHN	BC		A3E									11	
KOR	CRMS	13130.000	02	11	0804	0804	16.8		CHN	BC		A3E									11	
J	TOKYO	13130.000	04	11	1048			CHINA N.R.		BC		A3E	116	E	34	40	N	01	290	A	11	
J	TOKYO	13130.000	09	11	0908			CHINA N.R.		BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	13130.000	16	11	0709			CHINA N.R.		BC		A3E	110	E	03	19	N	27	247	B	11	
J	TOKYO	13130.000	25	11	0517			CHINA N.R.		BC		A3E	108	E	47	19	N	01	247	A	11	
KOR	CRMS	13130.000	01	12	0125	0125	11.2		CHN	BC		A3E									11	
J	TOKYO	13130.000	02	12	0211			CHINA N.R.		BC		A3E	118	E	55	25	N	47	248	B	11	
J	TOKYO	13130.000	09	12	0044			CHINA N.R.		BC		A3E	108	E	54	19	N	01	246	A	11	
G	BALDOCK	13130.000	19	12	1440			SOH XI WANG ZHI SHENG	CHN	BC		A3E	120	E	42	24	N	23	51	B		MIAOLI TX
J	TOKYO	13130.000	27	12	0839				CHN	BC		A3E	087	E	15	43	N	10	297	B		
J	TOKYO	13130.100	21	12	1051			SOUND OF HOPE		BC		A3E									11	
I	ROMA	13134.000	04	11	1156	1158	29.0	SVO54	GRC	FC	2K70E	J3E							118	A		
J	TOKYO	13159.870	25	11	0518			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13159.920	02	12	0212			SOUND OF HOPE		BC		A3E	121	E	24	24	N	51	241	B	11	TAIWAN
J	TOKYO	13159.920	21	12	1053			SOUND OF HOPE		BC		A3E	121	E	35	25	N	03	242	A	11	TAIWAN
J	TOKYO	13159.930	27	12	0840				CHN	BC		A3E	121	E	15	23	N	51	240	B		TAIWAN
KOR	CRMS	13160.000	05	10	0642	0642	25.0		CHN	BC		A3E									11	
J	TOKYO	13160.000	05	10	0651			CHINA N.R.		BC		A3E									11	
J	TOKYO	13160.000	12	10	0542				CHN	BC		A3E	086	E	35	43	N	12	297	B		
RUS	NOVOSIBIRSK	13160.000	18	10	0200	0300	19.0		CHN	BC		A3E	109	E	26	19	N	11	140	A	11	
RUS	S. PETERSBURG	13160.000	18	10	0430	0500	26.0		CHN	BC		A3E	087	E	35	43	N	48	89	B	11	
RUS	SAMARA	13160.000	18	10	0700	0730	31.0		CHN	BC	10K0	A3E	112	E	59	33	N	02	93		11	
RUS	BELGOROD	13160.000	18	10	0715	0718	50.4		CHN	BC	7K10	A3E	112	E	14	28	N	29			11	
RUS	SLAVYANKA	13160.000	18	10	0800	0830	53.0		CHN	BC	1K57	A3E	085	E	00	42	N	04	285	A	11	
RUS	BELGOROD	13160.000	18	10	1025	1029	54.5		CHN	BC	8K40	A3E	086	E	54	44	N	09			11	
J	TOKYO	13160.000	19	10	0216			CHINA N.R.		BC		A3E	088	E	07	43	N	30	297	B	11	
KOR	CRMS	13160.000	01	11	0422	0422	4.4		CHN	BC		A3E									11	
J	TOKYO	13160.000	04	11	1050			CHINA N.R.		BC		A3E	086	E	42	43	N	12	297	B	11	
J	TOKYO	13160.000	16	11	0712			CHINA N.R.		BC		A3E	117	E	29	25	N	51	250	B	11	
KOR	CRMS	13160.000	10	12	0014	0014	19.6		CHN	BC		A3E									6	
J	TOKYO	13160.010	09	11	0909			CHINA N.R.		BC		A3E									11	
RUS	SAMARA	13190.000	18	10	0600	0630	25.0		IRN	BC	10K0	A3E	059	E	58	29	N	28	159		11	
RUS	BELGOROD	13190.000	18	10	0618	0622	50.0		IRN	BC	7K90	A3E	055	E	47	29	N	35			11	
RUS	MOROZOVSK	13190.000	18	10	0700	0800	16.0		IRN	BC	3K00	A3E	060	E	56	26	N	53	138	B	11	
RUS	BELGOROD	13190.000	18	10	1032	1038	53.2		IRN	BC	9K40	A3E	055	E	47	29	N	35			11	
RUS	ARKHANGELSK	13190.000	18	10	1240	1310	42.0		IRN	BC	2K49	A3E							151	B		
RUS	SMOLENSK	13230.000	18	10	1000	1100	6.0		CHN	BC	2K99	A3E	118	E	55	25	N	23	77	B	11	
RUS	SMOLENSK	13264.000	15	10	1200	1300	12.0		IRL	FD	2K70	J3E	005	W	14	53	N	24	281	B		
I	ROMA	13264.000	04	11	1059	1100	39.0	SHANNON VOLMET	IRL	FA	2K70E	J3E							314	A		VOLMET
G	BALDOCK	13264.000	19	12				SHANNON VOLMET	IRL	FD		J3E							282	A		VOLMET
J	TOKYO	13270.000	05	10	0702			HAT YAI		FA		J2D										
J	TOKYO	13270.000	04	11	1101			HAT YAI		FA		J2D										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
I	ROMA	13270.000	04	11	1430	1431		006 HAT YAI CH 3	THA	MA	3K00E	J2D										HFDL
I	ROMA	13270.000	04	11	1431	1437		GANDER VOLMET	CAN	FA	2K70E	J3E										METEO
J	TOKYO	13270.000	09	11	0911			HAT YAI		FA		J2D										
J	TOKYO	13270.000	16	11	0717			HAT YAI		FA		J2D										
J	TOKYO	13270.000	21	12	1050			HAT YAI		FA		J2D										
J	TOKYO	13270.000	27	12	0841			HAT YAI		FA		J2D										
J	TOKYO	13273.000	09	12	0048			HAT YAI		FA		J2D										
J	TOKYO	13282.000	12	10	0546			HONG KONG				J3E	114	E	08	22	N	10	246	B		
J	TOKYO	13285.000	25	11	0521			BEIJING				J3E										
I	ROMA	13413.400	05	11	0731	0732	41.0	FUF	F	FX	3K00E								303	A		STANAG 4285
RUS	SMOLENSK	13419.800	15	10	0600	0700	11.0		F	FX	1K02	F1B	001	E	43	42	N	50	251	B		
RUS	BELGOROD	13419.800	15	10	0620	0650	32.0		F		1K30	F1B	002	E	06	43	N	23				
I	ROMA	13419.800	05	11	0733	0740	18.0			FX	900HE	F1B										50 BD
J	TOKYO	13419.810	16	11	0726							F1B							142	C		
INS	MSCK-TANGERANG	13427.450	13	10	0030	0100		Unknown		FX	3K00E	H3E										-
I	ROMA	13442.000	05	11	0741	0744	49.0			FX	3K00E	G1D							355	A		STANAG 4285 2400BD
I	ROMA	13500.000	05	11	1310	1319	15.0	CODAR	F	FX	100KE	PXX							296	A		EU HFR Node
I	ROMA	13527.700	05	11	0808	0810	18.0	D	RUS	RN	100HE	A1A							72	A		
I	ROMA	13527.900	05	11	0811	0813	15.0	S	RUS	RN	100HE	A1A							45	C		REPEATS THE LETTER S
I	ROMA	13528.000	05	11	0813	0814	7.0	C		RN	100HE	A1A										REPEATS THE LETTER C
J	TOKYO	13528.100	12	10	0417			A				A1A	078	E	34	43	N	12	299	B		
I	ROMA	13528.100	05	11	0814	0815	5.0	A	RUS	RN	100HE	A1A										REPEATS THE LETTER A
J	TOKYO	13528.100	09	11	0801			A				A1A							300	D		
J	TOKYO	13528.100	21	12	1005			A				A1A							300	D		
J	TOKYO	13528.300	05	10	0603			K				A1A	158	E	28	53	N	16	30	A		
J	TOKYO	13528.300	12	10	0418			K				A1A	158	E	20	43	N	05	30	B		
J	TOKYO	13528.300	24	10	2346			K				A1A	157	E	59	53	N	05	28	A		
J	TOKYO	13528.300	09	11	0801			K				A1A	158	E	48	53	N	32	30	B		
J	TOKYO	13528.300	25	11	0416			K				A1A	158	E	49	52	N	56	31	B		
J	TOKYO	13528.300	08	12	2345			K				A1A	158	E	11	53	N	08	30	A		
J	TOKYO	13528.400	05	10	0603			M				A1A	140	E	24	53	N	01	0	B		
J	TOKYO	13528.400	12	10	0419			M				A1A	140	E	07	51	N	42	359	B		
J	TOKYO	13528.400	09	11	0801			M				A1A	139	E	28	50	N	18	357	B		
J	TOKYO	13528.400	08	12	2346			M				A1A							359	A		
J	TOKYO	13529.990	21	12	1010			CHINA N.R.		BC		A3E	088	E	43	43	N	23	297	B	11	
J	TOKYO	13530.000	05	10	0610			CHINA N.R.		BC		A3E	112	E	37	37	N	02	282	B	11	
KOR	CRMS	13530.000	05	10	0642	0642	19.8		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	13530.000	12	10	0500	0530		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	13530.000	14	10	0700	0730	26.0		CHN	BC		A3E	109	E	21	34	N	10	128	A	11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SAMARA	13530.000	14	10	0700	0730	26.0		CHN	BC	10K0	A3E	120	E	42	24	N	23	93	B		
RUS	BELGOROD	13530.000	14	10	0830	0834	51.9		CHN	BC	7K70	A3E	086	E	54	44	N	09			11	
RUS	S. PETERSBURG	13530.000	14	10	2300	2330	39.0		CHN	BC	6K52	A3E	118	E	52	27	N	40	76	B		
J	TOKYO	13530.000	19	10	0131			CHINA N.R.		BC		A3E	125	E	44	45	N	59	318	B	11	
J	TOKYO	13530.000	24	10	2347			CHINA N.R.		BC		A3E							248	A	11	
KOR	CRMS	13530.000	02	11	0804	0804	3.4		CHN	BC		A3E									11	
KOR	CRMS	13530.000	04	11	0450	0450	3.9		CHN	BC		A3E									11	
J	TOKYO	13530.000	04	11	1005			CHINA N.R.		BC		A3E	108	E	44	19	N	04	248	B	11	
J	TOKYO	13530.000	25	11	0420			CHINA N.R.		BC		A3E	108	E	48	18	N	40	247	B	11	
J	TOKYO	13530.000	02	12	0130			CHINA N.R.		BC		A3E							247	A	11	
KOR	CRMS	13530.000	10	12	0014	0014	22.5		CHN	BC		A3E									11	
J	TOKYO	13530.000	27	12	0747			CHINA N.R.		BC		A3E	116	E	25	39	N	36	289	B	11	
J	TOKYO	13530.220	05	10	0600			SOUND OF HOPE		BC		A3E	120	E	53	24	N	31	242	A	11	TAIWAN
J	TOKYO	13530.220	09	11	0800			SOUND OF HOPE		BC		A3E	121	E	00	24	N	47	242	A	11	TAIWAN
J	TOKYO	13530.220	25	11	0421			SOUND OF HOPE		BC		A3E	120	E	24	23	N	26	240	A	11	TAIWAN
J	TOKYO	13530.220	08	12	2346			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13530.230	27	12	0747			SOUND OF HOPE		BC		A3E	121	E	21	24	N	56	242	B	11	TAIWAN
J	TOKYO	13549.950	05	10	0606			SOUND OF HOPE		BC		A3E	121	E	40	24	N	42	241	B	11	TAIWAN
J	TOKYO	13549.990	24	10	2349			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13549.990	09	11	0811			SOUND OF HOPE		BC		A3E	120	E	55	24	N	13	241	B	11	TAIWAN
INS	MSCK-TANGERANG	13550.000	12	10	0400	0430		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
J	TOKYO	13550.000	25	11	0433			SOUND OF HOPE		BC		A3E	121	E	22	24	N	32	241	A	11	TAIWAN
J	TOKYO	13550.020	08	12	2347			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	13570.000	06	10	0920	0920	29.8		CHN	BC		A3E									6	
J	TOKYO	13570.000	12	10	0450			HLL2				F3C							296	C		
RUS	ARKHANGELSK	13570.000	14	10	0900	0910	19.0	CRI	CHN	BC		A3E							93	B		
RUS	SAMARA	13570.000	14	10	0900	1000	21.0		CHN	BC	10K0	A3E	106	E	52	33	N	39	93	B		
RUS	SLAVYANKA	13570.000	14	10	0900	0930	66.0		CHN	BC	1K24	A3E	106	E	28	32	N	44	251	A		
J	TOKYO	13570.000	19	10	0138			HLL2				F3C	127	E	57	36	N	11	277	A		
KOR	CRMS	13570.000	08	11	0422	0422	14.3		CHN	BC		A3E									6	
KOR	CRMS	13570.000	29	11	0422	0422	58.4		CHN	BC		A3E									6	
J	TOKYO	13570.000	02	12	0136			HLL2				F3C	127	E	47	36	N	11	276	A		
G	BALDOCK	13570.000	05	12	0440			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							55	A		XIANYANG TX
KOR	CRMS	13570.000	23	12	0446	0446	49.5		USA	BC		A3E									6	
KOR	CRMS	13570.000	24	12	0611	0611	36.3		CHN	BC		A3E									11	
KOR	CRMS	13570.000	28	12	0615	0615	32.5		CHN	BC		A3E									3	
RUS	ARKHANGELSK	13580.000	14	10	1000	1010	42.0	CRI	CHN	BC	1K26	A3E							104	B		
RUS	BELGOROD	13580.000	14	10	1110	1114	53.6		TJK	BC	15K4	A3E	068	E	47	37	N	32				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	13580.000	27	12	1025			VOICE OF AMERICA (SOMALI)	KWT	BC		A3E							102	B		KUWAIT TX SITE
KOR	CRMS	13590.000	05	10	0643	0643	31.1		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	13590.000	12	10	0200	0230		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
KOR	CRMS	13590.000	13	10	0942	0942	26.4		CHN	BC		A3E									11	
RUS	NOVOSIBIRSK	13590.000	14	10	0230	0300	49.0		CHN	BC		A3E	075	E	48	39	N	29	201	A		
RUS	BELGOROD	13590.000	14	10	0615	0645	21.0		CHN	BC	14K5	A3E	118	E	53	35	N	30				
RUS	SLAVYANKA	13590.000	14	10	0630	0700	60.0		CHN	BC	922H	A3E	116	E	13	38	N	32	255	A		
RUS	ARKHANGELSK	13590.000	14	10	0910	0920	42.0		IRN	BC	2K15	A3E							157	B		
RUS	ARKHANGELSK	13590.000	14	10	1020	1030	41.0	CRI	CHN	BC	2K99	A3E							83	B		
KOR	CRMS	13590.000	26	10	0740	0740	60.1		CHN	BC		A3E									6	
J	TOKYO	13590.000	27	10	0300			CHINA R.I.	CHN	BC		A3E										
I	ROMA	13590.000	28	10	0845	0846	22.0	ISLAMIC REP.IRAN	IRN	BC	10K0E	A3E							91	A		
KOR	CRMS	13590.000	23	11	0644	0644	46.0		CHN	BC		A3E									6	
J	TOKYO	13590.000	15	12	0400			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	13590.000	22	12	0027	0027	52.2		CHN	BC		A3E									6	
G	BALDOCK	13590.000	27	12	1030			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							48	A		BEIJING TX
RUS	NOVOSIBIRSK	13600.000	14	10	0200	0230	32.0		CHN	BC		A3E	075	E	53	39	N	24	201	A		
RUS	SMOLENSK	13600.000	14	10	0530	0630	21.0		OMA	BC	2K99	A3E	053	E	52	17	N	49	147	B		
RUS	BELGOROD	13600.000	14	10	1305	1325	69.0	China Radio International	CHN	BC	10K0	A3E	108	E	36	34	N	22				
G	BALDOCK	13600.000	27	12	1035			R. FARDA (PERSIAN)	D	BC		A3E							109	B		LAMPERTHEIM TX SITE
INS	MSCK-TANGERANG	13610.000	12	10	0100	0130		CNR 1 Voice of China	CHN	BC	9K00	A3E									-	
RUS	SMOLENSK	13610.000	14	10	0530	0630	42.0		IRN	BC	2K99	A3E	055	E	37	27	N	28	138	B		
RUS	NOVOSIBIRSK	13610.000	14	10	0730	0800	29.0		CHN	BC		A3E	108	E	13	22	N	54	140	A		
KOR	CRMS	13610.000	14	10	1338	1338	10.5		ROU	BC		A3E									6	
I	ROMA	13610.000	28	10	0849	0851	28.0	CNR 1	CHN	BC	10K0E	A3E							69	A		
KOR	CRMS	13610.000	26	11	0617	0617	20.1		CHN	BC		A3E									6	
J	TOKYO	13610.000	15	12	0700			CHINA R.I.	CHN	BC		A3E										
G	BALDOCK	13610.000	27	12	1040			CNR 1 VOICE OF CHINA	CHN	BC		A3E							65	B		NANNING TX
KOR	CRMS	13610.000	29	12	0018	0018	34.7	CNR	CHN	BC		A3E									6	
INS	MSCK-TANGERANG	13630.000	12	10	0000	0030		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
RUS	SAMARA	13630.000	14	10	0630	0700	30.0		IRN	BC	10K0	A3E	055	E	47	29	N	35	169	B		
KOR	CRMS	13630.000	21	10	1213	1213	40.9		CHN	BC		A3E									6	
I	ROMA	13630.000	03	11	1700	1702	43.0	VOICE OF AMERICA		BC	11K5E	A3E										POR
KOR	CRMS	13630.000	08	11	0423	0423	19.6	CNR	CHN	BC		A3E									3	
KOR	CRMS	13630.000	29	12	0018	0018	49.4		CHN	BC		A3E									3	
RUS	SMOLENSK	13635.000	14	10	0530	0630	55.0		TUR	BC	2K99	A3E	032	E	46	39	N	21	178	B		
RUS	BELGOROD	13635.000	14	10	0600	0640	48.0		TUR	BC	7K70	A3E	033	E	21	39	N	24				
RUS	SAMARA	13635.000	14	10	0700	0730	27.0		TUR	BC	10K0	A3E	033	E	21	39	N	24	228	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	ARKHANGELSK	13635.000	14	10	0920	0930	40.0	Voice of Turkey	TUR	BC	2K48	A3E							195	B		
I	ROMA	13635.000	28	10	0853	0855	53.0	VOICE OF TURKEY	TUR	BC	10K0E	A3E							91	A		
INS	MSCK-TANGERANG	13640.000	11	10	2330	2400		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	13640.000	14	10	0400	0430	28.0		CHN	BC		A3E	076	E	07	39	N	40	200	A		
RUS	SLAVYANKA	13640.000	14	10	0530	0600	46.0		CHN	BC	1K31	A3E	118	E	17	30	N	16	224	A		
RUS	ARKHANGELSK	13640.000	14	10	0930	0940	38.0		CHN	BC	2K99	A3E							90	B		
KOR	CRMS	13640.000	23	10	0050	0050	52.3		CHN	BC		A3E									6	
KOR	CRMS	13640.000	28	10	0508	0508	39.3		CHN	BC		A3E									6	
KOR	CRMS	13640.000	26	11	0618	0618	70.8		CHN	BC		A3E									6	
KOR	CRMS	13640.000	22	12	0028	0028	33.3		CHN	BC		A3E									6	
RUS	SMOLENSK	13645.000	14	10	0530	0630	21.0		CHN	BC	2K99	A3E	108	E	34	34	N	11	78	B		
RUS	SLAVYANKA	13645.000	14	10	0600	0630	56.0		CHN	BC	2K48	A3E	107	E	52	34	N	06	252	A		
RUS	NOVOSIBIRSK	13645.000	14	10	0630	0700	19.0		CHN	BC		A3E	107	E	16	32	N	55	132	A		
KOR	CRMS	13645.000	30	11	0709	0709	29.2		CHN	BC		A3E									6	
RUS	SMOLENSK	13650.000	13	10	0530	0630	18.0		KRE	BC	2K99	A3E	125	E	18	40	N	10	62	B		
RUS	SMOLENSK	13650.000	14	10	0530	0630	15.0		KRE	BC	2K99	A3E	125	E	38	38	N	49	63	B		
RUS	ARKHANGELSK	13650.000	14	10	1010	1020	21.0	Voice of Korea	KRE	BC		A3E							75	B		
KOR	CRMS	13650.000	21	10	0416	0416	25.2	KCB	KRE	BC		A3E									3	
G	BALDOCK	13650.000	05	12	0445			VOICE OF KOREA	KOR	BC		A3E							40	B		KUJANG TX
J	TOKYO	13655.000	27	10	0000			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	13655.000	10	11	0000			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	13655.000	27	12	0419	0419	60.5	CRI	CHN	BC		A3E									3	
RUS	SAMARA	13660.000	13	10	0650	0705	20.0		CHN	BC	10K0	A3E	108	E	36	32	N	22				
RUS	SAMARA	13660.000	13	10	0650	0705	20.0		F	BC	10K0	A3E	001	E	53	46	N	57	279			
RUS	BELGOROD	13660.000	13	10	0650	0655	30.0		G	BC	10K2	A3E	002	W	43	52	N	19				
RUS	NOVOSIBIRSK	13660.000	13	10	0700	0730	18.0	CHINA RADIO INTERNATIONAL	CHN	BC		A3E	108	E	39	34	N	36	128	A		
KOR	CRMS	13660.000	26	10	0741	0741	42.9	CRI	CHN	BC		A3E									3	
KOR	CRMS	13670.000	09	10	0019	0019	41.2		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	13670.000	11	10	0600	0700		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	13670.000	13	10	0500	0530	22.0		CHN	BC	9K50	A3E	087	E	04	44	N	56	164	A		
RUS	BELGOROD	13670.000	13	10	0645	0650	55.7		CHN	BC	7K60	A3E	086	E	54	44	N	09				
RUS	ARKHANGELSK	13670.000	13	10	0800	0810	22.0		CHN	BC		A3E							108	B		
RUS	NYAGAN	13670.000	13	10	0900	0910	31.0		CHN		6K10	A3E	086	E	34	43	N	09	136	A		
RUS	VERHNEYE DUBROVO	13670.000	13	10	0900	0910	28.0		CHN		5K55	A3E	086	E	34	43	N	09	119	A		
