



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°: **374**

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: **01.04.22 - 30.06.22**

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: **04.04.23**

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
J	TOKYO	2875.850	13	04	1000							A1A										
I	ROMA	2905.000	03	04	1913	2028	2.0	INTRUDERS USB			2K70E	J3E									3	MUSIC
I	ROMA	2920.000	18	04	2055	2112	17.0	INTRUDERS USB			2K70E	J3E									3	RUSSIAN LANGUAGE
I	ROMA	2930.000	05	04	0031	0031	7.0	314		FX	3K10E	J3E										141A (ALE)
I	ROMA	2941.000	05	04	0025	0030	11.0	ROSTOV VOLMET	RUS	AL	2K70E	J3E										VOLMET
D	KONSTANZ	2987.408	07	04	0000	0400				FX	2K86	G1D							14			NOR/S
D	KONSTANZ	3024.700	12	04	1705	2400			G	FX	2K60E	G1D							308			A OF MANCHESTER
J	TOKYO	3051.530	13	04	1004				KRE			A3E	125	E	30	39	N	06	291	A		
INS	MSTM-MEDAN	3080.000	23	06	0500	0510	9.0			FX	1K50E	N0N										Signal Tone
J	TOKYO	3115.370	13	04	1007							A1A							286	C		
J	TOKYO	3205.000	05	04	2348				KRE	BC		D7W	126	E	19	39	N	04	291	A		
J	TOKYO	3205.000	13	04	1009				KRE	BC		D7W	125	E	30	39	N	01	299	A		
J	TOKYO	3219.840	13	04	1011			KOREAN CENTRAL B.S.		BC		A3E									11	
INS	MSTM-MEDAN	3227.000	23	06	0400	0410	10.0			FX	1K80E	N0N										Signal Tone
J	TOKYO	3250.000	05	04	2351			KOREAN CENTRAL B.S.		BC		A3E									11	
J	TOKYO	3250.000	13	04	1012			KOREAN CENTRAL B.S.		BC		A3E									11	
J	TOKYO	3250.000	26	05	1018				KRE	BC		A3E	125	E	33	39	N	08	291	A		
INS	MSPA-SAMARINDA	3310.000	22	06	0915	0923	40.2	R.Mosoj Chaski	BOL	BC	9K00E	A3E										
J	TOKYO	3320.000	05	04	2353			PYONGYANG B.S.		BC		A3E									11	
J	TOKYO	3320.000	13	04	1014			PYONGYANG B.S.		BC		A3E									11	
KOR	CRMS	3320.000	19	04	0436	0436	-21.3		KRE	BC		A3E									11	
KOR	CRMS	3320.000	12	05	0119	0119	-18.2		KRE	BC		A3E									11	
J	TOKYO	3320.000	26	05	1021				KRE	BC		A3E	125	E	19	39	N	41	292	A		
KOR	CRMS	3320.000	15	06	0633	0633	-17.2		KRE	BC		A3E									11	
INS	MSPA-SAMARINDA	3320.000	22	06	0923	0935	40.5	KCBS PYONGYANG	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	3325.000	22	06	1035	1050	39.8	VOICE OF INDONESIA	INS	BC	9K00E	A3E										RRI PALANGKARAYA
INS	MSPA-SAMARINDA	3330.000	22	06	1110	1115	38.2	CHU . Canada	CAN	BC	9K00E	A3E										
I	ROMA	3340.000	19	04	1845	1946	20.0			BC	9K00E	A3E									3	
INS	MSPA-SAMARINDA	3345.000	22	06	2327	2332	38.7	RRI Ternate	INS	BC	9K00E	A3E										
INS	MSTM-MEDAN	3359.300	22	06	0512	0515	11.0			FX	1K80E	N0N										SIGNAL TONE
INS	MSTM-MEDAN	3376.600	22	06	0535	0600	8.0			FX	1K50E	N0N										SIGNAL TONE
J	TOKYO	3394.000	13	04	1021							F1B							324	A		
I	ROMA	3400.000	19	04	1742	1743	11.0	INTRUDERS USB	GRC		3K30E	J3E									3	
D	KONSTANZ	3414.830	13	04	0000	0814			IRL		3K00E	J3E							300			
D	KONSTANZ	3414.830	13	04	1610	2400			IRL		3K00E	J3E							300			
D	KONSTANZ	3414.830	14	04	0000	0820			IRL		3K00E	J3E							300			
D	KONSTANZ	3414.830	14	04	0000	2400			IRL		3K00E	J3E							300			
D	KONSTANZ	3414.830	15	04	1630	2400			IRL		3K00E	J3E							300			
D	KONSTANZ	3420.600	14	04	0400	0836				MS	100HE	A1A	013	W	24	52	N	04	297			N ATLANTIC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	3421.900	13	04	0000	0355			RUS	FX	3K20	G1D							49			A OF MOSCOW
D	KONSTANZ	3421.900	13	04	1730	2400			RUS	FX	3K20	G1D							49			A OF MOSCOW
D	KONSTANZ	3421.900	14	04	0000	0415			RUS	FX	3K20	G1D							49			A OF MOSCOW
D	KONSTANZ	3421.900	14	04	1718	2400			RUS	FX	3K20	G1D							49			A OF MOSCOW
D	KONSTANZ	3421.900	15	04	1600	2400			RUS	FX	3K20	G1D							49			A OF MOSCOW
D	KONSTANZ	3426.720	16	04	2252	2400				FX	1K32	G1D							89			RUS/AZE
D	KONSTANZ	3466.700	16	04	0000	0242				FX	1K20E	D3X	027	E	33	51	N	34	65			
D	KONSTANZ	3466.700	16	04	1720	2009				FX	1K20E	D3X	027	E	33	51	N	34	65			
J	TOKYO	3479.990	13	04	1022					BC		A3E							284	A		
J	TOKYO	3479.990	19	04	0706				KOR	BC		A3E	127	E	05	37	N	16	283	B		
D	KONSTANZ	3479.999	16	04	1706	2150			RUS	FX	50H0E	N0N							41			
D	KONSTANZ	3479.999	18	04	1705	2157			RUS	FX	50H0E	N0N							41			
J	TOKYO	3480.000	26	05	1031				KOR	BC		A3E	126	E	59	37	N	28	283	A		
INS	MSPA-SAMARINDA	3480.000	21	06	0025	0030	40.4	VOICE OF PEOPLE	KOR	BC	9K00E	A3E										
J	TOKYO	3482.500	13	04	1022				KRE				125	E	34	39	N	00	288	A		
I	ROMA	3485.000	19	04	1653	1715	11.0	INTRUDERS USB	GRC		3K30E	J3E									3	Aleksandros
I	ROMA	3485.000	19	04	1715	2000	22.0			BC	9K00E	A3E									3	
I	ROMA	3485.000	19	04	1715	1715	14.0	INTRUDERS USB	GRC		3K30E	J3E									3	
I	ROMA	3485.000	19	04	1726	1726	11.0	INTRUDERS USB	GRC		3K30E	J3E									3	
D	KONSTANZ	3489.050	16	04	1808	2000			I	FX	2K70E	G1D	010	E	27	45	N	32	161			
I	ROMA	3495.000	19	04	1639	1650	3.0	INTRUDERS USB	GRC		2K70E	J3E									3	Grc
I	ROMA	3495.000	19	04	1738	1738	22.0	INTRUDERS USB	GRC		3K30E	J3E									3	
I	ROMA	3503.500	19	04	1752	1752	21.0	XSS		FX	3K10E	J3E										141A (ALE)
D	KONSTANZ	3508.000	01	04	0051	0109			NOR	FX	50H0E	N0N	010	E	33	62	N	27	2			
D	KONSTANZ	3510.000	01	04	0000	0345			IRQ	FX	50H0E	N0N							103			
D	KONSTANZ	3511.790	01	04	0000	0527				FX	3K45	J3X	030	E	43	55	N	30	51			BLR/RUS
D	KONSTANZ	3511.790	02	04	1644	2400				FX	3K45	J3X	030	E	43	55	N	30	51			BLR/RUS
D	KONSTANZ	3511.790	03	04	0000	0455				FX	3K45	J3X	030	E	43	55	N	30	51			BLR/RUS
D	KONSTANZ	3511.790	03	04	1613	2400				FX	3K45	J3X	030	E	43	55	N	30	51			BLR/RUS
D	KONSTANZ	3519.000	01	04	1939	1953			BLR	FX	100HE	A1A							54			
D	KONSTANZ	3525.000	01	04	0350	0431			ALG	FX	100HE	A1A							210			W OF ALGIERS
D	KONSTANZ	3527.000	01	04	0000	0502			RUS	FX	290H	F1B	053	E	24	72	N	06	30			
D	KONSTANZ	3527.000	02	04	0000	0217			RUS	FX	290H	F1B	053	E	24	72	N	06	30			
D	KONSTANZ	3527.000	02	04	1958	2400			RUS	FX	290H	F1B							30			
D	KONSTANZ	3527.000	03	04	0000	0435			RUS	FX	290H	F1B	053	E	24	72	N	06	30			
D	KONSTANZ	3527.000	04	04	1957	2400			RUS	FX	290H	F1B	053	E	24	72	N	06	30			
D	KONSTANZ	3540.000	03	04	0700	0815			CZE	FX	100HE	A1A							46			
D	KONSTANZ	3542.994	04	04	2229	2247			G	FX	100HE	A1A	001	E	22	52	N	50	318			
D	KONSTANZ	3547.967	01	04	0000	0502			BLR	FX	2K80	J7D							51			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	3547.967	02	04	1735	2320			BLR	FX	2K80	J7D							51			
D	KONSTANZ	3548.000	03	04	0000	0557				FX	315H	F1B							49			BLR / RUS
D	KONSTANZ	3560.000	04	04	1655	2400			RUS		50H0E	N0N							34			A OF ST. PETERSBURG
D	KONSTANZ	3560.000	05	04	0000	0540			RUS		50H0E	N0N							34			A OF ST. PETERSBURG
D	KONSTANZ	3567.996	04	04	1808	2400				FX	2K62	J7D							93			GEO / ARM / AZE
D	KONSTANZ	3567.996	05	04	0000	0400				FX	2K62	J7D							93			GEO / ARM / AZE
D	KONSTANZ	3581.700	04	04	0000	0400				FX	2K70E	G1D	028	E	48	41	N	47	108			ROU/BUL/TUR
D	KONSTANZ	3581.700	04	04	1702	2400				FX	2K70E	G1D	028	E	48	41	N	47	108			ROU/BUL/TUR
D	KONSTANZ	3581.700	05	04	0000	0402				FX	2K70E	G1D	028	E	48	41	N	47	108			ROU/BUL/TUR
D	KONSTANZ	3581.700	05	04	1716	2400				FX	2K70E	G1D	028	E	48	41	N	47	108			ROU/BUL/TUR
D	KONSTANZ	3581.700	06	04	0000	0406				FX	2K70E	G1D	028	E	48	41	N	47	108			ROU/BUL/TUR
D	KONSTANZ	3581.700	07	04	1705	2400				FX	2K70E	G1D	028	E	48	41	N	47	108			ROU/BUL/TUR
I	ROMA	3584.400	27	04	2115		16.0	F4***	F	AT	150HE	F1B										45 BD
J	TOKYO	3585.000	06	04	0008			HLL2				F3C										
J	TOKYO	3585.000	26	05	1034				KOR			F3C	127	E	45	36	N	09	276	A		
J	TOKYO	3585.000	02	06	0755			HLL2				F3C	126	E	47	37	N	05	282	B		
D	KONSTANZ	3593.000	04	04	2152	2200			SUI	FX	2K21	G1D							233			A OF SOTTENS
D	KONSTANZ	3594.500	04	04	0000	0915			CZE		100HE	A1A							44			
D	KONSTANZ	3594.500	04	04	1325	2400			CZE		100HE	A1A							44			
D	KONSTANZ	3594.500	05	04	0000	0822			CZE		100HE	A1A							44			
D	KONSTANZ	3594.500	05	04	1500	2400			CZE		100HE	A1A							44			
D	KONSTANZ	3594.500	06	04	0000	1005			CZE		100HE	A1A							44			
D	KONSTANZ	3594.500	06	04	1415	2400			CZE		100HE	A1A							44			
D	KONSTANZ	3596.000	05	04	0310	0418				FX	100HE	A1A							93			
D	KONSTANZ	3596.000	06	04	0310	0415				FX	100HE	A1A							93			
D	KONSTANZ	3608.001	07	04	0000	0534			RUS	FX	348H	F1B							42			KALININGRAD
D	KONSTANZ	3608.001	09	04	0000	0415			RUS	FX	348H	F1B							42			KALININGRAD
INS	MSTM-MEDAN	3612.900	21	06	0340	0350	10.0			FX	2K00E	N0N										SIGNAL TONE
D	KONSTANZ	3617.541	09	04	1633	1708			AUT		1K44	G1D							88			SW OF VIENNA
D	KONSTANZ	3729.485	14	04	2000	2325				FX	3K00	G1D							81			UKR/HNG
I	ROMA	3730.000	01	05	1702	1703	7.0	DO***	D	AT	2K70E	J3E										SSTV
I	ROMA	3730.000	01	05	1729	1731	19.0	HB9***	D	AT	2K70E	J3E										SSTV
D	KONSTANZ	3749.950	14	04	1735	1906			RUS	FX	2K70	J7D	041	E	44	63	N	07	38			
INS	MSPA-SAMARINDA	3800.000	20	06	2335	2345	43.7		INS	AT	2K40E	J3E										Amatir Kediri
D	KONSTANZ	3805.000	19	04	1956	2400			G		2K60E	G1D	005	W	46	53	N	28	310			
D	KONSTANZ	3805.000	20	04	0000	0934			G		2K60E	G1D	005	W	46	53	N	28	310			
D	KONSTANZ	3805.000	20	04	1903	2400			G		2K60E	G1D	005	W	46	53	N	28	310			
D	KONSTANZ	3805.000	21	04	0000	0808			G		2K60E	G1D	005	W	46	53	N	28	310			
INS	MSPA-SAMARINDA	3805.000	20	06	2311	2316	42.6		INS	AT	2K40E	J3E										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	3805.500	19	04	0000	0000			RUS	FX	360HE	F1B							40			
J	TOKYO	3806.800	06	04	0012				RUS			J2D	133	E	08	42	N	53	324	A		
D	KONSTANZ	3806.920	19	04	0000	0810			POL	FX	2K60E	G1D							25			
D	KONSTANZ	3806.920	19	04	1557	2400			POL	FX	2K60E	G1D							25			
D	KONSTANZ	3806.920	20	04	0000	0803			POL	FX	2K60E	G1D							25			
D	KONSTANZ	3806.920	20	04	1632	2400			POL	FX	2K60E	G1D							25			
D	KONSTANZ	3806.920	21	04	0000	0722			POL	FX	2K60E	G1D							25			
D	KONSTANZ	3806.920	21	04	1549	2400			POL	FX	2K60E	G1D							25			
D	KONSTANZ	3810.000	19	04	0000	0810			G	FX	2K60E	G1D	012	W	58	55	N	59	289			
INS	MSPA-SAMARINDA	3810.000	20	06	2316	2320	42.9		INS	AT	2K40E	J3E										
D	KONSTANZ	3811.000	19	04	1700	2400				FX	2K70E	J7D							81			RUS / MDA
D	KONSTANZ	3811.000	20	04	0000	0355				FX	2K70E	J7D							81			RUS / MDA
INS	MSPA-SAMARINDA	3815.000	20	06	2325	2330	43.5		INS	AT	2K40E	J3E										
D	KONSTANZ	3818.280	19	04	0000	0430			NOR	FX	290HE	F1B										
D	KONSTANZ	3820.000	19	04	0000	0630			NOR		2K60E	G1D										A OF OSLO
D	KONSTANZ	3820.000	19	04	1624	2400			NOR		2K60E	G1D										A OF OSLO
D	KONSTANZ	3820.000	20	04	0000	0647			NOR		2K60E	G1D										A OF OSLO
D	KONSTANZ	3820.000	20	04	1655	2216			NOR		2K60E	G1D										A OF OSLO
D	KONSTANZ	3820.000	20	04	2323	2400			NOR		2K60E	G1D										A OF OSLO
D	KONSTANZ	3820.000	21	04	0000	0701			NOR		2K60E	G1D										A OF OSLO
D	KONSTANZ	3820.000	21	04	1601	2400			NOR		2K60E	G1D										A OF OSLO
INS	MSPA-SAMARINDA	3835.000	20	06	2330	2335	40.2		INS	AT	2K40E	J3E										
D	KONSTANZ	3842.000	19	04	2115	2231			RUS	FX	2K70E	J7D							43			
D	KONSTANZ	3843.000	19	04	0000	0425			FIN	FX	2K60E	G1D							29			
D	KONSTANZ	3847.600	19	04	0000	0350				FX	2K60E	G1D	028	E	11	41	N	28	109			
D	KONSTANZ	3857.000	22	04	1840	2400			NOR		2K54	G1D	014	E	29	68	N	14	4			
D	KONSTANZ	3857.000	23	04	0000	0442			NOR		2K54	G1D	014	E	29	68	N	14	4			
D	KONSTANZ	3857.000	23	04	1758	2400			NOR		2K54	G1D	014	E	29	68	N	14	4			
D	KONSTANZ	3857.000	24	04	0000	0427			NOR		2K54	G1D	014	E	29	68	N	14	4			
D	KONSTANZ	3857.000	24	04	1801	2400			NOR		2K54	G1D	014	E	29	68	N	14	4			
D	KONSTANZ	3864.000	22	04	0000	0437			NOR	FX	2K40	G1D							4			
D	KONSTANZ	3864.000	23	04	0000	0432			NOR	FX	2K40	G1D							4			
D	KONSTANZ	3864.000	23	04	1800	2400			NOR	FX	2K40	G1D							4			
D	KONSTANZ	3864.000	24	04	0000	0445			NOR	FX	2K40	G1D							4			
D	KONSTANZ	3864.000	24	04	1800	2400			NOR	FX	2K40	G1D							4			
INS	MSPA-SAMARINDA	3870.000	17	06	2305	2310	44.2		INS	AT	2K40E	J3E										Amatir Kediri , Sidoharjo
D	KONSTANZ	3871.795	23	04	1819	2100				FX	2K70E	J7D							42			
INS	MSPA-SAMARINDA	3875.000	17	06	2310	2315	43.8		INS	AT	2K40E	J3E										
D	KONSTANZ	3877.000	22	04	0000	0342			POL		2K40	G1D							60			E OF WARSAW

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	3877.000	22	04	2019	2400			POL		2K40	G1D							60			E OF WARSAW
D	KONSTANZ	3877.000	23	04	0000	0308			POL		2K40	G1D							60			E OF WARSAW
D	KONSTANZ	3877.000	23	04	1930	2400			POL		2K40	G1D							60			E OF WARSAW
D	KONSTANZ	3877.000	24	04	0000	0405			POL		2K40	G1D							60			E OF WARSAW
D	KONSTANZ	3877.000	24	04	1931	2400			POL		2K40	G1D							60			E OF WARSAW
INS	MSPA-SAMARINDA	3880.000	17	06	2315	2320	43.4		INS	AT	2K40E	J3E										
D	KONSTANZ	3881.000	22	04	1722	2400			RUS		50H0E	N0N							43			A OF KALININGRAD
D	KONSTANZ	3881.000	23	04	0000	0430			RUS		50H0E	N0N							43			A OF KALININGRAD
D	KONSTANZ	3881.000	23	04	0658	1550				FX	100HE	A1A							285			BEL/F
D	KONSTANZ	3899.550	22	04	0000	0145			RUS		430HE	F1B							46			
D	KONSTANZ	3899.550	22	04	1715	2400			RUS		430HE	F1B							46			
D	KONSTANZ	3899.550	23	04	0000	0405			RUS		430HE	F1B							46			
J	TOKYO	3900.000	13	04	1032				CHN	BC		A3E	119	E	44	49	N	09	319	B		
J	TOKYO	3909.970	13	04	1034					BC		A3E										
D	KONSTANZ	3910.000	20	04	1720	2134				BC	10K0E	A3E							45			
D	KONSTANZ	3910.000	21	04	1710	2125				BC	10K0E	A3E							45			
J	TOKYO	3910.000	26	05	1042				KOR	BC		A3E	126	E	47	37	N	20	283	A		
D	KONSTANZ	3915.000	21	04	2157	2353			SNG	BC	10K0E	A3E							91			
INS	MSPA-SAMARINDA	3915.000	17	06	2320	2325	44.5	BBC	SNG	BC	9K00E	A3E										
J	TOKYO	3929.980	13	04	1035					BC		A3E										
D	KONSTANZ	3930.000	20	04	1650	2145			RUS	BC	10K0E	A3E	088	E	54	59	N	58	43			
D	KONSTANZ	3930.000	21	04	1714	2140			RUS	BC	10K0E	A3E	088	E	54	59	N	58	43			
J	TOKYO	3930.000	26	05	1052				KOR	BC		A3E	127	E	16	37	N	15	282	A		
J	TOKYO	3930.000	02	06	0819					BC		A3E							286	C		
KOR	CRMS	3945.000	19	04	0436	0436	0.6		KRE	BC		A3E									11	
KOR	CRMS	3945.000	13	05	0449	0449	3.3		KRE	BC		A3E									11	
KOR	CRMS	3945.000	17	06	0518	0518	1.1		KRE	BC		A3E									11	
I	ROMA	3955.000	29	06	1900	1916	39.0	RADIO CHANNEL 292	D	BC	10K0E	A3E										
J	TOKYO	3959.000	06	04	0017			KOREAN CENTRAL B.S.		BC		A3E										
J	TOKYO	3959.000	13	04	1036			KOREAN CENTRAL B.S.		BC		A3E										
J	TOKYO	3959.000	26	05	1054				KRE	BC		A3E	126	E	30	40	N	43	299	A		
J	TOKYO	3979.500	06	04	0018				KRE				129	E	32	41	N	41	309	A		
J	TOKYO	3981.740	19	04	0804				CHN				126	E	22	43	N	15	309	B		
J	TOKYO	3983.000	02	06	0822				KRE				129	E	36	41	N	46	309	A		
J	TOKYO	3985.000	26	05	1058				KOR	BC		A3E	126	E	56	37	N	11	282	A		
INS	MSPA-SAMARINDA	3990.000	17	06	2325	2335	42.6	PBS XINJIANG		BC	9K00E	A3E										
J	TOKYO	3990.010	19	04	0805				CHN	BC		A3E	126	E	55	37	N	08	282	B		
D	KONSTANZ	4003.000	22	04	1544	2302			G	FX	2K60E	G1D							312			A OF LIVERPOOL
D	KONSTANZ	4003.000	23	04	0012	0827			G	FX	2K60E	G1D							312			A OF LIVERPOOL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4003.000	23	04	1538	2400			G	FX	2K60E	G1D							312			A OF LIVERPOOL
D	KONSTANZ	4003.000	24	04	0000	0636			G	FX	2K60E	G1D							312			A OF LIVERPOOL
D	KONSTANZ	4007.995	24	04	2124	2137				FX	250H	F1B							50			BLR / RUS
D	KONSTANZ	4010.200	22	04	0000	0242			RUS		50H0E	N0N							56			
D	KONSTANZ	4010.220	24	04	1549	1802			RUS	FX	50H0E	N0N							56			A OF MOSCOW
D	KONSTANZ	4013.528	23	04	0000	0344			RUS		2K62	J7D							80			A OF ROSTOV
D	KONSTANZ	4013.528	23	04	2053	2400			RUS		2K62	J7D							80			A OF ROSTOV
D	BERLIN	4016.800	23	04	1812	2400			POL	FX	2K60E	G1D							104			
D	BERLIN	4016.800	24	04	0000	0307			POL	FX	2K60E	G1D							104			
D	KONSTANZ	4023.750	22	04	0000	0953			GRC		2K60E	G1D							122			A OF THESSALONIKI
D	KONSTANZ	4023.750	23	04	0007	1002			GRC		2K60E	G1D							122			A OF THESSALONIKI
D	KONSTANZ	4023.750	23	04	1528	2400			GRC		2K60E	G1D							122			A OF THESSALONIKI
D	KONSTANZ	4023.750	24	04	0000	0640			GRC		2K60E	G1D							122			A OF THESSALONIKI
D	KONSTANZ	4023.750	24	04	1603	2400			GRC		2K60E	G1D							122			A OF THESSALONIKI
D	KONSTANZ	4029.679	22	04	0000	0735			G	FX	2K60E	G1D							312			A OF LIVERPOOL
D	KONSTANZ	4029.679	24	04	1604	2400			G	FX	2K60E	G1D							312			A OF LIVERPOOL
D	KONSTANZ	4039.000	22	04	0000	0745			G	FX	2K60E	G1D	001	W	54	50	N	47	298			
D	KONSTANZ	4039.000	23	04	0006	0806			G	FX	2K60E	G1D	001	W	54	50	N	47	298			
D	KONSTANZ	4039.000	23	04	1536	2400			G	FX	2K60E	G1D	001	W	54	50	N	47	298			
D	KONSTANZ	4039.000	24	04	0000	0800			G	FX	2K60E	G1D	001	W	54	50	N	47	298			
D	KONSTANZ	4039.000	24	04	1555	2400			G	FX	2K60E	G1D	001	W	54	50	N	47	298			
D	KONSTANZ	4041.990	22	04	1834	2002				FX	2K70E	J7D	028	E	40	56	N	13	47			RUS / BLR
INS	MSPA-SAMARINDA	4045.000	17	06	2335	2340	43.8		INS	AT	2K40E	J3E										
INS	MSPA-SAMARINDA	4055.000	16	06	0001	0006	43.6		INS	AT	2K40E	J3E										Amatir Surabaya, Kediri
D	KONSTANZ	4056.900	25	04	1646	2400			RUS	FX	50H0E	N0N							50			A OF MOSCOW
D	KONSTANZ	4056.900	26	04	0000	0252			RUS	FX	50H0E	N0N							50			A OF MOSCOW
INS	MSPA-SAMARINDA	4065.000	16	06	0006	0010	42.3		INS	AT	2K40E	J3E										Amatir Kaltim , Kalsel
J	TOKYO	4066.700	13	04	1044							A1A										
D	KONSTANZ	4072.000	25	04	0000	0547			RUS		50H0E	N0N							49			A OF KALININGRAD
D	KONSTANZ	4072.000	26	04	0000	0621			RUS		50H0E	N0N							49			A OF KALININGRAD
D	KONSTANZ	4072.000	27	04	0000	0617			RUS		50H0E	N0N							49			A OF KALININGRAD
D	KONSTANZ	4072.000	27	04	1700	2400			RUS		50H0E	N0N							49			A OF KALININGRAD
D	KONSTANZ	4072.000	27	04	1755	2400			RUS		50H0E	N0N							49			A OF KALININGRAD
INS	MSPA-SAMARINDA	4075.000	16	06	0010	0015	41.8		INS	AT	2K40E	J3E										
D	KONSTANZ	4082.986	25	04	0000	2400			D	FX	2K61	G1D							360			
INS	MSPA-SAMARINDA	4085.000	16	06	0023	0029	43.6		INS	AT	2K40E	J3E										
D	KONSTANZ	4108.850	01	05	0000	0737			RUS	FX	170H	F1B							48			
D	KONSTANZ	4108.850	01	05	1520	2400			RUS	FX	170H	F1B							48			
D	KONSTANZ	4108.850	02	05	0000	0747			RUS	FX	170H	F1B							48			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4108.850	02	05	1434	2400			RUS	FX	170H	F1B							48			
D	KONSTANZ	4108.850	03	05	0000	0743			RUS	FX	170H	F1B							48			
D	KONSTANZ	4121.900	01	05	0000	0320			UKR	FX	2K70E	G1D							68			
D	KONSTANZ	4121.900	01	05	1800	2216			UKR	FX	2K70E	G1D	026	E	02	50	N	44	68			
J	TOKYO	4130.800	13	04	1046				CHN				115	E	58	39	N	40	289	A		
D	KONSTANZ	4133.443	02	05	1311	2400			I	FX	2K70E	G1D	011	E	53	43	N	49	149			
D	KONSTANZ	4133.443	03	05	0000	0544			I	FX	2K70E	G1D	011	E	53	43	N	49	149			
D	KONSTANZ	4156.960	05	05	2315	2330				FX	14K0E	P0N	031	E	21	51	N	49	65			
D	KONSTANZ	4157.000	04	05	1820	2337				FX	100HE	A1A	028	E	46	45	N	40	92			
D	KONSTANZ	4157.000	06	05	1632	2323				FX	100HE	A1A	028	E	46	45	N	40	92			
D	KONSTANZ	4165.096	04	05	0000	0800			G	FX	2K67	G1D	000	W	10	53	N	35	319			
D	KONSTANZ	4165.096	04	05	1650	2400			G	FX	2K67	G1D	000	W	10	53	N	35	319			
D	KONSTANZ	4165.096	05	05	0000	2400			G	FX	2K67	G1D	000	W	10	53	N	35	319			
D	KONSTANZ	4165.096	06	05	0000	2400			G	FX	2K67	G1D	000	W	10	53	N	35	319			
J	TOKYO	4170.000	06	04	0026			XSG		FC		F3C										
J	TOKYO	4170.000	02	06	0828				CHN			F3C	121	E	11	31	N	11	260	B		
D	KONSTANZ	4170.990	05	05	1832	2400			RUS	FX	100HE	A1A							33			
D	KONSTANZ	4170.990	06	05	0000	0331			RUS	FX	100HE	A1A							33			
D	KONSTANZ	4170.990	06	05	1859	2400			RUS	FX	100HE	A1A							33			
D	KONSTANZ	4183.055	05	05	1650	2400			RUS	FX	100HE	A1A							52			
D	KONSTANZ	4183.055	06	05	0000	0413			RUS	FX	100HE	A1A							52			
D	KONSTANZ	4183.055	06	05	1650	2400			RUS	FX	100HE	A1A							52			
D	KONSTANZ	4191.500	05	05	1859	2400			RUS	FX	100HE	A1A							25			
D	KONSTANZ	4191.500	05	05	1904	2333			RUS	FX	100HE	A1A							25			
D	KONSTANZ	4191.500	06	05	0000	0325			RUS	FX	100HE	A1A							25			
D	KONSTANZ	4205.000	07	05	0000	2400			HOL	FX	2K70E	G1D	004	E	27	51	N	42	325			S OF THE HAGUE
D	KONSTANZ	4205.000	08	05	0000	2400			HOL	FX	2K70E	G1D	004	E	27	51	N	42	325			S OF THE HAGUE
D	KONSTANZ	4205.000	09	05	0000	2400			HOL	FX	2K70E	G1D	004	E	27	51	N	42	325			S OF THE HAGUE
D	BERLIN	4207.485	07	05	0000	2400			F	FX	200HE	F1B							236			
D	BERLIN	4207.485	09	05	0000	0257			F	FX	200HE	F1B	001	E	53	46	N	34	236			
J	TOKYO	4209.500	13	04	1053					FC		F1B										
D	KONSTANZ	4212.700	07	05	0000	0400			UKR	FX	1K80	G1D							68			NW OF KIEV
J	TOKYO	4215.000	13	04	1054			XSG		FC		F1B										
J	TOKYO	4215.000	26	05	1106			XSG		FC		F1B										
D	KONSTANZ	4215.965	08	05	1930	2400				FX	100HE	A1A							113			BALKAN
D	KONSTANZ	4215.965	09	05	0000	0203				FX	100HE	A1A							113			BALKAN
D	KONSTANZ	4215.965	10	05	1611	2145				FX	100HE	A1A							113			BALKAN
D	KONSTANZ	4221.810	07	05	0000	0230				FX	2K60E	J7D							68			
D	KONSTANZ	4221.810	07	05	1751	2400				FX	2K60E	J7D	024	E	08	50	N	55	68			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4221.810	08	05	0000	0242				FX	2K60E	J7D	024	E	08	50	N	55	68			
D	KONSTANZ	4221.810	08	05	1755	2400				FX	2K60E	J7D	024	E	08	50	N	55	68			
D	KONSTANZ	4221.810	09	05	0000	0300				FX	2K60E	J7D	024	E	08	50	N	55	68			
D	KONSTANZ	4221.810	10	05	1728	2400				FX	2K60E	J7D	024	E	08	50	N	55	68			
D	KONSTANZ	4230.000	07	05	0000	2400			HOL	FX	2K70E	G1D							324			S OF THE HAGUE
D	KONSTANZ	4230.000	08	05	0000	2400			HOL	FX	2K70E	G1D	004	E	28	51	N	34	324			S OF THE HAGUE
D	KONSTANZ	4230.000	09	05	0000	2400			HOL	FX	2K70E	G1D	004	E	28	51	N	34	324			S OF THE HAGUE
D	KONSTANZ	4234.000	07	05	0000	0454				FX	2K70E	G1D							262			
D	KONSTANZ	4234.000	08	05	0000	0425				FX	2K70E	G1D							262			
D	KONSTANZ	4261.000	10	05	0000	0850			E	FX	2K70E	G1D	003	W	36	41	N	50	242			
D	KONSTANZ	4261.000	10	05	1613	2400			E	FX	2K70E	G1D	003	W	36	41	N	50	242			
D	KONSTANZ	4261.000	11	05	0000	0750			E	FX	2K70E	G1D	003	W	36	41	N	50	242			
D	KONSTANZ	4261.000	11	05	1714	2400			E	FX	2K70E	G1D	003	W	36	41	N	50	242			
D	KONSTANZ	4261.000	12	05	0000	0717			E	FX	2K70E	G1D	003	W	36	41	N	50	242			
D	KONSTANZ	4261.000	12	05	1636	2400			E	FX	2K70E	G1D	003	W	36	41	N	50	242			
D	KONSTANZ	4264.500	10	05	0000	0535				FX	2K70E	G1D							256			
D	KONSTANZ	4264.500	10	05	2000	2400				FX	2K70E	G1D							256			
D	KONSTANZ	4264.500	11	05	0000	0515				FX	2K70E	G1D							256			
D	KONSTANZ	4264.500	11	05	2019	2400				FX	2K70E	G1D							256			
D	KONSTANZ	4264.500	12	05	0000	0506				FX	2K70E	G1D							256			
D	KONSTANZ	4264.500	12	05	2010	2400				FX	2K70E	G1D							256			
D	KONSTANZ	4278.930	10	05	0511	0847			E	FX	2K70E	G1D	002	W	07	42	N	16	241			
D	KONSTANZ	4278.930	10	05	1612	2400			E	FX	2K70E	G1D	002	W	07	42	N	16	241			
D	KONSTANZ	4278.930	11	05	0000	0830			E	FX	2K70E	G1D	002	W	07	42	N	16	241			
D	KONSTANZ	4278.930	11	05	1901	2317			E	FX	2K70E	G1D	002	W	07	42	N	16	241			
D	KONSTANZ	4278.930	12	05	0008	0750			E	FX	2K70E	G1D	002	W	07	42	N	16	241			
D	KONSTANZ	4278.930	12	05	1626	2210			E	FX	2K70E	G1D	002	W	07	42	N	16	241			
D	KONSTANZ	4280.000	11	05	0000	2400			HOL	FX	1K05	F1B	003	E	58	51	N	44	317			A OF GOEREE
D	KONSTANZ	4280.000	12	05	0000	2400			HOL	FX	1K05	F1B	003	E	58	51	N	44	317			A OF GOEREE
D	KONSTANZ	4281.481	10	05	1454	2400			I	FX	2K53	G1D	011	E	12	44	N	24	153			
D	KONSTANZ	4281.481	11	05	0000	1305			I	FX	2K53	G1D	011	E	12	44	N	24	153			
D	KONSTANZ	4281.481	12	05	1451	2400			I	FX	2K53	G1D	011	E	12	44	N	24	153			
D	KONSTANZ	4281.500	10	05	0000	1355			HOL	FX	2K70E	G1D	003	E	53	51	N	34	320			
J	TOKYO	4289.000	13	04	1059				USA			F1B	144	E	50	13	N	30	168	B		GUM
J	TOKYO	4289.000	19	04	0814				USA			F1B	144	E	39	13	N	20	169	B		GUM
J	TOKYO	4289.000	26	05	1110				USA			F1B	144	E	43	13	N	20	169	A		GUM
D	KONSTANZ	4290.000	10	05	0000	0906			F	FX	2K70E	G1D	003	E	31	44	N	37	234			
D	KONSTANZ	4290.000	10	05	1545	2400			F	FX	2K70E	G1D	003	E	31	44	N	37	234			
D	KONSTANZ	4290.000	11	05	0000	0905			F	FX	2K70E	G1D	003	E	31	44	N	37	234			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4290.000	11	05	1349	2400			F	FX	2K70E	G1D	003	E	31	44	N	37	234			
D	KONSTANZ	4290.000	12	05	0000	2400			F	FX	2K70E	G1D	003	E	31	44	N	37	234			
D	KONSTANZ	4296.900	10	05	0000	1303			F	FX	2K70E	G1D	000	W	50	49	N	31	274			
D	KONSTANZ	4296.900	10	05	1542	2400			F	FX	2K70E	G1D	000	W	50	49	N	31	274			
D	KONSTANZ	4296.900	11	05	0000	0635			F	FX	2K70E	G1D	000	W	50	49	N	31	274			
D	KONSTANZ	4296.900	11	05	1519	2400			F	FX	2K70E	G1D	000	W	50	49	N	31	274			
D	KONSTANZ	4296.900	12	05	0000	2400			F	FX	2K70E	G1D	000	W	50	49	N	31	274			
J	TOKYO	4298.000	13	04	1105							F3C							38	A		
D	KONSTANZ	4300.000	10	05	0030	0745				MS	2K70E	G1D	000	W	18	57	N	14	333			
D	KONSTANZ	4300.000	10	05	1700	2400				MS	2K70E	G1D	000	W	18	57	N	14	333			
D	KONSTANZ	4300.000	11	05	0000	0625				MS	2K70E	G1D	000	W	18	57	N	14	333			
D	KONSTANZ	4300.000	11	05	1717	2400				MS	2K70E	G1D	000	W	18	57	N	14	333			
D	KONSTANZ	4300.000	12	05	0000	0900				MS	2K70E	G1D	000	W	18	57	N	14	333			
D	KONSTANZ	4300.000	12	05	1645	2400				MS	2K70E	G1D	000	W	18	57	N	14	333			
D	KONSTANZ	4300.000	13	05	0000	0910				MS	2K70E	G1D	000	W	27	57	N	15	332			
D	KONSTANZ	4300.000	13	05	1622	2400				MS	2K70E	G1D	000	W	27	57	N	15	332			
D	KONSTANZ	4300.000	14	05	0549	0735				MS	2K70E	G1D	000	W	27	57	N	15	332			
D	KONSTANZ	4300.000	14	05	1730	2400				MS	2K70E	G1D	000	W	27	57	N	15	332			
D	KONSTANZ	4300.000	15	05	0000	0604				MS	2K70E	G1D	000	W	27	57	N	15	332			
D	KONSTANZ	4300.000	16	05	1813	2400				MS	2K70E	G1D	000	W	27	57	N	15	332			
D	KONSTANZ	4302.500	13	05	0000	0633				FX	2K70E	G1D	020	E	28	42	N	12	123			BALKAN
D	KONSTANZ	4302.500	13	05	1610	2400				FX	2K70E	G1D	020	E	28	42	N	12	123			BALKAN
D	KONSTANZ	4302.500	14	05	0000	0604				FX	2K70E	G1D	020	E	28	42	N	12	123			BALKAN
D	KONSTANZ	4302.500	14	05	1623	2400				FX	2K70E	G1D	020	E	28	42	N	12	123			BALKAN
D	KONSTANZ	4302.500	15	05	0000	0544				FX	2K70E	G1D	020	E	28	42	N	12	123			BALKAN
D	KONSTANZ	4307.900	13	05	0000	0536				FX	2K70E	G1D	006	W	51	40	N	18	244			
D	KONSTANZ	4307.900	13	05	1847	2400				FX	2K70E	G1D	006	W	51	40	N	18	244			
D	KONSTANZ	4307.900	14	05	0000	0458				FX	2K70E	G1D	006	W	51	40	N	18	244			
D	KONSTANZ	4307.900	14	05	1848	2400				FX	2K70E	G1D	006	W	51	40	N	18	244			
D	KONSTANZ	4312.000	13	05	0000	2400				FX	2K70E	G1D	004	E	08	51	N	13	320			
D	KONSTANZ	4312.000	14	05	0000	2400				FX	2K70E	G1D	004	E	08	51	N	13	320			
D	KONSTANZ	4312.000	15	05	0000	2400				FX	2K70E	G1D	004	E	08	51	N	13	320			
D	KONSTANZ	4315.958	15	05	0654	1755			G	FX	2K18	G1D	001	W	21	50	N	38	297			
D	KONSTANZ	4316.820	13	05	0000	0402				FX	2K70E	G1D	021	E	50	43	N	07	121			BALKAN
D	KONSTANZ	4316.820	13	05	1700	2400				FX	2K70E	G1D	021	E	50	43	N	07	121			BALKAN
D	KONSTANZ	4316.820	14	05	0000	0402				FX	2K70E	G1D	021	E	50	43	N	07	121			BALKAN
D	KONSTANZ	4319.700	13	05	0000	0425			UKR	FX	2K70E	G1D	029	E	06	59	N	41	78			
D	KONSTANZ	4319.700	13	05	1827	2400			UKR	FX	2K70E	G1D	029	E	06	59	N	41	78			
D	KONSTANZ	4319.700	14	05	0000	0407			UKR	FX	2K70E	G1D	029	E	06	59	N	41	78			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4319.700	14	05	1704	2400			UKR	FX	2K70E	G1D	029	E	06	59	N	41	78			
D	KONSTANZ	4319.700	15	05	0000	0400			UKR	FX	2K70E	G1D	029	E	06	59	N	41	78			
D	KONSTANZ	4319.700	15	05	1710	2100			UKR	FX	2K70E	G1D	029	E	06	59	N	41	78			
D	KONSTANZ	4323.995	13	05	0000	0322				FX	2K60E	J7D	040	E	10	49	N	10	74			
D	KONSTANZ	4323.995	13	05	1735	2400				FX	2K60E	J7D	040	E	10	49	N	10	74			
D	KONSTANZ	4323.995	14	05	0000	0330				FX	2K60E	J7D	040	E	10	49	N	10	74			
D	KONSTANZ	4323.995	15	05	1730	2400				FX	2K60E	J7D	040	E	10	49	N	10	74			
J	TOKYO	4324.990	06	04	0030			HOU31				A1A										
D	KONSTANZ	4326.800	13	05	0000	2400			F	FX	2K70E	G1D	002	E	52	44	N	52	234			
D	KONSTANZ	4326.800	14	05	0000	2400			F	FX	2K70E	G1D	002	E	52	44	N	52	234			
D	KONSTANZ	4326.800	15	05	0000	2400			F	FX	2K70E	G1D	002	E	52	44	N	52	234			
D	KONSTANZ	4331.000	13	05	0000	0455			GRC	FX	100HE	A1A	023	E	57	39	N	30	128			
D	KONSTANZ	4331.000	13	05	1635	1918			GRC	FX	100HE	A1A	023	E	57	39	N	30	128			
D	KONSTANZ	4331.000	14	05	1645	2400			GRC	FX	100HE	A1A	023	E	57	39	N	30	128			
D	KONSTANZ	4331.000	15	05	0000	0440			GRC	FX	100HE	A1A	023	E	57	39	N	30	128			
D	KONSTANZ	4331.000	15	05	1622	2400			GRC	FX	100HE	A1A	023	E	57	39	N	30	128			
I	ROMA	4331.000	29	06	1858	1859	33.0	4XZ = =	ISR	FX	100HE	A1A										
J	TOKYO	4332.250	26	05	1115				CHN				120	E	16	36	N	29	279	A		
D	KONSTANZ	4339.800	13	05	0000	0555			F	FX	2K70E	G1D	002	E	30	44	N	08	230			
D	KONSTANZ	4339.800	13	05	1750	2400			F	FX	2K70E	G1D	002	E	30	44	N	08	230			
D	KONSTANZ	4339.800	14	05	0000	0555			F	FX	2K70E	G1D	002	E	30	44	N	08	230			
D	KONSTANZ	4339.800	14	05	1756	2400			F	FX	2K70E	G1D	002	E	30	44	N	08	230			
D	KONSTANZ	4339.800	15	05	0000	0600			F	FX	2K70E	G1D	002	E	30	44	N	08	230			
D	KONSTANZ	4339.800	15	05	1800	2400			F	FX	2K70E	G1D	002	E	30	44	N	08	230			
D	KONSTANZ	4345.950	13	05	0000	0902				FX	2K70E	G1D	000	W	47	42	N	51	239			
D	KONSTANZ	4345.950	13	05	1708	2400				FX	2K70E	G1D	000	W	47	42	N	51	239			
D	KONSTANZ	4345.950	14	05	0000	0743				FX	2K70E	G1D	000	W	47	42	N	51	239			
D	KONSTANZ	4345.950	14	05	1710	2400				FX	2K70E	G1D	000	W	47	42	N	51	239			
D	KONSTANZ	4345.950	15	05	0000	0711				FX	2K70E	G1D	000	W	47	42	N	51	239			
D	KONSTANZ	4345.950	15	05	1820	2400				FX	2K70E	G1D	000	W	47	42	N	51	239			
J	TOKYO	4345.990	19	04	0818							F3C							53	C		
I	ROMA	4405.000	14	04	1905	1945	31.0	TAH	TUR	FC	2K70E	J3E										METEO
D	KONSTANZ	4406.500	20	05	1800	1844				FX	3K00E	J3E	022	E	36	43	N	51	110			BALKAN
D	KONSTANZ	4412.990	20	05	1858	2110			RUS	FX	2K93	J7D	039	E	51	56	N	23	54			NE OF MOSKVA
D	KONSTANZ	4421.350	20	05	1718	2002			G	FX	2K70E	G1D	004	W	22	50	N	36	293			
I	ROMA	4421.400	14	04	1905		20.0			FX	3K00E	G1D							66	B		STANAG 4285
J	TOKYO	4449.970	02	05	0431				KRE				125	E	17	40	N	15	296	B		
J	TOKYO	4449.990	19	04	0824				KRE				126	E	19	40	N	05	296	B		
J	TOKYO	4450.000	13	04	1107					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	4450.000	16	05	2358				KRE				125	E	49	38	N	53	290	A		
J	TOKYO	4450.000	26	05	1118				KOR	BC		A3E	126	E	59	37	N	24	283	B		
J	TOKYO	4450.000	26	05	1118				KRE				125	E	25	38	N	59	290	A		
J	TOKYO	4450.000	02	06	0836				KOR	BC		A3E	127	E	08	37	N	18	283	B		
I	ROMA	4464.000	14	04	1905		16.0	RADAR		FX	30K0E	PXX							282	A		NO OTH
I	ROMA	4466.000	19	04	1935	1938	12.0	1EB41EB12A5	RUS	FX	250HE	F1B							18	A		50 BD
I	ROMA	4510.000	14	04	1943	1943	20.0	XSS		FX	3K00E	J2D										MIL 188-141 ALE
I	ROMA	4520.000	14	04	1930		12.0		ISR	FX	3K00E	J2D							110	B		MIL 188-110
J	TOKYO	4529.000	19	04	0759				RUS				131	E	51	43	N	01	321	B		
I	ROMA	4550.000	14	04	1905		10.0			FX	900HE	F1B							114	A		50 BD
J	TOKYO	4557.010	13	04	1000			PYONGYANG B.S.		BC		A3E	125	E	30	38	N	41	289	A	11	
J	TOKYO	4557.010	19	04	0801			PYONGYANG B.S.		BC		A3E										
I	ROMA	4565.000	14	04	1905		20.0			FX	3K00E	G1D							354	A		STANAG 4285 2400BD
I	ROMA	4575.000	14	04	2000	2002	5.0		ALG	FX	2K70E	J3E							222	B		
I	ROMA	4581.000	14	04	1946	1953	32.0			FX	3K00E	J2D							87	A		
J	TOKYO	4581.200	19	04	0812				KRE				125	E	35	38	N	28	288	B		
I	ROMA	4583.000	14	04	1905		23.0	DDK2	D	FX	800HE	F1B							351	A		50 BD SYNOP
I	ROMA	4610.000	21	04	1800		5.0	GFA22	G	FX	1K50E	F1C							321	A		120 RPM
D	KONSTANZ	4687.900	22	05	0555	1940			G	FX	2K70E	G1D	002	W	09	53	N	39	313			A OF MANCHESTER
D	KONSTANZ	4687.900	23	05	0554	0954			G	FX	2K70E	G1D	002	W	09	53	N	39	313			A OF MANCHESTER
D	KONSTANZ	4687.900	23	05	1537	1856			G	FX	2K70E	G1D	002	W	09	53	N	39	313			A OF MANCHESTER
D	KONSTANZ	4687.900	24	05	0600	1900			G	FX	2K70E	G1D	002	W	09	53	N	39	313			A OF MANCHESTER
I	ROMA	4712.000	21	04	1832	1834	8.0			FX	2K70E	J3E										
I	ROMA	4712.000	29	06	1900	1902	23.0			FX	2K70E	J3E										RUS, CHECK RADIO
J	TOKYO	4718.000	13	04	1004			TP4C				A1A	123	E	37	42	N	07	301	B		
I	ROMA	4718.000	21	04	1824	1824	18.0	LDP		FX		J2D							256	B		MIL 188-141 ALE
I	ROMA	4724.000	21	04	1830	1834	23.0	NUMBER STATION		FX	2K70E	J3E							32	B		
D	KONSTANZ	4724.000	25	04	1637	2038			G	FX	2K70E	J3E							309			A OF BALDOCK