RUS	SAMARA	13670.000	13	10	1340	1355	18.0		KRE	BC	10K0	A3E	126	E	06	40	N	04	74			
RUS	S. PETERSBURG	13670.000	13	10	1830	1900	52.0		MDG	BC	9K60	A3E	047	E	50	18	S	51	163	B		
KOR	CRMS	13670.000	23	10	0050	0050	60.4		CHN	BC		A3E									6	
KOR	CRMS	13670.000	02	11	0806	0806	4.1	CNR	CHN	BC		A3E									3	
KOR	CRMS	13670.000	08	12	0027	0027	20.2		CHN	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	13670.000	27	12	1100			PBS XINJIANG	CHN	BC		A3E							65	B		URUMQI TX
KOR	CRMS	13670.000	29	12	0019	0019	51.1		CHN	BC		A3E									3	
KOR	CRMS	13680.000	07	10	0416	0416	12.3		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	13680.000	11	10	0600	0700		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	SLAVYANKA	13680.000	13	10	0010	0100	25.0		CHN	BC	1K10	A3E	115	E	51	39	N	49	261	A		
RUS	BELGOROD	13680.000	13	10	0655	0658	48.7		CHN	BC	11K6	A3E	086	E	54	44	N	09				
RUS	ARKHANGELSK	13680.000	13	10	0940	0950	29.0		IRN	BC		A3E							157	B		
RUS	SAMARA	13680.000	13	10	1130	1140	21.0		IRN	BC	10K0	A3E	055	E	47	29	N	35	169			
KOR	CRMS	13680.000	26	10	0741	0741	52.5		CHN	BC		A3E									6	
KOR	CRMS	13680.000	09	11	0737	0737	8.9		CHN	BC		A3E									6	
KOR	CRMS	13680.000	07	12	0416	0416	12.3		CHN	BC		A3E									6	
KOR	CRMS	13680.000	31	12	0414	0414	52.3		CHN	BC		A3E									11	
RUS	SAMARA	13685.000	13	10	0500	0510	21.0		IRN	BC	10K0	A3E	055	E	47	29	N	35	170			
RUS	S. PETERSBURG	13685.000	13	10	1830	1900	55.0		MLI	BC	14K5	A3E	006	W	07	12	N	18	225	B		
G	BALDOCK	13685.000	27	12	1104			RADIO FREE ASIA	USA	BC		A3E							38	B		TINIAN ISLAND TX
KOR	CRMS	13690.000	08	10	1508	1508	4.9		ARM	BC		A3E									6	
RUS	SAMARA	13690.000	13	10	1140	1155	17.0		IRN	BC	10K0	A3E	045	E	11	40	N	24				
RUS	SAMARA	13690.000	14	10	0900	1200	25.0		IRN	BC	10K0	A3E	055	E	14	27	N	58	170			
KOR	CRMS	13690.000	22	10	1525	1525	16.4		D	BC		A3E									6	
KOR	CRMS	13690.000	08	12	1508	1508	4.9		ARM	BC		A3E									6	
RUS	SMOLENSK	13695.000	13	10	0530	0630	22.0		F	BC	2K99	A3E	001	E	48	46	N	24	258	B		
RUS	BELGOROD	13695.000	13	10	0635	0640	37.0		F	BC	7K70	A3E	001	E	53	46	N	57				
RUS	BELGOROD	13695.000	13	10	0658	0700	49.8		F	BC	10K2	A3E	001	E	53	46	N	57				
RUS	SAMARA	13695.000	13	10	0701	0715	20.0		F	BC	10K0	A3E	001	E	53	46	N	57	279			
I	ROMA	13695.000	28	10	0859	0900	28.0	RADIO FRANCE INTERNA	F	BC	10K0E	A3E							307	A		
INS	MSCK-TANGERANG	13700.000	11	10	0600	0700		CNR 13	CHN	BC	9K00	A3E										-
RUS	NOVOSIBIRSK	13700.000	13	10	0200	0230	33.0		CHN	BC	15K4	A3E	111	E	46	36	N	48	121	A		
RUS	SAMARA	13700.000	13	10	0520	0526	20.0		CHN	BC	10K0	A3E	111	E	55	36	N	52	85			
RUS	SMOLENSK	13700.000	13	10	0530	0630	22.0		CHN	BC	1K73	A3E	111	E	12	35	N	51	74	B		
RUS	ARKHANGELSK	13700.000	13	10	0810	0820	34.0		CHN	BC	1K17	A3E							88	B		
RUS	MOROZOVSK	13700.000	13	10	0830	0845	16.0		CHN	AT	3K00	A3E	116	E	05	32	N	11	77	B		
RUS	NYAGAN	13700.000	13	10	1555	1556	28.0		CHN		2K60	A3E	109	E	10	34	N	06	115	A		
RUS	VERHNEYE DUBROVO	13700.000	13	10	1557	1558	28.0		CHN		2K80	A3E	080	E	10	34	N	06	145	B		
KOR	CRMS	13700.000	28	10	0510	0510	42.7		CHN	BC		A3E									6	
G	BALDOCK	13700.000	05	12	0450			CNR 13	CHN	BC		A3E							53	B		LINGSHI TX
KOR	CRMS	13700.000	30	12	0314	0314	45.0	CNR	CHN	BC		A3E									6	
KOR	CRMS	13700.000	31	12	0415	0415	45.3		THA	BC		A3E									11	
KOR	CRMS	13710.000	09	10	0020	0020	17.1		IND	BC		A3E									6	
RUS	SAMARA	13710.000	13	10	0701	0717	20.0		F	BC	10K0	A3E	001	E	53	46	N	56	281			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	13710.000	04	11	1010					BC		D7W										
KOR	CRMS	13710.000	28	12	0616	0616	37.0		CHN	BC		A3E									6	
RUS	S. PETERSBURG	13710.052	13	10	1645	1705	64.0		ARS	BC		A3E	045	E	36	24	N	36	156	B		
I	ROMA	13715.000	05	11	0816	0831	40.0	CNR 1	CHN	BC	10K0	X7W							70	A		DRM
J	TOKYO	13715.000	09	11	0814				CHN	BC		D7W	102	E	59	25	N	18	262	B		
RUS	NOVOSIBIRSK	13720.000	13	10	0300	0330	14.0		CHN	BC		A3E	075	E	43	39	N	26	201	A		
RUS	BELGOROD	13720.000	13	10	0710	0715	46.0		ARS	BC	8K90	A3E	046	E	52	24	N	29				
RUS	SAMARA	13720.000	13	10	0721	0730	20.0		ARS	BC	10K0	A3E	046	E	52	24	N	49	188			
RUS	ARKHANGELSK	13720.000	13	10	0810	0820	44.0	CRI	CHN	BC	2K95	A3E							93	B		
RUS	NYAGAN	13720.000	13	10	1050	1100	55.0		CHN		2K60	A3E	053	E	50	87	N	04	351	C		
RUS	VERHNEYE DUBROVO	13720.000	13	10	1050	1100	28.0		CHN		2K61	A3E	053	E	50	87	N	04	350	C		
RUS	S. PETERSBURG	13720.001	13	10	1705	1720	56.0		F	BC		A3E	000	E	55	46	N	10	244	B		
INS	MSCK-TANGERANG	13730.000	11	10	0500	0530		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	ARKHANGELSK	13730.000	13	10	0950	1000	43.0		CHN	BC	2K97	A3E							88	B		
I	ROMA	13730.000	28	10	0903	0913	36.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							70	A		
RUS	S. PETERSBURG	13730.001	13	10	1720	1740	43.0	NHK	MDG	BC		A3E	045	E	28	17	S	04	165	B		
RUS	S. PETERSBURG	13739.996	13	10	1900	1915	50.0	Radio France Internationale	F	BC	10K4	A3E	000	E	55	46	N	10	244	B		
RUS	SAMARA	13740.000	13	10	0550	0605	20.0		F	BC	10K0	A3E	001	E	53	46	N	57	279			
RUS	ARKHANGELSK	13740.000	13	10	0820	0830	18.0	BBC	OMA	BC		A3E							164	B		
RUS	NOVOSIBIRSK	13740.000	13	10	0830	0900	32.0		OMA	BC		A3E	059	E	09	22	N	24	219	A		
RUS	SMOLENSK	13740.000	13	10	1300	1400	59.0		ROU	BC	2K99	A3E	025	E	59	44	N	30	203	B		
I	ROMA	13740.000	03	11	1700	1705	32.0	RFI	F	BC	10K0E	A3E										FRE
KOR	CRMS	13750.000	07	10	0419	0419	11.1		KWT	BC		A3E									6	
RUS	SAMARA	13750.000	13	10	1125	1140	17.0		ROU	BC	10K0	A3E	026	E	06	44	N	44	254			
KOR	CRMS	13750.000	21	10	1214	1214	29.8		ROU	BC		A3E									6	
KOR	CRMS	13750.000	10	11	0017	0017	4.6		THA	BC		A3E									6	
KOR	CRMS	13750.000	24	11	0039	0039	51.6		CHN	BC		A3E									6	
KOR	CRMS	13750.000	07	12	0419	0419	11.1		KWT	BC		A3E									6	
KOR	CRMS	13750.000	10	12	0017	0017	4.6		THA	BC		A3E									11	
KOR	CRMS	13750.000	22	12	0029	0029	37.0		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	13755.000	13	10	1200	1230	18.0		CHN	BC	14K1	A3E	075	E	50	39	N	34	201	A		
I	ROMA	13755.000	28	10	0930	0930	24.0	VOICE OF AMERICA	THA	BC	10K0	A3E							76	A		
INS	MSCK-TANGERANG	13760.000	11	10	0400	0430		Voice of Korea	KRE	BC	9K00	A3E										-
RUS	S. PETERSBURG	13760.000	13	10	1800	1830	53.0		CHN	BC	8K50	A3E	075	E	56	39	N	32	105	B		
RUS	SAMARA	13765.000	13	10	0520	0526	20.0		TUR	BC	10K0	A3E	033	E	21	38	N	24	229			
RUS	BELGOROD	13765.000	13	10	0640	0645	42.0		TUR	BC	9K50	A3E	032	E	48	39	N	41				
KOR	CRMS	13765.000	28	10	0510	0510	49.3		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	13770.000	11	10	0330	0400		CNR 7 Radio The Great Bay		BC	9K00	A3E										-
RUS	NOVOSIBIRSK	13770.000	13	10	0130	0200	29.0		CHN	BC	7K60	A3E	076	E	11	39	N	04	199	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	13770.000	13	10	0715	0725	27.0		CHN	BC	10K6	A3E	075	E	43	39	N	22				
RUS	ARKHANGELSK	13770.000	13	10	0830	0840	35.0		CHN	BC	2K17	A3E							114	B		
RUS	MOROZOVSK	13770.000	13	10	0845	0900	15.0		CHN	AT	3K00	A3E	074	E	38	39	N	46	97	C		
RUS	NYAGAN	13770.000	13	10	1050	1100	16.0		CHN		2K88	A3E	075	E	52	38	N	26	159	A		
RUS	VERHNEYE DUBROVO	13770.000	13	10	1050	1100	15.0		CHN		3K00	A3E	075	E	52	38	N	26	144	B		
I	ROMA	13770.000	28	10	0933	0934	21.0	CNR 7	CHN	BC	10K0E	A3E							70	A		
KOR	CRMS	13770.000	10	11	0017	0017	9.7	CRI	CHN	BC		A3E									3	
KOR	CRMS	13770.000	10	12	0017	0017	9.7	CRI	CHN	BC		A3E									11	
HNG	TARNOK	13770.000	19	12	0605	1200	31.1	CNR7	CHN	BC	9K92	A3E										
INS	MSCK-TANGERANG	13775.000	11	10	0300	0330		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	SMOLENSK	13775.000	13	10	1400	1500	33.0		ARS	BC	2K99	A3E	046	E	23	24	N	40	155	B		
KOR	CRMS	13775.000	14	10	1340	1340	20.2		ARS	BC		A3E									6	
HNG	TARNOK	13775.014	19	12	1200	1457	37.7	RADIO SAUDI	ARS	BC	9K77	A3E										
RUS	NOVOSIBIRSK	13780.000	13	10	0230	0300	26.0		CHN	BC		A3E	101	E	44	24	N	25	149	A		
I	ROMA	13780.000	28	10	0936	0937	26.0	RADIO SAUDI	ARS	BC	10K0	A3E							110	A		
KOR	CRMS	13790.000	07	10	0419	0419	4.4		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	13790.000	11	10	0200	0230		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E										-
RUS	ARKHANGELSK	13790.000	13	10	0840	0850	38.0		CHN	BC	1K21	A3E							88	B		
RUS	NOVOSIBIRSK	13790.000	13	10	0900	0930	43.0		CHN	BC	10K8	A3E	120	E	45	24	N	15	122	A		
RUS	S. PETERSBURG	13790.000	13	10	1800	1830	52.0		CVA	BC	7K07	A3E	012	E	16	41	N	50	219	B		
KOR	CRMS	13790.000	21	10	0419	0419	17.1	BBC	UAE	BC		A3E									3	
KOR	CRMS	13790.000	28	10	0511	0511	46.7		CHN	BC		A3E									6	
KOR	CRMS	13790.000	01	11	0426	0426	18.4		CHN	BC		A3E									6	
KOR	CRMS	13790.000	11	11	0512	0512	37.9		CHN	BC		A3E									6	
KOR	CRMS	13790.000	07	12	0419	0419	4.4		CHN	BC		A3E									11	
KOR	CRMS	13790.000	10	12	0713	0713	14.4		CHN	BC		A3E									6	
HNG	TARNOK	13790.000	19	12	1000	1200	37.7	SOH XI WANG	CHN	BC	9K81	A3E										
HNG	TARNOK	13790.000	19	12	1200	1357	56.0	CRI	CHN	BC	9K88	A3E										
HNG	TARNOK	13790.009	19	12	0700	0830	35.5	IRIB	IRN	BC	9K66	A3E										
KOR	CRMS	13795.000	17	11	0032	0032	30.1		CHN	BC		A3E									6	
KOR	CRMS	13795.000	08	12	0028	0028	14.0		CHN	BC		A3E									6	
RUS	ARKHANGELSK	13800.000	13	10	1010	1020	28.0	CRI	CHN	BC		A3E							93	B		
I	ROMA	13800.000	28	10	0940	0940	30.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							70	A		
KOR	CRMS	13805.000	30	12	0315	0315	53.9		CHN	BC		A3E									6	
HNG	TARNOK	13809.998	19	12	1158	1400	27.3	CRI	CHN	BC	9K92	A3E										
J	TOKYO	13810.000	05	10	0612			CHINA N.R.		BC		D7W	102	E	23	25	N	00	262	B		
RUS	NOVOSIBIRSK	13810.000	13	10	0630	0700	18.0		CHN	BC	10K0	F9D	102	E	32	24	N	25	147	A		
RUS	SMOLENSK	13810.000	13	10	1300	1400	31.0		CHN	BC	2K99	A3E	075	E	41	39	N	25	99	B		
KOR	CRMS	13810.000	22	10	1527	1527	25.1		TJK	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	13820.000	08	10	1510	1510	-3.1		KWT	BC		A3E									6	
INS	MSCK-TANGERANG	13820.000	11	10	0100	0130		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
KOR	CRMS	13820.000	08	12	1510	1510	-3.1		KWT	BC		A3E									3	
J	TOKYO	13825.000	05	10	0615				CHN	BC		D7W	116	E	18	39	N	37	289	B		
INS	MSCK-TANGERANG	13825.000	11	10	0030	0100		CNR 1 3EA (Digital)	CHN	BC	9K00	A3E									-	
RUS	SLAVYANKA	13825.000	13	10	0120	0200	30.0		CHN	BC	9K72	X7E	117	E	00	39	N	21	257	A		
RUS	NOVOSIBIRSK	13825.000	13	10	0330	0400	8.0		UZB	BC	9K40	A3E	069	E	39	40	N	58	218	A		
RUS	SAMARA	13825.000	13	10	0520	0526	20.0		CHN	BC	10K0	A3E	116	E	48	39	N	44				
RUS	ARKHANGELSK	13825.000	13	10	1000	1010	44.0		CHN	BC	2K98	A3E							82	B		
RUS	SMOLENSK	13830.000	13	10	1300	1400	47.0		TJK	BC	2K99	A3E	068	E	25	38	N	11	109	B		
RUS	S. PETERSBURG	13830.000	13	10	1800	1830	61.0	Vatican Radio	CVA	BC	7K75	A3E	012	E	16	41	N	50	219	B		
KOR	CRMS	13840.000	04	10	2115	2115	13.8		NZL	BC		A3E									6	
INS	MSCK-TANGERANG	13840.000	10	10	2330	2400		SOH XI WANG ZHI SHENG	CHN	BC	9K00	A3E									-	
KOR	CRMS	13840.000	24	10	0421	0421	16.0		CHN	BC		A3E									6	
KOR	CRMS	13840.000	28	10	0512	0512	30.8		CHN	BC		A3E									6	
I	ROMA	13841.000	05	11	0832	0837	59.0	OTH RADAR	RUS	FX	20K0	PXX							48	A		
RUS	BELGOROD	13850.000	12	10	0630	0634	48.5		OMA	BC	9K60	A3E	059	E	27	21	N	58				
RUS	SMOLENSK	13850.000	12	10	0900	1000	25.0		CHN	BC	2K99	A3E	115	E	55	39	N	22	69	B		
RUS	ARKHANGELSK	13850.000	12	10	0940	0950	24.0	CRI	CHN	BC		A3E							83	B		
KOR	CRMS	13850.000	30	11	0710	0710	24.0		CHN	BC		A3E									6	
G	BALDOCK	13850.000	05	12	0455			?	E	BC		A3E							175	B		
KOR	CRMS	13850.000	28	12	0617	0617	24.6		CHN	BC		A3E									3	
RUS	BELGOROD	13855.000	12	10	1320	1350	70.0		CHN	BC	9K20	A3E	075	E	43	39	N	22				
INS	MSCK-TANGERANG	13860.000	08	10	0600	0630		R. FARDA	THA	BC	9K00E	A3E									-	
RUS	SMOLENSK	13860.000	12	10	0530	0630	15.0		THA	BC	2K99	A3E	102	E	27	17	N	38	95	B		
RUS	NOVOSIBIRSK	13860.000	12	10	0630	2100	12.0		THA	BC		A3E	103	E	09	17	N	39	150	A		
RUS	BELGOROD	13860.000	12	10	0634	0637	36.0		THA	BC	7K20	A3E	102	E	48	17	N	25				
J	TOKYO	13869.970	05	10	0623			SOUND OF HOPE		BC		A3E	126	E	22	33	N	21	263	B	11	KOR
J	TOKYO	13870.000	05	10	0623			CHINA N.R.		BC		A3E	102	E	19	25	N	11	263	A	11	
KOR	CRMS	13870.000	06	10	0019	0019	18.4		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	13870.000	08	10	0207	0209	43.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
INS	MSCK-TANGERANG	13870.000	08	10	0600	0630		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									-	
RUS	SLAVYANKA	13870.000	12	10	0525	0545	34.0		KRE	BC	4K56	A3E	125	E	38	39	N	34	235	A		
RUS	SMOLENSK	13870.000	12	10	0530	0630	12.0		CHN	BC	2K99	A3E	101	E	51	24	N	54	91	B		
RUS	ARKHANGELSK	13870.000	12	10	0950	1000	26.0		PHL	BC		A3E							94	B		
RUS	SAMARA	13870.000	12	10	1100	1200	21.0		PHL	BC	10K0	A3E							99			
RUS	BELGOROD	13870.000	12	10	1230	1250	26.0		PHL	BC	9K30	A3E	121	E	00	14	N	47				
RUS	S. PETERSBURG	13870.000	12	10	1630	1645	70.0		CHN	BC	11K4	A3E	075	E	56	39	N	32	105	B		
J	TOKYO	13870.000	24	10	2355							F1B							55	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	13870.000	04	11	1005			CHINA N.R.		BC		A3E									11	
KOR	CRMS	13870.000	11	11	0512	0512	20.0		CHN	BC		A3E									6	
KOR	CRMS	13870.000	23	11	0647	0647	54.4		CHN	BC		A3E									6	
J	TOKYO	13870.000	08	12	2358							F1B							54	A		
J	TOKYO	13870.000	21	12	1015			CHINA N.R.		BC		A3E	109	E	21	19	N	06	247	B	11	
J	TOKYO	13870.000	21	12	1059			FEBC PHILIPPINES		BC		A3E	120	E	53	14	N	22	224	B		
KOR	CRMS	13870.000	22	12	0032	0032	58.7		CHN	BC		A3E									6	
KOR	CRMS	13870.000	23	12	0451	0451	50.8		PHL	BC		A3E									6	
KOR	CRMS	13870.000	24	12	0617	0617	51.0		CHN	BC		A3E									3	
HNG	TARNOK	13870.001	21	12	0900	1400	37.5	SOH XI WANGZHI SHENG	CHN	BC	9K66	A3E										
J	TOKYO	13870.020	24	10	2356			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13870.040	08	12	2359			SOUND OF HOPE		BC		A3E									11	
RUS	BELGOROD	13882.430	12	10	1120	1122	54.1		D	FX	1K50	F1C	009	E	41	53	N	41				
I	ROMA	13882.500	05	11	0837	0838	63.0	DDK6	D	SM	1K50E	F1B							350	A		FAX 120 RPM
HNG	TARNOK	13882.500	21	12	0850	1230	15.9	DDK6	D	FX		F1C										
J	TOKYO	13889.970	05	10	0635			SOUND OF HOPE		BC		A3E	120	E	20	23	N	09	240	B	11	TAIWAN
J	TOKYO	13889.970	19	10	0144			SOUND OF HOPE		BC		A3E	121	E	27	24	N	42	241	B	11	TAIWAN
J	TOKYO	13889.980	25	10	0000			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13889.980	09	11	0818			SOUND OF HOPE		BC		A3E	120	E	58	23	N	37	240	B	11	TAIWAN
J	TOKYO	13889.990	04	11	1017			SOUND OF HOPE		BC		A3E	120	E	26	23	N	32	240	B	11	TAIWAN
J	TOKYO	13889.990	09	12	0003			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	13890.000	08	10	0209	0213	42.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
INS	MSCK-TANGERANG	13890.000	08	10	0600	0630		SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										-
KOR	CRMS	13890.000	10	10	0417	0417	-4.9		CHN	BC		A3E									11	
KOR	CRMS	13890.000	21	12	0630	0630	19.0		CHN	BC		A3E									11	
J	TOKYO	13890.000	21	12	1017			SOUND OF HOPE		BC		A3E	120	E	38	22	N	40	238	A	11	TAIWAN