D	KONSTANZ	4724.000	27	04	0323	0731			G	FX	2K70E	J3E							309			A OF BALDOCK
D	KONSTANZ	4725.000	26	04	1740	2400			RUS	BC	10K0E	A3E							44			KALININGRAD
D	KONSTANZ	4725.000	27	04	0000	0424			RUS	BC	10K0E	A3E							44			KALININGRAD
D	KONSTANZ	4725.000	27	04	1720	2400			RUS	BC	10K0E	A3E							44			KALININGRAD
D	KONSTANZ	4727.850	25	04	0845	1020				MS	50H0E	N0N							170			W OF CORSICA
J	TOKYO	4750.000	13	04	1007			CHINA N.R.		BC		A3E	119	E	29	48	N	57	317	B	11	
J	TOKYO	4750.000	19	04	0818				CHN	BC		A3E	125	E	19	46	N	21	318	B		
D	KONSTANZ	4750.000	27	04	1608	2006			RUS	BC	10K0E	A3E							68			
J	TOKYO	4750.000	26	05	1002			CHINA N.R.		BC		A3E	125	E	43	45	N	33	316	B	11	
I	ROMA	4752.000	21	04	1834	1837	20.0			FX	2K70E	J3E							80	A		
D	KONSTANZ	4760.300	25	05	1845	2246				FX	2K70E	G1D	021	E	47	46	N	52	92			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4761.005	26	05	1940	2400			E	FX	2K70E	G1D	005	W	18	40	N	22	240			
D	KONSTANZ	4764.990	25	05	0000	0202			USA	FX	50H0E	N0N							288			
D	KONSTANZ	4764.990	27	05	0000	0402			USA	FX	50H0E	N0N							288			
D	KONSTANZ	4765.000	25	05	1718	2400				BC	10K0E	A3E	047	E	40	48	N	17	74			
D	KONSTANZ	4765.000	26	05	0000	0400				BC	10K0E	A3E	047	E	40	48	N	17	74			
I	ROMA	4770.000	21	04	1855		5.0			FX	2K70E	J2D							37	A		PULSE
D	KONSTANZ	4770.294	25	05	0000	0450			RUS	FX	100HE	A1A	040	E	44	54	N	42	59			SE OF MOSKVA
D	KONSTANZ	4770.294	25	05	1645	2400			RUS	FX	100HE	A1A	040	E	44	54	N	42	59			SE OF MOSKVA
D	KONSTANZ	4770.294	26	05	0000	0437			RUS	FX	100HE	A1A	040	E	44	54	N	42	59			SE OF MOSKVA
D	KONSTANZ	4770.294	26	05	1558	2400			RUS	FX	100HE	A1A	040	E	44	54	N	42	59			SE OF MOSKVA
D	KONSTANZ	4770.294	27	05	0000	0709			RUS	FX	100HE	A1A	040	E	44	54	N	42	59			SE OF MOSKVA
D	KONSTANZ	4770.294	27	05	1634	2400			RUS	FX	100HE	A1A	040	E	44	54	N	42	59			SE OF MOSKVA
D	KONSTANZ	4775.020	25	05	0000	0210				FX	50H0E	N0N	067	W	40	02	N	41	257			
D	KONSTANZ	4775.020	25	05	2159	2400				FX	50H0E	N0N	067	W	40	02	N	41	257			
D	KONSTANZ	4775.020	26	05	0000	0210				FX	50H0E	N0N	067	W	40	02	N	41	257			
D	KONSTANZ	4775.020	27	05	0000	0210				FX	50H0E	N0N	067	W	40	02	N	41	257			
D	KONSTANZ	4781.478	25	05	0000	2400			I	FX	2K70E	G1D	011	E	43	43	N	54	153			W OF RAVENNA
D	KONSTANZ	4781.478	26	05	0000	2400			I	FX	2K70E	G1D	011	E	43	43	N	54	153			W OF RAVENNA
D	KONSTANZ	4781.478	27	05	0000	1936			I	FX	2K70E	G1D	011	E	43	43	N	54	153			W OF RAVENNA
D	KONSTANZ	4784.100	25	05	1712	2400			G	FX	2K70E	G1D	000	W	39	51	N	17	303			A OF LONDON
D	KONSTANZ	4784.100	26	05	0000	0628			G	FX	2K70E	G1D	000	W	12	53	N	29	314			
D	KONSTANZ	4784.100	26	05	0000	0629			G	FX	2K70E	G1D	000	W	39	51	N	17	303			A OF LONDON
D	KONSTANZ	4784.100	26	05	1825	2400			G	FX	2K70E	G1D	000	W	39	51	N	17	303			A OF LONDON
D	KONSTANZ	4784.100	27	05	0000	0836			G	FX	2K70E	G1D	000	W	12	53	N	29	314			
D	KONSTANZ	4784.100	27	05	1653	2400			G	FX	2K70E	G1D	000	W	39	51	N	17	303			A OF LONDON
D	KONSTANZ	4790.000	25	05	0000	0700			G	FX	2K70E	G1D	002	W	03	53	N	49	308			A OF MANCHESTER
D	KONSTANZ	4790.000	25	05	1712	2400			G	FX	2K70E	G1D	001	W	55	50	N	48	303			
D	KONSTANZ	4790.000	26	05	1815	2400			G	FX	2K70E	G1D	001	W	55	50	N	48	303			
D	KONSTANZ	4790.000	27	05	0018	0944			G	FX	2K70E	G1D	002	W	03	53	N	49	308			A OF MANCHESTER
D	KONSTANZ	4790.000	27	05	1629	2400			G	FX	2K70E	G1D	001	W	55	50	N	48	303			
J	TOKYO	4798.000	19	04	0825				RUS			F1B	131	E	48	43	N	07	321	B		
D	KONSTANZ	4798.980	01	06	1520	2400			G	FX	2K67	G1D	000	W	44	52	N	24	309			
D	KONSTANZ	4798.980	02	06	0000	0835			G	FX	2K67	G1D	000	W	44	52	N	24	309			
D	KONSTANZ	4799.100	25	05	0000	0630			G	FX	2K70E	G1D	002	W	29	53	N	24	308			A OF MANCHESTER
D	KONSTANZ	4799.100	25	05	1656	2400			G	FX	2K70E	G1D	002	W	29	53	N	24	308			A OF MANCHESTER
D	KONSTANZ	4799.100	26	05	0000	2400			G	FX	2K70E	G1D	002	W	29	53	N	24	308			A OF MANCHESTER
D	KONSTANZ	4799.100	27	05	0000	0701			G	FX	2K70E	G1D	002	W	29	53	N	24	308			A OF MANCHESTER
D	KONSTANZ	4799.999	03	06	0000	0650			AUS	BC		A3E	135	E	46	21	S	18	77			
D	KONSTANZ	4800.000	25	05	1712	2400			G	FX	2K70E	G1D	000	W	16	51	N	40	306			A OF LONDON

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4800.000	27	05	0000	2400			G	FX	2K70E	G1D	000	W	16	51	N	40	306			A OF LONDON
D	KONSTANZ	4803.000	01	06	1750	2400				FX	2K60E	J7D	033	E	47	51	N	55	74			
D	KONSTANZ	4803.000	02	06	0000	0242				FX	2K60E	J7D	033	E	47	51	N	55	74			
D	KONSTANZ	4811.900	01	06	0000	0535				FX	2K99	G1D							262			
D	KONSTANZ	4811.900	02	06	0000	0518				FX	2K99	G1D							262			
D	KONSTANZ	4811.900	02	06	2206	2400				FX	2K99	G1D							262			
D	KONSTANZ	4811.900	03	06	0000	0515				FX	2K99	G1D							262			
D	KONSTANZ	4816.000	01	06	0000	0417				FX	2K60E	J7D	026	E	46	48	N	22	79			
D	KONSTANZ	4816.000	01	06	1640	2400				FX	2K60E	J7D	026	E	46	48	N	22	79			
D	KONSTANZ	4816.000	02	06	0000	0411				FX	2K60E	J7D	026	E	46	48	N	22	79			
D	KONSTANZ	4816.000	03	06	0000	0436				FX	2K60E	J7D	026	E	46	48	N	22	79			
D	KONSTANZ	4816.000	03	06	1728	2400				FX	2K60E	J7D	026	E	46	48	N	22	79			
D	KONSTANZ	4820.000	01	06	1956	2400				BC	10K0E	A3E							75			
D	KONSTANZ	4820.000	02	06	0000	0640				BC	10K0E	A3E							75			
D	KONSTANZ	4820.000	03	06	1954	2400				BC	10K0E	A3E							75			
D	KONSTANZ	4820.300	02	06	0000	0450			E	FX		G7D	004	W	11	42	N	05	245			
D	KONSTANZ	4833.000	01	06	1815	2039			EGY	BC	10K0E	A3E	028	E	02	30	N	45	134			
I	ROMA	4834.800	03	05	1755		38.0		RUS	FX	3K00E	J2D							38	A		CIS12
D	KONSTANZ	4835.000	03	06	1742	1900			RUS	FX	50H0E	N0N	055	E	58	57	N	39	53			
J	TOKYO	4840.000	26	05	1004					BC		A3E										
D	KONSTANZ	4840.000	01	06	0000	0722				BC	12K6	A3E	012	W	42	56	N	07	310			
D	KONSTANZ	4840.000	02	06	0000	0703				BC	12K6	A3E	012	W	42	56	N	07	310			
D	KONSTANZ	4840.000	03	06	0000	0620				BC	12K6	A3E	012	W	42	56	N	07	310			
I	ROMA	4848.300	28	04	1800	1835	12.0		TUN	FX	3K00E	J2D							204	A		
D	KONSTANZ	4848.438	01	06	0000	0907			S	FX	100HE	A1A	015	E	11	56	N	01	22			
D	KONSTANZ	4848.438	01	06	1522	2400			S	FX	100HE	A1A	015	E	11	56	N	01	22			
D	KONSTANZ	4848.438	02	06	0000	0824			S	FX	100HE	A1A	015	E	11	56	N	01	22			
D	KONSTANZ	4850.028	07	05	1716	2400				FX	2K94	J7D	060	E	25	53	N	44	59			
D	KONSTANZ	4850.028	08	05	1625	2400				FX	2K94	J7D	060	E	25	53	N	44	59			
D	KONSTANZ	4850.028	09	05	0000	0415				FX	2K94	J7D	060	E	25	53	N	44	59			
D	KONSTANZ	4850.028	10	05	1913	2400				FX	2K94	J7D	060	E	25	53	N	44	59			
D	KONSTANZ	4857.990	02	05	2055	2400			RUS	FX	280HE	F1B							19			
D	KONSTANZ	4857.990	03	05	0000	0424			RUS	FX	280HE	F1B							19			
D	KONSTANZ	4863.850	01	05	0000	0520				FX	2K60E	J7D							32			
D	KONSTANZ	4863.850	01	05	1620	2400				FX	2K60E	J7D	025	E	37	60	N	01	32			
D	KONSTANZ	4863.850	02	05	0000	0520				FX	2K60E	J7D	025	E	37	60	N	01	32			
D	KONSTANZ	4863.850	02	05	1650	2400				FX	2K60E	J7D	025	E	37	60	N	01	32			
D	KONSTANZ	4863.850	03	05	0000	0546				FX	2K60E	J7D	025	E	37	60	N	01	32			
J	TOKYO	4866.000	02	06	0750				RUS			F1B	117	E	22	52	N	40	323	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	4880.000	01	05	1627	2142			RUS	BC	10K0E	A3E							38			
J	TOKYO	4880.000	26	05	1005				KRE				126	E	57	39	N	34	294	B		
J	TOKYO	4885.000	05	04	2359				KOR	BC		A3E	126	E	43	37	N	10	282	B		
D	KONSTANZ	4885.000	01	05	0000	0619				BC	10K0E	A3E							248			
D	KONSTANZ	4885.000	02	05	0000	0617				BC	10K0E	A3E							248			
D	KONSTANZ	4885.000	02	05	0000	2400			RUS	BC	10K0E	A3E							35			
D	KONSTANZ	4885.000	02	05	2157	2400				BC	10K0E	A3E							248			
D	KONSTANZ	4885.000	03	05	0000	0612				BC	10K0E	A3E							248			
D	KONSTANZ	4885.000	03	05	1533	2207			RUS	BC	10K0E	A3E							35			
INS	MSPA-SAMARINDA	4885.000	10	06	2301	2305	40.4	R.CLUBE DO PARA	B	BC	9K00E	A3E										
J	TOKYO	4885.010	02	06	0754				KOR	BC		A3E	127	E	32	38	N	12	288	B		
J	TOKYO	4890.000	13	04	1013				KOR	BC		A3E	126	E	50	37	N	17	283	B		
J	TOKYO	4897.000	06	04	0005				RUS			F1B	132	E	52	42	N	52	323	B		
J	TOKYO	4897.000	19	04	0833				RUS			F1B	131	E	52	43	N	09	322	B		
J	TOKYO	4900.000	13	04	1016			CHINA N.R.		BC		A3E	119	E	05	26	N	29	249	B	11	
J	TOKYO	4900.000	26	05	1006			CHINA N.R.		BC		A3E	118	E	42	26	N	52	251	B	11	
INS	MSPA-SAMARINDA	4900.000	10	06	2305	2308	39.7	VOISE OF STRAIT	CAN	BC	9K00E	A3E										
J	TOKYO	4905.000	26	05	1007							F1B							50	C		
INS	MSPA-SAMARINDA	4905.000	10	06	2308	2312	41.2	PBS Xizang	CHN	BC	9K00E	A3E										
I	ROMA	4910.500	28	04	1755		4.0			FX	3K00E	J2D							14	A		
INS	MSPA-SAMARINDA	4920.000	10	06	2312	2318	49.5	PBS Xizang	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	4925.000	10	06	2318	2325	43.9	R.EDUCACAU RUAL	B	BC	9K00E	A3E										
D	KONSTANZ	4930.000	04	05	1659	2100				BC	10K0E	A3E							149			
D	KONSTANZ	4930.000	05	05	0250	0515				FX	50H0E	N0N							313			
D	KONSTANZ	4930.000	05	05	1635	2101				BC	10K0E	A3E							149			
D	KONSTANZ	4930.000	06	05	1629	2100				BC	10K0E	A3E							149			
D	KONSTANZ	4932.005	04	05	0000	0550				FX	2K43	G1D	012	E	35	63	N	27	9			
D	KONSTANZ	4932.005	04	05	1729	2400				FX	2K43	G1D	012	E	35	63	N	27	9			
D	KONSTANZ	4932.005	05	05	0000	0600				FX	2K43	G1D	012	E	35	63	N	27	9			
D	KONSTANZ	4932.005	05	05	1651	2400				FX	2K43	G1D	012	E	35	63	N	27	9			
D	KONSTANZ	4932.005	06	05	0000	0552				FX	2K43	G1D	012	E	35	63	N	27	9			
D	KONSTANZ	4932.005	06	05	1640	2400				FX	2K43	G1D	012	E	35	63	N	27	9			
D	KONSTANZ	4939.980	05	05	2255	2400				FX	50H0E	N0N							261			
D	KONSTANZ	4939.980	06	05	0250	0616				FX	50H0E	N0N							261			
J	TOKYO	4940.000	13	04	1018			CHINA N.R.		BC		A3E	118	E	23	25	N	56	249	B	11	
J	TOKYO	4940.000	26	05	1016			CHINA N.R.		BC		A3E	119	E	23	26	N	11	248	B	11	
INS	MSPA-SAMARINDA	4940.000	10	06	2325	2330	43.1	R. SAN. ANTONIO	PRU	BC	9K00E	A3E										
D	KONSTANZ	4940.860	04	05	1755	2400				FX	50H0E	N0N	028	E	46	20	N	42	138			
INS	MSPA-SAMARINDA	4950.000	10	06	2330	2335	42.3	R.NASIONAL ANGOLA 1	AGL	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
I	ROMA	4951.500	28	04	1755		14.0		RUS	FX	3K00E	J2D							38	A		CIS12
I	ROMA	4951.500	28	05	1755		5.0		RUS	FX	3K00E	J2D							39	A		CIS12
I	ROMA	4957.500	28	04	1755		8.0			FX	3K00E	J2D							12	A		
D	KONSTANZ	4965.000	08	05	0000	2400			LBY	BC	10K0E	A3E	020	E	42	28	N	17	151			
D	KONSTANZ	4965.000	09	05	1655	2100			LBY	BC	10K0E	A3E							151			
D	KONSTANZ	4969.000	07	05	0000	0330			RUS	FX	100HE	A1A							22			
D	KONSTANZ	4969.000	09	05	0000	0324			RUS	FX	100HE	A1A							22			
D	KONSTANZ	4975.000	07	05	0000	0600			CAN	FX	50H0E	N0N							301			
D	KONSTANZ	4975.000	08	05	0000	0600			CAN	FX	50H0E	N0N	055	W	32	47	N	28	301			
D	KONSTANZ	4975.000	09	05	0000	0625			CAN	FX	50H0E	N0N	055	W	32	47	N	28	301			
D	KONSTANZ	4980.000	07	05	0000	0700			CAN	BC	10K0E	A3E							299			
D	KONSTANZ	4980.000	08	05	0000	0703			CAN	BC	10K0E	A3E	053	W	33	48	N	41	299			
D	KONSTANZ	4980.000	09	05	0000	0725			CAN	BC	10K0E	A3E	053	W	33	48	N	41	299			
INS	MSPA-SAMARINDA	4980.000	10	06	2337	2340	43.6	PBS Xizang	CHN	BC	9K00E	A3E										
D	KONSTANZ	4984.500	07	05	0000	0306			RUS	FX	2K60E	J7D							79			
D	KONSTANZ	4984.500	08	05	0000	0242			RUS	FX	2K60E	J7D	045	E	05	46	N	38	79			
J	TOKYO	4985.000	13	04	1020				USA			F1B	118	W	36	41	N	12	50	B		
D	KONSTANZ	4987.000	07	05	0000	0602			USA	FX		F1B							304			
D	KONSTANZ	4987.000	08	05	0000	0534			USA	FX		F1B							304			
D	KONSTANZ	4987.000	09	05	0000	0607			USA	FX		F1B							304			
INS	MSPA-SAMARINDA	4990.000	10	06	2340	2344	42.3	PBS HUNAN	CHN	BC	9K00E	A3E										
D	KONSTANZ	4996.000	07	05	0000	0535			RUS	FX	100HE	A1A							47			
D	KONSTANZ	4996.000	07	05	1530	2400			RUS	FX	100HE	A1A	037	E	48	58	N	29	47			
D	KONSTANZ	4996.000	08	05	0000	0609			RUS	FX	100HE	A1A	037	E	48	58	N	29	47			
D	KONSTANZ	4996.000	08	05	1530	2400			RUS	FX	100HE	A1A	037	E	48	58	N	29	47			
D	KONSTANZ	4996.000	09	05	0000	0641			RUS	FX	100HE	A1A	037	E	48	58	N	29	47			
D	KONSTANZ	4996.000	09	05	1530	2400			RUS	FX	100HE	A1A							47			
I	ROMA	4996.000	28	05	1755		20.0	RWM	RUS	SS	100HE	A1A							34	A		TIME SIGNAL
J	TOKYO	5000.000	06	04	0017				KOR	SS		AXW	127	E	03	35	N	39		A		
J	TOKYO	5000.000	13	04	1025			WWVH		SS		AXW							90	C		
J	TOKYO	5000.000	13	04	1025			WWV		SS		AXW										
J	TOKYO	5000.000	13	04	1025			BPM		SS		AXW										
J	TOKYO	5000.000	13	04	1025			HLA		SS		AXW	127	E	42	36	N	01	276	B		
J	TOKYO	5000.000	19	04	0843			WWVH		SS		AXW										
I	ROMA	5000.000	27	04	2128	2128	16.0	BPM	CHN	SS	1K00E	A9W										CALL SIGN CW
I	ROMA	5000.000	28	04	0755	0851	4.0	?		SS	100HE								241	A		TIME SIGNAL
J	TOKYO	5000.000	10	05	0134				KOR	SS		AXW	128	E	00	35	N	51	275	B		
J	TOKYO	5000.000	16	05	2355				KOR	SS		AXW	127	E	51	36	N	34	279	B		
J	TOKYO	5000.000	26	05	1018			WWVH		SS		AXW										

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	26	05	1018			BPM		SS		AXW										
J	TOKYO	5000.000	02	06	0759				KOR	SS		AXW	127	E	56	36	N	11	277	B		
J	TOKYO	5000.000	09	06	0612				KOR	SS		AXW	126	E	50	36	N	53	281	B		
INS	MSPA-SAMARINDA	5000.000	10	06	2344	2346	52.7	WWVA	USA	SS	5K00E	A3E										Time signal
J	TOKYO	5000.000	21	06	0427				KOR	SS		AXW	126	E	52	37	N	03	281	B		
J	TOKYO	5000.000	28	06	0152				KOR	SS		AXW										
D	KONSTANZ	5005.875	10	05	0000	0640			POL	FX	614H	F1B	018	E	26	54	N	50	35			N OF GDANSK
D	KONSTANZ	5005.875	10	05	1751	2400			POL	FX	614H	F1B	018	E	26	54	N	50	35			N OF GDANSK
D	KONSTANZ	5005.875	11	05	0000	0800			POL	FX	614H	F1B	018	E	26	54	N	50	35			N OF GDANSK
D	KONSTANZ	5005.875	11	05	2006	2400			POL	FX	614H	F1B	018	E	26	54	N	50	35			N OF GDANSK
D	KONSTANZ	5005.875	12	05	0000	0334			POL	FX	614H	F1B	018	E	26	54	N	50	35			N OF GDANSK
D	KONSTANZ	5005.875	12	05	1757	2400			POL	FX	614H	F1B	018	E	26	54	N	50	35			N OF GDANSK
D	KONSTANZ	5007.000	12	05	1750	2220			AUS	FX	100HE	A1A							75			
D	KONSTANZ	5010.000	13	05	2235	2400				BC	10K0E	A3E							236			
D	KONSTANZ	5010.002	11	05	2242	2400			USA	BC	10K0E	A3E							288			
D	KONSTANZ	5010.002	12	05	0000	0259			USA	BC	10K0E	A3E							288			
D	KONSTANZ	5010.990	10	05	0026	0435			RUS	FX		F1B							24			
J	TOKYO	5020.000	13	04	1033					BC		A3E							160	C		
D	BERLIN	5021.995	10	05	2000	2400			CHN	FX	280HE	F1B							68			
D	BERLIN	5021.995	11	05	0000	0605			CHN	FX	280HE	F1B							68			
D	BERLIN	5021.995	11	05	1956	2400			CHN	FX	280HE	F1B							68			
D	BERLIN	5021.995	12	05	0000	2400			CHN	FX	280HE	F1B							68			
J	TOKYO	5025.000	13	04	1035					BC		A3E							45	C		
D	KONSTANZ	5025.000	10	05	0000	0703			USA	BC	10K0E	A3E							298			
D	KONSTANZ	5025.000	11	05	0000	0700			USA	BC	10K0E	A3E							298			
D	KONSTANZ	5025.000	11	05	2224	2400			USA	BC	10K0E	A3E							298			
D	KONSTANZ	5025.000	12	05	0000	0650			USA	BC	10K0E	A3E							298			
D	KONSTANZ	5025.000	12	05	2208	2400				FX	50H0E	N0N							254			
J	TOKYO	5025.000	26	05	1019					BC		A3E							48	C		
INS	MSPA-SAMARINDA	5025.000	10	06	2346	2348	40.2	R. REBELDE	CUB	BC	9K00E	A3E										
D	KONSTANZ	5038.395	11	05	1827	2400				FX	2K70	AXX	038	E	11	04	N	04	141			
D	KONSTANZ	5038.395	12	05	0000	0317				FX	2K70	AXX	038	E	11	04	N	04	141			
D	KONSTANZ	5040.000	10	05	0000	0655			CAN	BC	10K0E	A3E	054	W	44	47	N	37	295			
D	KONSTANZ	5040.000	11	05	0000	0600			CAN	BC	10K0E	A3E	054	W	44	47	N	37	295			
D	KONSTANZ	5040.000	12	05	0000	0645			CAN	BC	10K0E	A3E	054	W	44	47	N	37	295			
INS	MSPA-SAMARINDA	5040.000	10	06	2350	2354	42.5	R. HABANA CUBA	CUB	BC	9K00E	A3E										
J	TOKYO	5050.000	13	04	1038					BC		A3E							255	C		
INS	MSPA-SAMARINDA	5050.000	09	06	2305	2308	40.5	VO BEIBU BAY RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5050.000	10	06	2354	2357	41.3	VO BEIBU BAY RADIO	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	5055.000	09	06	2308	2313	41.2	Radio 4kz	AUS	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5068.000	09	06	2317	2321	44.8				1K00E	A1A										MORSE
D	KONSTANZ	5074.900	13	05	1937	2400				FX	50H0E	N0N	025	E	04	56	N	20	43			
D	KONSTANZ	5074.900	14	05	0000	0307				FX	50H0E	N0N	025	E	04	56	N	20	43			
D	KONSTANZ	5080.850	13	05	0400	0535				FX	2K59	G1D							202			
D	KONSTANZ	5080.850	14	05	0358	0525				FX	2K59	G1D							202			
INS	MSPA-SAMARINDA	5082.000	09	06	2313	2317	40.4		INS	MS	2K40E	J3E										Nelayan Bahasa Jawa
D	KONSTANZ	5085.000	13	05	0056	0405			IRL	BC	10K0E	A3E	010	W	03	54	N	30	304			
D	KONSTANZ	5085.000	14	05	0052	0500			IRL	BC	10K0E	A3E	010	W	03	54	N	30	304			
D	KONSTANZ	5085.000	15	05	0000	0509			IRL	BC	10K0E	A3E	010	W	03	54	N	30	304			
J	TOKYO	5089.560	02	06	0805				CHN			A1A	123	E	16	42	N	13	301	B		
J	TOKYO	5089.570	26	05	1020				CHN			A1A	121	E	42	41	N	46	299	B		
D	KONSTANZ	5092.000	13	05	0445	0543				FX	280HE	F1B	023	E	18	56	N	16	39			
D	KONSTANZ	5098.755	15	05	0000	0217				MS	2K70E	G1D	038	W	49	55	N	25	303			
J	TOKYO	5099.560	13	04	1041				CHN			A1A	123	E	54	41	N	54	301	B		
D	KONSTANZ	5109.760	16	05	0850	1318			G	FX	2K40	G1D	000	E	27	53	N	24	320			
D	KONSTANZ	5109.760	17	05	0845	1555			G	FX	2K40	G1D	000	E	27	53	N	24	320			
D	KONSTANZ	5109.760	18	05	0800	1600			G	FX	2K40	G1D	000	E	27	53	N	24	320			
D	KONSTANZ	5109.945	18	05	1820	2400			FIN	FX	280H	F1B	027	E	20	61	N	31	30			
D	KONSTANZ	5129.931	16	05	2243	2400			AUS	FX	50H0E	N0N							80			
D	KONSTANZ	5129.931	17	05	0000	0155			AUS	FX	50H0E	N0N							80			
D	KONSTANZ	5129.931	17	05	2249	2400			AUS	FX	50H0E	N0N							80			
D	KONSTANZ	5129.931	18	05	0000	0050			AUS	FX	50H0E	N0N							80			
J	TOKYO	5131.800	13	04	1044				CHN			J2B	119	E	17	31	N	37	263	A		
I	ROMA	5140.000	28	04	1900	1906	44.0	CHARLESTON RADIO		BC	10K0E	A3E							324	A		
D	KONSTANZ	5140.000	16	05	0000	2400				BC	10K0E	A3E	007	E	47	45	N	44	203			
D	KONSTANZ	5140.000	17	05	0000	2400				BC	10K0E	A3E	007	E	47	45	N	44	203			
D	KONSTANZ	5140.000	18	05	0000	2400				BC	10K0E	A3E	007	E	47	45	N	44	203			
J	TOKYO	5142.530	26	05	1020				RUS				132	E	56	43	N	54	328	B		
D	KONSTANZ	5147.476	17	05	1739	2305			TUR	FX	2K70E	G1D	029	E	11	36	N	20	128			
D	KONSTANZ	5153.700	19	05	1705	2400				FX	100HE	A1A	028	E	44	47	N	48	83			
D	KONSTANZ	5153.700	20	05	0000	0354				FX	100HE	A1A	028	E	44	47	N	48	83			
D	KONSTANZ	5153.700	21	05	0000	0545				FX	100HE	A1A	028	E	44	47	N	48	83			
I	ROMA	5154.000	28	04	1907	1907	19.0	LETTER A		FX	100HE	A1A										
INS	MSPA-SAMARINDA	5154.000	09	06	2321	2325	43.6	BEACON (SLB)	RUS		1K00E	A1A										Moscow Russia
J	TOKYO	5154.200	13	04	1046			F				A1A	132	E	05	43	N	28	323	B		
J	TOKYO	5154.300	13	04	1047			K				A1A	157	E	27	51	N	49	31	B		
J	TOKYO	5154.400	13	04	1047			M				A1A	140	E	35	51	N	54	0	B		
I	ROMA	5156.800	28	04	1900	1906	9.0	LETTER L		FX	100HE	A1A							24	A		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5156.800	19	05	1752	2400			RUS	FX	100HE	A1A	038	E	04	63	N	06	36			
D	KONSTANZ	5156.800	20	05	0000	0354			RUS	FX	100HE	A1A	038	E	04	63	N	06	36			
D	KONSTANZ	5156.800	20	05	1805	2400			RUS	FX	100HE	A1A	038	E	04	63	N	06	36			
D	KONSTANZ	5156.800	21	05	0000	0446			RUS	FX	100HE	A1A	038	E	04	63	N	06	36			
D	KONSTANZ	5162.000	19	05	0000	1230			G	FX	2K70E	G1D	001	E	26	52	N	45	317			
D	KONSTANZ	5162.000	19	05	1510	2400			G	FX	2K70E	G1D	001	E	26	52	N	45	317			
D	KONSTANZ	5162.000	20	05	0000	2400			G	FX	2K70E	G1D	001	E	26	52	N	45	317			
D	KONSTANZ	5162.000	21	05	0000	2400			G	FX	2K70E	G1D	001	E	26	52	N	45	317			
D	BERLIN	5169.000	19	05	1833	2400				MS	2K60E	J7D	019	E	06	55	N	35	52			
D	BERLIN	5169.000	20	05	0000	0318				MS	2K60E	J7D	019	E	06	55	N	35	52			
J	TOKYO	5170.000	13	04	1053				CHN			J3E	020	E	45	24	N	11	241	B		
D	KONSTANZ	5176.000	19	05	0000	2400			G	FX	2K70E	G1D	001	W	10	53	N	44	318			
D	KONSTANZ	5176.000	20	05	0000	2400			G	FX	2K70E	G1D	001	W	10	53	N	44	318			
D	KONSTANZ	5176.000	21	05	0000	2400			G	FX	2K70E	G1D	001	W	10	53	N	44	318			
D	KONSTANZ	5178.000	19	05	1832	2400				FX	280HE	F1B	030	E	25	69	N	40	22			
D	KONSTANZ	5178.000	20	05	0000	0409				FX	280HE	F1B	030	E	25	69	N	40	22			
D	KONSTANZ	5178.000	20	05	1845	2400				FX	280HE	F1B	030	E	25	69	N	40	22			
D	KONSTANZ	5179.000	20	05	0400	0425			RUS	FX	50H0E	N0N	020	E	50	54	N	43	58			A OF KALININGRAD
I	ROMA	5180.000	28	04	1908	1908	3.0	296		FX	3K10E	J2D										141 ALE
I	ROMA	5191.000	28	04	1902	1902	19.0	HA2		FX	3K00E	J2D										141 ALE
I	ROMA	5191.000	28	04	1902	1903	17.0	Q4*		FX	3K00E	J2D										141 ALE
J	TOKYO	5193.770	26	05	1035			M				A1A	139	E	46	49	N	50	358	B		
I	ROMA	5194.000	28	04	1904	1905	19.0	1EB41EB12A5		FX	100HE	F1B										T600 50 BD
I	ROMA	5195.000	28	04	1910	1915	1.0	DRA		FX	100HE	A1A										
I	ROMA	5195.000	28	04	1910	1920	1.0	DRA		FX	100HE	A1A										
D	KONSTANZ	5195.000	19	05	1539	2205				FX	100HE	A1A	009	E	55	54	N	36	5			
J	TOKYO	5203.000	10	05	0136							F1B										
I	ROMA	5205.800	12	05	1900		4.0	LX0HF	LUX	FX	100HE	A1A							333	B		BEACON
D	KONSTANZ	5210.670	22	05	1554	2020			GRC	FX	2K78	G1D	022	E	26	39	N	46	124			
D	KONSTANZ	5214.890	22	05	1758	1845			AUS	FX	2K60E	J7D							77			
D	KONSTANZ	5214.890	23	05	1743	1949			AUS	FX	2K60E	J7D							77			
D	KONSTANZ	5217.404	22	05	0000	2400				MS	2K56	G1D	005	E	54	42	N	08	204			
D	KONSTANZ	5217.404	23	05	0000	2400				MS	2K56	G1D	005	E	54	42	N	08	204			
D	KONSTANZ	5217.404	24	05	0000	2400				MS	2K56	G1D	005	E	54	42	N	08	204			
J	TOKYO	5221.500	02	06	0810				KRE			A1A	126	E	25	39	N	16	292	B		
J	TOKYO	5226.880	06	04	0032				RUS				132	E	01	43	N	07	322	A		
D	KONSTANZ	5233.930	23	05	1748	2400				FX	3K20	G1D	030	E	25	54	N	45	54			
D	KONSTANZ	5233.930	24	05	0000	0336				FX	3K20	G1D	030	E	25	54	N	45	54			
D	KONSTANZ	5233.930	24	05	1905	2400				FX	3K20	G1D	030	E	25	54	N	45	54			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5241.660	22	05	0927	1940			G	FX	2K79	G1D	004	W	11	57	N	53	324			
D	KONSTANZ	5241.660	23	05	0455	0937			G	FX	2K79	G1D	004	W	11	57	N	53	324			
D	KONSTANZ	5241.660	23	05	1538	1855			G	FX	2K79	G1D	004	W	11	57	N	53	324			
D	KONSTANZ	5241.660	24	05	0500	1900			G	FX	2K79	G1D	004	W	11	57	N	53	324			
D	KONSTANZ	5242.079	23	05	2000	2400			RUS	FX	350HE	F1B	035	E	35	56	N	47	50			NW OF MOSKVA
D	KONSTANZ	5242.079	24	05	0000	0244			RUS	FX	350HE	F1B	035	E	35	56	N	47	50			NW OF MOSKVA
D	KONSTANZ	5247.840	22	05	0000	0613			GRC	FX	3K28	G7D	021	E	57	38	N	51	128			
D	KONSTANZ	5247.840	22	05	1623	2400			GRC	FX	3K28	G7D	021	E	57	38	N	51	128			
D	KONSTANZ	5247.840	23	05	0000	0509			GRC	FX	3K28	G7D	021	E	57	38	N	51	128			
D	KONSTANZ	5247.840	23	05	1626	2400			GRC	FX	3K28	G7D	021	E	57	38	N	51	128			
D	KONSTANZ	5247.840	24	05	0000	0600			GRC	FX	3K28	G7D	021	E	57	38	N	51	128			
D	KONSTANZ	5247.840	24	05	1545	2400			GRC	FX	3K28	G7D	021	E	57	38	N	51	128			
D	KONSTANZ	5250.000	25	05	1712	1943				FX	2K60E	J7D	033	E	13	54	N	34	55			
D	KONSTANZ	5250.000	26	05	1820	2400				FX	2K60E	J7D	033	E	13	54	N	34	55			
D	KONSTANZ	5250.000	27	05	0000	0422				FX	2K60E	J7D	033	E	13	54	N	34	55			
J	TOKYO	5255.000	19	04	0918							A1A										
J	TOKYO	5259.950	26	05	1037				RUS				133	E	22	43	N	08	326	B		
J	TOKYO	5266.000	06	04	0040				KOR			J2D	126	E	21	34	N	36	268	A		
D	KONSTANZ	5267.997	25	05	0000	0557			RUS	FX	300H	F1B	033	E	49	56	N	17	50			
D	KONSTANZ	5267.997	26	05	0000	0553			RUS	FX	300H	F1B	033	E	49	56	N	17	50			
D	KONSTANZ	5267.997	27	05	0000	0556			RUS	FX	300H	F1B	033	E	49	56	N	17	50			
I	ROMA	5268.000	12	05	1903		14.0	1414BEBE952	RUS	FX	250HE	F1B							38	A		50 BD
D	KONSTANZ	5268.000	25	05	2036	2400				FX	290HE	F1B	026	E	08	55	N	49	45			
D	KONSTANZ	5268.000	26	05	2047	2400				FX	290HE	F1B	026	E	08	55	N	49	45			
D	KONSTANZ	5268.000	27	05	2044	2400				FX	290HE	F1B	026	E	08	55	N	49	45			
I	ROMA	5275.000	12	05	1902	1902	24.0		SUI	FX	3K00E	J2D							328	A		MIL 188-141 ALE
I	ROMA	5275.000	12	05	1923	1925	23.0		SUI	FX	3K00E	J2D							322	A		MIL 188-110
D	KONSTANZ	5275.950	25	05	1703	1858				FX	400HE	F1B	026	E	37	55	N	52	46			
D	KONSTANZ	5276.700	25	05	1919	2400			SUI	FX	2K70E	G1D	007	E	21	46	N	19	235			
D	KONSTANZ	5276.700	26	05	0000	2330			SUI	FX	2K70E	G1D	007	E	21	46	N	19	235			
D	KONSTANZ	5276.700	27	05	0000	2400			SUI	FX	2K70E	G1D	007	E	21	46	N	19	235			
D	KONSTANZ	5282.094	25	05	0000	0402				FX	3K00E	J3E	054	E	36	42	N	06	83			
D	KONSTANZ	5286.000	25	05	1700	1854			CHN	FX	400HE	F1B	089	E	20	38	N	46	71			
D	KONSTANZ	5290.990	27	05	0000	2400		HB9AW	SUI	FX	100HE	A1A	008	E	05	47	N	09	236			
I	ROMA	5291.000	12	05	1915	1915	18.0	HB9AW	SUI	FX	100HE	A1A							331	A		BEACON
INS	MSPA-SAMARINDA	5300.000	08	06	2330	2335	44.3		INS	AT	2K40E	J3E										Amatir Banjarmasin, kaltim
D	KONSTANZ	5301.790	01	06	0000	0516				FX	2K50	G1D	023	E	02	41	N	35	120			
D	KONSTANZ	5301.790	01	06	1640	2400				FX	2K50	G1D	023	E	02	41	N	35	120			
D	KONSTANZ	5301.790	02	06	0000	0505				FX	2K50	G1D	023	E	02	41	N	35	120			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5301.790	03	06	0000	0508				FX	2K50	G1D	023	E	02	41	N	35	120			
D	KONSTANZ	5301.790	03	06	1710	2400				FX	2K50	G1D	023	E	02	41	N	35	120			
I	ROMA	5313.000	12	05	1921	2000	10.0			FX	3K00E	J2D							67	A		
D	KONSTANZ	5313.000	01	06	0000	0600			RUS	FX	2K60E	J7D	033	E	01	62	N	16	33			
D	KONSTANZ	5313.000	01	06	1640	2400			RUS	FX	2K60E	J7D	033	E	01	62	N	16	33			
D	KONSTANZ	5313.000	02	06	0000	0437			RUS	FX	2K60E	J7D	033	E	01	62	N	16	33			
D	KONSTANZ	5313.000	02	06	1800	2400			RUS	FX	2K60E	J7D	033	E	01	62	N	16	33			
D	KONSTANZ	5313.000	03	06	0000	0517			RUS	FX	2K60E	J7D	033	E	01	62	N	16	33			
D	KONSTANZ	5313.000	03	06	1730	2400			RUS	FX	2K60E	J7D	033	E	01	62	N	16	33			
INS	MSPA-SAMARINDA	5315.000	08	06	2335	2339	42.5		INS	AT	2K40E	J3E										Amatir Bogor , sumsel , jatim
D	KONSTANZ	5321.000	01	06	1736	2045			RUS	FX	2K60E	J7D	058	E	07	56	N	56	54			
INS	MSPA-SAMARINDA	5325.000	08	06	0000	2400	43.2		INS	AT	2K40E	J3E										Amatir Kediri , Kalsel , Kalbar
D	KONSTANZ	5340.000	02	06	0100	0644				FX		F1B							273			
D	KONSTANZ	5347.000	01	06	0000	2400			RUS	FX	2K60E	J7D	020	E	15	54	N	55	40			A OF KALININGRAD
D	KONSTANZ	5347.000	02	06	0000	0915			RUS	FX	2K60E	J7D	020	E	15	54	N	55	40			A OF KALININGRAD
D	BERLIN	5352.178	05	06	1517	1721				FX	100HE	A1A							192			
J	TOKYO	5352.620	06	04	0050				KRE			A1A	126	E	20	40	N	56	300	B		
D	KONSTANZ	5355.000	06	06	2019	2032			S	FX	100HE	A1A	014	E	34	56	N	53	16			
D	KONSTANZ	5358.390	04	06	1730	1826				FX	100HE	A1A	008	E	42	47	N	48	292			
D	KONSTANZ	5358.470	04	06	1318	1558			F	FX	100HE	A1A	002	E	04	48	N	23	281			
J	TOKYO	5361.000	06	04	0055				CHN			A1A	123	E	46	41	N	17	300	B		
D	KONSTANZ	5372.250	04	06	0435	0445			RUS	FX	50H0E	N0N	022	E	08	54	N	57	43			A OF KALININGRAD
I	ROMA	5392.000	12	05	1919	1950			RUS	FX	2K70E	J3E							72	A		
INS	MSPA-SAMARINDA	5392.000	08	06	2343	2347	43.7		INS	MS	2K40E	J3E										FISHERMAN-JAVANESE LANGUAGE
I	ROMA	5393.000	12	05	1900		2.0		RUS	FX	250HE	F1B							72	A		50 BD
I	ROMA	5398.000	12	05	1900		12.0		RUS	FX	250HE	F1B							17			50 BD
D	KONSTANZ	5398.000	04	06	0000	0755				FX		F1B	030	E	07	56	N	04	49			
D	KONSTANZ	5398.000	04	06	1800	2400				FX		F1B	030	E	07	56	N	04	49			
D	KONSTANZ	5398.000	05	06	0000	0758				FX		F1B	030	E	07	56	N	04	49			
D	KONSTANZ	5398.000	06	06	0000	0800				FX		F1B	030	E	07	56	N	04	49			
D	KONSTANZ	5398.000	06	06	1758	2400				FX		F1B	030	E	07	56	N	04	49			
D	KONSTANZ	5398.000	06	06	1800	2400				FX		F1B	030	E	07	56	N	04	49			
I	ROMA	5398.500	29	06	1901	1917	20.0	GB 100 BBC	G	AT	2K70E	J3E									3	
INS	MSPA-SAMARINDA	5400.000	08	06	2347	2351	42.4		INS	MS	2K70E	J3E										FISHERMAN-MAKASSAR LANGUAGE
I	ROMA	5402.000	07	06	1840	1850	27.0			FX	20K0	J2D							41	A		
I	ROMA	5411.000	07	06	1834	1849	22.0			FX	3K00E	J2D							48	A		
D	KONSTANZ	5411.900	07	06	1834	1850			RUS	FX	2K90	X0N	059	E	55	56	N	36	54			
J	TOKYO	5419.000	26	05	1044							A1A										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5433.500	07	06	0000	2400			I	FX	2K70E	G1D	012	E	16	41	N	47	157			A OF ROME
D	KONSTANZ	5433.500	08	06	0000	1055			I	FX	2K70E	G1D	012	E	16	41	N	47	157			A OF ROME
D	KONSTANZ	5433.500	08	06	1245	2400			I	FX	2K70E	G1D	012	E	16	41	N	47	157			A OF ROME
D	KONSTANZ	5433.500	09	06	0000	0341			I	FX	2K70E	G1D	012	E	16	41	N	47	157			A OF ROME
D	KONSTANZ	5433.500	09	06	0606	2400			I	FX	2K70E	G1D	012	E	16	41	N	47	157			A OF ROME
J	TOKYO	5437.000	06	04	0103				RUS			F1B	132	E	07	43	N	13	322	B		
D	KONSTANZ	5444.438	07	06	2231	2236			BIH	FX	2K70	G1D	018	E	24	44	N	39	112			
D	KONSTANZ	5448.000	07	06	0000	0504				FX		F1B	028	E	50	67	N	59	18			
D	KONSTANZ	5448.000	08	06	0000	0640				FX		F1B	028	E	50	67	N	59	18			
D	KONSTANZ	5448.000	08	06	1741	2400				FX		F1B	028	E	50	67	N	59	18			
D	KONSTANZ	5448.000	08	06	1755	2400				FX		F1B	028	E	50	67	N	59	18			
D	KONSTANZ	5448.000	09	06	0000	0510				FX		F1B	028	E	50	67	N	59	18			
D	KONSTANZ	5450.300	04	06	0000	0310			G	FX	3K00E	J3E	003	W	10	53	N	46	312			
D	BERLIN	5478.991	05	06	0000	0343				FX	2K60E	J7D	027	E	10	51	N	43	89			
D	BERLIN	5478.991	05	06	1735	2400				FX	2K60E	J7D	027	E	10	51	N	43	89			
D	BERLIN	5478.991	06	06	0000	0339				FX	2K60E	J7D	027	E	10	51	N	43	89			
D	BERLIN	5478.991	06	06	1625	2400				FX	2K60E	J7D	027	E	10	51	N	43	89			
D	BERLIN	5478.991	06	06	1809	2400				FX	2K60E	J7D	027	E	10	51	N	43	89			
I	ROMA	5494.800	07	06	1800		10.0	P	RUS	RN	100HE	A1A							16	B		
I	ROMA	5498.700	07	06	1806	1816	20.0	VPPS		FX	270HE	F1B							62	B		BAUDOT 75BD
I	ROMA	5505.000	07	06	1800		7.0	SHANNON	IRL	FA	3K00E	J3E							314	A		VOLMET
I	ROMA	5505.000	29	06	1915	1920	21.0	SHANNON	IRL	FA	3K00E	J3E										VOLMET
D	KONSTANZ	5506.500	07	06	0000	2400			IRL	FX	3K00E	J3E	006	W	59	52	N	47	303			
D	KONSTANZ	5506.500	08	06	0000	2400			IRL	FX	3K00E	J3E	006	W	59	52	N	47	303			
D	KONSTANZ	5506.500	09	06	0000	2400			IRL	FX	3K00E	J3E	006	W	59	52	N	47	303			
D	KONSTANZ	5530.000	07	06	0615	2400			NOR	FX	2K80	G1D	010	E	38	60	N	21	5			A OF OSLO
D	KONSTANZ	5530.000	08	06	0000	2400			NOR	FX	2K80	G1D	010	E	38	60	N	21	5			A OF OSLO
D	KONSTANZ	5530.000	09	06	0000	2400			NOR	FX	2K80	G1D	010	E	38	60	N	21	5			A OF OSLO
D	KONSTANZ	5539.050	07	06	1807	2400				MS	3K00E	JXX	025	E	15	36	N	12	128			
D	KONSTANZ	5539.050	08	06	0000	0335				MS	3K00E	JXX	025	E	15	36	N	12	128			
D	KONSTANZ	5539.050	08	06	1755	2400				MS	3K00E	JXX	025	E	15	36	N	12	128			
D	KONSTANZ	5539.050	09	06	0000	0336				MS	3K00E	JXX	025	E	15	36	N	12	128			
D	KONSTANZ	5555.000	10	06	1801	2400			TUR	FX	2K46	G1D	030	E	09	37	N	20	117			
D	KONSTANZ	5555.000	11	06	0000	0359			TUR	FX	2K46	G1D	030	E	09	37	N	20	117			
D	KONSTANZ	5555.000	11	06	1832	2400			TUR	FX	2K46	G1D	030	E	09	37	N	20	117			
D	KONSTANZ	5555.000	12	06	0000	0340			TUR	FX	2K46	G1D	030	E	09	37	N	20	117			
D	KONSTANZ	5555.000	12	06	1753	2400			TUR	FX	2K46	G1D	030	E	09	37	N	20	117			
D	KONSTANZ	5613.000	14	06	0530	1131			F	FX	5K90	A7D	005	E	27	43	N	25	213			A OF MARSEILLE
D	KONSTANZ	5613.000	14	06	1847	2400			F	FX	5K90	A7D	005	E	27	43	N	25	213			A OF MARSEILLE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5613.000	15	06	0000	2400			F	FX	5K90	A7D	005	E	27	43	N	25	213			A OF MARSEILLE
D	KONSTANZ	5617.500	14	06	0000	0445			CAN	FX	3K00E	J3E	064	W	29	55	N	32	309			
D	KONSTANZ	5619.240	15	06	1806	2400			RUS	FX	2K88	G1D	033	E	39	57	N	14	48			
I	ROMA	5634.000	07	06	1950		2.0			FA	2K70E	J3E										
I	ROMA	5649.000	30	05	1900	1912	17.0	SHANWICK RADIO	IRL	FD	2K70E	J3E										
J	TOKYO	5667.000	13	04	1102			SAN FRANCISCO		FA		J3E										
J	TOKYO	5673.000	13	04	1103			GUANGZHOU				J3E	113	E	30	23	N	30	250	B		
I	ROMA	5685.500	07	06	1855		18.0			FX	3K00E	J2D							55	A		
D	KONSTANZ	5686.700	10	06	0000	0501				FX	2K40	F1X	037	E	14	50	N	28	82			
D	KONSTANZ	5686.700	10	06	1548	2400				FX	2K40	F1X	037	E	14	50	N	28	82			
D	KONSTANZ	5686.700	11	06	0000	0545				FX	2K40	F1X	037	E	14	50	N	28	82			
D	KONSTANZ	5686.700	11	06	1637	2400				FX	2K40	F1X	037	E	14	50	N	28	82			
D	KONSTANZ	5686.700	12	06	0000	0330				FX	2K40	F1X	037	E	14	50	N	28	82			
D	KONSTANZ	5686.700	13	06	1845	2400				FX	2K40	F1X	037	E	14	50	N	28	82			
J	TOKYO	5690.720	06	04	0113							A1A										
D	KONSTANZ	5700.908	15	06	1712	2400				FX	2K90	G1D	101	E	42	03	S	34	91			
D	KONSTANZ	5704.746	15	06	1712	2400			AUS	FX	3K00	G1D							93			