J	TOKYO	13890.030	27	12	0757			SOUND OF HOPE		BC		A3E	120	E	27	23	N	17	240	B	11	TAIWAN
J	TOKYO	13897.720	25	11	0447								130	E	03	46	N	29	328	B		
J	TOKYO	13919.850	25	11	0449			CHINA N.R.		BC		A3E	128	E	37	47	N	48	327	B	11	
J	TOKYO	13919.940	05	10	0639			SOUND OF HOPE		BC		A3E	120	E	38	23	N	57	241	B	11	TAIWAN
J	TOKYO	13920.000	05	10	0640				CHN	BC		A3E	088	E	34	43	N	43	298	B		
KOR	CRMS	13920.000	05	10	0644	0644	29.5		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	13920.000	08	10	0213	0216	41.4	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
RUS	SLAVYANKA	13920.000	12	10	0105	0120	32.0		CHN	BC	5K50	A3E	121	E	17	23	N	17	206	A	11	
RUS	BELGOROD	13920.000	12	10	0637	0642	42.3		CHN	BC	7K30	A3E	116	E	27	39	N	57			11	
RUS	ARKHANGELSK	13920.000	12	10	1000	1010	24.0		CHN	BC		A3E							95	B		
J	TOKYO	13920.000	19	10	0145			CHINA N.R.		BC		A3E	119	E	24	26	N	00	248	B	11	
J	TOKYO	13920.000	25	10	0001			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	13920.000	28	10	0513	0513	40.5		CHN	BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	13920.000	04	11	0455	0455	13.9		CHN	BC		A3E									11	
J	TOKYO	13920.000	04	11	1019			CHINA N.R.		BC		A3E	108	E	44	18	N	57	247	B	11	
I	ROMA	13920.000	05	11	0903	0910	3.0	VMC	AUS	SM	1K50E	F1C										FAX 120 RPM
J	TOKYO	13920.000	09	11	0821			CHINA N.R.		BC		A3E	108	E	52	19	N	04	247	B	11	
J	TOKYO	13920.000	25	11	0500			SOUND OF HOPE		BC		A3E	121	E	29	25	N	05	242	A	11	TAIWAN
J	TOKYO	13920.000	02	12	0142			CHINA N.R.		BC		A3E	087	E	39	43	N	26	297	B	11	
J	TOKYO	13920.000	09	12	0005			CHINA N.R.		BC		A3E	011	E	38	36	N	58	280	A	11	
KOR	CRMS	13920.000	10	12	0714	0714	22.0		CHN	BC		A3E									6	
HNG	TARNOK	13920.000	21	12	0900	1000	26.8	SOH XI WANGZHI SHENG	CHN	BC	9K94	A3E										
J	TOKYO	13920.000	21	12	1020			VMC				F3C							173	A		
G	BALDOCK	13920.000	24	12	0720			SOH XI WANG ZHI CHENG	CHN	BC		A3E							55	A		MIAOLI TX SITE
J	TOKYO	13920.000	27	12	0805			CHINA N.R.		BC		A3E	119	E	23	26	N	08	247	A	11	
KOR	CRMS	13920.000	29	12	0020	0020	46.4		CHN	BC		A3E									3	
J	TOKYO	13920.030	09	12	0005			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13920.030	27	12	0903			SOUND OF HOPE		BC		A3E	121	E	11	25	N	05	242	B	11	TAIWAN
J	TOKYO	13959.900	27	12	0810			SOUND OF HOPE		BC		A3E	120	E	36	23	N	23	240	B	11	TAIWAN
J	TOKYO	13959.990	05	10	0644			SOUND OF HOPE		BC		A3E	121	E	32	24	N	05	240	A	11	TAIWAN
J	TOKYO	13959.990	25	10	0003			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13959.990	04	11	1024					BC		A3E							235	D		
INS	MSPA-SAMARINDA	13960.000	08	10	0216	0220	40.6	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	13960.000	09	11	0823			SOUND OF HOPE		BC		A3E	121	E	25	24	N	33	241	B	11	TAIWAN
J	TOKYO	13960.000	25	11	0506			SOUND OF HOPE		BC		A3E	120	E	24	23	N	26	240	B	11	TAIWAN
J	TOKYO	13960.000	09	12	0008			SOUND OF HOPE		BC		A3E									11	
HNG	TARNOK	13970.000	21	12	1112	1132	46.5				20K0	G1D										OTHR
INS	MSCK-TANGERANG	13973.150	08	10	0300	0330		Unknown		FX	3K00E	J3E										-
J	TOKYO	13974.000	02	12	0148				CHN			H3E	120	E	38	23	N	48	241	B		
J	TOKYO	13979.780	05	10	0644			SOUND OF HOPE		BC		A3E	106	E	05	48	N	31	308	A	11	MNG
J	TOKYO	13979.780	09	11	0824			SOUND OF HOPE		BC		A3E	106	E	07	48	N	16	307	B	11	MNG
J	TOKYO	13979.800	25	10	0004			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13979.810	25	11	0502				MNG	BC		A3E	106	E	56	42	N	02	307	A		
INS	MSPA-SAMARINDA	13980.000	08	10	0220	0224	42.4	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
RUS	SLAVYANKA	13980.000	12	10	0635	0650	35.0		MNG	BC	7K45	A3E	106	E	04	47	N	39	294	A	11	
RUS	SMOLENSK	13980.000	12	10	0900	1000	23.0		CHN	BC	2K99	A3E	109	E	51	18	N	33	89	B		
KOR	CRMS	13980.000	22	10	0632	0632	26.0		CHN	BC		A3E									11	
KOR	CRMS	13980.000	26	11	0621	0621	12.5		CHN	BC		A3E									11	
KOR	CRMS	13980.000	29	12	0021	0021	27.8		CHN	BC		A3E									6	
J	TOKYO	13985.000	09	11	0827				RUS			F1B	085	E	05	54	N	49	315	A		
G	BALDOCK	13985.000	24	12	0715			?	RUS	FX		F1B							55	A		
J	TOKYO	13985.000	27	12	0815				RUS			F1B	082	E	56	54	N	58	315	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	13996.000	27	12	0823				CHN			A1A	128	E	40	46	N	35	321	A		
RUS	SMOLENSK	14009.500	12	10	0530	0630	7.0		CHN	AT	2K99	A1A	102	E	07	29	N	50	87	B		
J	TOKYO	14059.550	25	10	0011				RUS				137	E	26	50	N	08	352	A		
INS	MSCK-TANGERANG	14063.520	07	10	0600	0630		Unknown		FX	3K00E	H3E										-
RUS	SMOLENSK	14076.300	11	10	0800	0900	17.0		J	AT	2K98	J3E	138	E	21	35	N	30	56	B		
J	TOKYO	14097.650	25	10	0012				RUS				137	E	13	49	N	38	352	A		
G	BALDOCK	14100.000	03	12	1501			4U1UN (NEW YORK)	USA	AT		A1A							289	A		PROPAGATION BEACON
G	BALDOCK	14100.000	03	12	1510			CS3B (SANTO DE SERRA)	POR	AT		A1A							221	A		PROPAGATION BEACON
G	BALDOCK	14100.000	03	12	1520			OH2B (LOHJA)	FIN	AT		A1A	022	E	54	59	N	58	49	A		PROPAGATION BEACON
G	BALDOCK	14100.000	03	12	1520			5Z4B (KARIOBANGI)	KEN	AT		A1A							136	B		PROPAGATION BEACON
G	BALDOCK	14100.000	03	12	1522			VK6RBP (ROLYSTONE)	AUS	AT		A1A							95	B		PROPAGATION BEACON
G	BALDOCK	14100.000	03	12	1523			4X6TU (TEL AVIV)	ISR	AT		A1A							115	A		PROPAGATION BEACON
G	BALDOCK	14100.000	04	12	0822			RR9O (NOVOSIBIRSK)	RUS	AT		A1A							55	A		PROPAGATION BEACON
J	TOKYO	14135.750	25	10	0013				RUS				137	E	16	49	N	41	352	A		
RUS	SMOLENSK	14160.000	11	10	0600	0700	6.0		KAZ	AT	2K99	J3E	066	E	19	51	N	53	84	B		
RUS	MOROZOVSK	14160.000	11	10	0700	0715	16.0		KAZ	AT	3K00	J3E	063	E	51	53	S	12	62	B		
RUS	MOROZOVSK	14160.000	11	10	0715	0730	11.0		KAZ	AT	3K00	J3E	077	E	17	43	N	18	88	C		
RUS	SMOLENSK	14170.000	11	10	0600	0700	6.0		GRC	AT	2K99	J3E	023	E	07	37	N	57	203	B		
J	TOKYO	14173.750	25	10	0017				RUS				137	E	21	49	N	40	352	A		
INS	MSCK-TANGERANG	14186.100	07	10	0230	0300		Unknown		FX	3K00E	J3E										-
J	TOKYO	14200.000	19	10	0151				CHN			J2B	119	E	12	31	N	16	261	B		
J	TOKYO	14201.700	25	10	0020							A1A										
I	ROMA	14230.000	21	10	1456	1457	25.0	G0***	G	AT	2K70E	J3E							319	A		SSTV
I	ROMA	14230.000	21	10	1503	1504	9.0	F4***	F	AT	2K70E	J3E										SSTV
I	ROMA	14230.000	21	10	1505	1506	18.0	M3***	G	AT	2K70E	J3E							321	A		SSTV
I	ROMA	14230.000	22	10	1302	1304	37.0	PD2**	HOL	AT	2K70E	J3E										SSTV
I	ROMA	14230.000	07	11	1710	1711	10.0	ON1**	BEL	AT	2K70E	J3E										SSTV
I	ROMA	14230.000	07	11	1721	1722	26.0	F4***	F	AT	2K70E	J3E										SSTV
I	ROMA	14230.000	07	11	1751	1752	24.0	HA9**	HNG	AT	2K70E	J3E										SSTV
RUS	SMOLENSK	14255.000	08	10	0730	0830	6.0		F	AT	2K99	J3E	001	E	03	44	N	59	256	B		
RUS	SMOLENSK	14273.000	08	10	0630	0730	7.0		KOR	AT	2K99	J3E	126	E	57	36	N	22	63	B		
INS	MSCK-TANGERANG	14273.140	06	10	0600	0630		Unknown		FX	3K00E	J3E										-
RUS	SMOLENSK	14286.000	08	10	0730	0830	6.0		GRC	AT	2K99	J3E	021	E	15	38	N	40	209	B		
J	TOKYO	14356.500	04	11	1042				AUS				130	E	46	13	S	17	191	B		
J	TOKYO	14356.700	25	10	0026				AUS				130	E	51	13	S	31	192	A		
J	TOKYO	14356.900	05	10	0651				AUS			J2B	129	E	29	15	S	00	193	B		
J	TOKYO	14369.880	05	10	0654			SOUND OF HOPE		BC		A3E	120	E	48	23	N	39	240	B	11	TAIWAN
J	TOKYO	14369.890	04	11	1044					BC		A3E							238	C		
J	TOKYO	14369.900	12	10	0459			SOUND OF HOPE		BC		A3E	120	E	54	22	N	54	238	B	11	TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	14369.900	25	10	0027			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14369.900	09	11	0833			SOUND OF HOPE		BC		A3E	121	E	00	23	N	05	238	A	11	TAIWAN
J	TOKYO	14369.910	21	12	1024			SOUND OF HOPE		BC		A3E	120	E	45	22	N	22	237	A	11	TAIWAN
J	TOKYO	14369.930	09	12	0015			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14369.940	27	12	0833			SOUND OF HOPE		BC		A3E	120	E	11	23	N	02	240	B	11	TAIWAN
INS	MSPA-SAMARINDA	14370.000	06	10	0040	0050	43.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
RUS	SMOLENSK	14375.000	08	10	0730	0830	5.0		J	AT	2K99	F1B	138	E	54	35	N	20	56	B		
J	TOKYO	14386.500	04	11	1049				AUS				131	E	14	13	S	47	191	B		
INS	MSCK-TANGERANG	14391.250	06	10	0200	0230		Unknown		FX	3K00E	J3E										-
J	TOKYO	14391.700	09	12	0020														313	A		
J	TOKYO	14391.800	09	11	0836							J2B							155	C		
I	ROMA	14395.000	10	11	1324	1329	29.0	OTH RADAR	CYP	FX	20K0E	PXX							107	A		
I	ROMA	14411.000	10	11	1343	1344	12.0	1414BEBE952	RUS	FX	300HE	F1B							41	A		50 BD T600
HNG	TARNOK	14411.000	23	12	0720	0728	46.5				800H	F1B										250HZ 100BD
J	TOKYO	14429.880	05	10	0657			R. FREE ASIA		BC		A3E	120	E	35	22	N	54	239	A	11	TAIWAN
J	TOKYO	14429.890	12	10	0505				CHN	BC		A3E	121	E	22	23	N	06	238	B		TAIWAN
J	TOKYO	14429.940	02	12	0202			SOUND OF HOPE		BC		A3E	121	E	15	24	N	08	240	B	11	TAIWAN
KOR	CRMS	14430.000	06	10	0920	0920	26.8		CHN	BC		A3E									11	
RUS	SMOLENSK	14430.000	08	10	0630	0730	6.0		CHN	BC	2K99	A3E	120	E	26	22	N	58	77	B	11	
RUS	MOROZOVSK	14430.000	08	10	0630	0645	8.0		CHN	FX	3K00	A3E	115	E	48	38	N	41	71	C		
RUS	BELGOROD	14430.000	08	10	0638	0643	35.4		CYP	LR	23K6		032	E	56	34	N	37				
RUS	S. PETERSBURG	14430.000	08	10	1140	1200	30.0		CHN	BC		A3E							56	C		
J	TOKYO	14430.000	12	10	0505			CHINA N.R.		BC		A3E	114	E	04	34	N	38	275	B	11	
KOR	CRMS	14430.000	26	10	0743	0743	40.3		CHN	BC		A3E									6	
KOR	CRMS	14430.000	01	11	0427	0427	31.1		CHN	BC		A3E									11	
J	TOKYO	14430.000	09	11	0839			CHINA N.R.		BC		A3E	108	E	59	18	N	50	247	B	11	
J	TOKYO	14430.000	25	11	0523			CHINA N.R.		BC		A3E	108	E	34	18	N	54	247	B	11	
KOR	CRMS	14430.000	07	12	0420	0420	11.0		CHN	BC		A3E									6	
HNG	TARNOK	14430.000	23	12	0815	1230	29.0	RFA		BC	9K87	A3E									10	
J	TOKYO	14430.010	27	12	0837			CHINA N.R.		BC		A3E							247	C	11	
J	TOKYO	14430.020	19	10	0208			CHINA N.R.		BC		A3E	124	E	09	47	N	00	318	B	11	
J	TOKYO	14434.300	25	10	0029							F1B							88	A		
J	TOKYO	14434.300	09	12	0023							F1B							88	A		
I	ROMA	14441.000	10	11	1329	1334	18.0			FX	2K70E	J2D							205	A		
RUS	BELGOROD	14467.300	07	10	0610	0613	35.3	DDH8	D	FX	500H	F1B	009	E	26	53	N	48				
RUS	SMOLENSK	14467.300	07	10	0730	0830	33.0		D	FX	648H	F1B	009	E	41	53	N	41	274	B		
I	ROMA	14467.300	10	11	1336	1337	28.0	DDH 8	D	FX	500HE	F1B							351	A		50 BD
HNG	TARNOK	14467.300	23	12	0900	1000	14.8				800H	F1B										450HZ 100BD
I	ROMA	14467.300	23	12	1122	1123	31.0	DDH 8	D	FX	500HE	F1B							351	A		50 BD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
INS	MSPA-SAMARINDA	14500.000	05	10	0013	0016	40.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	14500.000	05	10	0705				RUS			F1B	043	E	07	55	N	48	322	B		
RUS	SMOLENSK	14500.000	07	10	0530	0630	23.0		CHN	BC	2K98	A3E	087	E	30	43	N	27	84	B	11	
HNG	TARNOK	14500.000	23	12	0830	0930	38.4				750H	F1B										450HZ 100BD
J	TOKYO	14500.000	27	12	0845				CHN			F1B	124	E	19	47	N	41	320	A		
J	TOKYO	14500.010	09	11	0844				RUS			F1B	063	E	02	57	N	00	319	B		
J	TOKYO	14509.000	25	11	0527				RUS				133	E	38	50	N	48	344	B		
J	TOKYO	14530.000	12	10	0520				CHN				113	E	44	34	N	20	275	A		
RUS	SMOLENSK	14550.000	07	10	0730	0830	6.0		CYP	FX	2K99	J7D	032	E	35	34	N	45	178	B		
I	ROMA	14550.000	10	11	1340	1341	16.0		CYP	FX	3K00E	G1D							107	A		STANAG 4285
J	TOKYO	14559.820	19	10	0213			SOUND OF HOPE		BC		A3E	128	E	24	35	N	31	273	B	11	KOR
J	TOKYO	14559.900	02	12	0206			SOUND OF HOPE		BC		A3E	129	E	08	36	N	03	276	B	11	KOR
INS	MSPA-SAMARINDA	14560.000	05	10	0016	0020	41.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
INS	MSKH-KUPANG	14560.000	05	10	0406	0409	17.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
J	TOKYO	14560.000	05	10	0705			CHINA N.R.		BC		A3E	119	E	49	28	N	03	252	B	11	
KOR	CRMS	14560.000	06	10	0920	0920	7.2		CHN	BC		A3E									11	
RUS	BELGOROD	14560.000	07	10	0650	0655	33.2		CHN	BC	8K90	A3E	120	E	38	23	N	20			11	
J	TOKYO	14560.000	12	10	0524			CHINA N.R.		BC		A3E	117	E	34	39	N	40	275	A	11	
J	TOKYO	14560.000	25	10	0033			CHINA N.R.		BC		A3E	109	E	04	19	N	18	247	A	11	
KOR	CRMS	14560.000	26	10	0743	0743	50.2		CHN	BC		A3E									6	
KOR	CRMS	14560.000	03	11	0057	0057	9.3		CHN	BC		A3E									11	
J	TOKYO	14560.000	09	11	0849			CHINA N.R.		BC		A3E	108	E	59	19	N	21	248	A	11	
J	TOKYO	14560.000	25	11	0530			CHINA N.R.		BC		A3E	119	E	08	26	N	14	248	A	11	
KOR	CRMS	14560.000	01	12	0128	0128	34.0		CHN	BC		A3E									11	
J	TOKYO	14560.000	09	12	0027			CHINA N.R.		BC		A3E	108	E	49	19	N	04	247	A	11	
KOR	CRMS	14560.000	27	12	0421	0421	57.2		USA	BC		A3E									11	
J	TOKYO	14560.000	27	12	0849			CHINA N.R.		BC		A3E	119	E	20	26	N	17	249	B	11	
INS	MSCK-TANGERANG	14562.650	05	10	0330	0400		Unknown		FX	3K00E	J3E										-
INS	MSPA-SAMARINDA	14580.000	05	10	0020	0024	40.7	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
INS	MSKH-KUPANG	14580.000	05	10	0409	0411	15.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
J	TOKYO	14580.210	25	10	0034			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14580.210	25	11	0536			SOUND OF HOPE		BC		A3E	128	E	43	35	N	36	274	A	11	KOR
J	TOKYO	14580.230	02	12	0210			SOUND OF HOPE		BC		A3E	128	E	56	35	N	47	274	A	11	KOR
I	ROMA	14586.000	10	11	1345	1401	28.0			FX	3K00E	G1D							347	A		STANAG 4285
KOR	CRMS	14600.000	27	10	0049	0049	17.7		CHN	BC		A3E									11	
HNG	TARNOK	14629.300	25	12	0650	0833	9.4				3K00E	G1D										STANAG4285
HNG	TARNOK	14632.800	25	12	0650	0833	8.3				3K00E	G1D										STANAG4285
J	TOKYO	14634.880	05	10	0710			SOUND OF HOPE		BC		A3E	120	E	45	22	N	52	238	B	11	TAIWAN
J	TOKYO	14634.920	25	10	0036			SOUND OF HOPE		BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	14634.930	25	11	0542			SOUND OF HOPE		BC		A3E	120	E	28	23	N	11	239	B	11	TAIWAN
J	TOKYO	14634.940	09	11	0851			SOUND OF HOPE		BC		A3E	120	E	38	22	N	42	238	B	11	TAIWAN
J	TOKYO	14634.960	21	12	1039			SOUND OF HOPE		BC		A3E	120	E	53	22	N	24	237	A	11	TAIWAN
INS	MSPA-SAMARINDA	14635.000	05	10	0024	0030	42.2	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
INS	MSKH-KUPANG	14635.000	05	10	0411	0414	22.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
KOR	CRMS	14640.000	28	10	0513	0513	13.1		CHN	BC		A3E									11	
I	ROMA	14670.000	10	11	1404	1406	16.0	CHU	CAN	SS	3K00E	H3E							303	A		
INS	MSPA-SAMARINDA	14690.000	04	10	0310	0315	41.4	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	14690.040	05	10	0713			SOUND OF HOPE		BC		A3E	121	E	15	24	N	51	242	A	11	TAIWAN
J	TOKYO	14690.040	12	10	0534			SOUND OF HOPE		BC		A3E	120	E	54	23	N	38	240	B	11	TAIWAN
J	TOKYO	14690.050	25	10	0037			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14690.050	04	11	1110					BC		A3E							240	D		
J	TOKYO	14690.050	09	11	0852			SOUND OF HOPE		BC		A3E	120	E	28	23	N	21	240	B	11	TAIWAN
J	TOKYO	14690.060	02	12	0213			SOUND OF HOPE		BC		A3E	121	E	27	24	N	44	241	B	11	TAIWAN
J	TOKYO	14690.060	09	12	0031			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14690.060	21	12	1044			SOUND OF HOPE		BC		A3E	120	E	31	23	N	21	240	A	11	TAIWAN
INS	MSCK-TANGERANG	14720.550	04	10	0530	0600		Unknown		FX	3K00E	J3E										-
RUS	BELGOROD	14724.000	06	10	0720	0721	30.5		F		2K80		002	E	06	43	N	23				
RUS	SMOLENSK	14724.020	06	10	0600	0700	5.0		E	FX	2K99	J7D	002	W	10	40	N	13	251	B		