D	KONSTANZ	5709.039	17	06	0000	2220			CAN	FX	2K90E	G1D							301			
D	KONSTANZ	5709.039	18	06	0120	2400			CAN	FX	2K90E	G1D							301			
D	KONSTANZ	5710.245	13	06	0000	0300			IRN	FX	1K28	G1D							103			
D	KONSTANZ	5710.245	14	06	1825	2400			IRN	FX	1K28	G1D							103			
D	KONSTANZ	5710.245	15	06	0000	0243			IRN	FX	1K28	G1D							103			
D	KONSTANZ	5721.450	14	06	0008	0525			CAN	FX	2K70E	G1D							330			
D	KONSTANZ	5743.950	13	06	0000	2350			G	FX	2K97	G1D	002	W	38	54	N	04	300			
D	KONSTANZ	5743.950	14	06	0000	2400			G	FX	2K97	G1D	002	W	38	54	N	04	300			
D	KONSTANZ	5743.950	15	06	0000	2400			G	FX	2K97	G1D	002	W	38	54	N	04	300			
D	KONSTANZ	5744.000	14	06	0433	2400			G	FX	2K70E	G1D	001	W	21	50	N	53	299			
D	KONSTANZ	5744.000	15	06	0000	2400			G	FX	2K70E	G1D	001	W	21	50	N	53	299			
D	KONSTANZ	5750.000	13	06	0000	2345			G	FX	2K70E	G1D	001	W	55	53	N	57	303			
D	KONSTANZ	5750.000	14	06	0000	2400			G	FX	2K70E	G1D	001	W	55	53	N	57	303			
D	KONSTANZ	5750.000	14	06	0454	2400			G	FX	2K70E	G1D	004	W	55	50	N	21	293			
D	KONSTANZ	5750.000	15	06	0000	2400			G	FX	2K70E	G1D	004	W	55	50	N	21	293			
D	KONSTANZ	5750.000	15	06	0000	2400			G	FX	2K70E	G1D	001	W	55	53	N	57	303			
D	KONSTANZ	5750.128	16	06	0000	2400			G	FX	2K84	G1D	002	W	00	50	N	55	299			
D	KONSTANZ	5750.128	17	06	0628	2038			G	FX	2K84	G1D	002	W	00	50	N	55	299			
D	KONSTANZ	5750.128	18	06	0300	2400			G	FX	2K84	G1D	002	W	00	50	N	55	299			
D	BERLIN	5753.000	18	06	0000	0038				FX	300H	F1B	029	E	30	68	N	07	272			
D	KONSTANZ	5753.000	18	06	1809	2346				MS	200H	F1B	020	E	10	62	N	14	19			
D	KONSTANZ	5755.400	18	06	1920	2046				MS	2K66	G1D	025	E	48	37	N	48	123			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5759.050	16	06	0000	2400			CAN	FX	2K90E	G1D							301			
D	KONSTANZ	5760.200	16	06	0000	0659			F	MS	2K70E	G1D	005	E	36	41	N	57	207			S OF MARSEILLE
D	KONSTANZ	5760.200	16	06	2022	2400			F	MS	2K70E	G1D	005	E	36	41	N	57	207			S OF MARSEILLE
D	KONSTANZ	5760.200	17	06	0000	0709			F	MS	2K70E	G1D	005	E	36	41	N	57	207			S OF MARSEILLE
D	KONSTANZ	5760.200	17	06	1852	2400			F	MS	2K70E	G1D	005	E	36	41	N	57	207			S OF MARSEILLE
D	KONSTANZ	5760.200	18	06	0000	0715			F	MS	2K70E	G1D	005	E	36	41	N	57	207			S OF MARSEILLE
D	KONSTANZ	5760.200	18	06	1900	2400			F	MS	2K70E	G1D	005	E	36	41	N	57	207			S OF MARSEILLE
I	ROMA	5760.400	07	06	1902		50.0			FX	3K00E	G1D							285	A		STANAG 4285
D	KONSTANZ	5766.890	16	06	1744	2400			GRC	FX	2K70E	G1D	023	E	37	40	N	39	119			A OF THESSALONIKI
D	KONSTANZ	5769.920	17	06	1603	1738				BC	10K8	A3E	006	E	47	52	N	22	342			
I	ROMA	5775.000	07	06	1910		18.0			FX	315HE	A1A							33	A		75 BD
D	KONSTANZ	5775.000	16	06	0000	0415				MS	200H	F1B	017	E	35	57	N	14	25			
D	KONSTANZ	5775.000	18	06	2123	2400				BC	10K0E	A3E							217			
D	KONSTANZ	5782.550	17	06	1611	2400			RUS	FX	2K60E	J7D							55			
D	KONSTANZ	5782.550	18	06	0000	0540			RUS	FX	2K60E	J7D							55			
D	KONSTANZ	5782.550	18	06	1415	2400			RUS	FX	2K60E	J7D							55			
D	KONSTANZ	5794.000	16	06	0000	0310			UKR	FX	2K80	J7D	030	E	04	50	N	13	95			
D	KONSTANZ	5794.000	16	06	1804	2400			UKR	FX	2K80	J7D	030	E	04	50	N	13	95			
D	KONSTANZ	5794.000	17	06	0000	0435			UKR	FX	2K80	J7D	030	E	04	50	N	13	95			
D	KONSTANZ	5794.000	17	06	1725	2400			UKR	FX	2K80	J7D	030	E	04	50	N	13	95			
D	KONSTANZ	5794.000	18	06	0000	0341			UKR	FX	2K80	J7D	030	E	04	50	N	13	95			
I	ROMA	5797.000	07	06	1923	1930	20.0			FX	300HE	F1B							26	A		50 BD
D	KONSTANZ	5800.000	18	06	1750	2400				BC	10K0E	A3E	007	E	11	52	N	35	347			
D	KONSTANZ	5800.000	19	06	0000	0415			USA	BC	10K0E	A3E							295			
D	KONSTANZ	5800.000	19	06	1820	1845			USA	BC	10K0E	A3E							295			
D	KONSTANZ	5800.000	21	06	0000	0414			USA	BC	10K0E	A3E							295			
J	TOKYO	5802.300	02	06	0821				CHN			J2D	129	E	43	45	N	31	324	B		
I	ROMA	5803.000	14	06	1905		23.0	RGR99	RUS	FX	100HE	A1A							39	A		
D	KONSTANZ	5817.794	19	06	0000	0415				MS	2K51	G1D	030	E	07	42	N	11	102			
D	KONSTANZ	5817.794	21	06	0000	0431				MS	2K51	G1D	030	E	07	42	N	11	102			
D	KONSTANZ	5817.794	21	06	1740	2400				MS	2K51	G1D	030	E	07	42	N	11	102			
D	KONSTANZ	5819.500	19	06	0000	2400			POL	FX	315H	F1B	018	E	57	54	N	31	38			A OF GDANSK
D	KONSTANZ	5819.500	20	06	0000	0730			POL	FX	315H	F1B	018	E	57	54	N	31	38			A OF GDANSK
D	KONSTANZ	5819.500	21	06	0000	1036			POL	FX	315H	F1B	018	E	57	54	N	31	38			A OF GDANSK
D	KONSTANZ	5819.500	21	06	1556	2400			POL	FX	315H	F1B	018	E	57	54	N	31	38			A OF GDANSK
D	KONSTANZ	5828.000	19	06	2015	2045			RUS	BC	10K0E	A3E							46			
D	KONSTANZ	5829.940	19	06	0000	0328		IRAN INTERNATIONAL		BC	10K0E	A3E	098	E	57	04	N	30	87			
D	KONSTANZ	5829.940	19	06	1610	2400		IRAN INTERNATIONAL		BC	10K0E	A3E	098	E	57	04	N	30	87			
D	KONSTANZ	5829.940	20	06	0000	0330		IRAN INTERNATIONAL		BC	10K0E	A3E	098	E	57	04	N	30	87			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5829.940	21	06	0000	0331		IRAN INTERNATIONAL		BC	10K0E	A3E	098	E	57	04	N	30	87			
D	KONSTANZ	5829.940	21	06	1630	2400		IRAN INTERNATIONAL		BC	10K0E	A3E	098	E	57	04	N	30	87			
I	ROMA	5830.000	14	06	1900		41.0	IRAN INTERNATIONAL	UZB	BC	9K00E	A3E							74	A		
D	KONSTANZ	5835.000	19	06	2050	2400			RUS	FX		F1B	019	E	20	54	N	47	38			A OF KALININGRAD
D	KONSTANZ	5835.000	20	06	0000	0455			RUS	FX		F1B	019	E	20	54	N	47	38			A OF KALININGRAD
D	KONSTANZ	5835.100	19	06	1505	1830				BC	6K00	A3E	022	E	20	48	N	28	79			
D	KONSTANZ	5839.750	19	06	0000	2400			RUS	FX	2K66	J7D	036	E	42	55	N	31	56			A OF MOSKVA
D	KONSTANZ	5839.750	20	06	0000	0502			RUS	FX	2K66	J7D	036	E	42	55	N	31	56			A OF MOSKVA
D	KONSTANZ	5839.750	21	06	0000	0538			RUS	FX	2K66	J7D	036	E	42	55	N	31	56			A OF MOSKVA
D	KONSTANZ	5844.940	19	06	1720	1830				BC	10K0E	A3E							78			
D	KONSTANZ	5844.940	21	06	1725	1835				BC	10K0E	A3E							78			
J	TOKYO	5847.000	13	04	1110				CHN			A1A	115	E	41	26	N	13	279	B		
J	TOKYO	5850.000	13	04	1113					BC		A3E							40	B		
D	KONSTANZ	5853.810	24	06	1758	2400				MS	3K00E	JXN	027	E	56	32	N	55	129			
D	KONSTANZ	5854.760	23	06	1703	2201				FX		AXX	037	E	01	14	N	29	134			
D	KONSTANZ	5856.942	22	06	0000	0214			FIN	FX	2K84	J7D	025	E	19	60	N	34	31			
J	TOKYO	5857.500	17	05	0009							H3E	127	E	50	35	N	57	276	A		
J	TOKYO	5857.500	02	06	0826			HLL2				H3E	127	E	16	37	N	12	282	B		
J	TOKYO	5857.510	09	06	0630			HLL2				H3E	126	E	58	37	N	04	281	B		
J	TOKYO	5857.520	06	04	0122			HLL2				H3E	127	E	03	36	N	19	278	A		
J	TOKYO	5857.520	26	05	1051			HLL2				H3E										
J	TOKYO	5857.520	21	06	0447			HLL2				H3E	127	E	54	36	N	16	278	B		
I	ROMA	5860.000	14	06	1900		39.0	RADIO FARDA	KWT	BC	9K00E	A3E							102	B		
D	KONSTANZ	5860.000	22	06	0000	0424			IRN	BC	10K0E	A3E	048	E	55	31	N	34	104			
D	KONSTANZ	5860.000	22	06	1620	2400			IRN	BC	10K0E	A3E	048	E	55	31	N	34	104			
D	KONSTANZ	5860.000	23	06	0000	0450			IRN	BC	10K0E	A3E	048	E	55	31	N	34	104			
D	KONSTANZ	5860.000	23	06	1536	2400			IRN	BC	10K0E	A3E	048	E	55	31	N	34	104			
D	KONSTANZ	5860.000	24	06	0000	0440			IRN	BC	10K0E	A3E	048	E	55	31	N	34	104			
D	KONSTANZ	5860.000	24	06	1625	2400			IRN	BC	10K0E	A3E	048	E	55	31	N	34	104			
D	KONSTANZ	5869.225	24	06	1708	2326				FX	2K70E	G1D							92			
J	TOKYO	5875.000	13	04	1121				CHN	BC		A3E	108	E	59	19	N	08	247	B		
I	ROMA	5875.000	14	06	1900		32.0		RUS	FX	9K00E	A3E							43	A		PULSE TONE 1.6 KHZ
D	KONSTANZ	5875.000	22	06	1655	2400			IRN	FX	50H0E	N0N	053	E	18	34	N	44	95			
D	KONSTANZ	5875.000	23	06	1656	2103			IRN	FX	50H0E	N0N	053	E	18	34	N	44	95			
D	KONSTANZ	5875.000	24	06	1658	2100			IRN	FX	50H0E	N0N	053	E	18	34	N	44	95			
D	KONSTANZ	5879.992	24	06	1930	2400				BC	10K0E	A3E	006	E	01	50	N	42	327			
D	KONSTANZ	5890.000	22	06	0200	0743			USA	BC	10K0E	A3E							295			
D	KONSTANZ	5890.000	22	06	1700	1700				BC	10K0E	A3E	105	E	15	16	N	38	74			
D	KONSTANZ	5890.000	23	06	0200	0740			USA	BC	10K0E	A3E							295			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	5890.000	23	06	1700	1859				BC	10K0E	A3E	105	E	15	16	N	38	74			
D	KONSTANZ	5890.000	24	06	0200	0725			USA	BC	10K0E	A3E							295			
D	KONSTANZ	5890.000	24	06	1700	1900				BC	10K0E	A3E	105	E	15	16	N	38	74			
I	ROMA	5894.000	14	06	1903		23.0	RMP	RUS	FX	100HE	A1A							17	A		
D	KONSTANZ	5894.000	22	06	1702	1955			RUS	FX	100HE	A1A	021	E	34	54	N	55	62			A OF KALININGRAD
D	KONSTANZ	5894.000	23	06	1701	1950			RUS	FX	100HE	A1A	021	E	34	54	N	55	62			A OF KALININGRAD
D	KONSTANZ	5894.000	24	06	1700	1957			RUS	FX	100HE	A1A	021	E	34	54	N	55	62			A OF KALININGRAD
I	ROMA	5900.000	30	05	1900	1930	53.0	R TAIWAN INTERNATION		BC	10K0E	A3E									3	DEU
I	ROMA	5900.000	14	06	1930		47.0	BIBLE VOICE	BUL	BC	9K00E	A3E							79	A		
D	KONSTANZ	5900.000	22	06	0000	0258				BC	10K0E	A3E	022	E	21	43	N	06	110			
D	KONSTANZ	5900.000	22	06	1900	2400				BC	10K0E	A3E	022	E	21	43	N	06	110			
D	KONSTANZ	5900.000	23	06	0000	0255				BC	10K0E	A3E	022	E	21	43	N	06	110			
D	KONSTANZ	5900.000	23	06	1900	2400				BC	10K0E	A3E	022	E	21	43	N	06	110			
D	KONSTANZ	5900.000	24	06	0000	0255				BC	10K0E	A3E	022	E	21	43	N	06	110			
D	KONSTANZ	5900.000	24	06	1900	2400				BC	10K0E	A3E	022	E	21	43	N	06	110			
KOR	CRMS	5905.000	05	04	0421	0421	44.0		KRE	BC		A3E									11	
KOR	CRMS	5905.000	13	05	0449	0449	21.7		KRE	BC		A3E									6	
KOR	CRMS	5905.000	13	06	0414	0414	-9.2		KRE	BC		A3E									6	
I	ROMA	5910.000	16	05	1559	1611	47.0	R ROMANIA INTERNATIO	ROU	BC	10K0E	A3E										ITA
I	ROMA	5910.000	26	05	1455	1456	23.0	R ROMANIA INTERNATIO	ROU	BC	10K0E	A3E							69	A		
I	ROMA	5910.000	14	06	1930		69.0	RADIO ROMANIA INT.LE		BC	9K00E	A3E							68	A		
INS	MSPA-SAMARINDA	5915.000	03	06	2314	2316	42.6	Myanmar Radio	BRM	BC	9K00E	A3E										
J	TOKYO	5919.980	21	06	0500				KRE				126	E	25	38	N	25	288	B		
INS	MSPA-SAMARINDA	5925.000	03	06	2316	2320	44.8	Voice of Vietnam	VTN	BC	9K00E	A3E										
I	ROMA	5925.000	14	06	1940		51.0	BBC	UAE	BC	9K00E	A3E							104	A		
INS	MSPA-SAMARINDA	5935.000	03	06	2320	2325	43.2	PBS Xizang	CHN	BC	9K00E	A3E										
I	ROMA	5940.000	16	05	1559	1611	56.0	R AUSTRIA INTERNATIO	AUT	BC	10K0E	A3E										DEU
I	ROMA	5945.000	30	05	1900	1910	64.0	VOCE DELLA TURCHIA	TUR	BC	10K0E	A3E										ENGLISH LANGUAGE
INS	MSPA-SAMARINDA	5945.000	03	06	2325	2326	44.4	CNR I Voice of China	CHN	BC	9K00E	A3E										
I	ROMA	5945.000	14	06	1900	1930	61.0	V.O. TURKEY	TUR	BC	9K00E	A3E							91	A		
INS	MSPA-SAMARINDA	5950.000	03	06	2326	2328	43.3	R. FREE ASIA	KWT	BC	9K00E	A3E										
J	TOKYO	5955.000	12	05	1100			CHINA R.I.	CHN	BC		A3E										
I	ROMA	5960.000	14	06	1930		54.0	V.O. TURKEY	TUR	BC	9K00E	A3E							91	A		
J	TOKYO	5965.000	22	04	1400			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	5965.000	16	06	1400			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	5970.000	03	06	2328	2331	41.5	PBS GANNAN	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5975.000	03	06	2331	2333	40.7	Voice of Vietnam 1	VTN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5985.000	03	06	2333	2336	42.7	Myanmar Radio	BRM	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	5990.000	03	06	2305	2307	41.3	VO ISLAMIC REP. IRAN	IRN	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	6000.000	03	06	2339	2342	41.3	CNR I Voice of China	CHN	BC	9K00E	A3E										
I	ROMA	6005.000	11	05	0813	0814	20.0	RADIO UKRAINE INTERN	D	BC	10K0E	A3E							336	A		
KOR	CRMS	6015.000	11	04	0914	0914	33.0		KRE	BC	9K33E	A3E									6	
J	TOKYO	6015.000	12	04	2345				KRE				126	E	51	39	N	55	296	A		
INS	MSPA-SAMARINDA	6015.000	03	06	2342	2346	40.8	PBS Xinjiang		BC	9K00E	A3E										
I	ROMA	6020.000	30	05	1900	1910	63.0	R.CHINA INTERNATIONAL	CHN	BC	20K0E	A3E									12	
INS	MSPA-SAMARINDA	6020.000	03	06	2346	2349	44.5	Voice of Vietnam 4	VTN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	6025.000	03	06	2349	2352	42.1	PBS Xizang	CHN	BC	9K00E	A3E										
J	TOKYO	6030.000	19	04	1002				CHN	BC		D7W	116	E	32	39	N	54	290	B		
J	TOKYO	6030.000	02	06	1004				CHN				116	E	33	39	N	57	290	B		
INS	MSPA-SAMARINDA	6030.000	03	06	2352	2354	42.5	Thazin Radio	BRM	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	6040.000	03	06	2354	2357	42.7	PBS Nei Menggu	CHN	BC	9K00E	A3E										
KOR	CRMS	6045.000	01	04	0503	0503	27.7	KCB	KRE	BC		A3E									3	
INS	MSPA-SAMARINDA	6050.000	02	06	2301	2305	43.5	PBS XIZANG	CHN	BC	9K00E	A3E										TIB
INS	MSPA-SAMARINDA	6060.000	02	06	2305	2307	40.4	VO ISLAMIC REP. IRAN	IRN	BC	9K00E	A3E										
J	TOKYO	6070.000	21	04	0900			V.O. KOREA	KRE	BC		A3E										
I	ROMA	6070.000	11	05	0817	0818	26.0	RADIO CHANNEL 292	D	BC	10K0E	A3E							354	A		
J	TOKYO	6070.000	12	05	0900			V.O. KOREA	KRE	BC		A3E										
I	ROMA	6070.000	30	05	1900	1910	48.0	RADIO CHANNEL 292		BC	10K0E	A3E										
J	TOKYO	6070.000	16	06	1000			V.O. KOREA	KRE	BC		A3E										
INS	MSPA-SAMARINDA	6075.000	02	06	2307	2309	43.8	R. TAIWAN INT		BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	6080.000	02	06	2309	2311	42.3	CNR 1 Voice OF China	CHN	BC	9K00E	A3E										
I	ROMA	6085.000	11	05	0821	0821		RADIO MI AMIGO INT.	D	BC	10K0	A3E							336	A		
J	TOKYO	6099.920	12	05	2059			KOREAN CENTRAL B.S.	KRE	BC		A3E										
KOR	CRMS	6100.000	12	04	0525	0525	23.9	KCB	KRE	BC		A3E									3	
J	TOKYO	6100.000	22	04	2221			V.O. KOREA	KRE	BC		A3E										
KOR	CRMS	6100.000	11	05	0638	0638	23.5	KCB	KRE	BC		A3E									3	
KOR	CRMS	6100.000	13	06	0414	0414	-8.2	KCB	KRE	BC		A3E									3	
INS	MSPA-SAMARINDA	6105.000	02	06	2313	2315	42.4	CNR 1 Jamming	CHN	BC	9K00E	A3E										
I	ROMA	6110.000	30	05	1900	1910	45.0	R CHINA INTERNATIONAL	CHN	BC	10K0E	A3E										RUS
I	ROMA	6110.500	19	04	0626	0632	8.0		RUS	FX	3K00E	J2D							18	A		CIS12
INS	MSPA-SAMARINDA	6120.000	02	06	2315	2317	43.5	PBS XINJIANG	CHN	BC	9K00E	A3E										TKS
INS	MSPA-SAMARINDA	6125.000	02	06	2311	2313	44.8	CNR 2 - China Business radio	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	6130.000	02	06	2317	2319	42.8	PBS XIZANG	CHN	BC	9K00E	A3E										TIB
J	TOKYO	6140.000	02	06	1009				KRE				125	E	35	39	N	12	291	B		
INS	MSPA-SAMARINDA	6140.000	02	06	2319	2321	43.1	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
J	TOKYO	6140.000	21	06	0602				KRE	BC		D7W	125	E	30	39	N	52	294	A		
J	TOKYO	6142.490	06	04	0131				CHN			A1A	123	E	44	42	N	05	303	B		
I	ROMA	6145.000	30	05	1900	1912	67.0	KBS WORLD RADIO		BC	10K0E	A3E										FRENCH LANGUAGE

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	6150.000	11	05	0824	0826	20.0	EUROPA 24	D	BC	9K00E	A3E							341	A		
J	TOKYO	6155.000	21	04	0800			KBS WORLD R.	KOR	BC		A3E										
J	TOKYO	6155.000	12	05	0800			KBS WORLD R.	KOR	BC		A3E										
INS	MSPA-SAMARINDA	6160.000	02	06	2321	2323	42.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
J	TOKYO	6160.010	12	05	2159			PYONG YANG B.S.	KRE	BC		A3E										
INS	MSPA-SAMARINDA	6165.000	02	06	2323	2325	42.3	CNR 6	CHN	BC	9K00E	A3E										
I	ROMA	6170.000	30	05	1900	1910	50.0	VOA		BC	10K0E	A3E										
INS	MSPA-SAMARINDA	6180.000	02	06	2325	2327	43.7	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	6190.000	02	06	2327	2329	43.5	CNR 2 - China Business radio	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	6195.000	02	06	2329	2331	44.8	BBC	SNG	BC	9K00E	A3E										
J	TOKYO	6200.000	06	04	0133				CHN	BC		A3E	091	E	07	29	N	34	276	A		
J	TOKYO	6214.940	02	06	1013			SOUND OF HOPE		BC		A3E	120	E	18	23	N	44	243	B	11	TAIWAN
J	TOKYO	6214.980	19	04	1004			SOUND OF HOPE		BC		A3E	120	E	57	23	N	15	239	B	11	TAIWAN
INS	MSPA-SAMARINDA	6222.000	02	06	2331	2333	42.6		INS	MS	2K40E	J3E										FISHERMAN-JAVANESE LANGUAGE
INS	MSPA-SAMARINDA	6227.000	02	06	2333	2335	43.5	Ambana Radio	INS	MS	2K40E	J3E										Kapal No. HP 0852 420 180 56
J	TOKYO	6229.930	02	06	1017			SOUND OF HOPE		BC		A3E	120	E	21	23	N	53	241	B	11	TAIWAN
J	TOKYO	6229.950	19	04	1005			SOUND OF HOPE		BC		A3E	121	E	27	24	N	57	242	B	11	TAIWAN
KOR	CRMS	6230.000	04	04	0021	0021	31.0		CHN	BC		A3E									11	
J	TOKYO	6230.000	09	06	0748				CHN	BC		A3E	108	E	51	19	N	05	247	A		
INS	MSPA-SAMARINDA	6242.000	02	06	2335	2340	44.2		INS	MS	2K40E	J3E										FISHERMAN-JAVANESE LANGUAGE