INS	MSPA-SAMARINDA	14725.000	04	10	0315	0320	40.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	14761.800	09	11	0854				AUS			J2B	145	E	41	20	S	12	174	A		
J	TOKYO	14770.800	09	11	0856				USA			J2B	144	E	43	13	N	23	169	A		GUM
J	TOKYO	14774.680	05	10	0715			SOUND OF HOPE		BC		A3E	121	E	25	24	N	49	241	A	11	TAIWAN
J	TOKYO	14774.690	25	10	0039			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14774.690	09	11	0859			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14774.690	02	12	0218			SOUND OF HOPE		BC		A3E	121	E	12	23	N	12	238	A	11	TAIWAN
RUS	SMOLENSK	14774.800	06	10	1408	1508	23.0		CHN	BC	2K18	A3E	118	E	50	24	N	49	78	B	11	
INS	MSPA-SAMARINDA	14775.000	04	10	0320	0323	41.2	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
KOR	CRMS	14775.000	28	10	0513	0513	25.2		CHN	BC		A3E									11	
KOR	CRMS	14775.000	31	10	0413	0413	21.9		CHN	BC		A3E									11	
KOR	CRMS	14775.000	23	11	0648	0648	25.0		CHN	BC		A3E									11	
KOR	CRMS	14775.000	22	12	0032	0032	20.4		CHN	BC		A3E									11	
RUS	SMOLENSK	14785.000	06	10	1420	1520	6.0		G	FX	2K99	J7D	000	W	08	53	N	53	282	B		
J	TOKYO	14789.000	05	10	0717				RUS			J2D	049	E	25	57	N	06	325	B		
INS	MSPA-SAMARINDA	14800.000	04	10	0323	0325	40.3	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
INS	MSPA-SAMARINDA	14820.000	04	10	0325	0328	41.8	SOH XI WANG ZHI SHENG		BC	9K00E	A3E									11	TAIWAN
J	TOKYO	14820.040	12	10	0538			SOUND OF HOPE		BC		A3E	126	E	30	33	N	25	264	B	11	TAIWAN
J	TOKYO	14820.070	25	10	0043			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14820.080	19	10	0220			SOUND OF HOPE		BC		A3E	126	E	46	33	N	25	263	A	11	KOR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	14820.080	25	11	0547			SOUND OF HOPE		BC		A3E	126	E	34	33	N	15	262	A	11	KOR
J	TOKYO	14820.090	09	11	0901			SOUND OF HOPE		BC		A3E	126	E	47	33	N	29	263	B	11	KOR
J	TOKYO	14840.200	05	10	0720				INS			J2B	121	E	18	02	S	24	209	A		
KOR	CRMS	14850.000	10	12	0715	0715	0.3		CHN	BC		A3E									6	
J	TOKYO	14850.010	21	12	1046			SOUND OF HOPE		BC		A3E	120	E	53	22	N	24	237	A	11	TAIWAN
J	TOKYO	14850.050	27	12	0916			SOUND OF HOPE		BC		A3E	121	E	40	25	N	05	241	B	11	TAIWAN
KOR	CRMS	14870.000	22	10	0632	0632	14.1		CHN	BC		A3E									11	
KOR	CRMS	14870.000	28	10	0514	0514	22.6		CHN	BC		A3E									11	
KOR	CRMS	14870.000	25	11	0435	0435	20.7		CHN	BC		A3E									11	
KOR	CRMS	14870.000	22	12	0033	0033	23.2		CHN	BC		A3E									6	
J	TOKYO	14870.120	12	10	0543			SOUND OF HOPE		BC		A3E	121	E	09	23	N	48	240	B	11	TAIWAN
J	TOKYO	14870.120	25	10	0044			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14870.120	09	12	0033			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14870.130	05	10	0723			SOUND OF HOPE		BC		A3E	120	E	55	23	N	39	240	B	11	TAIWAN
J	TOKYO	14872.200	09	11	0906				AUS			J2B	145	E	36	37	S	46	175	A		
J	TOKYO	14875.800	09	11	0907				AUS			J2B	145	E	34	36	S	59	175	A		
J	TOKYO	14887.400	05	10	0725				USA			F1B	144	E	48	13	N	30	168	A		GUM
J	TOKYO	14887.400	25	10	0045				USA			F1B	144	E	48	13	N	30	169	A		GUM
J	TOKYO	14887.400	25	11	0552				USA			F1B	144	E	34	13	N	20	169	A		GUM
J	TOKYO	14887.400	02	12	0224				USA			F1B	144	E	31	13	N	27	169	B		GUM
J	TOKYO	14887.400	09	12	0036				USA			F1B	144	E	42	13	N	21	169	B		GUM
HNG	TARNOK	14899.998	27	12	0600	0800	18.0	SOH RELY RFA		BC	11K7	A3E										
RUS	NOVOSIBIRSK	14900.000	05	10	0130	0200	26.0		CHN	BC		A3E	110	E	15	19	N	02	139	A	11	
RUS	SMOLENSK	14900.000	05	10	0530	0630	9.0		CHN	BC	2K98	A3E	108	E	48	18	N	28	90	B	11	
RUS	BELGOROD	14900.000	05	10	0615	0617	17.4		CHN	BC	5K60	A3E	120	E	38	23	N	20			11	
J	TOKYO	14900.000	05	10	0727			CHINA N.R.		BC		A3E	108	E	49	18	N	45	247	A	11	
RUS	NYAGAN	14900.000	05	10	0810	0820	31.0		VTN		9K77	A3E	108	E	15	14	N	25	128	A		
KOR	CRMS	14900.000	06	10	0921	0921	15.2		CHN	BC		A3E									11	
J	TOKYO	14900.000	12	10	0547			CHINA N.R.		BC		A3E	117	E	09	39	N	48	290	A	11	
KOR	CRMS	14900.000	26	10	0744	0744	57.1		CHN	BC		A3E									6	
KOR	CRMS	14900.000	02	11	0807	0807	25.4		CHN	BC		A3E									11	
KOR	CRMS	14900.000	04	11	0456	0456	26.6		CHN	BC		A3E									11	
J	TOKYO	14900.000	04	11	1044				CHN	BC		A3E	108	E	53	18	N	54	247	B		
J	TOKYO	14900.000	25	11	0556			CHINA N.R.		BC		A3E	110	E	38	36	N	42	281	B	11	
KOR	CRMS	14900.000	01	12	0128	0128	19.4		CHN	BC		A3E									11	
J	TOKYO	14900.000	02	12	0231			CHINA N.R.		BC		A3E	109	E	19	19	N	27	247	B	11	
J	TOKYO	14900.000	27	12	0920			CHINA N.R.		BC		A3E	108	E	30	19	N	15	248	A	11	
RUS	S. PETERSBURG	14900.003	05	10	0615	0630	35.0		CHN	BC		A3E	113	E	53	34	N	36	76	B		
J	TOKYO	14900.010	19	10	0226			CHINA N.R.		BC		A3E	108	E	52	19	N	04	247	A	11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	14900.010	09	11	0911			CHINA N.R.		BC		A3E	108	E	57	18	N	57	247	A	11	
RUS	S. PETERSBURG	14919.996	05	10	0630	0645	32.0		CHN	BC		A3E	118	E	46	24	N	57	78	B		
RUS	NOVOSIBIRSK	14920.000	05	10	0200	0230	31.0		CHN	BC	15K1	A3E	109	E	44	18	N	31	140	A	11	
KOR	CRMS	14920.000	05	10	0645	0645	18.5		CHN	BC		A3E									11	
J	TOKYO	14920.000	05	10	0729			CHINA N.R.		BC		A3E	108	E	57	18	N	59	247	B	11	
RUS	NYAGAN	14920.000	05	10	0810	0820	35.0		VTN		11K8	A3E	107	E	51	16	N	06	127	A		
RUS	BELGOROD	14920.000	05	10	0852	0853	11.9		CHN	BC	7K10	A3E	120	E	47	24	N	33			11	
J	TOKYO	14920.000	12	10	0549			CHINA N.R.		BC		A3E	117	E	34	25	N	55	250	A	11	
J	TOKYO	14920.000	19	10	0230			CHINA N.R.		BC		A3E	113	E	39	23	N	05	249	A	11	
J	TOKYO	14920.000	25	10	0046			CHINA N.R.		BC		A3E	087	E	24	43	N	52	298	A	11	
KOR	CRMS	14920.000	26	10	0744	0744	56.6		CHN	BC		A3E									6	
KOR	CRMS	14920.000	04	11	0457	0457	20.9		CHN	BC		A3E									11	
J	TOKYO	14920.000	04	11	1122				CHN	BC		A3E	108	E	53	18	N	54	247	B		
J	TOKYO	14920.000	09	11	0913			CHINA N.R.		BC		A3E	087	E	19	43	N	46	298	B	11	
J	TOKYO	14920.000	25	11	0559			CHINA N.R.		BC		A3E									11	
J	TOKYO	14920.000	02	12	0236			CHINA N.R.		BC		A3E	119	E	34	26	N	00	247	A	11	
KOR	CRMS	14920.000	03	12	0742	0742	16.2		CHN	BC	6K88E	A3E									11	
J	TOKYO	14920.000	09	12	0041			CHINA N.R.		BC		A3E							245	A	11	
J	TOKYO	14920.000	21	12	1049				CHN	BC		A3E	109	E	16	19	N	13	247	A		
HNG	TARNOK	14920.001	27	12	0600	1430	32.9	SOH XI WANG		BC	11K7	A3E										
J	TOKYO	14920.040	27	12	0928			SOUND OF HOPE		BC		A3E	121	E	27	24	N	59	242	A	11	TAIWAN
RUS	SMOLENSK	14927.980	05	10	0530	0630	21.0		CYP	FX	2K98	J7D	032	E	55	34	N	51	178	B		
J	TOKYO	14939.930	05	10	0731			SOUND OF HOPE		BC		A3E	120	E	38	23	N	32	240	B	11	TAIWAN
J	TOKYO	14939.930	12	10	0552			SOUND OF HOPE		BC		A3E	121	E	39	24	N	16	240	B	11	TAIWAN
J	TOKYO	14939.950	25	10	0048			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14939.990	27	12	0931			SOUND OF HOPE		BC		A3E	121	E	46	24	N	47	241	A	11	TAIWAN
G	BALDOCK	14949.000	31	12	1258			RUSSIAN PULSE	RUS	LR		P0N							70	A		
J	TOKYO	14954.950	05	10	0733				RUS			J2D	081	E	52	58	N	19	320	B		
J	TOKYO	14979.910	09	11	0915			SOUND OF HOPE		BC		A3E	120	E	55	24	N	31	242	B	11	TAIWAN
RUS	NOVOSIBIRSK	14980.000	05	10	0230	0300	5.0		CHN	BC		A3E	087	E	19	43	N	49	164	A	11	
RUS	SMOLENSK	14980.000	05	10	0530	0630	10.0		CHN	BC	2K97	A3E	108	E	54	18	N	57	90	B	11	
KOR	CRMS	14980.000	05	10	0645	0645	13.4		CHN	BC		A3E									11	
J	TOKYO	14980.000	05	10	0735			CHINA N.R.		BC		A3E	109	E	04	18	N	58	247	B	11	
J	TOKYO	14980.000	19	10	0238			CHINA N.R.		BC		A3E	108	E	44	19	N	01	247	A	11	
J	TOKYO	14980.000	25	10	0049			CHINA N.R.		BC		A3E	108	E	52	18	N	59	247	A	11	
KOR	CRMS	14980.000	01	11	0427	0427	15.2		CHN	BC		A3E									11	
J	TOKYO	14980.000	04	11	1124					BC		A3E							300	C		
J	TOKYO	14980.000	02	12	0241			CHINA N.R.		BC		A3E	108	E	54	18	N	59	247	A	11	
J	TOKYO	14980.000	09	12	0042			CHINA N.R.		BC		A3E	108	E	44	18	N	59	247	A	11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	14980.000	10	12	0018	0018	15.8		CHN	BC		A3E									11	
J	TOKYO	14980.000	27	12	0934			CHINA N.R.		BC		A3E	108	E	40	19	N	00	247	A	11	
HNG	TARNOK	14980.000	29	12	0700	1500	15.6	SOH	CHN	BC	9K90	A3E									11	
RUS	S. PETERSBURG	14980.009	05	10	0820	0830	21.0		CHN	BC		A3E	108	E	58	18	N	31	90	B		
I	ROMA	14996.000	10	11	1413	1414	7.0	RWM	RUS	SS	100HE	A1A							38	A		
RUS	S. PETERSBURG	15000.000	05	10	0645	0655	20.0		CHN	SS		A1A	108	E	57	34	N	11	80	B		
J	TOKYO	15000.000	05	10	0737			BPM		SS		AXW	109	E	02	34	N	00	275	B		
J	TOKYO	15000.000	05	10	0745			BPM		SS		AXW										
RUS	BELGOROD	15000.000	05	10	0814	0816	45.7	BPM	CHN	SS	40H0	A9W	108	E	55	34	N	15				
J	TOKYO	15000.000	12	10	0429			BPM		SS		AXW										
J	TOKYO	15000.000	12	10	0429			WWVH		SS		AXW										
J	TOKYO	15000.000	12	10	0600			BPM		SS		AXW	108	E	10	35	N	45	280	A		
J	TOKYO	15000.000	12	10	0600			WWVH		SS		AXW							87	B		
J	TOKYO	15000.000	19	10	0420			WWVH		SS		AXW							87	C		
J	TOKYO	15000.000	19	10	0420			BPM		SS		AXW							277	C		
J	TOKYO	15000.000	25	10	0053			BPM		SS		AXW										
J	TOKYO	15000.000	25	10	0133			WWVH		SS		AXW							87	C		
J	TOKYO	15000.000	25	10	0133			BPM		SS		AXW										
J	TOKYO	15000.000	03	11	2345			WWVH		SS		AXW										
J	TOKYO	15000.000	03	11	2345			BPM		SS		AXW										
I	ROMA	15000.000	10	11	1410	1412	20.0	WWV	USA	SS	3K00E	A3E							313	A		
J	TOKYO	15000.000	16	11	0745			BPM		SS		AXW										
J	TOKYO	15000.000	16	11	0745			WWVH		SS		AXW										
J	TOKYO	15000.000	25	11	0429			BPM		SS		AXW										
J	TOKYO	15000.000	25	11	0629			BPM		SS		AXW										
J	TOKYO	15000.000	02	12	0429			WWVH		SS		AXW										
J	TOKYO	15000.000	02	12	0429			BPM		SS		AXW										
J	TOKYO	15000.000	09	12	0043			BPM		SS		AXW										
J	TOKYO	15000.000	09	12	0043			WWVH		SS		AXW										
J	TOKYO	15000.000	09	12	0130			WWVH		SS		AXW										
J	TOKYO	15000.000	09	12	0130			BPM		SS		AXW										
J	TOKYO	15000.000	20	12	2358			WWVH		SS		AXW										
J	TOKYO	15000.000	20	12	2359			BPM		SS		AXW										
J	TOKYO	15000.000	27	12	0759			BPM		SS		AXW										
I	ROMA	15016.000	20	12	1600	1604	12.0	STATION NUMBER		FX	3K10E	J3E									IN ENGLISH	
HNG	TARNOK	15020.000	29	12	1230	1630	18.4				10K0	G1D									OTHR	
J	TOKYO	15025.000	05	10	0746				RUS			A1A	039	E	10	56	N	00	323	B		
I	ROMA	15025.000	10	11	1546	1548	18.0	003 REYKJAVIK CH 2	ISL	FA	3K00E	J2D							331		HFDL 1800 BD	
RUS	NYAGAN	15030.000	05	10	0815	0826	44.0		IND		9K55	A3E	077	E	54	09	N	57	164	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	15030.000	05	10	1257	1310	40.7		IND	BC	9K10	A3E	077	E	43	13	N	47			11	
KOR	CRMS	15030.000	21	10	0422	0422	23.4		IND	BC		A3E									11	
KOR	CRMS	15030.000	27	12	0422	0422	37.9		CHN	BC		A3E									3	
HNG	TARNOK	15030.000	29	12	1212	1300	35.7				10K0	G1D										OTHR
RUS	S. PETERSBURG	15030.004	05	10	0800	0815	39.0		IND	BC	16K6	A3E	077	E	19	12	N	42	123	B		
HNG	TARNOK	15030.006	29	12	0500	0600	38.6	AIR	IND	BC	9K35	A3E									11	
J	TOKYO	15030.010	02	12	0420					BC		A3E							263	C		
I	ROMA	15034.000	10	11	1549	1552	5.0	CHR TRENTON	CAN	FA	2K70E	J3E							304	B		VOLMET
I	ROMA	15034.000	20	12	1710	1712	12.0	TRENTON MILITARY	CAN	FA	2K70E	J3E										VOLMET
HNG	TARNOK	15034.000	29	12	1100	1208	25.0				10K0	G1D										OTHR
I	ROMA	15037.000	20	12	1705	1705	10.0	BFG / RHV		FX	3K10E	J2D										141A(ALE)
RUS	NYAGAN	15090.000	04	10	0439	0441	42.0		ARS		1K48	A3E	046	E	34	26	N	13	208	A		
RUS	SAMARA	15090.000	04	10	0530	0630	25.0		KWT	BC	10K0	A3E	047	E	15	29	N	18	188	A		
RUS	BELGOROD	15090.000	04	10	0740	0745	36.0		KWT	BC	9K70	A3E	047	E	40	29	N	30			11	
RUS	SMOLENSK	15090.000	04	10	1000	1100	19.0		KWT	BC	2K98	A3E	047	E	31	29	N	08	150	B	11	
J	TOKYO	15090.000	05	10	0749					BC		A3E							296	C		
J	TOKYO	15090.000	12	10	0603					BC		A3E							295	C		
HNG	TARNOK	15090.000	29	12	1420	1500	44.8				20K0	G1D										OTHR
RUS	SLAVYANKA	15100.000	04	10	0052	0100	38.0		CHN	BC	5K26	A3E	116	E	07	39	N	22	258	A		
J	TOKYO	15100.000	25	10	0138				CHN	BC		A3E	116	E	25	39	N	59	290	B		
RUS	SMOLENSK	15110.000	04	10	1200	1300	45.0		KWT	BC	2K96	A3E	047	E	38	29	N	01	150	B		
RUS	SAMARA	15110.000	04	10	1300	1325	25.0		KWT	BC	9K53	F9D	047	E	15	29	N	18	187			
J	TOKYO	15110.000	27	10	1100			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	15110.000	30	10	0057	0057	35.6		USA	BC		A3E									6	
KOR	CRMS	15110.000	05	11	0659	0659	11.0		CHN	BC		A3E									6	
I	ROMA	15110.000	09	12	1042	1043	45.0	RADIO KUWAIT (DRM)	KWT	BC	10K0	X7W							102	A		DRM
KOR	CRMS	15110.000	10	12	0716	0716	3.0		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	15120.000	04	10	0300	0330	50.0		CHN	BC	10K4	A3E	115	E	44	38	N	43	113	A		
RUS	SAMARA	15120.000	04	10	0600	0700	25.0		CHN	BC	10K0	A3E	116	E	49	39	N	30	82	A		
RUS	SAMARA	15120.000	04	10	0900	1000	25.0		ARS	BC	10K0	A3E	045	E	29	24	N	50	188	A		
RUS	BELGOROD	15120.000	04	10	1028	1030	36.6		CHN	BC	12K3	A3E	116	E	56	39	N	27				
KOR	CRMS	15120.000	08	11	0434	0434	16.6		CHN	BC		A3E									6	
KOR	CRMS	15120.000	28	12	0619	0619	35.7	CRI	CHN	BC		A3E									3	
RUS	SLAVYANKA	15125.000	04	10	0005	0020	31.0		CHN	BC	5K42	A3E	114	E	17	33	N	42	241	A		
KOR	CRMS	15125.000	26	10	0744	0744	44.8	RRI	INS	BC		A3E									3	
KOR	CRMS	15125.000	29	12	0022	0022	37.9	CRI	CHN	BC		A3E									6	
KOR	CRMS	15130.000	08	11	0434	0434	43.1		CHN	BC		A3E									6	
KOR	CRMS	15130.000	27	12	0423	0423	58.1	CRI	CHN	BC		A3E									6	
HNG	TARNOK	15134.999	29	12	0700	0800	59.7	CRI	CHN	BC	9K20	A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	YAKUTSK	15135.000	04	10	0915	0925	75.0		CHN	BC	2K13	A3E	103	E	23	32	N	24	222	A		
RUS	SAMARA	15135.000	04	10	1000	1027	25.0		CHN	BC	10K0	A3E	102	E	00	24	N	29	107	A		
KOR	CRMS	15135.000	07	12	0634	0634	13.9		RUS	BC		A3E									6	
KOR	CRMS	15135.000	28	12	0620	0620	38.4	CRI	CHN	BC		A3E									3	
HNG	TARNOK	15135.000	29	12	0830	1330	23.9	CRI	CHN	BC	9K80	A3E									11	
RUS	SLAVYANKA	15140.000	04	10	0107	0130	64.0		CHN	BC	5K83	A3E	107	E	19	32	N	38	250	A		
RUS	NOVOSIBIRSK	15140.000	04	10	0200	0230	56.0		CHN	BC	10K3	A3E	116	E	40	39	N	16	111	A		
KOR	CRMS	15140.000	04	10	0303	0303	17.4		KWT	BC		A3E									6	
KOR	CRMS	15140.000	25	10	0510	0510	35.3		CHN	BC		A3E									6	
RUS	SAMARA	15145.000	04	10	0600	0700	25.0		CHN	BC	10K0	A3E	116	E	42	39	N	58	82	A		
RUS	BELGOROD	15145.000	04	10	0745	0747	40.5		CHN	BC	9K60	A3E	108	E	36	34	N	22				
RUS	SMOLENSK	15145.000	04	10	1200	1300	15.0		CHN	BC	2K98	A3E	108	E	20	33	N	51	78	B		
KOR	CRMS	15145.000	02	11	0808	0808	7.8		CHN	BC		A3E									6	
HNG	TARNOK	15149.992	31	12	0900	1200	31.1	IBB/VOA	THA	BC	9K82	A3E										
I	ROMA	15150.000	04	11	1045	1046	38.0	VOICE OF AMERICA	THA	BC	10K0E	A3E							76	A		
HNG	TARNOK	15150.015	31	12	1500	1600	55.4	RADIO TAMAUJ	MDG	BC	9K81	A3E									3	
HNG	TARNOK	15159.994	31	12	0900	1000	31.3	KBS	KOR	BC	8K98	A3E										
RUS	SLAVYANKA	15160.000	04	10	0227	0240	69.0		CHN	BC	6K69	A3E	119	E	45	28	N	34	217	A		
RUS	SAMARA	15160.000	04	10	0600	0700	25.0		CHN	BC	10K0	A3E	078	E	37	35	N	25	119			
I	ROMA	15160.000	22	10	0902	0902	27.0	KBS WORLD RADIO	KOR	BC	10K0	A3E							48	A		
KOR	CRMS	15160.000	08	11	0435	0435	31.2		CHN	BC		A3E									6	
KOR	CRMS	15160.000	01	12	0130	0130	19.0	CRI	CHN	BC		A3E									3	
HNG	TARNOK	15160.000	31	12	1500	1600	31.0	DIMTSE WOYANE TIGRAY	F	BC	9K94	A3E										
HNG	TARNOK	15160.002	31	12	1030	1130	18.4	CRI	CHN	BC	9K84	A3E										
J	TOKYO	15160.010	15	12	0100			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	15170.056	31	12	0250	0600	48.8	RADIO SAUDI	ARS	BC	7K04	A3E										
HNG	TARNOK	15179.999	31	12	1100	1300	61.3	CRI	CHN	BC	9K77	A3E										
RUS	SMOLENSK	15180.000	04	10	0530	0630	5.0		KRE	BC	2K98	A3E	125	E	09	40	N	10	62	B		
RUS	MOROZOVSK	15180.000	04	10	1130	1145	10.0		CHN	BC	3K00	A3E	080	E	02	34	N	21	102	C		
RUS	NYAGAN	15180.000	04	10	1157	1158	53.0		CHN		2K23	A3E	075	E	51	38	N	43	160	A		
RUS	SAMARA	15180.000	04	10	1200	1300	25.0		CHN	BC	10K0	A3E	076	E	23	39	N	20	107	A		
J	TOKYO	15180.000	25	10	0140			CHINA N.R.		BC		D7W	102	E	44	25	N	16	262	B		
J	TOKYO	15180.000	09	12	0134			CHINA N.R.		BC		D7W	103	E	16	25	N	11	262	B		
J	TOKYO	15180.000	27	12	1002				CHN	BC		D7W	101	E	47	25	N	17	263	B		
HNG	TARNOK	15185.002	31	12	0700	1000	32.4	CRI	CHN	BC	9K78	A3E										
KOR	CRMS	15190.000	30	10	1814	1814	9.0		PHL	BC		A3E									6	
I	ROMA	15190.000	04	11	1048	1050	21.0	CHINA RADIO INTERNAT	CHN	BC	9K00E	A3E							70	A		
HNG	TARNOK	15190.002	31	12	1000	1100	27.1	CRI	CHN	BC	9K83	A3E										
RUS	NOVOSIBIRSK	15195.000	04	10	0230	0300	38.0		J	BC	8K20	A3E	139	E	16	36	N	20	92	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SLAVYANKA	15195.000	04	10	0320	0330	76.0		J	BC	7K19	A3E	139	E	11	37	N	00	131	A		
KOR	CRMS	15195.000	27	12	0424	0424	37.7	NHK	J	BC		A3E									3	
KOR	CRMS	15210.000	27	10	0051	0051	39.5		USA	BC		A3E									6	
KOR	CRMS	15215.000	25	10	1220	1220	41.0	FEC	UAE	BC		A3E									3	
RUS	SAMARA	15220.000	04	10	0700	0800	15.0		D	BC	10K0	A3E	010	E	42	52	N	29	286			
RUS	BELGOROD	15220.000	04	10	0747	0750	42.8		D	BC	7K60	A3E	012	E	54	52	N	38				
RUS	BELGOROD	15220.000	04	10	1030	1032	50.3	China Radio International	CHN	BC	8K40	A3E	075	E	43	39	N	22				
RUS	MOROZOVSK	15220.000	04	10	1145	1200	11.0		CHN	BC	3K00	A3E	075	E	12	38	N	57	98	C		
I	ROMA	15220.000	14	10	0734	0735	49.0	ADVENTIST WORLD RADI	D	BC	10K0E	A3E							1	A		
KOR	CRMS	15220.000	26	10	0746	0746	42.3		CHN	BC		A3E									6	
KOR	CRMS	15220.000	28	12	0620	0620	34.7	CRI	CHN	BC		A3E									3	
KOR	CRMS	15225.000	28	10	0517	0517	75.2		CHN	BC		A3E									6	
RUS	SLAVYANKA	15230.000	04	10	0302	0320	46.0		CHN	BC	6K31	A3E	109	E	57	34	N	35	251	A		
RUS	SMOLENSK	15230.000	04	10	0530	0630	21.0		CHN	BC	2K98	A3E	108	E	47	34	N	30	78	B		
RUS	SAMARA	15230.000	04	10	0600	0700	25.0		CHN	BC	10K0	A3E	113	E	59	25	N	38	93			
RUS	BELGOROD	15230.000	04	10	1032	1033	32.2		CHN	BC	7K30	A3E	108	E	36	34	N	22				
RUS	SAMARA	15230.000	04	10	1200	1300	27.0		UAE	BC	10K0	A3E	053	E	16	23	N	40	174	A		
I	ROMA	15230.000	14	10	0739	0739	21.0	CHINA RADIO INTERNAT	CHN	BC	9K00E	A3E							59	A		
RUS	BELGOROD	15245.000	04	10	0750	0753	46.6		KRE	BC	8K10	A3E	126	E	06	40	N	04				
RUS	SAMARA	15245.000	04	10	0800	0856	17.0		KRE	BC	10K0	A3E	126	E	04	39	N	42	74			
I	ROMA	15245.000	11	11	0844	0844	20.0	VOICE OF KOREA	KRE	BC	9K00E	A3E							45	A		
RUS	SMOLENSK	15250.000	04	10	1000	1100	33.0		CHN	BC	2K95	A3E	075	E	46	39	N	21	99	B		
RUS	SAMARA	15250.000	04	10	1100	1230	31.0		INS	BC	10K0	A3E	121	E	36	02	S	19	106			
RUS	MOROZOVSK	15250.000	04	10	1200	1215	22.0		PHL	BC	3K00	A3E	120	E	37	15	N	22	85	B		
RUS	MOROZOVSK	15250.000	04	10	1215	1230	15.0		ARS	BC	3K00	A3E	045	E	40	21	N	58	172	B		
KOR	CRMS	15250.000	23	10	0054	0054	55.4		CHN	BC		A3E									6	
KOR	CRMS	15250.000	22	12	0034	0034	30.2		CHN	BC	9K90E	A3E									3	
RUS	MOROZOVSK	15255.000	01	10	1410	1425	10.0		VTN	BC	3K00	A3E	106	E	08	17	N	34	97	C		
RUS	S. PETERSBURG	15259.999	01	10	0810	0830	58.0		AUT	BC	16K5	A3E	016	E	15	48	N	15	220	B		
RUS	NOVOSIBIRSK	15260.000	01	10	0200	0230	51.0		CHN	BC	15K0	A3E	076	E	07	39	N	19	200	A		
RUS	BELGOROD	15260.000	01	10	0700	0704	46.8		D	BC	8K70	A3E	012	E	54	52	N	38				
RUS	SAMARA	15260.000	01	10	0725	0744	20.0		G	BC	10K0	A3E	002	E	49	52	N	16	285			
RUS	NYAGAN	15260.000	01	10	0914	0921	47.0		CHN		8K51	A3E	075	E	44	38	N	38	160	A		
RUS	VERHNEYE DUBROVO	15260.000	01	10	0915	0921	47.0		CHN		8K51	A3E	075	E	44	38	N	38	146	A		
I	ROMA	15260.000	14	10	0743	0744	50.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
I	ROMA	15260.000	22	10	0905	0905	50.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
KOR	CRMS	15260.000	26	10	0747	0747	35.9		CHN	BC		A3E									6	
RUS	SMOLENSK	15265.000	01	10	1155	1255	33.0		CHN	BC	2K98	A3E	109	E	50	37	N	29	74	B		
RUS	NOVOSIBIRSK	15270.000	01	10	0230	0300	20.0		CHN	BC	10K8	A3E	116	E	14	40	N	03	110	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SMOLENSK	15270.000	01	10	0530	0630	32.0		CHN	BC	2K85	A3E	116	E	10	39	N	33	69	B		
RUS	SAMARA	15270.000	01	10	0650	0702	25.0		CHN	BC	10K0	A3E	116	E	34	39	N	34	82			
I	ROMA	15270.000	14	10	0749	0750	20.0	CNR 2	CHN	BC	10K0	A3E							51	A		
I	ROMA	15270.000	11	11	0846	0846	20.0	CNR 2	CHN	BC	10K0	A3E							51	A		
KOR	CRMS	15270.000	27	12	0425	0425	49.0	CNR	CHN	BC		A3E									3	
KOR	CRMS	15275.000	28	10	0518	0518	42.5		CHN	BC		A3E									11	
RUS	NYAGAN	15280.000	01	10	0915	0924	35.0		J		4K01	A3E	138	E	42	36	N	42	84	A		
RUS	VERHNEYE DUBROVO	15280.000	01	10	0919	0924	35.0		J		4K01	A3E	138	E	42	36	N	42	77	A		
I	ROMA	15280.000	14	10	0753	0753	20.0	WORLD RADIO NIPPON	J	BC	9K00E	A3E							40	A		
RUS	SMOLENSK	15285.000	01	10	0530	0630	32.0		ARS	BC	833H	A3E	046	E	29	24	N	17	155	B		
RUS	BELGOROD	15285.000	01	10	0620	0625	41.3		ARS	BC	9K30	A3E	046	E	52	24	N	29				
RUS	SAMARA	15285.000	01	10	0645	0655	25.0		ARS	BC	10K0	A3E	046	E	52	24	N	49	186			
KOR	CRMS	15285.000	04	10	0311	0311	0.8		PHL	BC		A3E									6	
KOR	CRMS	15285.000	21	10	1218	1218	30.2		TUR	BC		A3E									6	
I	ROMA	15290.000	22	10	0907	0908	23.0	WORLD RADIO NIPPON	F	BC	10K0	A3E							307	A		
I	ROMA	15290.000	11	11	0850	0850		WORLD RADIO JAPAN	F	BC	10K0	A3E							307	A		
RUS	NOVOSIBIRSK	15295.000	01	10	0300	0330	45.0		CHN	BC		A3E	116	E	22	39	N	05	111	A		
KOR	CRMS	15295.000	13	10	0014	0014	27.9		CHN	BC		A3E									6	
KOR	CRMS	15295.000	21	10	0425	0425	41.0		CHN	BC		A3E									6	
RUS	SMOLENSK	15300.000	01	10	0530	0630	17.0		F	BC	2K40	A3E	002	E	04	46	N	54	259	B		
RUS	BELGOROD	15300.000	01	10	0625	0629	49.1		F	BC	10K0	A3E	001	E	53	46	N	57				
RUS	SAMARA	15300.000	01	10	0630	0645	15.0		F	BC	10K0	A3E	001	E	53	46	N	57	279			
RUS	S. PETERSBURG	15300.000	01	10	0700	0740	56.0		F	BC	12K6	A3E	003	E	08	46	N	09	241	B		
I	ROMA	15300.000	14	10	0756	0757	26.0	RADIO FRANCE INTERNA	F	BC	10K0E	A3E							307	A		
KOR	CRMS	15300.000	25	10	0513	0513	31.0		CHN	BC		A3E									11	
I	ROMA	15300.000	26	10	0755	0755	23.0	RADIO FRANCE INTERNA	F	BC	10K0E	A3E							307	A		
I	ROMA	15300.000	11	11	0852	0852	21.0	RADIO FRANCE INTERNA	F	BC	10K0E	A3E							307	A		
RUS	VERHNEYE DUBROVO	15310.000	01	10	0917	0927	41.0		OMA		9K29	A3E	059	E	23	22	N	38	182	A		
RUS	NYAGAN	15310.000	01	10	0925	0927	41.0		OMA		9K29	A3E	059	E	23	22	N	38	189	A		
RUS	SAMARA	15310.000	01	10	0930	0945	15.0		OMA	BC	10K0	A3E	059	E	37	21	N	55				
RUS	NOVOSIBIRSK	15310.000	01	10	1030	1100	20.0		OMA	BC	9K20	A3E	059	E	23	21	N	49	218	A		
RUS	SMOLENSK	15310.000	01	10	1110	1210	25.0		OMA	BC	2K99	A3E	022	E	46	58	N	20	136	B		
KOR	CRMS	15310.000	28	12	0621	0621	26.4		CHN	BC		A3E									3	
RUS	BELGOROD	15315.000	01	10	0704	0707	42.2		F	BC	10K1	A3E	001	E	53	46	N	57				
RUS	S. PETERSBURG	15320.000	01	10	0900	0915	54.0		F	BC	10K8	A3E	003	E	08	46	N	09	241	B		
RUS	NYAGAN	15320.000	01	10	0924	0929	37.0		F		8K80	A3E	003	E	34	48	N	26	277	A		
RUS	VERHNEYE DUBROVO	15320.000	01	10	0926	0929	37.0		F		8K80	A3E	003	E	34	48	N	26	281	A		
RUS	SAMARA	15320.000	01	10	0945	0950	20.0		F	BC	10K0	A3E	001	E	53	46	N	57	279			
RUS	BELGOROD	15320.000	01	10	1025	1033	45.1	RFI	F	BC	10K0	A3E	001	E	59	46	N	57				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	15320.000	04	10	0312	0312	10.2		CHN	BC		A3E									6	
KOR	CRMS	15320.000	04	10	1222	1222	9.8		ROU	BC		A3E									6	
KOR	CRMS	15320.000	25	11	0438	0438	35.0		CHN	BC		A3E									6	
KOR	CRMS	15320.000	27	12	0425	0425	42.6	CNR	CHN	BC		A3E									6	
KOR	CRMS	15325.000	22	12	0035	0035	40.5		CHN	BC		A3E									3	
RUS	BELGOROD	15330.000	01	10	1033	1035	32.8		PHL	BC	7K60	A3E	120	E	54	14	N	48				
RUS	NOVOSIBIRSK	15335.000	01	10	0800	0830	29.0		CHN	BC	15K4	A3E	076	E	09	39	N	33	200	A		
RUS	NYAGAN	15335.000	01	10	0928	0934	62.0		CHN		10K0	A3E	075	E	46	38	N	52	159	A		
RUS	VERHNEYE DUBROVO	15335.000	01	10	0929	0934	62.0		CHN		10K0	A3E	075	E	46	38	N	52	146	A		
I	ROMA	15335.000	14	10	0800	0801	31.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
KOR	CRMS	15335.000	28	10	0519	0519	43.2		CHN	BC		A3E									6	
I	ROMA	15335.000	11	11	0857	0858	38.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
RUS	S. PETERSBURG	15335.002	01	10	0800	0810	72.0	CHINA RADIO INTERNATIONAL	CHN	BC	15K6	A3E	075	E	49	39	N	21	105	B		
RUS	SAMARA	15340.000	01	10	0505	0525	25.0		ROU	BC	10K0	A3E	026	E	06	44	N	44	252			
RUS	NOVOSIBIRSK	15340.000	01	10	0530	0600	23.0		CHN	BC		A3E	109	E	51	18	N	36	140	A		
RUS	BELGOROD	15340.000	01	10	0629	0632	45.4		CHN	BC	8K10	A3E	120	E	37	22	N	23				
KOR	CRMS	15340.000	04	10	0312	0312	24.3		CHN	BC		A3E									6	
KOR	CRMS	15340.000	28	10	0519	0519	32.8		CHN	BC		A3E									6	
KOR	CRMS	15340.000	01	11	0435	0435	21.6		CHN	BC		A3E									6	
J	TOKYO	15340.000	03	11	2351				CHN				101	E	11	37	N	20	284	A		
KOR	CRMS	15340.000	01	12	0131	0131	24.9		CHN	BC		A3E									6	
KOR	CRMS	15340.000	07	12	0424	0424	22.5		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	15350.000	01	10	0330	0400	33.0		CHN	BC	15K7	A3E	076	E	11	39	N	17	200	A		
RUS	SMOLENSK	15350.000	01	10	0530	0630	24.0		CHN	BC	1K15	A3E	075	E	50	39	N	17	100	B		
RUS	BELGOROD	15350.000	01	10	0632	0637	46.3	China Radio International	CHN	BC	15K3	A3E	075	E	43	39	N	22				
RUS	NYAGAN	15350.000	01	10	0931	0939	28.0		CHN		10K5	A3E	076	E	04	38	N	03	160	A		
RUS	VERHNEYE DUBROVO	15350.000	01	10	0934	0939	28.0		CHN		10K5	A3E	076	E	04	38	N	03	146	A		
I	ROMA	15350.000	14	10	0802	0803	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							70	A		
I	ROMA	15350.000	26	10	0758	0758	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							70	A		
I	ROMA	15350.000	11	11	0900	0901	55.0	VOICE OF TURKEY	TUR	BC	10K0	A3E							92	A		
RUS	SMOLENSK	15360.000	01	10	0530	0630	21.0		UAE	BC	2K96	A3E	054	E	21	24	N	07	142	B		
RUS	NOVOSIBIRSK	15360.000	01	10	0700	0730	15.0		CHN	BC		A3E	108	E	14	35	N	23	128	A		
RUS	BELGOROD	15360.000	01	10	1035	1037	45.8		KWT	BC	10K4	A3E	047	E	41	29	N	31				
KOR	CRMS	15360.000	04	10	0312	0312	18.1		CHN	BC		A3E									6	
KOR	CRMS	15360.000	02	11	0810	0810	21.7		CHN	BC		A3E									6	
KOR	CRMS	15360.000	09	11	0744	0744	19.8		CHN	BC		A3E									6	
KOR	CRMS	15360.000	22	12	0036	0036	51.1		CHN	BC		A3E									6	
KOR	CRMS	15360.000	28	12	0622	0622	59.2		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	15365.000	01	10	0430	0500	24.0		UAE	BC		A3E	054	E	51	23	N	39	225	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	SAMARA	15365.000	01	10	0545	0555	20.0		UAE	BC	10K0	A3E	054	E	14	24	N	10	173			
RUS	BELGOROD	15365.000	01	10	0637	0642	44.7		UAE	BC	6K40	A3E	054	E	14	24	N	10				
KOR	CRMS	15365.000	24	10	1216	1216	20.5		THA	BC		A3E									6	
I	ROMA	15365.000	26	10	0802	0804	20.0	MASHAAL RADIO	KWT	BC	10K0E								102	A		
KOR	CRMS	15370.000	26	10	0748	0748	21.5	CNR	CHN	BC		A3E									3	
KOR	CRMS	15370.000	31	12	0419	0419	60.1		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	15380.000	01	10	0130	0200	21.0		CHN	BC		A3E	116	E	05	40	N	06	110	A		
RUS	SMOLENSK	15380.000	01	10	0530	0630	46.0		ARS	BC	2K48	A3E	046	E	25	23	N	58	155	B		
RUS	SAMARA	15380.000	01	10	0530	0545	20.0		CHN	BC	10K0	A3E	116	E	48	39	N	44	81			
RUS	BELGOROD	15380.000	01	10	0645	0647	46.6		ARS	BC	9K70	A3E	046	E	52	24	N	29				
RUS	VERHNEYE DUBROVO	15380.000	01	10	0934	0941	22.0		CHN		4K62	A3E	113	E	45	39	N	33	93	A		
RUS	NYAGAN	15380.000	01	10	0934	0941	22.0		CHN		4K62	A3E	113	E	45	39	N	33	105	A		
KOR	CRMS	15380.000	11	10	1219	1219	23.8		CHN	BC		A3E									6	
I	ROMA	15380.000	14	10	0805	0805	41.0	RADIO SAUDI	ARS	BC	10K0E	A3E							110	A		
I	ROMA	15380.000	26	10	0806	0806	49.0	RADIO SAUDI	ARS	BC	10K0E	A3E							110	A		
KOR	CRMS	15380.000	27	12	0426	0426	44.1	CNR	CHN	BC		A3E									3	
RUS	S. PETERSBURG	15380.054	01	10	0735	0750	57.0		CHN	BC	12K6	A3E	117	E	03	39	N	28	70	B		
RUS	SAMARA	15390.000	01	10	0530	0545	20.0		CHN	BC	10K0	A3E	111	E	55	36	N	52	88			
RUS	SMOLENSK	15390.000	01	10	0530	0630	33.0		CHN	BC	2K97	A3E	112	E	15	36	N	30	73	B		
RUS	NOVOSIBIRSK	15390.000	01	10	0600	0630	12.0		CHN	BC	15K9	A3E	111	E	03	35	N	38	123	A		
RUS	BELGOROD	15390.000	01	10	1045	1047	39.5		CHN	BC	10K5	A3E	111	E	40	36	N	52				
I	ROMA	15390.000	14	10	0808	0808	29.0	CNR 13	CHN	BC	10K0	A3E							55	A		
KOR	CRMS	15390.000	10	11	0019	0019	12.3	CNR	CHN	BC		A3E									3	
I	ROMA	15390.000	11	11	0904	0904	22.0	CNR 13	CHN	BC	10K0	A3E							55	A		
KOR	CRMS	15390.000	24	11	0044	0044	52.0		RUS	BC		A3E									6	
KOR	CRMS	15390.000	03	12	0744	0744	12.5		RUS	BC		A3E									6	
KOR	CRMS	15390.000	10	12	0019	0019	12.3	CNR	CHN	BC		A3E									11	
I	ROMA	15400.000	25	10	1800	1805	39.0	BBC WORLD SERVICE		BC	10K0E	A3E										ENG
RUS	S. PETERSBURG	15400.004	01	10	1700	1715	55.0	VVS	G	BC	10K3	A3E	013	W	31	06	S	03	225	B		
G	BALDOCK	15406.000	31	12	1255			RUSSIAN PULSE	RUS	LR		P0N							70	A		
RUS	BELGOROD	15410.000	01	10	0736	0740	44.3		CHN	BC	9K90	A3E	102	E	48	25	N	02				
RUS	MOROZOVSK	15410.000	01	10	1430	1445	13.0		CHN	BC	3K00	A3E	041	E	50	48	N	20	99	C		
KOR	CRMS	15410.000	04	10	0313	0313	23.8		CHN	BC		A3E									6	
KOR	CRMS	15410.000	01	11	0436	0436	8.3		CHN	BC		A3E									6	
KOR	CRMS	15410.000	22	12	0036	0036	42.9		CHN	BC		A3E									6	
KOR	CRMS	15410.000	28	12	0622	0622	30.9		CHN	BC		A3E									3	
RUS	SMOLENSK	15420.000	01	10	0530	0630	33.0		UAE	BC	850H	A3E	054	E	33	23	N	56	142	B		
RUS	VERHNEYE DUBROVO	15420.000	01	10	0939	0946	5.0		CHN		12K0	A3E	110	E	16	31	N	39	105	A		
RUS	NYAGAN	15420.000	01	10	0940	0946	5.0		CHN		12K0	A3E	110	E	16	31	N	39	115	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RUS	BELGOROD	15420.000	01	10	1047	1048	33.2		USA	BC	9K30	A3E	144	E	39	13	N	20				
KOR	CRMS	15420.000	11	10	1219	1219	29.3		TJK	BC		A3E									6	
KOR	CRMS	15420.000	23	10	0957	0957	27.2		PHL	BC		A3E									6	
RUS	NOVOSIBIRSK	15425.000	01	10	0230	0300	30.0		CHN	BC	9K70	A3E	109	E	34	33	N	40	128	A		
KOR	CRMS	15425.000	22	12	0037	0037	57.2		CHN	BC		A3E									6	
RUS	SAMARA	15430.000	01	10	0455	0520	20.0		IRN	BC	10K0	A3E	055	E	47	29	N	35				
KOR	CRMS	15435.000	23	10	0055	0055	16.8		PHL	BC		A3E									6	
RUS	MOROZOVS	15440.000	01	10	1450	1505	12.0		AUT	BC	3K00	A3E	014	E	55	48	N	04	279	B		
I	ROMA	15440.000	11	11	0906	0907	33.0	CHINA RADIO INTERNAT	CHN	BC	9K00E	A3E							70	A		
RUS	NOVOSIBIRSK	15445.000	01	10	0400	0430	45.0	CHINA RADIO INTERNATIONAL	CHN	BC		A3E	076	E	15	39	N	48	200	A		
RUS	BELGOROD	15445.000	01	10	0647	0700	51.3		IRN	BC	6K20	A3E	055	E	47	29	N	35				
RUS	SMOLENSK	15450.000	01	10	0800	0900	32.0		PHL	BC	2K96	A3E	120	E	43	13	N	15	83	B		
KOR	CRMS	15450.000	23	10	0957	0957	33.0		PHL	BC		A3E									6	