J	TOKYO	6245.000	25	05	2348				KOR	BC		A3E	127	E	08	37	N	45	285	B		
J	TOKYO	6245.000	28	06	0416				KOR	BC		A3E	126	E	06	37	N	26	284	A		
J	TOKYO	6245.500	02	05	0606				KRE				126	E	36	39	N	35	294	B		
J	TOKYO	6250.000	06	04	0135				KOR	BC		A3E	127	E	42	37	N	53	286	A		
J	TOKYO	6250.000	19	04	1005				KOR	BC		A3E	126	E	56	37	N	23	283	B		
J	TOKYO	6250.000	02	06	1025					BC		A3E										
J	TOKYO	6250.000	09	06	0750					BC		A3E										
J	TOKYO	6255.000	13	04	0006				KOR	BC		A3E	127	E	08	37	N	20	283	A		
J	TOKYO	6279.970	19	04	1006			SOUND OF HOPE		BC		A3E	120	E	26	23	N	38	241	B	11	TAIWAN
J	TOKYO	6279.990	02	06	1032			SOUND OF HOPE		BC		A3E	120	E	35	23	N	32	240	B	11	TAIWAN
I	ROMA	6295.000	18	05	1721	2014	37.0			BC	10K0E	A3E									3	ENG AND OTHER LANGUA
J	TOKYO	6316.000	02	06	1035			XSQ		FC		F1B										
J	TOKYO	6322.000	06	04	0139														340	A		
J	TOKYO	6326.000	13	04	0025			XSG				F1B	116	E	43	29	N	17	259	B		
J	TOKYO	6326.000	02	05	0609			XSG		FC		F1B										
J	TOKYO	6326.000	25	05	2352				CHN			F1B	121	E	34	31	N	16	260	B		
J	TOKYO	6326.000	09	06	0758			XSG		FC		F1B										
J	TOKYO	6329.000	02	06	1037			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	6329.250	02	06	1038				CHN				119	E	19	26	N	46	245	B		
J	TOKYO	6340.170	02	06	1042			SOUND OF HOPE		BC		A3E	121	E	07	23	N	01	238	B	11	TAIWAN
J	TOKYO	6348.030	02	05	0610				KOR	BC		A3E	126	E	42	37	N	13	282	B		
J	TOKYO	6348.030	02	06	1043					BC		A3E										
J	TOKYO	6348.030	09	06	0759					BC		A3E										
J	TOKYO	6350.000	02	05	0614				KRE				125	E	25	40	N	08	295	B		
J	TOKYO	6350.030	10	05	0418				KOR	BC		A3E	127	E	21	37	N	11	282	B		
J	TOKYO	6350.030	25	05	2357				KOR	BC		A3E	127	E	19	37	N	09	282	A		
J	TOKYO	6350.060	19	04	1007								125	E	52	39	N	18	292	B		
J	TOKYO	6355.000	21	06	0610				KRE				125	E	35	40	N	18	296	B		
J	TOKYO	6355.030	19	04	1007				KOR	BC		A3E	126	E	54	37	N	08	282	B		
J	TOKYO	6355.030	21	06	0610			ECHO OF HOPE		BC		A3E	126	E	48	36	N	40	279	B	11	
J	TOKYO	6363.000	02	06	1050							A1A										
J	TOKYO	6370.110	02	06	1052				CHN	BC		A3E	120	E	26	22	N	42	238	B		TAIWAN
J	TOKYO	6370.110	09	06	0801			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6378.000	06	04	0141			TP4C				A1A	123	E	39	42	N	04	302	A		
J	TOKYO	6378.000	13	04	0027			TP4C				A1A	122	E	55	42	N	20	302	B		
J	TOKYO	6412.900	09	06	0805				RUS			F1B	132	E	32	43	N	00	322	A		
J	TOKYO	6413.000	10	05	0423				RUS			J2D	132	E	30	43	N	10	323	A		
J	TOKYO	6463.900	09	06	0809														117	B		
I	ROMA	6500.000	21	04	0950		25.0	RADAR		FX	45K0E	PXX							286	A		
I	ROMA	6501.000	05	05	2315	2326	5.0	NMG	USA	FX	3K10E	J3E										USCG FORECAST
I	ROMA	6501.000	05	05	2315	2326	20.0	NMN	USA	FX	3K10E	J3E										USCG FORECAST
J	TOKYO	6519.970	13	04	0033				KRE				125	E	52	38	N	51	290	B		
J	TOKYO	6519.970	19	04	1009					BC		A3E										
J	TOKYO	6520.000	21	06	0617				KRE				125	E	49	38	N	49	290	B		
J	TOKYO	6520.020	02	05	0617					BC		A3E										
J	TOKYO	6520.020	10	05	0427				KOR	BC		A3E	127	E	08	37	N	35	284	A		
J	TOKYO	6520.020	26	05	0005			V.O. PEOPLE		BC		A3E	127	E	03	37	N	39	285	A	11	
J	TOKYO	6520.020	02	06	1057				KOR	BC		A3E	127	E	00	37	N	27	283	B		
J	TOKYO	6520.020	09	06	0811					BC		A3E										
J	TOKYO	6520.020	21	06	0617			V.O. PEOPLE		BC		A3E	127	E	05	37	N	24	283	B	11	
INS	MSPA-SAMARINDA	6556.000	30	05	2311	2314	48.5	SINGAPORE RADIO	SNG	FD	2K70E	J3E										
INS	MSTM-MEDAN	6556.300	31	05	0240	0250	12.0	Unknown	INS	FX		J3E										
KOR	CRMS	6600.000	29	04	0418	0418	27.0		KRE	BC		A3E										6
J	TOKYO	6600.000	02	05	0627				KRE				125	E	29	40	N	07	296	B		
INS	MSPA-SAMARINDA	6600.000	09	05	2327	2330	40.2	VOICE OF THE PEOPLE	KOR	BC	9K00E	A3E									11	
J	TOKYO	6600.000	10	05	0432				KRE				126	E	36	39	N	55	296	A		
INS	MSPA-SAMARINDA	6600.000	11	05	0327	0329	40.8	VOICE OF THE PEOPLE	KOR	BC	9K00E	A3E									11	FISHERMAN-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
INS	MSPA-SAMARINDA	6600.000	13	05	0105	0108	40.3	VOICE OF THE PEOPLE	KOR	BC	9K00E	A3E									11	
INS	MSPA-SAMARINDA	6600.000	30	05	2317	2319	39.3	VOICE OF THE PEOPLE	KOR	BC	9K00E	A3E									11	
KOR	CRMS	6600.000	02	06	0109	0109	59.1		KRE	BC		A3E									6	
J	TOKYO	6600.000	02	06	1103				KOR	BC		A3E	127	E	05	37	N	26	283	B		
J	TOKYO	6600.000	09	06	0815					BC		A3E										
J	TOKYO	6600.000	21	06	0621				KRE				125	E	59	40	N	07	296	B		
J	TOKYO	6600.000	28	06	0423				KOR	BC		A3E	126	E	59	37	N	14	282	A		
J	TOKYO	6600.000	28	06	0423				KRE				125	E	06	40	N	13	296	A		
J	TOKYO	6600.020	26	05	0008			V.O. PEOPLE		BC		A3E	127	E	16	37	N	33	284	B	11	
HNG	TARNOK	6604.000	02	05	0000	0033	26.0				2K70E	J3E										USB
HNG	TARNOK	6606.964	02	05	1530	2400	23.5	4XZ	ISR	FC	100H	A1B										CW
HNG	TARNOK	6606.965	02	05	0000	0432	65.3				100H	A1A										
HNG	TARNOK	6606.965	02	05	0500	0550	26.1	4XZ	ISR	FX	100H	A1A										CW
HNG	TARNOK	6617.000	02	05	0000	0033	29.8				2K70E	H3E										USB
HNG	TARNOK	6617.000	02	05	1525	2400	18.2	VOLMET	RUS	FD	4K00E	A3E										
HNG	TARNOK	6619.400	02	05	1531	2400	21.7				3K00E	G1D										
HNG	TARNOK	6619.500	02	05	0400	0436	26.3				3K00E	G7D										
HNG	TARNOK	6622.000	02	05	0705	0730	19.6	SHANWICK RADIO	IRL	FD	2K70E	J3E										USB
HNG	TARNOK	6628.000	02	05	0520	0540	22.2				2K70E	J3E										USB
HNG	TARNOK	6635.000	02	05	1950	2020	26.4				2K70E	J3E										LSB
HNG	TARNOK	6645.000	02	05	0540	0600	25.7				2K70E	J3E										LSB
HNG	TARNOK	6647.000	02	05	0000	0040	21.8				24K0E	F0N										OTHR
J	TOKYO	6656.000	02	06	1109				CHN			A1A	125	E	08	44	N	00	310	B		
HNG	TARNOK	6660.000	02	05	1850	2030	28.0				2K70E	J3E										LSB
INS	MSKH-KUPANG	6676.000	15	04	0430	0434	12.2	VKA-930	AUS	FA	2K80E	J3E										AUSTRALIAN VOLMET STATION
INS	MSPA-SAMARINDA	6676.000	11	05	0333	0338	49.6	BANGKOK VOLMET	THA	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	6676.000	13	05	0123	0125	50.3	BANGKOK VOLMET	THA	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	6676.000	30	05	2333	2335	49.8	BANGKOK VOLMET	THA	FD	2K70E	J3E										
INS	MSKH-KUPANG	6679.000	13	05	0745	0750	3.3	JIA	J	FA	2K40E	J3E										TOKYO VOLMET
J	TOKYO	6679.000	02	06	1116			HONGKONG				J3E										
HNG	TARNOK	6685.000	02	05	0555	0605	24.0				2K70E	J3E										LSB
INS	MSPA-SAMARINDA	6710.000	11	05	0341	0345	42.4			FD	1K00E	F1B										RTTY
INS	MSKH-KUPANG	6754.000	13	05	0800	0805	0.6	CHR	CAN	FA	2K40E	J3E										TRENTON WOLMET
HNG	TARNOK	6765.000	04	05	0000	1215	42.3				3K00	G1D										STANAG 4285
HNG	TARNOK	6765.000	04	05	1700	2400	32.4				3K00	G1D										STANAG 4285
INS	MSPA-SAMARINDA	6765.000	11	05	0351	0355	48.5	BANGKOK METROLOGICAL RADIO	THA	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	6765.000	13	05	0131	0135	48.3	BANGKOK METROLOGICAL RADIO	THA	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	6765.000	30	05	2350	2355	52.5	BANGKOK METROLOGICAL RADIO	THA	FD	2K70E	J3E									11	FISHERMAN-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	6768.750	02	06	1121				RUS				132	E	54	42	N	56	323	B		
J	TOKYO	6770.000	10	05	0435							A1A										
HNG	TARNOK	6783.618	04	05	0500	1215	27.8				3K00	G1D										STANAG 4285
HNG	TARNOK	6783.618	04	05	1700	1853	26.8				3K00	G1D										STANAG 4285
J	TOKYO	6788.990	06	04	0152							F1B	132	E	55	43	N	01	325	A		
J	TOKYO	6789.000	13	04	0050				RUS			F1B	132	E	46	42	N	55	323	A		
J	TOKYO	6789.000	19	04	1021				RUS			F1B	132	E	22	43	N	26	324	B		
J	TOKYO	6789.000	21	06	0627				RUS			F1B	132	E	36	43	N	05	323	B		
I	ROMA	6790.000	18	05	1912	1912	40.0	4011		FX	3K00E	J2D										MIL STD 188-141 ALE
I	ROMA	6795.000	18	05	1900	1900	21.0	2160		FX	3K00E	J2D							25			141A (ALE)
J	TOKYO	6795.750	02	06	1127				RUS				133	E	11	42	N	58	325	B		
J	TOKYO	6801.000	02	06	1129			LK9M				A1A										
J	TOKYO	6801.000	09	06	0822			LK9M				A1A							291	B		
J	TOKYO	6801.000	21	06	0632				RUS			F1B	136	E	00	49	N	05	348	A		
HNG	TARNOK	6807.618	04	05	1700	2400	29.6				3K00	G1D										STANAG 4285
HNG	TARNOK	6816.000	04	05	0145	0200	47.3				20K0E	F0N										OTHR
J	TOKYO	6824.000	02	05	0632			9WFV				A1A	123	E	37	42	N	13	302	B		
J	TOKYO	6824.000	02	06	1134							F1B										
J	TOKYO	6824.000	09	06	0832			9WFV				A1A	123	E	33	41	N	57	300	A		
HNG	TARNOK	6824.993	04	05	0000	0732	30.9	FAV22		FX	100H	A1B										CW
J	TOKYO	6844.500	09	06	0834														115	A		
J	TOKYO	6849.900	09	06	0835				RUS				139	E	36	48	N	36	115	A		
J	TOKYO	6850.120	19	04	1026			SOUND OF HOPE		BC		A3E	120	E	41	23	N	23	240	B	11	TAIWAN
J	TOKYO	6860.000	06	04	0154				CHN				120	E	30	28	N	18	252	B		
HNG	TARNOK	6864.999	04	05	1700	2400	36.3	SOH XI WANG	CHN	BC	11K7	A3E										
J	TOKYO	6865.000	09	06	0838			CHINA N.R.		BC		A3E							277	A	11	
J	TOKYO	6865.110	09	06	0839			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6865.120	19	04	1026			SOUND OF HOPE		BC		A3E	120	E	52	24	N	14	241	B	11	TAIWAN
J	TOKYO	6879.000	09	06	0820				RUS			F1B	132	E	40	43	N	01	322	A		
INS	MSTM-MEDAN	6883.000	27	05	0210	0220	17.0	Radio Communication		FX	2K80E	J3E							286			
J	TOKYO	6895.000	13	04	0055				KRE				126	E	28	38	N	59	291	B		
HNG	TARNOK	6895.000	04	05	0000	1215	38.6				3K00	G1D										STANAG 4285
HNG	TARNOK	6895.000	04	05	1700	2400	33.3				3K00	G1D										STANAG 4285
J	TOKYO	6899.990	19	04	1027			SOUND OF HOPE		BC		A3E	121	E	02	23	N	06	238	B	11	TAIWAN
KOR	CRMS	6900.000	02	05	0025	0025	8.9		CHN	BC		A3E									11	
J	TOKYO	6900.020	09	06	0843			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	6916.000	26	05	0017				RUS			J2D	132	E	36	42	N	56	322	A		
INS	MSTM-MEDAN	6933.000	27	05	0255	0300	19.0	Radio Communication	INS	FX	2K80E	J3E										Bahasa Aceh
J	TOKYO	6960.000	21	06	0642				KRE				125	E	22	38	N	56	290	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	6967.000	10	05	0438				CHN			A1A	125	E	43	43	N	39	310	B		
J	TOKYO	6969.910	19	04	1027			SOUND OF HOPE		BC		A3E	121	E	14	23	N	47	240	B	11	TAIWAN
J	TOKYO	6970.000	06	04	0158				CHN				120	E	48	28	N	17	254	B		
J	TOKYO	6970.090	09	06	0845			SOUND OF HOPE		BC		A3E									11	
INS	MSTM-MEDAN	6988.000	27	05	0410	0420	26.0	Radio Communication	INS	FX	2K80E	J3E										
INS	MSTM-MEDAN	6995.000	27	05	0420	0425	17.0	Radio Communication	INS	FX	3K00E	J3E										
INS	MSTM-MEDAN	7024.000	27	05	0455	0520	17.0	Radio Communication	INS	FX	2K80E	J3E										
INS	MSKH-KUPANG	7035.000	11	05	0555	0559	6.7	BAYU DAN DARMO (AMATEUR INDONESIA)	INS	AT	2K40E	J3E										JOMBANG DAN JEPARA
J	TOKYO	7039.200	06	04	0201			F				A1A							324	A		
J	TOKYO	7039.300	10	05	0444			K				A1A	158	E	19	53	N	16	30	B		
J	TOKYO	7039.300	09	06	0847			K				A1A							28	B		
J	TOKYO	7039.300	21	06	0649			K				A1A	159	E	03	53	N	55	29	A		
J	TOKYO	7039.400	06	04	0201			M				A1A							358	B		
J	TOKYO	7039.400	09	06	0848			M				A1A										
J	TOKYO	7039.400	21	06	0646			M				A1A	139	E	23	52	N	43	358	B		
INS	MSTM-MEDAN	7079.000	27	05	0610	0620	18.0	Radio Communication	INS	FX	2K80E	J3E										
INS	MSTM-MEDAN	7120.000	27	05	0735	0740	12.0	Unknown		FX	2K80E	J3E										
HNG	TARNOK	7138.000	06	05	0040	0045	26.6	WU9P	USA	AT	2K50	J3E										LSB
HNG	TARNOK	7145.000	06	05	0030	0038	22.5	WA3FET	USA	AT	2K40	J3E										LSB
HNG	TARNOK	7176.000	06	05	0405	0410	31.6	YO3BBM	ROU	AT	3K30	J3E										LSB
HNG	TARNOK	7180.000	06	05	1940	2000	42.5	SX335T	GRC	AT	2K70E	J3E										LSB
KOR	CRMS	7210.000	11	04	0917	0917	10.5		KRE	BC		A3E									6	
KOR	CRMS	7210.000	02	05	0026	0026	22.9		CHN	BC		A3E									6	
HNG	TARNOK	7250.000	08	05	0700	0900	53.0	R.BANGLADESH	BGD	BC	8K94	A3E										
HNG	TARNOK	7254.989	08	05	2050	2300	40.2	PBS XIZANG	CHN	BC	10K0	A3E									3	
HNG	TARNOK	7255.000	08	05	1900	2057	61.3	CRI	CHN	BC	10K5	A3E										
HNG	TARNOK	7259.941	08	05	1600	1804	37.7	PBS XIZANG	CHN	BC	10K8	A3E									3	
I	ROMA	7265.000	11	04	2030	2050	53.0	R CHINA INTERNATIONA	CHN	BC	10K5E	A3E									12	ITA
HNG	TARNOK	7265.000	08	05	1600	1657	52.2	RRO	ROU	BC	10K5	A3E										
HNG	TARNOK	7265.001	08	05	1800	2200	41.7	BBC	MDG	BC	11K7	A3E										
HNG	TARNOK	7274.999	08	05	1700	1800	36.9	KBS W.R.	KOR	BC	10K1	A3E										
J	TOKYO	7275.000	12	05	0755			KBS WORLD R.	KOR	BC		A3E										
HNG	TARNOK	7275.001	08	05	1801	1827	58.0	CRI		BC	10K3	A3E										
HNG	TARNOK	7275.016	08	05	0255	0358	66.2	VOT	TUR	BC	9K20	A3E									3	TWO TRANSMISSIONS
HNG	TARNOK	7285.000	08	05	2000	2200	63.3	CRI	CHN	BC	11K5	A3E										
J	TOKYO	7290.000	22	04	2100			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7290.000	12	05	2100			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	7291.000	08	05	0000	2300	50.4			FX	400H	F1B										SHIFT=200HZ 100 BD
HNG	TARNOK	7295.001	08	05	1900	2100	57.7	CRI		BC	10K3	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	7300.000	08	05	2100	2115	53.4	HCJB R. AKHBAR	G	BC	10K9	A3E										
J	TOKYO	7325.000	01	04	1300			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7325.000	06	05	0600	0627	56.0	RADIO ROMANIA INT.LE	ROU	BC	10K0E	X7W							67	A		DRM
J	TOKYO	7325.000	12	05	1000			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7325.000	12	05	1300			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7325.000	16	06	0613	0617	50.0	RADIO ROMANIA INT.LE	ROU	BC	10K0E	X7W							67	A		DRM
INS	MSTM-MEDAN	7326.000	25	05	0235	0245	3.0	Radio Communication	INS	FX	3K00E	J3E										
I	ROMA	7340.000	27	06	1800	1820	56.0	R CHINA INTERNATIONA	CHN	BC	15K5E	A3E									12	ITALIAN LANGUAGE
HNG	TARNOK	7350.000	10	05	0000	0057	55.7	CRI	CHN	BC	11K4	A3E										
HNG	TARNOK	7350.000	10	05	1827	2027	56.8	CRI	CHN	BC	16K0E	A3E										
HNG	TARNOK	7350.000	10	05	2258	2400	62.2	CRI	CHN	BC	16K0E	A3E										
I	ROMA	7350.000	27	06	1830	1835	57.0	R CHINA INTERNATIONA	CHN	BC	15K5E	A3E									12	FRENCH LANGUAGE
J	TOKYO	7352.000	10	05	0525				RUS			F1B	132	E	03	43	N	09	322	A		
HNG	TARNOK	7355.000	10	05	0430	0530	55.6	NHK	J	BC	9K30	A3E										
J	TOKYO	7358.500	10	05	0456				RUS			F1B	131	E	55	43	N	20	322	A		
J	TOKYO	7360.000	02	05	0645				CHN	BC		D7W	124	E	04	47	N	06	318	B		
J	TOKYO	7360.000	10	05	0520				CHN	BC		D7W	124	E	46	47	N	06	319	A		
HNG	TARNOK	7360.000	10	05	1730	1825	49.3	TRT	TUR	BC	10K0E	A3E										
J	TOKYO	7360.000	12	05	1400			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7360.000	21	06	0654				CHN	BC		D7W	124	E	31	46	N	50	318	A		
HNG	TARNOK	7360.001	10	05	0230	0330	63.9	BBC	BUL	BC	10K3	A3E										
HNG	TARNOK	7360.001	10	05	1957	2300	35.4	VAT	CVA	BC	10K0E	A3E										
HNG	TARNOK	7360.004	10	05	0000	0158	49.6	TRT	TUR	BC	11K6	A3E										
I	ROMA	7361.000	16	06	0801	0833	5.0	RFF	RUS	FX	100HE	A1A							39	B		
HNG	TARNOK	7365.004	10	05	0000	0300	41.8	RADIO MARTI	USA	BC	9K80	A3E										
HNG	TARNOK	7365.004	10	05	1900	2100	35.4	VOA	THA	BC	10K0E	A3E										
HNG	TARNOK	7365.009	10	05	0600	1245	25.1			BC	10K8	A3E										RUSSIAN
HNG	TARNOK	7365.011	10	05	0300	0400	35.6			BC	11K8	A3E									3	
J	TOKYO	7367.900	09	06	0858				RUS				132	E	05	43	N	30	321	A		
HNG	TARNOK	7369.996	10	05	1300	1600	18.0	CNR 2	CHN	BC	10K0E	A3E										
HNG	TARNOK	7369.999	10	05	1628	1659	30.6	BBC	G	BC	10K0E	A3E										
HNG	TARNOK	7370.003	10	05	1720	1820	58.5			BC	10K0E	A3E										
HNG	TARNOK	7374.999	10	05	1655	1900	35.2			BC	8K00E	A3E										
HNG	TARNOK	7375.000	10	05	0400	0500	52.8	VOA	USA	BC	9K70	A3E										
HNG	TARNOK	7375.004	10	05	0000	0157	42.6	RRO	ROU	BC	9K64	A3E										
HNG	TARNOK	7384.913	10	05	0000	0157	37.3	PBS XIZANG	CHN	BC	11K4	A3E									3	
HNG	TARNOK	7385.000	10	05	1610	1800	36.5	CRI	CHN	BC	19K2E	A3E										
HNG	TARNOK	7385.000	10	05	1857	1957	63.5	CRI	CHN	BC	16K0E	A3E										
HNG	TARNOK	7388.000	10	05	0000	2400	30.5				3K00E	G1D										

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	7390.000	10	05	2000	2100	63.2	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	7394.999	10	05	1800	1957	65.5	CRI	CHN	BC	16K0E	A3E										