I	ROMA	15455.000	22	10	0826	0827	21.0	RADIO FRANCE INTERNA	F	BC	9K00E	A3E							307	A		
I	ROMA	15455.000	26	10	0808	0809	24.0	RADIO FRANCE INTERNA	F	BC	9K00E	A3E							307	A		
KOR	CRMS	15455.000	01	11	0436	0436	40.5		CHN	BC		A3E									6	
KOR	CRMS	15455.000	08	11	0440	0440	42.8		CHN	BC		A3E									6	
KOR	CRMS	15455.000	07	12	0636	0636	38.6		CHN	BC		A3E									6	
I	ROMA	15480.000	11	11	0910	0910	26.0	VOICE OF TURKEY	TUR	BC	10K0	A3E							92	A		
KOR	CRMS	15480.000	27	12	0427	0427	43.7	CNR	CHN	BC		A3E									3	
I	ROMA	15490.000	25	10	1800	1830	43.0	BBC		BC	10K0E	A3E										FRENCH LANGUAGE
I	ROMA	15500.000	22	10	0829	0830	22.0	CNR 2	CHN	BC	10K0	A3E							51	A		
I	ROMA	15500.000	26	10	0811	0811	26.0	CNR 2	CHN	BC	10K0	A3E							51	A		
KOR	CRMS	15500.000	27	12	0427	0427	58.4	CNR	CHN	BC		A3E									11	
KOR	CRMS	15515.000	05	10	0648	0648	-5.8		KWT	BC		A3E									6	
I	ROMA	15515.000	22	10	0833	0833	20.0	RADIO KUWAIT	KWT	BC	10K0	A3E							102	A		
I	ROMA	15515.000	26	10	0813	0814	24.0	RADIO KUWAIT	KWT	BC	10K0	A3E							102	A		
I	ROMA	15520.000	25	10	1800	1805	14.0	R NATIONAL DE ESPANA	E	BC	10K0E	A3E										SPANISH LANGUAGE
I	ROMA	15525.000	11	11	0914	0914	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							60	A		
KOR	CRMS	15540.000	27	12	0428	0428	55.1	CNR	CHN	BC		A3E									11	
I	ROMA	15550.000	22	10	0844	0845	20.0	CNR 7	CHN	BC	10K0	A3E							51	A		
KOR	CRMS	15550.000	29	12	0025	0025	21.3	CNR	CHN	BC		A3E									6	
I	ROMA	15560.000	22	10	0848	0848	33.0	CHINA RADIO INTERNAT	CHN	BC	9K00E	A3E							59	A		
I	ROMA	15560.000	26	10	0840	0840	32.0	CHINA RADIO INTERNAT	CHN	BC	9K00E	A3E							59	A		
KOR	CRMS	15570.000	26	11	0650	0650	33.7		CHN	BC		A3E									6	
KOR	CRMS	15570.000	14	12	0721	0721	25.7		CHN	BC		A3E									11	
J	TOKYO	15601.490	16	11	0752				USA			F1B	144	E	49	13	N	27	168	B		
J	TOKYO	15601.500	05	10	0817				USA			F1B	044	E	43	13	N	25	169	B		GUM
J	TOKYO	15601.500	12	10	0608				USA			F1B	144	E	43	13	N	23	169	A		GUM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	15601.500	25	11	0624							F1B							169	C		
J	TOKYO	15601.500	02	12	0431				USA			F1B	144	E	57	13	N	31	168	A		GUM
KOR	CRMS	15610.000	24	10	1218	1218	29.6		CLN	BC		A3E									6	
KOR	CRMS	15610.000	29	11	0440	0440	59.5		CHN	BC		A3E									6	
J	TOKYO	15615.000	12	10	0612				CHN	BC		D7W	103	E	18	15	N	17	262	A		
J	TOKYO	15615.000	09	12	0153				AUS			F3C	121	E	18	22	S	26	200	B		
J	TOKYO	15620.000	05	10	0819					BC		D7W							238	C		
KOR	CRMS	15620.000	28	12	0623	0623	30.0	CRI	CHN	BC		A3E									6	
I	ROMA	15630.000	22	10	0852	0853	20.0	R.IRAN INTERNATIONAL	UZB	BC	10K0	A3E							71	A		
I	ROMA	15630.000	26	10	0842	0843	20.0	R.IRAN INTERNATIONAL	UZB	BC	10K0	A3E							71	A		
KOR	CRMS	15640.000	09	10	0027	0027	17.1		PHL	BC		A3E									6	
KOR	CRMS	15640.000	30	11	0719	0719	32.2		KWT	BC		A3E									6	
KOR	CRMS	15640.000	22	12	0038	0038	24.3		CHN	BC		A3E									6	
J	TOKYO	15658.000	12	10	0615				RUS			F1B	137	E	01	49	N	53	351	A		
INS	MSTM-MEDAN	15665.000	01	10	0416	0623	16.0	CHINA RADIO INTERNATIONAL	CHN	BC	8K00E	A3E										
I	ROMA	15665.000	22	10	0856	0856	41.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							60	A		
I	ROMA	15665.000	26	10	0845	0845	47.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							60	A		
KOR	CRMS	15665.000	17	12	0657	0657	24.9		CHN	BC		A3E									11	
KOR	CRMS	15665.000	31	12	0421	0421	37.5		RUS	BC		A3E									11	
INS	MSTM-MEDAN	15690.000	01	10	0631	0638	26.0	R.F ARDA	THA	BC	10K0E	A3E										
KOR	CRMS	15700.000	30	10	0102	0102	39.4		USA	BC		A3E									6	
INS	MSTM-MEDAN	15710.000	01	10	0201	0207	29.0	ÇNR 6	CHN	BC	10K0E	A3E										
INS	MSTM-MEDAN	15710.000	01	10	0639	0647	18.0	ÇNR 6	CHN	BC	9K00E	A3E										
KOR	CRMS	15710.000	29	11	0441	0441	49.4		CHN	BC		A3E									6	
KOR	CRMS	15710.000	27	12	0429	0429	54.6	CNR	CHN	BC		A3E									6	
KOR	CRMS	15720.000	22	12	0038	0038	8.6		CHN	BC		A3E									6	
KOR	CRMS	15720.000	28	12	0624	0624	41.3		CHN	BC		A3E									6	
KOR	CRMS	15730.000	28	10	0525	0525	25.6		CHN	BC		A3E									6	
INS	MSTM-MEDAN	15740.000	01	10	0214	0222	30.0	SOH Xi Wang Zhi Sheng	CHN	BC	10K0E	A3E										
KOR	CRMS	15740.000	04	10	0314	0314	11.7		CHN	BC		A3E									6	
KOR	CRMS	15740.000	13	10	0017	0017	21.9		CHN	BC		A3E									6	
KOR	CRMS	15740.000	26	10	0751	0751	62.9		CHN	BC		A3E									6	
KOR	CRMS	15740.000	23	11	0655	0655	51.6		CHN	BC		A3E									6	
KOR	CRMS	15740.000	21	12	0635	0635	39.4		CHN	BC		A3E									11	
I	ROMA	15750.000	22	10	1258	1300	50.0	WINB	USA	BC	10K0	A3E							301	A		ENG
I	ROMA	15750.000	28	10	0840	0841	23.0	MASHAAL RADIO	KWT	BC	10K0	A3E							102	A		
INS	MSTM-MEDAN	15760.000	01	10	0223	0231	25.0	SOH Xi Wang Zhi Sheng	CHN	BC	9K00E	A3E										
KOR	CRMS	15760.000	06	10	0025	0025	25.2		CHN	BC		A3E									6	
KOR	CRMS	15760.000	25	10	0520	0520	57.6		CHN	BC		A3E									6	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	15760.000	10	11	0021	0021	20.8		CHN	BC		A3E									6	
KOR	CRMS	15760.000	08	12	0034	0034	5.7		CHN	BC		A3E									6	
KOR	CRMS	15760.000	10	12	0021	0021	20.8		CHN	BC		A3E									11	
KOR	CRMS	15760.000	31	12	0422	0422	60.2	AGM	THA	BC		A3E									6	
I	ROMA	15768.000	09	12	1102	1103	39.0	1414BEBE952	RUS	FX	250HE	F1B							14	A		50 BD
INS	MSTM-MEDAN	15775.000	01	10	0245	0253	29.0	SOH Xi Wang Zhi Sheng	CHN	BC	10K0E	A3E										
KOR	CRMS	15775.000	06	10	0026	0026	22.9		CHN	BC		A3E									6	
KOR	CRMS	15775.000	23	11	0655	0655	49.4		CHN	BC		A3E									6	
KOR	CRMS	15775.000	30	12	0331	0331	66.2		CHN	BC		A3E									6	
I	ROMA	15778.000	09	12	1058	1101	6.0		RUS	FX	250HE	F1B							70	A		50 BD
INS	MSTM-MEDAN	15785.000	01	10	0301	0308	30.0	CHINA RADIO INTERNATIONAL	CHN	BC	10K0E	A3E										
J	TOKYO	15799.870	12	10	0617			SOUND OF HOPE		BC		A3E	120	E	28	23	N	16	240	B	11	TAIWAN
KOR	CRMS	15800.000	10	10	0422	0422	15.5		CHN	BC		A3E									6	
J	TOKYO	15800.000	12	10	0618			CHINA N.R.		BC		A3E	102	E	54	25	N	45	263	B	11	
J	TOKYO	15800.000	25	10	0147				CHN	BC		A3E	116	E	25	25	N	13	262	B		
KOR	CRMS	15800.000	26	10	0752	0752	40.5		CHN	BC		A3E									6	
J	TOKYO	15800.000	09	11	1006			CHINA N.R.		BC		A3E	075	E	58	39	N	27	295	A	11	
J	TOKYO	15800.000	16	11	0756			CHINA N.R.		BC		A3E	086	E	50	43	N	36	298	A	11	
KOR	CRMS	15800.000	25	11	0445	0445	54.6		CHN	BC		A3E									6	
KOR	CRMS	15800.000	30	11	0722	0722	41.5		CHN	BC		A3E									11	
KOR	CRMS	15800.000	22	12	0039	0039	18.4		CHN	BC		A3E									6	
KOR	CRMS	15800.000	27	12	0430	0430	34.0		CHN	BC		A3E									6	
KOR	CRMS	15810.000	30	11	0722	0722	22.2		CHN	BC		A3E									11	
J	TOKYO	15820.230	12	10	0621			SOUND OF HOPE		BC		A3E	120	E	53	23	N	39	240	B	11	TAIWAN
J	TOKYO	15820.230	19	10	0426			SOUND OF HOPE		BC		A3E	121	E	40	24	N	42	241	B	11	TAIWAN
J	TOKYO	15820.250	25	11	0630				CHN	BC		A3E	120	E	30	23	N	41	240	B		TAIWAN
J	TOKYO	15820.260	09	12	0158			SOUND OF HOPE		BC		A3E	120	E	23	23	N	46	241	B	11	TAIWAN
G	BALDOCK	15825.000	23	12	1717			WWCR NASHVILLE	USA	BC		A3E							294	A		NASHVILLE TX SITE
J	TOKYO	15840.080	09	12	0208				KOR	BC		A3E	127	E	57	36	N	42	280	B		
J	TOKYO	15852.580	09	12	0219				CHN				116	E	33	39	N	59	290	B		
INS	MSTM-MEDAN	15870.000	05	10	0759	0805	6.0	SOH Xi Wang Zhi Sheng	CHN	BC	7K00E	A3E									11	
KOR	CRMS	15870.000	27	10	0907	0907	18.6		CHN	BC		A3E									11	
J	TOKYO	15870.000	25	11	0645							F1B										
J	TOKYO	15870.030	12	10	0624			SOUND OF HOPE		BC		A3E	121	E	00	22	N	54	238	B	11	TAIWAN
J	TOKYO	15870.030	03	11	2358			SOUND OF HOPE		BC		A3E									11	
I	ROMA	15871.000	09	12	1105	1108	2.0	1414BEBE952	RUS	FX	250HE	F1B							18	A		50 BD
INS	MSTM-MEDAN	15890.000	05	10	0804	0811	6.0	SOH Xi Wang Zhi Sheng	CHN	BC	7K00E	A3E									11	
J	TOKYO	15890.000	04	11	0001			XINGXING B.S.		BC		A3E							246	B	11	
J	TOKYO	15890.010	12	10	0626			SOUND OF HOPE		BC		A3E	120	E	40	23	N	37	240	A	11	TAIWAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	15890.010	25	11	0650				CHN	BC		A3E	120	E	31	23	N	41	240	B		TAIWAN
J	TOKYO	15890.020	05	10	0828				CHN	BC		A3E	121	E	29	24	N	01	240	B		
J	TOKYO	15890.020	09	11	1008			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15890.030	09	12	0223					BC		A3E										
J	TOKYO	15890.060	27	12	1006			SOUND OF HOPE		BC		A3E	121	E	20	23	N	20	238	B	11	TAIWAN
J	TOKYO	15920.000	16	11	0800			CHINA N.R.		BC		A3E	087	E	47	43	N	30	303	A	11	
KOR	CRMS	15920.000	23	11	0656	0656	41.1		CHN	BC		A3E									11	
KOR	CRMS	15920.000	03	12	0746	0746	10.5		CHN	BC		A3E									3	
J	TOKYO	15920.000	09	12	0225			CHINA N.R.		BC		A3E	109	E	48	19	N	48	248	B	11	
I	ROMA	15920.000	09	12	1110	1111	18.0	1414BEBE952	RUS	FX	250HE	F1B							39	A		50 BD
J	TOKYO	15920.000	27	12	1007			CHINA N.R.		BC		A3E	118	E	56	25	N	23	246	B	11	
KOR	CRMS	15920.000	29	12	0026	0026	40.1		CHN	BC		A3E									6	
INS	MSTM-MEDAN	15940.000	05	10	0828	0835	18.0	SOH Xi Wang Zhi Sheng	CHN	BC	8K00E	A3E									11	
J	TOKYO	15940.000	12	10	0633							F1B							347	A		
KOR	CRMS	15940.000	30	10	0916	0916	19.8		CHN	BC		A3E									11	
KOR	CRMS	15940.000	29	11	0443	0443	33.5		CHN	BC		A3E									11	
KOR	CRMS	15940.000	22	12	0040	0040	23.4		CHN	BC		A3E									11	
J	TOKYO	15940.290	05	10	0840			SOUND OF HOPE		BC		A3E	120	E	50	23	N	46	241	B	11	TAIWAN
J	TOKYO	15940.300	19	10	0437			SOUND OF HOPE		BC		A3E	120	E	31	23	N	28	240	B	11	TAIWAN
J	TOKYO	15940.310	04	11	0005			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15940.310	09	12	0231			SOUND OF HOPE		BC		A3E	120	E	33	24	N	06	241	B	11	TAIWAN
G	BALDOCK	15959.005	23	12	1718			NSS (WASHINGTON)	USA	FX		F1B							279	B		75 BD
J	TOKYO	15969.750	05	10	0841			SOUND OF HOPE		BC		A3E	121	E	28	25	N	05	242	B	11	TAIWAN
J	TOKYO	15969.750	12	10	0635			SOUND OF HOPE		BC		A3E	120	E	28	24	N	03	241	B	11	TAIWAN
J	TOKYO	15969.760	19	10	0441			SOUND OF HOPE		BC		A3E	120	E	20	23	N	12	240	B	11	TAIWAN
J	TOKYO	15969.760	04	11	0008			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15969.780	21	12	0000			SOUND OF HOPE		BC		A3E	121	E	34	24	N	53	241	A	11	TAIWAN
J	TOKYO	15969.800	27	12	1008			SOUND OF HOPE		BC		A3E	120	E	29	23	N	30	240	B	11	TAIWAN
KOR	CRMS	15970.000	04	10	0315	0315	12.6		CHN	BC		A3E									11	
INS	MSTM-MEDAN	15970.000	05	10	0836	0842	30.0	SOH Xi Wang Zhi Sheng	CHN	BC	10K0E	A3E									11	
J	TOKYO	15970.000	12	10	0636			CHINA N.R.		BC		A3E	115	E	56	28	N	27	257	B	11	
J	TOKYO	15970.000	19	10	0441			CHINA N.R.		BC		A3E							277	C	11	
J	TOKYO	15970.000	25	10	0150				CHN	BC		A3E	087	E	34	43	N	27	297	B		
KOR	CRMS	15970.000	02	11	0813	0813	15.1		CHN	BC		A3E									11	
J	TOKYO	15970.000	09	11	1010			CHINA N.R.		BC		A3E	108	E	47	19	N	08	248	A	11	
J	TOKYO	15970.000	25	11	0653				CHN	BC		A3E	109	E	50	19	N	06	250	B		
J	TOKYO	15970.000	09	12	0234					BC		A3E										
KOR	CRMS	15970.000	10	12	0022	0022	25.4		CHN	BC		A3E									11	
J	TOKYO	15970.000	20	12	2352				CHN	BC		A3E	108	E	43	19	N	16	248	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	16047.000	04	11	0011							F1B							87	A		
J	TOKYO	16047.000	21	12	0011							F1B							87	C		
J	TOKYO	16083.990	25	10	0141							F1B										
KOR	CRMS	16100.000	04	10	0315	0315	24.3		CHN	BC		A3E									11	
J	TOKYO	16100.000	05	10	0842				CHN	BC		A3E	087	E	58	44	N	06	298	B		
INS	MSTM-MEDAN	16100.000	05	10	0917	0923	28.0	SOH Xi Wang Zhi Sheng	CHN	BC	10K0E	A3E									11	
J	TOKYO	16100.000	12	10	0639			CHINA N.R.		BC		A3E	109	E	38	19	N	41	247	A	11	
J	TOKYO	16100.000	19	10	0454			CHINA N.R.		BC		A3E	087	E	23	43	N	40	298	B	11	
J	TOKYO	16100.000	25	10	0157				CHN	BC		A3E	108	E	44	19	N	04	247	B		
J	TOKYO	16100.000	25	10	0207			CHINA N.R.		BC		A3E	087	E	24	43	N	46	298	B	11	
KOR	CRMS	16100.000	25	10	0521	0521	55.1		CHN	BC		A3E									6	
KOR	CRMS	16100.000	01	11	0439	0439	16.5		CHN	BC		A3E									6	
KOR	CRMS	16100.000	03	11	0106	0106	16.2		CHN	BC		A3E									11	
J	TOKYO	16100.000	04	11	0015			CHINA N.R.		BC		A3E									11	
J	TOKYO	16100.000	09	11	1016			CHINA N.R.		BC		A3E									11	
J	TOKYO	16100.000	25	11	0656				CHN	BC		A3E										
J	TOKYO	16100.000	02	12	0436			CHINA N.R.		BC		A3E	109	E	23	19	N	15	247	B	11	
KOR	CRMS	16100.000	07	12	0638	0638	30.2		THA	BC		A3E									11	
J	TOKYO	16100.000	09	12	0240				CHN	BC		A3E	116	E	33	39	N	52	290	B		
KOR	CRMS	16100.000	10	12	0022	0022	22.4		CHN	BC		A3E									11	
J	TOKYO	16100.000	21	12	0015				CHN	BC		A3E	124	E	12	47	N	11	319	A		
I	ROMA	16124.200	09	12	1112	1123	12.0	NAU	USA	FX	950HE	F1B							276	A		50 BD
J	TOKYO	16134.990	04	11	0018			KVM70				F3C							85	A		
J	TOKYO	16135.000	21	12	0017							F3C										
I	ROMA	16150.000	09	12	1355	1411	5.0	CODAR		FX	100K	PXX							123	A		RADAR
J	TOKYO	16159.820	09	12	0243					BC		A3E										
KOR	CRMS	16160.000	04	10	0316	0316	10.7		CHN	BC		A3E									11	
J	TOKYO	16160.000	05	10	0843				CHN	BC		A3E	108	E	54	19	N	13	248	B		
INS	MSTM-MEDAN	16160.000	05	10	0924	0929	20.0	SOH Xi Wang Zhi Sheng	CHN	BC	8K00E	A3E									11	
J	TOKYO	16160.000	12	10	0641			CHINA N.R.		BC		A3E	087	E	50	43	N	58	298	B	11	
J	TOKYO	16160.000	19	10	0457			CHINA N.R.		BC		A3E	110	E	26	19	N	28	246	B	11	
J	TOKYO	16160.000	25	10	0210			CHINA N.R.		BC		A3E	128	E	16	48	N	04	328	B	11	
KOR	CRMS	16160.000	01	11	0439	0439	7.2		CHN	BC		A3E									11	
J	TOKYO	16160.000	04	11	0019			CHINA N.R.		BC		A3E	108	E	52	19	N	06	248	A	11	
J	TOKYO	16160.000	09	11	1018			CHINA N.R.		BC		A3E									11	
J	TOKYO	16160.000	25	11	0705			CHINA N.R.		BC		A3E	116	E	03	39	N	57	289	A	11	
J	TOKYO	16160.000	02	12	0443			CHINA N.R.		BC		A3E	087	E	36	43	N	07	297	B	11	
KOR	CRMS	16160.000	03	12	0746	0746	7.7		CHN	BC		A3E									11	
J	TOKYO	16160.000	21	12	0023				CHN	BC		A3E	108	E	43	19	N	07	248	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	16160.000	27	12	1009			CHINA N.R.		BC		A3E	114	E	02	22	N	38	247	B	11	
J	TOKYO	16160.090	02	12	0500			SOUND OF HOPE		BC		A3E	121	E	46	24	N	44	241	B	11	TAIWAN
J	TOKYO	16160.100	21	12	0100			SOUND OF HOPE		BC		A3E	121	E	20	25	N	05	242	B	11	TAIWAN
J	TOKYO	16249.670	12	10	0643			SOUND OF HOPE		BC		A3E	120	E	35	23	N	23	240	B	11	TAIWAN
J	TOKYO	16249.680	19	10	0512			SOUND OF HOPE		BC		A3E	120	E	35	23	N	44	241	B	11	TAIWAN
J	TOKYO	16249.720	04	11	0022				CHN	BC		A3E	120	E	26	23	N	37	239	A		TAIWAN
J	TOKYO	16249.760	21	12	0028			SOUND OF HOPE		BC		A3E	120	E	32	23	N	27	240	A	11	TAIWAN
KOR	CRMS	16250.000	31	10	0420	0420	22.2		CHN	BC		A3E									11	
KOR	CRMS	16250.000	24	11	0048	0048	31.9		CHN	BC		A3E									11	
KOR	CRMS	16250.000	21	12	0636	0636	6.0		CHN	BC		A3E									6	
J	TOKYO	16268.500	04	11	0026							F1B							55	B		
J	TOKYO	16268.500	21	12	0034							F1B							55	C		
G	BALDOCK	16268.505	23	12	2102			?	CAN	FX		F1B							320	A		75 BD
J	TOKYO	16299.790	12	10	0645			SOUND OF HOPE		BC		A3E	120	E	26	23	N	16	240	B	11	TAIWAN
J	TOKYO	16299.820	25	10	0215			SOUND OF HOPE		BC		A3E	120	E	16	23	N	19	240	B	11	TAIWAN
J	TOKYO	16299.840	04	11	0028			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	16299.860	25	11	0722				CHN	BC		A3E	121	E	06	23	N	30	240	A		TAIWAN
J	TOKYO	16299.910	21	12	0040			SOUND OF HOPE		BC		A3E	120	E	32	23	N	28	240	A	11	TAIWAN
J	TOKYO	16299.910	21	12	0100			SOUND OF HOPE		BC		A3E	121	E	37	25	N	18	242	A	11	TAIWAN
J	TOKYO	16299.950	27	12	1010			SOUND OF HOPE		BC		A3E	121	E	24	23	N	58	240	B	11	TAIWAN
KOR	CRMS	16300.000	04	10	0316	0316	14.8		CHN	BC		A3E									11	
INS	MSTM-MEDAN	16300.000	06	10	0212	0219	28.0	SOH Rely RFA	CHN	BC	10K0E	A3E									11	
KOR	CRMS	16300.000	26	10	0752	0752	23.0		CHN	BC		A3E									6	
KOR	CRMS	16300.000	24	11	0048	0048	39.6		CHN	BC		A3E									11	
KOR	CRMS	16300.000	09	12	0345	0345	16.2		CHN	BC		A3E									6	
G	BALDOCK	16316.000	07	12	1813			?	RUS	FX		F1B	022	E	23	54	N	38	71	A		50 BD
J	TOKYO	16332.200	12	10	0647			F				A1A	132	E	46	42	N	56	323	B		
J	TOKYO	16332.200	04	11	0031			F				A1A										
J	TOKYO	16332.300	12	10	0652			K				A1A	158	E	58	53	N	20	30	B		
J	TOKYO	16332.300	25	10	0220			K				A1A	158	E	21	53	N	22	29	B		
J	TOKYO	16332.300	04	11	0031			K				A1A										
J	TOKYO	16332.400	12	10	0647			M				A1A	139	E	48	49	N	30	358	B		
J	TOKYO	16332.400	25	10	0220			M				A1A	140	E	12	52	N	59	359	B		
J	TOKYO	16332.400	02	12	0448			M				A1A	139	E	45	52	N	06	358	B		
J	TOKYO	16332.400	09	12	0245			M				A1A										
J	TOKYO	16355.250	02	12	0454				AUS				131	E	09	12	S	15	192	A		
J	TOKYO	16355.350	09	12	0251				AUS				131	E	01	12	S	23	192	B		
J	TOKYO	16405.000	04	11	0033				CHN				119	E	27	34	N	18	272	B		
INS	MSTM-MEDAN	16528.000	07	10	0136	0146	2.0	Unknown		FX	1K80E	J3E										Radio Communication

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	16528.000	09	12	0130			VMW		FC		J3E							201	B		
J	TOKYO	16539.000	25	10	0131				CHN				113	E	29	35	N	07	277	A		
J	TOKYO	16546.000	25	11	0607			VMC				J3E	147	E	07	29	S	17	173	B		
J	TOKYO	16546.000	09	12	0133			VMC		FC		J3E							175	A		
J	TOKYO	16559.000	12	10	0609			XSG		FC		F3C	121	E	36	31	N	50	262	B		
J	TOKYO	16559.000	19	10	0418			XSG		FC		F3C	121	E	32	31	N	05	259	B		
J	TOKYO	16559.000	02	12	0418			XSG		FC		F3C	121	E	22	31	N	12	260	B		
J	TOKYO	16559.000	09	12	0134			XSG		FC		F3C										
INS	MSTM-MEDAN	16559.310	07	10	0152	0159	2.0			FX	1K80E	J3E										Faximile
J	TOKYO	16560.000	25	10	0136			CHINA N.R.		BC		A3E							260	A	11	
J	TOKYO	16576.000	02	12	0421				PHL			J3E	121	E	06	14	N	30	223	B		
J	TOKYO	16580.000	02	12	0426				PHL			J3E	122	E	58	13	N	48	220	B		
KOR	CRMS	16600.000	04	10	0316	0316	7.3		CHN	BC		A3E									11	
J	TOKYO	16600.000	05	10	0751			CHINA N.R.		BC		A3E	108	E	40	19	N	02	248	B	11	
INS	MSTM-MEDAN	16600.000	07	10	0626	0632	29.0	SOH Xi Wang Zhi Sheng		BC	10K0E	A3E									11	
J	TOKYO	16600.000	12	10	0612			CHINA N.R.		BC		A3E									11	
KOR	CRMS	16600.000	25	10	0521	0521	40.1		CHN	BC		A3E									6	
KOR	CRMS	16600.000	01	11	0439	0439	10.7		CHN	BC		A3E									11	
J	TOKYO	16600.000	03	11	2346			SOUND OF HOPE		BC		A3E	121	E	34	24	N	35	241	A	11	TAIWAN
J	TOKYO	16600.000	16	11	0747			CHINA N.R.		BC		A3E	108	E	52	19	N	25	248	A	11	
J	TOKYO	16600.000	25	11	0612			CHINA N.R.		BC		A3E	108	E	48	19	N	00	247	B	11	
KOR	CRMS	16600.000	10	12	0022	0022	18.8		CHN	BC		A3E									6	
J	TOKYO	16600.010	09	11	1004			CHINA N.R.		BC		A3E	109	E	33	19	N	27	247	B	11	
J	TOKYO	16600.100	19	10	0422			SOUND OF HOPE		BC		A3E	121	E	34	24	N	06	240	B	11	TAIWAN
J	TOKYO	16600.110	09	11	1005				CHN	BC		A3E	121	E	12	23	N	28	239	B		TAIWAN
J	TOKYO	16600.160	27	12	1003			SOUND OF HOPE		BC		A3E	120	E	33	23	N	43	241	B	11	TAIWAN
J	TOKYO	16635.240	25	11	0614														307	C		
J	TOKYO	16670.000	02	12	0435					BC		A3E							289	C		
J	TOKYO	16681.290	12	10	0613				CHN				113	E	26	35	N	06	276	B		
INS	MSTM-MEDAN	16762.000	08	10	0639	0642	12.0				1K80	F1B										Sitor
J	TOKYO	16789.800	12	10	0617			SOUND OF HOPE		BC		A3E	121	E	20	25	N	05	242	B	11	TAIWAN
J	TOKYO	16789.820	19	10	0429			SOUND OF HOPE		BC		A3E	120	E	28	23	N	12	240	B	11	TAIWAN
J	TOKYO	16789.830	16	11	0753			SOUND OF HOPE		BC		A3E	121	E	39	24	N	38	240	B	11	TAIWAN
J	TOKYO	16789.850	03	11	2351			SOUND OF HOPE		BC		A3E	121	E	20	25	N	01	242	B	11	TAIWAN
J	TOKYO	16789.860	25	11	0617			SOUND OF HOPE		BC		A3E	121	E	24	24	N	52	242	B	11	TAIWAN
J	TOKYO	16789.870	09	12	0140			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	16789.880	02	12	0442			SOUND OF HOPE		BC		A3E	121	E	22	25	N	07	242	B	11	TAIWAN
J	TOKYO	16789.890	20	12	2350			SOUND OF HOPE		BC		A3E	121	E	27	24	N	58	242	A	11	TAIWAN
INS	MSTM-MEDAN	16790.000	08	10	0459	0508	18.0	SOH Xi Wang Zhi Sheng	CHN	BC	8K00E	A3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	16790.000	03	11	0111	0111	9.0		CHN	BC		A3E									11	
INS	MSTM-MEDAN	16804.500	08	10	0514	0518	16.0				2K00E	F1B										Teleprinter
J	TOKYO	16804.500	02	12	0451							F1B										
J	TOKYO	16804.510	20	12	2356				INS			F1B	107	E	00	06	S	33	223	B		
J	TOKYO	16806.500	19	10	0434				CHN			F1B	121	E	25	24	N	58	242	B		
J	TOKYO	16808.000	02	12	0504				CHN			F1B	117	E	12	39	N	02	287	B		
J	TOKYO	16854.000	25	10	0146			XSQ		FC		F1B							248	A		
J	TOKYO	16854.000	09	11	1049			XSQ		FC		F1B										
J	TOKYO	16854.000	25	11	0618			XSQ		FC		F1B										
J	TOKYO	16854.000	09	12	0142			XSQ		FC		F1B										
J	TOKYO	16879.890	03	11	2357			XSQ		FC		F1B										
J	TOKYO	16879.990	25	11	0620			XSQ		FC		F1B										
J	TOKYO	16880.000	05	10	0810			XSQ		FC		F1B										
J	TOKYO	16880.000	12	10	0618			XSQ		FC		F1B										
J	TOKYO	16880.000	19	10	0438			XSQ		FC		F1B										
J	TOKYO	16880.000	25	10	0149			XSQ		FC		F1B										
J	TOKYO	16880.000	16	11	0802			XSQ		FC		F1B										
J	TOKYO	16880.000	02	12	0511			XSQ		FC		F1B										
J	TOKYO	16880.000	09	12	0147			XSQ		FC		F1B										
I	ROMA	16880.000	16	12	0843	0845	11.0	XSQ	CHN	FC	100HE	A1A							65	A		
J	TOKYO	16880.000	21	12	0001			XSQ		FC		F1B										
J	TOKYO	16880.000	27	12	1016			XSQ		FC		F1B										
J	TOKYO	16898.460	25	11	0622			XSG		FC		F1B										
J	TOKYO	16898.490	12	10	0620			XSG		FC		F1B										
J	TOKYO	16898.490	25	10	0151			XSG		FC		F1B										
J	TOKYO	16898.490	09	12	0149			XSG		FC		F1B										
J	TOKYO	16898.500	04	11	0008				CHN			F1B	121	E	44	31	N	48	262	B		
J	TOKYO	16898.500	09	11	1048			XSG		FC		F1B										
I	ROMA	16898.500	16	12	0841	0843	14.0	XSG	CHN	FC	170HE	F1B										
J	TOKYO	16898.500	21	12	0006			XSG		FC		F1B	121	E	15	31	N	26	261	A		
J	TOKYO	16898.500	27	12	1018			XSG		FC		F1B										
J	TOKYO	16898.510	05	10	0818			XSG		FC		F1B										
J	TOKYO	16899.500	19	10	0439			XSG		FC		F1B										
J	TOKYO	16910.000	12	10	0623			HLJ		FC		A1A										
I	ROMA	16910.000	16	12	0833	0835	12.0	HLJ	KOR	FC	100HE	A1A							47	B		
J	TOKYO	16910.010	19	10	0440			HLJ		FC		A1A										
J	TOKYO	16910.010	25	10	0152			HLJ		FC		A1A										
J	TOKYO	16910.010	04	11	0012			HLJ	CHN	FC		A1A	127	E	19	37	N	06	282	A		
J	TOKYO	16910.010	16	11	0804			HLJ		FC		A1A										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	16910.010	25	11	0624			HLJ		FC		A1A										
J	TOKYO	16910.010	02	12	0514			HLJ		FC		A1A	126	E	58	37	N	10	282	B		
J	TOKYO	16910.010	09	12	0149			HLJ		FC		A1A										
J	TOKYO	16923.800	25	10	0153				AUS				113	E	48	24	S	32	206	A		
J	TOKYO	16923.900	05	10	0821				AUS				144	E	52	18	S	58	175	A		
J	TOKYO	16935.000	05	10	0832				RUS			F1B	104	E	40	66	N	31	337	B		
J	TOKYO	16954.750	02	12	0525				AUS				147	E	08	18	S	45	172	B		
J	TOKYO	16958.800	16	11	0808				F				166	E	05	21	S	29	152	B		NCL
J	TOKYO	16959.500	02	12	0525				F				165	E	55	21	S	31	153	B		NCL
J	TOKYO	16959.500	27	12	1021														153	C		
J	TOKYO	16959.650	25	11	0625														153	C		
I	ROMA	16971.000	16	12	0821	0827	12.0	JJC	J	FX	1K50E	F1C							47	B		FAX 120RPM
J	TOKYO	16979.950	19	10	0452			SOUND OF HOPE		BC		A3E	121	E	02	23	N	32	239	B	11	TAIWAN
J	TOKYO	16979.980	25	11	0627			SOUND OF HOPE		BC		A3E	120	E	48	22	N	43	238	B	11	TAIWAN
J	TOKYO	16979.980	02	12	0531				CHN	BC		A3E	120	E	40	22	N	58	239	B		TAIWAN
J	TOKYO	16979.990	09	12	0150			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	16980.000	05	10	0649	0649	11.8		CHN	BC		A3E									11	
KOR	CRMS	16980.000	26	11	0653	0653	19.0		CHN	BC		A3E									11	
KOR	CRMS	16980.000	30	11	0732	0732	30.0		PHL	BC		A3E									11	
KOR	CRMS	16980.000	23	12	0512	0512	33.0		CHN	BC		A3E									3	
J	TOKYO	16990.000	12	10	0626			HLO		FC		A1A										
J	TOKYO	16990.000	25	10	0154			HLO		FC		A1A										
J	TOKYO	16990.000	04	11	0029			HLO		FC		A1A	126	E	52	37	N	17	283	A		
J	TOKYO	16990.000	16	11	0812			HLO		FC		A1A										
J	TOKYO	16990.000	25	11	0628			HLO		FC		A1A										
J	TOKYO	16990.000	09	12	0151			HLO		FC		A1A										
I	ROMA	16990.000	16	12	0835	0838	5.0	HLO	KOR	FC	100HE	A1A							47	B		
J	TOKYO	17003.800	09	12	0156				AUS				130	E	49	12	S	40	192	A		
J	TOKYO	17070.330	04	11	0037			SOUND OF HOPE		BC		A3E	129	E	06	35	N	23	272	B	11	KOR
J	TOKYO	17088.000	05	10	0911				CHN			F1B	086	E	48	44	N	18	299	B		
J	TOKYO	17099.500	09	12	0158														116	A		
J	TOKYO	17118.800	04	11	0044				AUS				147	E	07	19	S	30	172	B		
I	ROMA	17125.400	17	12	0906	0908	12.0		POR	FX	3K00E	G1D							264	A		STANAG 4285 2400BD
G	BALDOCK	17125.400	23	12	1210			CTA	POR	FX		G1D							209	A		
J	TOKYO	17127.500	27	12	1025														151	C		
I	ROMA	17129.000	17	12	0904	0905	23.0		POR	FX	3K00E	G1D							264	A		STANAG 4285 2400BD
G	BALDOCK	17129.000	23	12	1214			CTA	POR	FX		G1D							208	A		256 ELEMENT FRAME RATE
J	TOKYO	17130.000	12	10	0635			HLW		FC		A1A										
J	TOKYO	17130.000	19	10	0456			HLW		FC		A1A										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	17130.000	25	10	0156			HLW		FC		A1A										
J	TOKYO	17130.000	04	11	0047			HLW		FC		A1A	126	E	45	37	N	12	282	B		
J	TOKYO	17130.000	02	12	0535			HLW		FC		A1A										
J	TOKYO	17130.000	09	12	0202			HLW		FC		A1A										
I	ROMA	17130.000	17	12	0759	0800	2.0	HLW	KOR	FC	100HE	A1A							46	A		
J	TOKYO	17149.860	05	10	0917			SOUND OF HOPE		BC		A3E	120	E	37	23	N	52	241	A	11	TAIWAN
J	TOKYO	17149.890	04	11	0051			SOUND OF HOPE		BC		A3E	121	E	15	25	N	07	242	B	11	TAIWAN
J	TOKYO	17149.890	16	11	0905			SOUND OF HOPE		BC		A3E	120	E	30	23	N	19	240	B	11	TAIWAN
J	TOKYO	17149.900	09	12	0203			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	17149.920	02	12	0537			SOUND OF HOPE		BC		A3E	121	E	20	25	N	00	242	B	11	TAIWAN
J	TOKYO	17149.960	21	12	0010			SOUND OF HOPE		BC		A3E	121	E	47	24	N	42	241	B	11	TAIWAN
J	TOKYO	17150.000	12	10	0636			CHINA N.R.		BC		A3E	116	E	39	39	N	46	289	B	11	
J	TOKYO	17150.000	19	10	0457				CHN	BC		A3E	119	E	37	28	N	14	253	A		
J	TOKYO	17150.000	25	10	0158			CHINA N.R.		BC		A3E	113	E	19	34	N	52	276	A	11	
J	TOKYO	17150.000	04	11	0051				CHN	BC		A3E	115	E	27	28	N	42	259	B		
J	TOKYO	17150.000	16	11	0820			CHINA N.R.		BC		A3E	115	E	34	39	N	28	288	A	11	
KOR	CRMS	17150.000	17	11	0047	0047	24.0		CHN	BC		A3E									11	
J	TOKYO	17150.000	25	11	0629			CHINA N.R.		BC		A3E									11	
I	ROMA	17190.000	17	12	0900	0901	32.0	RADAR	RUS	FX	20K0E	PXX							48	A		OTH
J	TOKYO	17230.300	25	10	0201				AUS				147	E	12	19	S	44	172	A		
G	BALDOCK	17239.400	23	12	1218			?	E	FX		G1D							193	B		
G	BALDOCK	17341.000	23	12	1221			?	I	FL		J3E							126	A		
J	TOKYO	17398.000	19	10	0505				CHN			J3E	113	E	53	23	N	03	248	A		
J	TOKYO	17398.000	25	10	0203			GUANGZHOU		FC		J3E										
KOR	CRMS	17400.000	25	10	0522	0522	15.7		CHN	BC		A3E									6	
KOR	CRMS	17400.000	28	10	0528	0528	21.0		CHN	BC		A3E									11	
KOR	CRMS	17400.000	23	11	0657	0657	18.5		CHN	BC		A3E									11	
KOR	CRMS	17400.000	22	12	0042	0042	18.7		CHN	BC		A3E									11	
J	TOKYO	17400.230	19	10	0507			SOUND OF HOPE		BC		A3E	106	E	58	47	N	51	307	B	11	MNG
J	TOKYO	17400.230	02	12	0539			SOUND OF HOPE		BC		A3E	106	E	44	48	N	18	307	B	11	MNG
J	TOKYO	17400.240	12	10	0637			SOUND OF HOPE		BC		A3E	107	E	05	47	N	59	242	B	11	MNG
J	TOKYO	17400.240	25	10	0203			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	17400.240	09	12	0209			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	17400.250	21	12	0019			SOUND OF HOPE		BC		A3E	106	E	59	48	N	00	307	B	11	MNG
J	TOKYO	17420.200	25	10	0205			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	17440.000	23	10	1002	1002	14.1		CHN	BC		A3E									11	
KOR	CRMS	17440.000	25	10	0522	0522	31.6		CHN	BC		A3E									6	
KOR	CRMS	17440.000	21	12	0637	0637	7.1		CHN	BC		A3E									11	
J	TOKYO	17440.250	25	10	0206			SOUND OF HOPE		BC		A3E									11	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	17440.250	04	11	0059			SOUND OF HOPE		BC		A3E	121	E	20	25	N	02	242	B	11	TAIWAN
J	TOKYO	17440.250	25	11	0633			SOUND OF HOPE		BC		A3E	120	E	52	24	N	26	242	B	11	TAIWAN
J	TOKYO	17440.270	12	10	0638			SOUND OF HOPE		BC		A3E	120	E	28	22	N	49	239	B	11	TAIWAN
G	BALDOCK	17442.000	23	12	1225			?	RUS	FX									66	A		MFSK CIS40
J	TOKYO	17460.000	02	12	0540							F1B							325	C		
J	TOKYO	17471.000	21	12	0025				RUS			F1B	137	E	06	50	N	32	351	A		
KOR	CRMS	17485.000	28	12	0626	0626	45.7	CRI	CHN	BC		A3E									11	
KOR	CRMS	17490.000	22	12	0042	0042	34.2	CRI	CHN	BC		A3E									6	
G	BALDOCK	17490.000	23	12	1230			CHINA RADIO INTERNATIONAL	CHN	BC		A3E							76	A		KASHI-SAIBAGH TX SITE
KOR	CRMS	17510.000	27	12	0435	0435	54.1	CRI	CHN	BC		A3E									3	
KOR	CRMS	17525.000	24	11	0049	0049	39.5		CHN	BC		A3E									6	
KOR	CRMS	17525.000	22	12	0043	0043	28.2		THA	BC		A3E									6	
KOR	CRMS	17525.000	30	12	0334	0334	33.7		CHN	BC		A3E									6	
KOR	CRMS	17530.000	21	10	0433	0433	24.4		MDG	BC		A3E									6	
G	BALDOCK	17530.000	23	12	1238			RADIO FARDA	THA	BC		A3E							68	B		UDON THANI TX SITE
KOR	CRMS	17530.000	27	12	0436	0436	26.2		CHN	BC		A3E									3	
KOR	CRMS	17540.000	30	12	0334	0334	28.9	CRI	CHN	BC		A3E									11	
KOR	CRMS	17550.000	29	11	0446	0446	41.1		CHN	BC		A3E									6	
KOR	CRMS	17550.000	31	12	0425	0425	16.7	CNR	CHN	BC		A3E									11	
KOR	CRMS	17560.000	19	10	0759	0759	22.5		CHN	BC		A3E									6	
KOR	CRMS	17565.000	27	12	0436	0436	27.2	CNR	CHN	BC		A3E									3	
KOR	CRMS	17580.000	30	12	0334	0334	20.4	CNR	CHN	BC		A3E									6	
KOR	CRMS	17595.000	27	12	0436	0436	27.4	CNR	CHN	BC		A3E									6	
KOR	CRMS	17605.000	26	10	0754	0754	17.2	CNR	CHN	BC		A3E									3	
KOR	CRMS	17605.000	31	12	0425	0425	14.9	CNR	CHN	BC		A3E									11	
KOR	CRMS	17615.000	28	12	0626	0626	41.0	CRI	CHN	BC		A3E									11	
KOR	CRMS	17625.000	09	11	0750	0750	10.7		CHN	BC		A3E									6	
KOR	CRMS	17625.000	22	12	0044	0044	12.3		CHN	BC		A3E									11	
G	BALDOCK	17625.000	23	12	1239			RADIO SAUDI	ARS	BC		A3E							123	A		RIYADH TX
KOR	CRMS	17635.000	22	10	0641	0641	32.3		KWT	BC		A3E									6	
KOR	CRMS	17640.000	28	10	0530	0530	20.4	NBT	THA	BC		A3E									3	
KOR	CRMS	17640.000	31	12	0426	0426	67.2	CRI	CHN	BC		A3E									6	
KOR	CRMS	17650.000	29	12	0028	0028	34.4		CHN	BC		A3E									3	
KOR	CRMS	17660.000	28	10	0531	0531	45.4		CHN	BC		A3E									6	
KOR	CRMS	17660.000	23	11	0659	0659	55.7		CHN	BC		A3E									6	
G	BALDOCK	17660.000	23	12	1249			RADIO FRANCE INTERNATIONAL	F	BC		A3E							156	C		FRENCH BCST
KOR	CRMS	17660.000	27	12	0438	0438	52.2		CHN	BC		A3E									11	
I	ROMA	17670.000	19	10	1115	1120	7.0	R ROMANIA INTERNATIO	ROU	BC	10K0E	A3E										Eng

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KOR	CRMS	17670.000	30	10	0106	0106	40.2		USA	BC		A3E									6	