J	TOKYO	7395.000	01	04	1400			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7395.000	22	04	1400			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7397.000	21	04	2300		8.0	HSW64	THA	FX	1K50E	F1C										FAX 120 RPM METEO
INS	MSTM-MEDAN	7397.000	25	05	0340	0442	26.0	FT8		AT	3K00E	J3E									11	
J	TOKYO	7399.920	02	05	0650							A1A										
J	TOKYO	7399.970	02	05	0652							A1A										
J	TOKYO	7400.000	02	05	0652							A1A										
J	TOKYO	7430.000	12	05	0900			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7430.000	16	06	0900			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7433.500	10	05	0506			HLL2				F3C	128	E	29	35	N	59	276	A		
J	TOKYO	7433.500	26	05	0029			HLL2				F3C	128	E	46	35	N	55	275	A		
J	TOKYO	7433.510	19	04	1036				KOR				127	E	37	36	N	12	277	B		
J	TOKYO	7435.000	21	04	1100			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	7435.000	12	05	1100			CHINA R.I.	CHN	BC		A3E										
I	ROMA	7445.000	27	06	1800	1817	56.0	BBC WORLD SERVICE	G	BC	10K5E	A3E									12	ENG
J	TOKYO	7450.000	06	04	0209			XIZANG P.B.S		BC		A3E	091	E	03	29	N	32	275	A		
HNG	TARNOK	7455.600	12	05	0000	2400	37.9				3K00E	G1D										STANAG 4285
J	TOKYO	7456.000	09	06	0904				CHN			A1A	118	E	11	32	N	33	265	B		
J	TOKYO	7456.990	09	06	0906							F1B										
J	TOKYO	7460.010	19	04	1041			SOUND OF HOPE		BC		A3E	126	E	44	33	N	30	263	B	11	KOR
HNG	TARNOK	7470.000	12	05	0100	0110	39.3				20K0E	F0N										OTHR
HNG	TARNOK	7477.190	12	05	1700	2000	37.3				3K00E	G1D										STANAG4285
INS	MSTM-MEDAN	7484.000	24	05	0210	0220	7.0	Radio Communication	INS	FX	2K80E	J3E										
HNG	TARNOK	7484.964	12	05	1900	2100	50.1	VOA	PHL	BC	9K50	A3E									11	
J	TOKYO	7485.500	06	04	0214				KRE				125	E	42	39	N	03	292	B		
HNG	TARNOK	7489.929	12	05	0100	0500	28.6	WBCQ	USA	BC	11K1	A3E									11	
HNG	TARNOK	7495.000	12	05	0030	0230	52.8	VOA	D	BC	10K9	A3E									11	
HNG	TARNOK	7495.003	12	05	1600	2000	39.3	WBCQ	USA	BC	10K2	A3E									11	
HNG	TARNOK	7505.000	12	05	0100	0500	45.0	WRNO	USA	BC	10K3	A3E									11	
J	TOKYO	7508.000	06	04	0142				RUS			F1B	131	E	52	44	N	02	325	B		
J	TOKYO	7508.000	19	04	1003				RUS			F1B	131	E	15	43	N	25	321	A		
J	TOKYO	7508.600	02	05	0611				CHN			A1A	123	E	39	41	N	58	301	B		
J	TOKYO	7508.620	06	04	0141				CHN			A1A	122	E	48	41	N	28	298	B		
HNG	TARNOK	7508.800	12	05	0500	1000	24.5	P	RUS	FX	100HE	A1B										KALININGRAD
HNG	TARNOK	7508.800	12	05	1700	2400	39.5	P	RUS	FX	100HE	A1B										KALININGRAD
HNG	TARNOK	7513.300	12	05	0000	2400	44.5				3K00E	G1D										STANAG 4285
J	TOKYO	7514.000	09	06	0801				CHN			A1A	116	E	53	39	N	50	290	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	7515.000	12	04	2346				RUS			F1B	135	E	11	48	N	39	345	A		
HNG	TARNOK	7519.993	12	05	0000	0200	33.5	WWCR	USA	BC	10K8	A3E									11	
INS	MSTM-MEDAN	7520.000	24	05	0235	0245	9.0	Radio Communication	INS	FX	2K80E	J3E										
J	TOKYO	7521.000	10	05	0417				CHN				118	E	21	43	N	07	300	A		
J	TOKYO	7524.000	09	06	0814				CHN			A1A	117	E	43	32	N	21	267	B		
HNG	TARNOK	7524.999	12	05	1700	1800	67.8			BC	9K15	A3E									11	
J	TOKYO	7526.000	09	06	0810				CHN			A1A	121	E	46	39	N	31	290	B		
HNG	TARNOK	7531.101	12	05	2100	2130	43.1	VOM	UZB	BC	11K7	A3E									11	
HNG	TARNOK	7532.000	12	05	0000	0100	38.1				20K0E	F0N										OTHR
J	TOKYO	7532.400	09	06	0806				CHN			J2D	117	E	47	40	N	51	290	B		
INS	MSTM-MEDAN	7535.000	24	05	0245	0255	4.0	Radio Communication	INS	FX	2K80E	J3E										
HNG	TARNOK	7540.000	12	05	1600	1700	46.5	R.FREE ASIA	TJK	BC	11K3	A3E									11	
HNG	TARNOK	7540.004	12	05	1700	1900	55.6	VOA DEEWA	THA	BC	9K77	A3E									11	
INS	MSTM-MEDAN	7542.000	24	05	0255	0300	9.0	Radio Communication	INS	FX	2K80E	J3E										
HNG	TARNOK	7556.500	12	05	0000	0500	28.5				3K00E	G1D										STANAG 4285
J	TOKYO	7557.400	19	04	1021				CHN				119	E	41	27	N	45	252	A		
J	TOKYO	7561.000	09	06	0816				CHN			A1A	117	E	43	41	N	16	294	B		
INS	MSTM-MEDAN	7562.000	24	05	0315	0325	18.0	Radio Communication	INS	FX	2K80E	J3E										
HNG	TARNOK	7565.001	12	05	1600	1700	40.0	VOA	PHL	BC	10K9	A3E									11	
J	TOKYO	7565.400	09	06	0821				CHN			J2D	118	E	57	25	N	27	247	B		
HNG	TARNOK	7566.000	12	05	0345	0500	35.8	RKZ	RUS	FX	100HE	A1B										CW
HNG	TARNOK	7569.999	12	05	0000	0500	25.8	WRMI	USA	BC	11K4	A3E									11	
J	TOKYO	7570.000	09	06	0823					BC		A3E							45	C		
INS	MSTM-MEDAN	7571.000	24	05	0325	0400		Radio Communication	INS	FX	2K80E	J3E							260	A		
I	ROMA	7572.000	28	04	0739	0745	20.0		E	FX	2K70E	J3E										
J	TOKYO	7572.390	09	06	0826				CHN			J2D	120	E	11	28	N	27	253	B		
KOR	CRMS	7580.000	18	05	0745	0745	28.0		KRE	BC		A3E									11	
HNG	TARNOK	7581.200	12	05	0000	0500	33.2				3K00E	G1D										STANAG 4285
HNG	TARNOK	7581.200	12	05	1700	2400	38.9				3K00E	G1D										STANAG 4285
INS	MSTM-MEDAN	7589.000	24	05	0410	0420	18.0	Radio Communication	INS	FX	2K80E	J3E										
J	TOKYO	7597.000	02	05	0603				USA			F1B	114	E	53	39	N	13	50	B		
J	TOKYO	7597.000	09	06	0829				USA			F1B	114	W	57	39	N	15	50	B		
HNG	TARNOK	7599.909	12	05	0000	0400	39.9			BC	11K3	A3E									11	
HNG	TARNOK	7599.996	12	05	1900	2355	50.3	SOH XI WANG	CHN	BC	10K1	A3E									11	
HNG	TARNOK	7599.997	12	05	1600	2400	45.6	SOH XI WANG	CHN	BC	9K88	A3E									11	
HNG	TARNOK	7624.000	12	05	0200	1730	10.2				8K00E	G1D										LINK11
INS	MSTM-MEDAN	7631.000	24	05	0445	0520	17.0	Radio Communication		FX	3K00E	J3E										Chinese Language Conversation
J	TOKYO	7644.960	02	06	1005			SOUND OF HOPE		BC		A3E	121	E	06	24	N	29	241	B	11	TAIWAN
J	TOKYO	7644.980	25	05	2347			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	7645.000	19	04	1023			SOUND OF HOPE		BC		A3E	120	E	22	23	N	17	240	A	11	TAIWAN
INS	MSTM-MEDAN	7660.000	23	05	0120	0135	18.0	Radio Communication	INS	FX	2K80E	J3E										
J	TOKYO	7692.800	21	06	0607				CHN				118	E	10	39	N	16	254	A		
INS	MSTM-MEDAN	7710.000	23	05	0730	0735	5.0	Signal Tone		FX	500HE	N0N										
J	TOKYO	7713.000	09	06	0833				CHN			A1A	104	E	20	30	N	19	270	B		
J	TOKYO	7716.230	06	04	0146				CHN				120	E	38	27	N	53	251	B		
J	TOKYO	7725.500	21	06	0613				CHN				121	E	34	29	N	49	255	A		
KOR	CRMS	7730.000	02	05	0030	0030	12.1		CHN	BC		A3E									11	
J	TOKYO	7730.070	02	06	1008			SOUND OF HOPE		BC		A3E	120	E	49	24	N	13	241	B	11	TAIWAN
J	TOKYO	7730.080	19	04	1029			SOUND OF HOPE		BC		A3E	121	E	36	24	N	54	242	A	11	TAIWAN
J	TOKYO	7730.080	25	05	2350			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	7730.080	09	06	0837			SOUND OF HOPE		BC		A3E	120	E	35	23	N	41	240	B	11	TAIWAN
INS	MSTM-MEDAN	7740.000	23	05	0245	0255	1.0	Radio Communication	INS	FX	2K80E	J3E										
INS	MSTM-MEDAN	7780.000	23	05	0345	0400		Signal Tone		FX	500HE	N0N										
J	TOKYO	7810.040	12	04	2357			SOUND OF HOPE		BC		A3E	120	E	55	22	N	54	238	A	11	TAIWAN
J	TOKYO	7817.000	17	05	0136							A1A										
J	TOKYO	7854.000	25	05	2354				RUS				143	E	50	49	N	49	9	A		
HNG	TARNOK	7880.000	14	05	0514	2400	50.9	DDK3	D	FX	2K67	F1C										METEO FAX 120RPM
J	TOKYO	7890.120	09	06	0844				CHN			A1A	091	E	49	29	N	49	276	B		
HNG	TARNOK	7930.000	14	05	0456	0545	28.2				52K0E	F0N										OTHR
J	TOKYO	7943.000	25	05	2358				CHN				119	E	21	25	N	59	247	B		
HNG	TARNOK	7979.000	14	05	1956	2011	38.2				33K0E	F0N										OTHR
HNG	TARNOK	7985.000	14	05	1620	1634	33.0				28K0E	F0N										OTHR
J	TOKYO	7988.000	26	05	0003							A1A										
HNG	TARNOK	8006.000	14	05	1330	2000	19.4				400H	F1B										50BD 240HZ
HNG	TARNOK	8023.000	14	05	1634	1648	28.8				24K0E	F0N										OTHR
HNG	TARNOK	8032.000	14	05	2011	2054	35.1				28K0E	F0N										OTHR
HNG	TARNOK	8036.400	14	05	0428	1700	35.9				3K00	G1D										STANAG 4285
J	TOKYO	8053.990	09	06	0850				RUS			F1B	139	E	55	53	N	02	359	B		
J	TOKYO	8054.000	06	04	0153				RUS			F1B	140	E	17	51	N	15	359	B		
J	TOKYO	8054.000	02	05	0626				RUS			F1B	140	E	00	52	N	59	359	A		
J	TOKYO	8054.000	10	05	0432				RUS			F1B	140	E	20	49	N	41	0	A		
J	TOKYO	8054.000	17	05	0143				RUS			F1B	140	E	17	49	N	19	0	B		
J	TOKYO	8054.000	25	05	2206				RUS			F1B	140	E	08	49	N	31	0	A		
J	TOKYO	8054.000	02	06	1015				RUS			F1B	139	E	49	51	N	04	358	B		
J	TOKYO	8076.790	02	06	1020				CHN			F1B	119	E	08	26	N	20	248	B		
D	BERLIN	8092.100	10	05	0000	0630			I	FX	3K00E	J3E	013	E	44	43	N	07	178			A OF SAN BENEDETTO
D	BERLIN	8092.100	11	05	0000	0610			I	FX	3K00E	J3E	013	E	44	43	N	07	178			A OF SAN BENEDETTO
HNG	TARNOK	8093.650	14	05	0000	2400	31.8				2K80	G1D										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
D	KONSTANZ	8107.303	16	06	0900	1104			GRC	FX	2K65	F1C	022	E	02	37	N	44	133			
D	KONSTANZ	8107.303	17	06	0826	1146			GRC	FX	2K65	F1C	022	E	02	37	N	44	133			
D	KONSTANZ	8107.303	18	06	0830	1130			GRC	FX	2K65	F1C	022	E	02	37	N	44	133			
D	KONSTANZ	8110.000	17	06	0735	0855			RUS	FX	2K60E	J7D							60			
J	TOKYO	8112.350	02	06	1024				CHN			J2D	119	E	28	26	N	18	248	B		
D	KONSTANZ	8113.500	18	06	2000	2022			RUS	FX		A1A	019	E	50	54	N	34	40			A OF KALININGRAD
J	TOKYO	8117.000	13	04	0004				CHN			J3E	121	E	49	24	N	56	241	B		TAIWAN
J	TOKYO	8117.000	09	06	0855				CHN			J3E	121	E	27	24	N	44	241	B		
J	TOKYO	8122.990	09	06	0857							A1A										
J	TOKYO	8134.730	09	06	0902				RUS			F1B	132	E	27	43	N	07	323	A		
J	TOKYO	8134.740	21	06	0625				RUS			F1B	132	E	58	42	N	53	324	A		
D	KONSTANZ	8136.000	16	06	0000	2400				FX	300H	F1B	030	E	08	69	N	09	18			
D	KONSTANZ	8136.000	17	06	0000	2400				FX	300H	F1B	030	E	08	69	N	09	18			
D	KONSTANZ	8136.000	18	06	0000	2400				FX	300H	F1B	030	E	08	69	N	09	18			
D	KONSTANZ	8140.400	16	06	0000	2400			I	FX	2K60	G1D	012	E	08	43	N	27	153			
D	KONSTANZ	8140.400	17	06	0000	1920			I	FX	2K60	G1D	012	E	08	43	N	27	153			
J	TOKYO	8143.000	02	05	0630				KOR			J3E	127	E	05	37	N	39	284	A		
D	KONSTANZ	8153.468	19	06	0000	2400			NOR	FX	2K57	G1D							4			
D	KONSTANZ	8153.468	20	06	0000	2400			NOR	FX	2K57	G1D							4			
D	KONSTANZ	8153.468	21	06	0000	2400			NOR	FX	2K57	G1D							4			
J	TOKYO	8176.000	09	06	0906			VMC		FC		J3E	143	E	09	25	S	52	177	B		
J	TOKYO	8182.000	02	05	0632			9WFBV				A1A	123	E	17	42	N	02	301	B		
J	TOKYO	8182.000	10	05	0436				CHN			A1A	122	E	45	42	N	08	301	A		
J	TOKYO	8182.000	26	05	0010			9WFBV				A1A	123	E	37	41	N	57	298	B		
J	TOKYO	8182.000	02	06	1028			9WFBV				A1A	116	E	51	40	N	42	292	B		
J	TOKYO	8182.000	09	06	0910			9WFBV				A1A	124	E	16	41	N	54	307	B		
D	KONSTANZ	8182.000	19	06	1700	2050			RUS	FX	290H	F1B	019	E	37	54	N	29	39			A OF KALININGRAD
D	KONSTANZ	8182.000	20	06	2030	2400			RUS	FX	290H	F1B	019	E	37	54	N	29	39			A OF KALININGRAD
D	KONSTANZ	8182.000	21	06	0000	0456			RUS	FX	290H	F1B	019	E	37	54	N	29	39			A OF KALININGRAD
D	KONSTANZ	8182.000	21	06	1640	2400			RUS	FX	290H	F1B	019	E	37	54	N	29	39			A OF KALININGRAD
D	KONSTANZ	8190.990	19	06	1705	2005			RUS	FX	10K0E	A1A	020	E	51	54	N	37	44			A OF KALININGRAD
D	KONSTANZ	8194.980	20	06	0642	0929			RUS	FX	640H	F1B	049	E	59	53	N	42	62			
D	KONSTANZ	8194.980	21	06	0646	0940			RUS	FX	640H	F1B	049	E	59	53	N	42	62			
D	KONSTANZ	8203.420	22	06	1713	2400				BC	10K0E	A3E							160			
D	KONSTANZ	8203.420	23	06	0000	2400				BC	10K0E	A3E							160			
D	KONSTANZ	8203.420	24	06	0000	0630				BC	10K0E	A3E							160			
D	KONSTANZ	8203.420	24	06	1740	2400				BC	10K0E	A3E							160			
HNG	TARNOK	8203.576	16	05	0500	2400	32.5				800H	F1B										75 BAUD
HNG	TARNOK	8204.500	16	05	0000	0500	49.3				200H	F1B										75BD 100HZ

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8205.680	22	06	0000	2400				FX	2K63	G1D	021	E	16	40	N	52	124			
D	KONSTANZ	8205.680	23	06	0000	2400				FX	2K63	G1D	021	E	16	40	N	52	124			
D	KONSTANZ	8205.680	24	06	0000	2400				FX	2K63	G1D	021	E	16	40	N	52	124			
D	KONSTANZ	8212.773	23	06	1550	1638				MS	2K42	G1D	003	E	14	61	N	46	348			
D	KONSTANZ	8212.780	23	06	0011	0211				MS		G7D	002	E	11	60	N	53	344			
J	TOKYO	8218.000	17	05	0148			NF2A				A1A							303	C		
J	TOKYO	8232.400	09	06	0912				CHN			J2D	121	E	00	30	N	53	259	B		
D	KONSTANZ	8250.000	26	06	0055	0300			IRN	FX		P0N	052	E	35	30	N	16	102			A OF SCHIRAZ
D	KONSTANZ	8252.025	22	06	0000	2400				FX		AXX	040	E	58	36	N	56	102			
D	KONSTANZ	8252.025	23	06	1647	2400				FX		AXX	040	E	58	36	N	56	102			
D	KONSTANZ	8252.025	24	06	0000	0346				FX		AXX	040	E	58	36	N	56	102			
D	KONSTANZ	8260.000	25	06	1812	1907		29B6	RUS	FX		P0N	041	E	40	53	N	17	62			
D	KONSTANZ	8260.000	27	06	0425	0440		29B6	RUS	FX		P0N	041	E	40	53	N	17	62			
D	KONSTANZ	8260.100	25	06	0355	1040			I	FX	50H0E	N0N	011	E	16	43	N	14	161			
D	KONSTANZ	8260.100	26	06	0000	1730			I	FX	50H0E	N0N	011	E	16	43	N	14	161			
D	KONSTANZ	8261.000	25	06	0918	0948			KAZ	FX	50H0E	N0N	062	E	01	49	N	48	66			
HNG	TARNOK	8281.000	16	05	0000	0500	36.0				3K00E	G1D										STANAG 4285
D	KONSTANZ	8281.075	25	06	0033	2400			GRC	FX	2K71	GXD							132			
D	KONSTANZ	8281.075	26	06	0000	2400			GRC	FX	2K71	GXD							132			
D	KONSTANZ	8282.425	25	06	0000	0241			AUS	FX	100HE	A1A	121	E	07	35	S	10	102			
D	KONSTANZ	8301.820	01	04	0355	0737				MS	2K60	G1D							221			W AFRICA
D	KONSTANZ	8301.820	02	04	0400	0650				MS	2K60	G1D							221			W AFRICA
D	KONSTANZ	8301.820	03	04	0400	0630				MS	2K60	G1D							221			W AFRICA
J	TOKYO	8302.000	02	05	0635			XSG				F3C	121	E	32	31	N	49	262	B		
J	TOKYO	8302.000	10	05	0440			XSG		FC		F3C										
J	TOKYO	8302.000	17	05	0154				CHN			F3C	121	E	28	31	N	40	261	B		
J	TOKYO	8302.000	21	06	0630			XSG		FC		F3C	120	E	39	31	N	41	262	A		
J	TOKYO	8302.000	28	06	0425			XSG		FC		F3C	121	E	10	31	N	28	261	B		
D	KONSTANZ	8311.965	03	04	1045	1200			RUS	FX	2K69	J7D							41			A OF KALININGRAD
D	KONSTANZ	8315.980	04	04	0003	0030			KAZ		16K0E	Q3X							67			
J	TOKYO	8331.800	09	06	0917				INS			J2B	128	E	48	03	N	18	193	A		
D	KONSTANZ	8337.470	01	04	0000	2400			F	FX	2K47	G1D	000	W	49	43	N	49	246			
D	KONSTANZ	8337.470	02	04	0000	0757			F	FX	2K47	G1D	000	W	49	43	N	49	246			
D	KONSTANZ	8337.485	03	04	0700	1545			SUI	FX	2K60	G1D							312			
D	KONSTANZ	8337.500	02	04	0757	1345				MS	2K50	G1D							319			ENGLISH CHANNEL
D	KONSTANZ	8337.500	03	04	0000	2400				MS	2K50	G1D							319			ENGLISH CHANNEL
J	TOKYO	8341.000	09	06	0920																	
D	KONSTANZ	8344.000	03	04	0614	0650				MS	290H	F1B	003	W	16	54	N	16	333			CENTRAL N SEA
D	KONSTANZ	8344.000	03	04	1807	2111				MS	290H	F1B	003	W	16	54	N	16	333			CENTRAL N SEA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8412.900	09	04	1600	1618			RUS	FX	100HE	A1A							68			
D	KONSTANZ	8414.500	07	04	0000	2400				MS	310HE	F1B							101			IRN/IRQ
D	KONSTANZ	8414.500	08	04	0000	2400				MS	340H	F1B							101			IRN/IRQ
D	KONSTANZ	8414.500	09	04	0000	2400				MS	350HE	F1B							101			IRN/IRQ
J	TOKYO	8416.450	19	04	1100				RUS			F1B	132	E	51	42	N	53	323	A		
D	KONSTANZ	8416.500	07	04	1914	2141			RUS	FX	340H	F1B							55			A OF MOSCOW
D	KONSTANZ	8416.500	08	04	1915	2125			RUS	FX	340H	F1B							55			A OF MOSCOW
I	ROMA	8416.500	29	04	2300	2307	23.0	NORWEGIAN COASTAL RA	NOR	FC	270HE	F1B										SITOR MMSI 002570000
I	ROMA	8416.500	30	04	0140	0230	36.0	NMF	USA	FC	270HE	F1B										100B SITOR
I	ROMA	8416.500	30	04	1915	2119	32.0	UAT	RUS	FC	270HE	F1B										100B SITOR
I	ROMA	8416.500	01	05	2300	2308	23.0	NORWEGIAN COASTAL RA	NOR	FX	270HE	F1B										100B SITOR
D	KONSTANZ	8416.548	07	04	0300	0504				FX	120HE	F1B							274			CENTRAL AMERICA
D	KONSTANZ	8416.993	09	04	1707	1756			RUS		100HE	A1A							41			KALININGRAD
D	KONSTANZ	8424.000	07	04	0000	0734		SVO	GRC	FX	100HE	A1A							133			
D	KONSTANZ	8424.000	07	04	0804	2100		SVO	GRC	FX	100HE	A1A							133			
D	KONSTANZ	8424.000	07	04	2100	2400			GRC	FX	200H	F1B	021	E	03	38	N	23	135			
D	KONSTANZ	8424.000	08	04	0000	2400		SVO	GRC	FX	100HE	A1A							133			
D	KONSTANZ	8424.000	09	04	0015	0025			GRC	FX	200H	F1B	021	E	03	38	N	23	135			
D	KONSTANZ	8424.000	09	04	0139	0557		SVO	GRC	FX	100HE	A1A							133			
D	KONSTANZ	8424.000	09	04	0600	2142			GRC	FX	200H	F1B	021	E	03	38	N	23	135			
I	ROMA	8424.000	29	04	1356	1358	32.0	SVO	GRC	FC	270HE	F1B							119	A		SITOR
J	TOKYO	8425.000	28	06	0435			XSG		FC		F3C										