KOR	CRMS	17675.000	07	12	0640	0640	8.2		CHN	BC		A3E									6	
KOR	CRMS	17680.000	28	10	0531	0531	31.3		CHN	BC		A3E									6	
KOR	CRMS	17680.000	28	10	1226	1226	32.4		PHL	BC		A3E									6	
KOR	CRMS	17690.000	05	10	0651	0651	21.5		KWT	BC		A3E									6	
KOR	CRMS	17690.000	21	10	0435	0435	49.3		USA	BC		A3E									6	
KOR	CRMS	17690.000	28	10	0532	0532	50.1		CHN	BC		A3E									6	
KOR	CRMS	17710.000	21	12	0639	0639	27.1		CHN	BC		A3E									11	
KOR	CRMS	17720.000	25	10	0527	0527	24.5		CHN	BC		A3E									6	
KOR	CRMS	17720.000	28	12	0627	0627	35.0	CRI	CHN	BC		A3E									3	
KOR	CRMS	17730.000	27	12	0438	0438	53.0	CRI	CHN	BC		A3E									11	
KOR	CRMS	17740.000	25	10	0528	0528	59.3		CHN	BC		A3E									6	
KOR	CRMS	17740.000	27	12	0438	0438	51.1	CRI	CHN	BC		A3E									3	
J	TOKYO	17770.000	12	10	0646				CHN	BC		D7W	109	E	05	19	N	10	247	B		
J	TOKYO	17770.000	25	11	0635				CHN	BC		D7W	110	E	06	19	N	28	247	B		
J	TOKYO	17800.000	25	11	0636			CHINA N.R.		BC		D7W	103	E	00	25	N	06	262	B		
J	TOKYO	17800.000	02	12	0549			CHINA N.R.		BC		D7W	102	E	44	25	N	00	262	B		
G	BALDOCK	17800.000	23	12	1251			RADIO ROMANIA INTERNATIONAL	ROU	BC		A3E							94	A		GALBENI-BACAU TX
KOR	CRMS	17800.000	29	12	0029	0029	33.6		CHN	BC		A3E									3	
KOR	CRMS	17810.000	30	12	0338	0338	33.7	NHK	J	BC		A3E									6	
KOR	CRMS	17815.000	05	11	0705	0705	17.8		CHN	BC		A3E									6	
KOR	CRMS	17820.000	24	11	0500	0500	43.4		CHN	BC		A3E									6	
KOR	CRMS	17820.000	22	12	0045	0045	48.7		CHN	BC	9K77E	A3E									11	
J	TOKYO	17830.000	12	10	0647			CHINA N.R.		BC		D7W	086	E	45	44	N	41	300	B		
J	TOKYO	17830.000	25	11	0637			CHINA N.R.		BC		D7W	087	E	43	43	N	48	298	B		
J	TOKYO	17830.000	02	12	0550				CHN	BC		D7W	087	E	37	43	N	30	297	B		
KOR	CRMS	17840.000	07	12	0642	0642	30.4		CHN	BC		A3E									6	
KOR	CRMS	17855.000	24	10	0439	0439	18.9	CRI	CHN	BC		A3E									3	
KOR	CRMS	17880.000	25	10	0529	0529	25.0		THA	BC		A3E									6	
G	BALDOCK	17880.000	23	12				MASHAAL RADIO	D	BC		A3E							109	B		BIBLIS TX SITE
KOR	CRMS	17890.000	22	12	0046	0046	16.3		CHN	BC		A3E									11	
J	TOKYO	17904.000	25	10	0218			SAN FRANCISCO		FA		J3E										
J	TOKYO	17904.000	09	12	0215			SAN FRANCISCO		FA		J3E										
J	TOKYO	17916.000	09	12	0218			AUCKLAND		FA		J2D										
J	TOKYO	17919.000	09	11	1036			GUAM		FA		J2D										
J	TOKYO	17919.000	25	11	0638			GUAM		FA		J2D										
J	TOKYO	17919.000	02	12	0553			GUAM		FA		J2D										
J	TOKYO	17919.000	09	12	0218			GUAM		FA		J2D										
J	TOKYO	17919.000	21	12	0033			GUAM		FA		J2D										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	17958.000	04	11	0109			MUAN		FA		J2D										
J	TOKYO	17958.000	25	11	0642			MUAN		FA		J2D										
J	TOKYO	17958.000	09	12	0248			MUAN		FA		J2D										
I	ROMA	18010.000	17	12	0750		25.0	RADAR OTH	CYP	FX	20K0	PXX							106	A		OTH RADAR
J	TOKYO	18017.750	08	11	2346				USA				144	E	34	13	N	22	169	A		GUM
J	TOKYO	18040.000	21	12	0132				CHN			H3E	121	E	33	24	N	59	242	B		TAIWAN
I	ROMA	18050.000	17	12	0750	0755	49.0	RADAR OTH	CYP	FX	20K0	PXX							106	A		OTH RADAR
J	TOKYO	18060.000	12	10	0748				AUS			F3C	120	E	25	22	S	00	201	B		
J	TOKYO	18060.000	19	10	0608				AUS			F3C	120	E	06	27	S	08	200	B		
J	TOKYO	18060.000	25	11	0749			VMW				F3C	117	E	45	32	S	32	200	B		
J	TOKYO	18060.000	02	12	0604				AUS			F3C	122	E	32	21	S	45	199	B		
J	TOKYO	18060.000	21	12	0138				AUS			F3C	121	E	52	20	S	13	200	B		
J	TOKYO	18060.000	26	12	2348				AUS			F3C	122	E	11	21	S	20	199	B		
G	BALDOCK	18110.000	03	12	1535			4X6TU (TEL AVIV)	ISR	AT		A1A							115	A		PROPAGATION BEACON
G	BALDOCK	18110.000	03	12	1535			CS3B (SANT DE SERRA)	POR	AT		A1A							221	A		PROPAGATION BEACON
G	BALDOCK	18110.000	03	12	1536			VE8AT (EUREKA)	CAN	AT		A1A							343	B		PROPAGATION BEACON
G	BALDOCK	18110.000	03	12	1536			YV5B (CARACAS)	VEN	AT		A1A							257	A		PROPAGATION BEACON
G	BALDOCK	18110.000	03	12	1544			ZS6DN (PRETORIA)	AFS	AT		A1A							157	B		PROPAGATION BEACON
G	BALDOCK	18110.000	03	12	1544			OH2B (LOHJA)	FIN	AT		A1A	022	E	54	59	N	58	49	A		PROPAGATION BEACON
G	BALDOCK	18110.000	03	12	1545			4U1UN (NEW YORK)	USA	AT		A1A							286	B		PROPAGATION BEACON
G	BALDOCK	18110.000	05	12	0852			RR9O (NOVOSIBIRSK)	RUS	AT		A1A	073	E	46	57	N	34	52	A		PROPAGATION BEACON
G	BALDOCK	18110.000	05	12	0911			5Z4B (KARIOBANGI)	KEN	AT		A1A							136	A		PROPAGATION BEACON
I	ROMA	18135.000	19	10	1115	1118	5.0	LA6***	NOR	AT	3K70E	J3E										Eng
I	ROMA	18135.000	19	10	1116	1118	1.0	RC1TC	RUS	AT	3K10E	J3E										Eng
I	ROMA	18145.000	11	11	1104	1110	5.0	M0***	G	AT	2K70E	J3E										
J	TOKYO	18179.780	12	10	0754			SOUND OF HOPE		BC		A3E	121	E	07	24	N	33	241	A	11	TAIWAN
J	TOKYO	18179.830	19	10	0612			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	18179.860	25	10	0417			SOUND OF HOPE		BC		A3E	121	E	17	23	N	53	240	B	11	TAIWAN
J	TOKYO	18179.900	25	11	0755			SOUND OF HOPE		BC		A3E	121	E	29	24	N	58	242	B	11	TAIWAN
J	TOKYO	18179.900	09	12	0417			SOUND OF HOPE		BC		A3E	120	E	43	23	N	30	240	B	11	TAIWAN
KOR	CRMS	18180.000	26	10	0758	0758	24.6		CHN	BC		A3E									6	
J	TOKYO	18180.000	08	11	2357			SOUND OF HOPE		BC		A3E	121	E	30	24	N	59	242	A	11	TAIWAN
KOR	CRMS	18180.000	23	12	0520	0520	6.0		CHN	BC		A3E									3	
KOR	CRMS	18180.000	28	12	0628	0628	16.5		CHN	BC		A3E									3	
J	TOKYO	18199.900	21	12	0141			SOUND OF HOPE		BC		A3E	126	E	34	33	N	20	263	B	11	KOR
J	TOKYO	18306.800	05	10	1008				AUS				132	E	31	13	S	32	190	B		
J	TOKYO	18320.000	12	10	0758				CHN				113	E	48	35	N	11	276	B		
I	ROMA	18366.800	24	12	1203	1208	16.0		SEN	FX	3K00E	G1D							231	A		STANAG 4285
J	TOKYO	18370.000	25	10	0424				USA			F1B	144	E	47	13	N	29	168	A		GUM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	18370.000	16	11	1004				USA			F1B	144	E	52	13	N	33	168	B		GUM
J	TOKYO	18370.000	25	11	0804				USA			F1B	144	E	36	13	N	31	169	A		
J	TOKYO	18370.000	09	12	0423				USA			F1B	144	E	32	13	N	29	169	A		GUM
J	TOKYO	18442.750	12	10	0810				AUS				145	E	04	17	S	21	174	B		
I	ROMA	18495.300	24	12	1209	1212	12.0		DJI	FX	3K00E	G1D							128	A		STANAG 4285
J	TOKYO	18600.180	02	12	0612														153	C		
G	BALDOCK	18630.000	31	12	1250			CYPRUS PULSE	CYP	LR		P0N							115	A		
J	TOKYO	18696.000	25	10	0429				CHN			F1B	109	E	09	40	N	06	290	A		
J	TOKYO	18696.000	09	12	0429				KRE			F1B	126	E	43	40	N	54	300	A		
I	ROMA	18696.000	24	12	1319	1321	16.0	1EB41EB2952	RUS	FX	270HE	F1B							38	A		50BD
G	BALDOCK	18705.000	31	12	1112					BC		A3E										
G	BALDOCK	18739.000	31	12	1112					BC		A3E										
J	TOKYO	18899.650	09	11	0101			SOUND OF HOPE		BC		A3E	121	E	42	25	N	03	242	B	11	TAIWAN
J	TOKYO	18899.670	27	12	0100			SOUND OF HOPE		BC		A3E							240	D	11	
J	TOKYO	18899.900	09	11	0009			CHINA N.R.		BC		A3E	129	E	11	47	N	05	327	B	11	
J	TOKYO	18900.000	12	10	0816			CHINA N.R.		BC		A3E	108	E	35	19	N	01	248	B	11	
J	TOKYO	18900.000	19	10	0619			CHINA N.R.		BC		A3E									11	
J	TOKYO	18900.000	02	12	0615			CHINA N.R.		BC		A3E	108	E	49	19	N	16	248	B	11	
J	TOKYO	18900.000	21	12	0152			CHINA N.R.		BC		A3E	109	E	13	19	N	14	247	B	11	
J	TOKYO	18900.000	27	12	0012				CHN	BC		A3E	110	E	25	19	N	39	246	B		
KOR	CRMS	18970.000	17	11	0056	0056	28.0		CHN	BC		A3E									6	
J	TOKYO	19051.810	19	10	0623				AUS				132	E	28	14	S	10	190	B		
I	ROMA	19053.600	24	12	1325	1328	25.0		CYP	FX	3K00E	G1D							107	A		STANAG 4285
J	TOKYO	19148.750	12	10	0825				AUS				144	E	10	15	S	19	175	B		
J	TOKYO	19151.750	09	11	0016				AUS				146	E	52	19	S	19	172	B		
J	TOKYO	19475.900	19	10	0627				CHN				114	E	11	35	N	33	278	B		
G	BALDOCK	19688.000	31	12	1108			?	RUS	FC		F1B	034	E	23	68	N	51	31	A		50 BAUD
J	TOKYO	19711.500	09	12	0510				AUS			J2D	113	E	54	22	S	15	207	A		
J	TOKYO	19712.780	16	11	1016				AUS				131	E	53	16	S	52	190	B		
J	TOKYO	19712.780	02	12	0618				AUS				131	E	07	12	S	43	192	B		
G	BALDOCK	19712.800	31	12	1135			?		FX		G1D							65	B		
I	ROMA	19936.000	28	12	1015	1015	16.0	1EB41EF2952	RUS	FX	250HE	F1B							40	A		50 BD
G	BALDOCK	19936.000	31	12	1053			?	RUS	FX		F1B	030	E	45	55	N	55	64	A		50 BD
I	ROMA	20047.700	28	12	1032	1036		D	RUS	RN	100HE	A1A										REPEATS THE LETTER D
G	BALDOCK	20047.700	31	12	1049			D BEACON	RUS	RN		A1A							97	A		MORSE
I	ROMA	20047.900	28	12	1037	1037		S	RUS	RN	100HE	A1A										REPEATS THE LETTER S
J	TOKYO	20281.750	12	10	0847				AUS				143	E	23	14	S	21	176	B		
J	TOKYO	20367.820	16	11	1028				AUS				132	E	21	15	S	46	190	B		
J	TOKYO	20469.000	12	10	0851				AUS			F3C	143	E	41	37	S	19	177	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	20469.000	19	10	0638				AUS			F3C	146	E	40	29	S	32	174	B		
J	TOKYO	20469.000	25	10	0450				AUS			F3C	145	E	57	24	S	21	174	A		
J	TOKYO	20469.000	09	11	0048			AUSTRALLIAN GOVERNME				F3C	144	E	38	37	S	52	176	A		
J	TOKYO	20469.000	25	11	0838			VMC				F3C	147	E	43	33	S	31	173	A		
J	TOKYO	20469.000	02	12	0624				AUS			F3C	146	E	29	25	S	14	174	B		
J	TOKYO	20469.000	21	12	0207				AUS			F3C	145	E	53	37	S	20	175	B		
J	TOKYO	20640.000	12	10	0857							F1B							316	C		
I	ROMA	20815.500	28	12	1024	1029	23.0		RUS	FX	3K00E	J2D							40	A		MFSK
G	BALDOCK	21012.000	31	12	1044			SK75AT		FX		A1A										
G	BALDOCK	21150.000	03	12	1547			CS3B (SANTO DE SERRA)	POR	AT		A1A							220	A		PROPAGATION BEACON
G	BALDOCK	21150.000	03	12	1548			YV5B (CARACAS)	VEN	AT		A1A							257	B		PROPAGATION BEACON
G	BALDOCK	21150.000	19	12	0949			VK6RBP (ROLYSTONE)	AUS	AT		A1A										PROPAGATION BEACON
G	BALDOCK	21150.000	19	12	1235			4U1UN (NEW YORK)	USA	AT		A1A							288	B		PROPAGATION BEACON
G	BALDOCK	21150.000	19	12	1235			LU4AA (BUENOS AIRES)	VEN	AT		A1A										PROPAGATION BEACON
G	BALDOCK	21150.000	23	12	0930			5Z4B (KARIOBANGI)	KEN	AT		A1A							136	A		PROPAGATION BEACON
G	BALDOCK	21150.000	23	12	0932			RR9O (NOVOSIBIRSK)	RUS	AT		A1A	073	E	46	57	N	34	52	A		PROPAGATION BEACON
G	BALDOCK	21150.000	23	12	1115			OH2B (LOHJA)	FIN	AT		A1A	022	E	54	59	N	58	49	A		PROPAGATION BEACON
G	BALDOCK	21150.000	23	12	1115			4X6TU (TEL AVIV)	ISR	AT		A1A							115	A		PROPAGATION BEACON
KOR	CRMS	21480.000	11	11	0608	0608	38.3		CHN	BC		A3E									6	
KOR	CRMS	21505.000	27	10	0419	0419	40.4		CHN	BC		A3E									6	
G	BALDOCK	21525.000	23	12	1715			WRMI	USA	BC		A3E							279	A		OKEECHOBEE
KOR	CRMS	21530.000	25	10	0621	0621	-0.7		CHN	BC		A3E									6	
KOR	CRMS	21530.000	11	11	0608	0608	58.1		CHN	BC	8K86E	A3E									6	
G	BALDOCK	21580.000	31	12	1030			RADIO FRANCE INTERNATIONAL COVID-19 PX	F	BC		A3E							148	A		ISSOUDUN TX SITE
KOR	CRMS	21670.000	12	10	0937	0937	18.2		ARS	BC		A3E									6	
G	BALDOCK	21670.000	31	12	1030			R. SAUDI INTERNATIONAL	ARS	BC		A3E							110	A		RIYADH TX
KOR	CRMS	21785.000	17	11	0400	0400	34.0		CHN	BC		A3E									6	
KOR	CRMS	21795.000	28	10	0730	0730	2.4		CHN	BC		A3E									6	
KOR	CRMS	21800.000	14	10	0609	0609	38.0		CHN	BC		A3E									6	
KOR	CRMS	21800.000	28	10	0731	0731	14.0		CHN	BC		A3E									6	
KOR	CRMS	21800.000	01	11	0720	0720	37.4		CHN	BC		A3E									6	
KOR	CRMS	21800.000	11	11	0609	0609	45.1		CHN	BC		A3E									6	
J	TOKYO	21928.000	05	10	1019			GUAM		FA		J2D										
J	TOKYO	21928.000	19	10	0614			GUAM		FA		J2D										
J	TOKYO	21928.000	25	10	0425			GUAM		FA		J2D										
J	TOKYO	21928.000	04	11	0139			GUAM		FA		J2D										
J	TOKYO	21928.000	16	11	1031			GUAM		FA		J2D										
J	TOKYO	21928.000	30	11	0800			GUAM		FA		J2D										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
J	TOKYO	21928.000	02	12	0614			GUAM		FA		J2D										
J	TOKYO	21928.000	09	12	0426			GUAM		FA		J2D										
J	TOKYO	21928.000	21	12	0136			GUAM		FA		J2D										
I	ROMA	21928.000	29	12	0722	0725		016 AGANA CH 16	USA	MA	3K10	J2D										HFDL 1800 BD
J	TOKYO	21931.000	09	12	0445			MUAN		FA		J2D										
J	TOKYO	21937.000	04	11	0142			MOLOKAI		FA		J2D										
J	TOKYO	21937.000	09	12	0426			MUAN		FA		J2D										
J	TOKYO	21949.000	25	10	0459			HAT YAI		FA		J2D										
J	TOKYO	21949.000	04	11	0144			HAT YAI		FA		J2D										
J	TOKYO	21949.000	30	11	0807			HAT YAI		FA		J2D										
J	TOKYO	21949.000	09	12	0451			HAT YAI		FA		J2D										
I	ROMA	21949.000	29	12	0716	0721		006 HAT YAI CH1	THA	MA	3K00E	J2D										HFDL 1800 BD
I	ROMA	21955.000	28	12	1049	1049		017 TELDE CH 1	E	MA	3K00E	J2D										HFDL 1800 BD
J	TOKYO	22376.000	21	12	0142			NMO				F1B										
J	TOKYO	22387.500	02	12	0620							F1B							316	C		
G	BALDOCK	22387.500	27	12	1405			OLYMPIA RADIO	GRC	FC		F1B							125	A		
I	ROMA	22413.000	28	12	1053	1055	23.0		RUS	FX	250HE	F1B							37	A		
HNG	TARNOK	22448.744	06	10	1400	1600	29.0				3K00E	G1D										STANAG-4285
I	ROMA	22448.800	28	12	1056	1059	8.0	FUV	DJI	FX	3K00E	G1D							128	A		STANAG 4285
J	TOKYO	22462.900	25	10	0436				F			J2B	165	E	18	21	S	28	153	A		NCL
I	ROMA	22526.000	30	12	0812	0814	2.0	1414BEBE952	RUS	FX	250HE	F1B							70	A		50BD
J	TOKYO	22556.500	21	12	0152							J3E							246	D		
J	TOKYO	22566.830	04	11	0144				AUS				145	E	24	32	S	14	175	B		
J	TOKYO	22611.500	12	10	0808			HLF		FC		A1A										
J	TOKYO	22611.510	09	12	0517			HLF		FC		A1A										
J	TOKYO	22611.520	21	12	0154			HLG		FC		A1A										
HNG	TARNOK	22611.530	10	10	0843	0852	13.6	HLF	KOR	FX	100HE	A1A										
J	TOKYO	22641.300	09	12	0437				AUS			J2B	115	E	58	23	S	37	205	B		
J	TOKYO	22641.500	09	11	0001				AUS			J2D	145	E	33	30	S	30	175	A		
J	TOKYO	22689.000	25	10	0511				CHN				110	E	13	40	N	20	290	B		
J	TOKYO	22940.000	12	10	0813				RUS			F1B	013	E	21	51	N	44	318	B		
HNG	TARNOK	23060.000	18	10	1600	1800	13.2			BC	10K0E	A3E									11	ARABIC
HNG	TARNOK	23452.000	26	10	0830	1200	28.0				400H	F1B										200Hz, 50BD
HNG	TARNOK	23860.780	03	11	0700	2400	13.7				1K70	F1B										850Hz
HNG	TARNOK	24044.000	07	11	0835	2400	13.6				800HE	F7B										FT8
G	BALDOCK	24300.300	23	12	1202			?	D	FX		G1D							88	A		
HNG	TARNOK	24915.000	25	11	0800	1230	14.2			AT	800HE	F7B										FT8
G	BALDOCK	24930.000	19	12	1230			VK6RBP (ROLYSTONE)	AUS	AT		A1A										PROPAGATION BEACON
G	BALDOCK	24930.000	19	12	1230			4X6TU (TEL AVIV)	ISR	AT		A1A							115	A		PROPAGATION BEACON

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
G	BALDOCK	24930.000	19	12	1230			CS3B (SANTO DE SERRA)	POR	AT		A1A							217	B		PROPAGATION BEACON
G	BALDOCK	24930.000	19	12	1240			LU4AA (BUENOS AIRES)	ARG	AT		A1A							227	A		PROPOGATION BEACON
G	BALDOCK	24930.000	23	12	1100			5Z4B (KARIOBANGI)	KEN	AT		A1A							136	A		PROPAGATION BEACON
J	TOKYO	25065.000	09	11	0025					BC		A3E										
INS	MSTM-MEDAN	27272.600	22	12	0150	0200	4.0	--		FX	H500E	N0N										signal tone
INS	MSTM-MEDAN	27284.000	22	12	0215	0220	5.0	radio communication	INS	FX	2K80E	J3E										unidentified conversation
INS	MSTM-MEDAN	27352.000	22	12	0305	0315	3.0	radio communication	INS	FX	2K80E	J3E										unidentified conversation
INS	MSTM-MEDAN	27455.000	23	12	0125	0135	5.0	--		FX	H500E	N0N										Signal tone
INS	MSTM-MEDAN	27484.000	23	12	0145	0205	0.0	--		FX	H500E	N0N										Signal tone
INS	MSTM-MEDAN	27664.000	24	12			3.0	radio communication	INS	FX	2K80E	J3E										unidentified conversation