J	TOKYO	8425.500	06	04	0201			XSG		FC		F1B										
J	TOKYO	8425.500	13	04	0014			XSG		FC		F1B										
J	TOKYO	8425.500	19	04	1112			XSG		FC		F1B										
J	TOKYO	8425.500	02	05	0638			XSG		FC		F1B										
J	TOKYO	8425.500	10	05	0449			XSG		FC		F1B										
J	TOKYO	8425.500	17	05	0201			XSG		FC		F3C	121	E	28	31	N	40	261	B		
J	TOKYO	8425.500	26	05	0018			XSG		FC		F1B										
J	TOKYO	8425.500	02	06	1034			XSG		FC		F1B										
J	TOKYO	8425.500	09	06	0922			XSG		FC		F1B										
J	TOKYO	8425.500	21	06	0635			XSG		FC		F3C										
D	KONSTANZ	8430.997	07	04	0000	2400		TAH	TUR	FX	300H	D1B							106			A OF ISTANBUL
D	KONSTANZ	8430.997	08	04	0000	2400		TAH	TUR	FX	300H	D1B							106			A OF ISTANBUL
D	KONSTANZ	8430.997	09	04	0000	2400		TAH	TUR	FX	300H	D1B							106			A OF ISTANBUL
I	ROMA	8431.000	29	04	1358	1402	28.0	TAH	TUR	FC	220HE	F1B							87	A		BAUDOT 50BD
J	TOKYO	8431.000	02	06	1035			XSQ		FC		F1B										
J	TOKYO	8431.000	09	06	0923			XSQ		FC		F1B										
D	KONSTANZ	8432.980	07	04	1459	2400			RUS	FX	292H	F1B	087	E	55	55	N	59	49			A OF TOMSK

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8432.980	08	04	1430	2305			RUS	FX	292H	F1B	087	E	55	55	N	59	49			A OF TOMSK
D	KONSTANZ	8432.980	09	04	1451	2400			RUS	FX	292H	F1B	087	E	55	55	N	59	49			A OF TOMSK
J	TOKYO	8433.000	06	04	0202			XSG		FC		F1B										
J	TOKYO	8433.000	13	04	0015			XSG		FC		F1B										
J	TOKYO	8433.000	02	05	0641			XSG		FC		F1B										
J	TOKYO	8433.000	10	05	0452			XSG		FC		F1B										
J	TOKYO	8433.000	26	05	0019			XSG		FC		F1B										
J	TOKYO	8433.000	02	06	1036			XSG		FC		F1B										
J	TOKYO	8433.000	09	06	0924			XSG		FC		F1B										
J	TOKYO	8433.000	21	06	0636			XSG		FC		F3C										
D	KONSTANZ	8434.990	07	04	1456	2400			CHN	FX	268H	F1B							65			
D	KONSTANZ	8434.990	08	04	1406	2400			CHN	FX	268H	F1B							65			
D	KONSTANZ	8434.990	09	04	1535	2400			CHN	FX	268H	F1B							65			
J	TOKYO	8435.000	06	04	0204			XSQ		FC		F1B										
J	TOKYO	8435.000	13	04	0016			XSQ		FC		F1B										
J	TOKYO	8435.000	02	05	0642			XSQ		FC		F1B										
J	TOKYO	8435.000	26	05	0020			XSQ		FC		F1B										
J	TOKYO	8435.000	02	06	1037			XSQ		FC		F1B										
J	TOKYO	8435.000	09	06	0925			XSQ		FC		F1B										
J	TOKYO	8435.000	21	06	0638			XSQ		FC		F3C										
D	KONSTANZ	8435.970	07	04	1801	2000			RUS	FX	266H	F1B							18			W OF MURMANSK
D	KONSTANZ	8435.970	08	04	1756	2000			RUS	FX	266H	F1B							18			W OF MURMANSK
D	KONSTANZ	8435.970	09	04	1800	1956			RUS	FX	266H	F1B							18			W OF MURMANSK
D	KONSTANZ	8438.996	07	04	0634	2400			HOL	FX	1K08	F1B							321			
D	KONSTANZ	8438.996	08	04	0000	2005			HOL	FX	1K08	F1B							321			
D	KONSTANZ	8438.996	09	04	0547	2400			HOL	FX	1K08	F1B							321			
J	TOKYO	8441.250	02	06	1039				RUS			J2D	131	E	36	43	N	09	320	B		
D	KONSTANZ	8455.343	10	04	0000	2215					2K60E	G1D							205			
D	KONSTANZ	8455.343	11	04	0903	1140					2K60E	G1D							205			
J	TOKYO	8457.000	09	06	0927				CHN			A1A	113	E	41	24	N	29	251	B		
J	TOKYO	8458.000	09	06	0928							A1A										
J	TOKYO	8459.000	02	06	1043							F3C										
D	KONSTANZ	8459.939	10	04	0855	1900					2K48	G1D							308			BEL/F
D	KONSTANZ	8459.939	11	04	0831	2025					2K48	G1D							308			BEL/F
D	KONSTANZ	8459.939	12	04	0745	1940					2K48	G1D							308			BEL/F
D	KONSTANZ	8464.940	11	04	0456	2340			E	FX	2K60	G1D							237			A OF MADRID
D	KONSTANZ	8464.940	12	04	0509	1213			E	FX	2K60	G1D							237			A OF MADRID
D	KONSTANZ	8464.940	12	04	1645	2400			E	FX	2K60	G1D							237			A OF MADRID
D	KONSTANZ	8464.946	10	04	0000	2400				FX	2K60E	G1D							249			F/POR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8464.946	11	04	0000	0456				FX	2K60E	G1D							249			F/POR
J	TOKYO	8465.000	09	06	0931				CHN			A1A	115	E	34	28	N	44	259	B		
D	KONSTANZ	8471.000	11	04	1735	1855			RUS	FX	2K60E	G1D							61			E OF SAMARA
D	KONSTANZ	8477.260	10	04	1545	2400				MS	2K90	G1D							137			RED SEA
D	KONSTANZ	8477.260	11	04	1540	2400				MS	2K90	G1D							137			RED SEA
D	KONSTANZ	8477.260	12	04	0000	0334				MS	2K90	G1D							137			RED SEA
D	KONSTANZ	8477.260	12	04	1541	2400				MS	2K90	G1D							137			RED SEA
D	KONSTANZ	8480.300	10	04	0000	0835				FX	2K60E	G1D							270			
D	KONSTANZ	8480.300	11	04	0000	0844				FX	2K60E	G1D							270			
D	KONSTANZ	8480.300	11	04	2017	2400				FX	2K60E	G1D							270			
D	KONSTANZ	8480.300	11	04	2025	2400				FX	2K60E	G1D							270			
D	KONSTANZ	8480.300	12	04	0000	0820				FX	2K60E	G1D							270			
D	KONSTANZ	8480.300	12	04	2057	2400				FX	2K60E	G1D							270			
D	KONSTANZ	8481.775	11	04	1720	2240			CHN		380HE	F1B							76			
D	KONSTANZ	8486.200	10	04	0000	1046				MS	2K67	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8486.200	10	04	1410	2400				MS	2K67	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8486.200	11	04	0000	2400				MS	2K67	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8486.200	12	04	0000	1006				MS	2K67	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8486.200	12	04	1537	2400				MS	2K67	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8488.000	11	04	2100	2400			RUS		290HE	F1B							16			W OF MURMANSK
D	KONSTANZ	8488.000	12	04	0000	0500			RUS		290HE	F1B							16			W OF MURMANSK
D	KONSTANZ	8489.700	10	04	0000	1046				MS	2K47	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8489.700	10	04	1415	2400				MS	2K47	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8489.700	11	04	0000	2400				MS	2K47	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8489.700	12	04	0000	0957				MS	2K47	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8489.700	12	04	1538	2400				MS	2K47	G1D							262			ATLANTIC OCEAN
D	KONSTANZ	8494.000	10	04	0000	2400			E	FX	2K79	G1D							235			A OF EL CASAR
D	KONSTANZ	8494.000	11	04	0000	2130			E	FX	2K79	G1D							235			A OF EL CASAR
D	KONSTANZ	8494.000	12	04	0743	2400			E	FX	2K79	G1D							235			A OF EL CASAR
I	ROMA	8494.800	05	05	0932	0934	15.0	P	RUS	RN	100HE	A1A							18	A		
D	KONSTANZ	8494.801	10	04	0900	1657			RUS		100HE	A1A							40			A OF KALININGRAD
D	KONSTANZ	8495.000	10	04	0000	0528			RUS	FX	100HE	A1A							52			A OF MOSCOW
D	KONSTANZ	8495.000	12	04	0000	0144			RUS	FX	100HE	A1A							52			A OF MOSCOW
J	TOKYO	8495.000	13	04	0020			F				A1A	132	E	58	43	N	11		B		
D	KONSTANZ	8495.097	10	04	0000	0308			RUS	FX	100HE	A1A							70			
D	KONSTANZ	8495.097	12	04	0000	0334			RUS	FX	100HE	A1A							70			
J	TOKYO	8495.200	06	04	0205			F				A1A	132	E	25	42	N	59	322	B		
J	TOKYO	8495.200	02	05	0643			F				A1A	132	E	49	43	N	03	324	B		
J	TOKYO	8495.200	09	06	0933			F				A1A	132	E	24	43	N	07	323	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	8495.200	28	06	0437			F				A1A							322	C		
J	TOKYO	8495.300	26	05	0022			K				A1A	158	E	14	53	N	02	30	A		
J	TOKYO	8495.300	09	06	0934			K				A1A	158	E	46	54	N	31	28	B		
J	TOKYO	8495.400	06	04	0206			M				A1A	139	E	48	50	N	58	358	B		
J	TOKYO	8495.400	02	05	0644			M				A1A	139	E	06	53	N	41	357	B		
J	TOKYO	8495.400	26	05	0023			M				A1A							359	B		
D	KONSTANZ	8497.780	10	04	0356	2100			RUS		100HE	A1A							38			A OF ST. PETERSBURG
D	KONSTANZ	8497.780	11	04	0349	2400			RUS		100HE	A1A							38			A OF ST. PETERSBURG
D	KONSTANZ	8497.780	12	04	0000	2400			RUS		100HE	A1A							38			A OF ST. PETERSBURG
I	ROMA	8497.800	05	05	0927	0928	5.0	L	RUS	RN	100HE	A1A							22	A		
I	ROMA	8502.000	09	05	0330	0424	20.0	NMG	USA	FC	2K70E	J3E										SEA METEO
I	ROMA	8502.000	09	05	0512	0531		NMG	USA	FC	2K70E	J3E										SEA METEO
I	ROMA	8503.900	08	05	0002	0320	21.0	NMG	USA	FC	1K50E	F1C										FAX 120 RPM METEO
I	ROMA	8503.900	09	05	0002	0320	23.0	NMG	USA	FC	1K50E	F1C										FAX 120 RPM METEO
D	KONSTANZ	8504.290	13	04	0000	0857			CAN	FX	50H0E	N0N							296			A OF NEW FOUNDLAND
D	KONSTANZ	8507.500	13	04	0000	2400			G	FX	2K55	G1D	001	W	16	54	N	30	320			
D	KONSTANZ	8507.500	14	04	0000	0845			G	FX	2K55	G1D	001	W	16	54	N	30	320			
D	KONSTANZ	8507.500	15	04	0705	0933			G	FX	2K55	G1D	001	W	16	54	N	30	320			
D	KONSTANZ	8507.500	15	04	1225	2030			HOL	FX	2K44	G1D							320			A OF GOEREE
D	KONSTANZ	8518.800	13	04	0558	1655			F		1K01	F1B	002	E	32	44	N	13	235			
D	KONSTANZ	8518.800	14	04	0555	1758			F		1K01	F1B	002	E	32	44	N	13	235			
D	KONSTANZ	8518.800	15	04	0557	1758			F		1K01	F1B	002	E	32	44	N	13	235			
D	KONSTANZ	8526.000	13	04	0000	2400					2K40	G1D							329			
D	KONSTANZ	8526.000	14	04	0000	2400					2K40	G1D							329			
D	KONSTANZ	8526.000	15	04	0705	1553			HOL	FX	2K56	G1D	004	E	04	51	N	07	324			
J	TOKYO	8530.000	28	06	0540				RUS			A1A	129	E	57	43	N	11	316	B		
D	KONSTANZ	8532.780	13	04	1555	2400			RUS	FX	2K60E	J7D							46			
D	KONSTANZ	8532.780	14	04	0000	0110			RUS	FX	2K60E	J7D							46			
D	KONSTANZ	8535.000	13	04	0750	1555			RUS	FX	290H	F1B							44			KALININGRAD
D	KONSTANZ	8535.000	14	04	0755	1556			RUS	FX	290H	F1B							44			KALININGRAD
D	KONSTANZ	8535.000	15	04	0758	1555			RUS	FX	290H	F1B							44			KALININGRAD
D	KONSTANZ	8537.995	15	04	1520	2140			RUS	FX	1K07	F1B							46			
J	TOKYO	8538.000	06	04	0208				USA			F1B	144	E	53	13	N	32	168	B		GUM
J	TOKYO	8538.000	26	05	0025							F1B							169	B		
J	TOKYO	8538.000	02	06	1049				USA			F1B	144	E	40	13	N	31	169	B		GUM
J	TOKYO	8538.000	09	06	0937				USA			F1B	144	E	39	13	N	18	169	B		GUM
J	TOKYO	8538.000	28	06	0445				USA			F1B	144	E	46	13	N	29	168	B		GUM
D	KONSTANZ	8541.980	13	04	1840	2400				MS	2K70E	G1D							296			N ATLANTIC
D	KONSTANZ	8541.980	14	04	0000	0708				MS	2K70E	G1D							296			N ATLANTIC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8541.980	15	04	2020	2400				MS	2K70E	G1D							296			N ATLANTIC
D	KONSTANZ	8541.993	13	04	0611	0643			CAN	FX	2K55	G1D	062	W	00	45	N	57	296			
D	KONSTANZ	8541.993	14	04	0000	0708			CAN	FX	2K55	G1D	062	W	00	45	N	57	296			
D	KONSTANZ	8541.993	14	04	0000	2400			CAN	FX	2K55	G1D	062	W	00	45	N	57	296			
J	TOKYO	8548.000	09	06	1040				CHN			A1A	119	E	18	26	N	07	248	B		
D	KONSTANZ	8549.750	13	04	0000	0832			SOM		2K70E	G1D	047	E	48	09	N	06	127			
D	KONSTANZ	8549.800	16	04	0000	0445				FX	2K54	G1D	037	E	21	23	N	20	129			
D	KONSTANZ	8549.800	16	04	1546	2400				FX	2K54	G1D	037	E	21	23	N	20	129			
D	KONSTANZ	8549.800	17	04	0000	0328				FX	2K54	G1D	037	E	21	23	N	20	129			
D	KONSTANZ	8549.800	17	04	1539	2400				FX	2K54	G1D	037	E	21	23	N	20	129			
D	KONSTANZ	8549.800	18	04	0000	0455				FX	2K54	G1D	037	E	21	23	N	20	129			
D	KONSTANZ	8549.800	18	04	1445	2400				FX	2K54	G1D	037	E	21	23	N	20	129			
D	KONSTANZ	8549.817	13	04	1522	2400				MS	2K56	G1D							129			SHIP IN RED SEA
D	KONSTANZ	8549.817	14	04	0000	0443				MS	2K56	G1D							129			SHIP IN RED SEA
D	KONSTANZ	8549.817	15	04	1550	2400				MS	2K56	G1D							129			SHIP IN RED SEA
D	KONSTANZ	8549.990	14	04	1427	2334				MS	1K25	F1B							132			RED SEA
D	KONSTANZ	8549.995	15	04	1503	2400				FX	1K07	F1B							117			UKR/MDA
D	KONSTANZ	8554.400	13	04	0000	0800				MS	2K70E	G1D	060	W	11	18	N	57	268			CARRIBBEAN SEA
D	KONSTANZ	8554.410	16	04	0000	0902				FX	2K44	G1D							267			
D	KONSTANZ	8554.410	16	04	2030	2400				FX	2K44	G1D							267			
D	KONSTANZ	8554.410	17	04	0000	0834				FX	2K44	G1D							267			
D	KONSTANZ	8554.410	18	04	0000	2400				FX	2K44	G1D							267			
D	KONSTANZ	8554.410	19	04	2029	2400				FX	2K44	G1D							267			
D	KONSTANZ	8563.765	17	04	0415	0748				FX	2K50	G1D	033	E	07	33	N	06	120			
D	KONSTANZ	8563.765	18	04	0445	0952				FX	2K50	G1D	033	E	07	33	N	06	120			
D	KONSTANZ	8566.793	16	04	1758	1940			F	FX	1K12	F1B	002	E	37	44	N	18	235			
D	KONSTANZ	8566.793	17	04	1758	2157			F	FX	1K12	F1B	002	E	37	44	N	18	235			
D	KONSTANZ	8566.793	18	04	1756	2400			F	FX	1K12	F1B	002	E	37	44	N	18	235			
D	KONSTANZ	8566.795	16	04	0000	0554			F	FX	1K10E	F1B	002	E	40	44	N	38	240			
D	KONSTANZ	8566.795	16	04	1930	2400			F	FX	1K10E	F1B	002	E	40	44	N	38	240			
D	KONSTANZ	8566.795	17	04	0000	0556			F	FX	1K10E	F1B	002	E	40	44	N	38	240			
D	KONSTANZ	8566.795	18	04	0000	0554			F	FX	1K10E	F1B	002	E	40	44	N	38	240			
D	KONSTANZ	8569.820	16	04	0000	0400				FX	2K56	G1D	037	E	41	21	N	41	129			
D	KONSTANZ	8569.820	16	04	1706	2400				FX	2K56	G1D	037	E	41	21	N	41	129			
D	KONSTANZ	8569.820	17	04	0000	0315				FX	2K56	G1D	037	E	41	21	N	41	129			
D	KONSTANZ	8569.820	17	04	1715	2400				FX	2K56	G1D	037	E	41	21	N	41	129			
D	KONSTANZ	8569.820	18	04	0000	0450				FX	2K56	G1D	037	E	41	21	N	41	129			
D	KONSTANZ	8569.820	18	04	1556	2400				FX	2K56	G1D	037	E	41	21	N	41	129			
D	KONSTANZ	8575.410	16	04	0010	0328				FX	2K49	G1D	043	E	37	05	N	27	137			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8575.410	16	04	1540	2400				FX	2K49	G1D	043	E	37	05	N	27	137			
D	KONSTANZ	8575.410	17	04	0000	0323				FX	2K49	G1D	043	E	37	05	N	27	137			
D	KONSTANZ	8575.410	17	04	1546	2400				FX	2K49	G1D	043	E	37	05	N	27	137			
D	KONSTANZ	8575.410	18	04	0000	0337				FX	2K49	G1D	043	E	37	05	N	27	137			
D	KONSTANZ	8575.410	18	04	1540	2400				FX	2K49	G1D	043	E	37	05	N	27	137			
D	KONSTANZ	8582.000	17	04	0000	0057				FX	310HE	F1B							227			
D	KONSTANZ	8582.000	17	04	0230	0443				FX	310HE	F1B							227			
D	KONSTANZ	8582.000	17	04	2135	2400				FX	310HE	F1B							227			
D	KONSTANZ	8582.000	18	04	2000	2310				FX	310HE	F1B							227			
D	KONSTANZ	8589.319	16	04	1541	2105			RUS	FX	460HE	F1B	057	E	17	66	N	38	35			
D	KONSTANZ	8589.319	17	04	1523	2137			RUS	FX	460HE	F1B	057	E	17	66	N	38	35			
D	KONSTANZ	8589.319	18	04	1456	2304			RUS	FX	460HE	F1B	057	E	17	66	N	38	35			
D	KONSTANZ	8595.000	17	04	0105	0220			ARS	FX	19K8	P0N	043	E	27	21	N	42	122			
D	KONSTANZ	8601.600	20	04	1818	1841					2K60E	G1D							127			RED SEA
HNG	TARNOK	8610.000	18	05	0520	0530	21.9				2K40E	J3E										USB
HNG	TARNOK	8613.500	18	05	0525	0600	10.1				3K00E	G1D										STANAG 4285
D	KONSTANZ	8614.000	19	04	0530	2158				MS	2K55	G1D							340			N SEA
D	KONSTANZ	8614.000	20	04	0508	2226				MS	2K55	G1D							340			N SEA
D	KONSTANZ	8614.000	21	04	0000	0137				MS	2K55	G1D							340			N SEA
D	KONSTANZ	8614.000	21	04	0425	2400				MS	2K55	G1D							340			N SEA
HNG	TARNOK	8614.100	18	05	1640	2400	17.8				3K00E	G1D										STANAG 4285
J	TOKYO	8617.000	13	04	0027				RUS			F1B	132	E	58	43	N	02		B		
J	TOKYO	8617.000	02	05	0649				RUS			F1B	132	E	34	43	N	02	323	A		
J	TOKYO	8617.010	06	04	0211				RUS			F1B	133	E	02	43	N	03	325	B		
D	KONSTANZ	8620.000	20	04	0503	0634			NOR	FX	2K53E	G1D							349			A OF STAVANGER
D	KONSTANZ	8620.000	21	04	1558	2223			NOR	FX	2K53E	G1D							349			A OF STAVANGER
D	KONSTANZ	8624.000	20	04	1210	1320			RUS		320HE	F1B							55			A OF MOSCOW
J	TOKYO	8626.800	02	05	0652				F			J2B	150	E	45	18	S	20	117	A		OCE
J	TOKYO	8626.800	09	06	0942				F			J2B	149	E	36	17	S	00	115	A		OCE
J	TOKYO	8628.000	17	05	0205							A1A							323	D		
D	KONSTANZ	8634.400	19	04	0000	2400				FX	2K60E	G1D							193			
D	KONSTANZ	8634.400	20	04	0000	2400				FX	2K60E	G1D							193			
D	KONSTANZ	8634.400	21	04	0000	2019				FX	2K60E	G1D							193			
HNG	TARNOK	8634.500	18	05	0510	2400	31.7				3K00E	G1D										STANAG 4285
J	TOKYO	8647.800	02	05	0657							J2B							157	A		
J	TOKYO	8647.800	09	06	0945				F			J2B	164	E	30	20	S	42	154	B		OCE
D	KONSTANZ	8647.900	20	04	1623	1900			RUS		2K60E	G1D							45			
D	KONSTANZ	8647.900	21	04	1644	1903			RUS		2K60E	G1D							45			
D	KONSTANZ	8653.995	22	04	1452	2148			RUS	FX		F1B							44			A OF NAHKODKA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8653.995	23	04	1246	2133			RUS	FX		F1B							44			A OF NAHKODKA
D	KONSTANZ	8653.995	24	04	1357	1713			RUS	FX		F1B							44			A OF NAHKODKA
J	TOKYO	8654.000	06	04	0213				USA			F1B	144	E	53	13	N	32	168	B		GUM
J	TOKYO	8654.000	02	05	0705				USA			F1B	144	E	39	13	N	16	169	A		GUM
J	TOKYO	8654.000	26	05	0030				USA			F1B	144	E	43	13	N	24	169	B		GUM
J	TOKYO	8654.000	09	06	0948				USA			F1B	144	E	52	13	N	33	168	B		GUM
J	TOKYO	8665.000	06	04	0214			XSG		FC		F1B	121	E	10	31	N	27	261	B		
D	KONSTANZ	8665.000	24	04	0800	1107			HOL	BC	10K0E	A3E							342			A OF ENSCHEDE
J	TOKYO	8671.000	26	05	0032			GFH2				A1A	115	E	44	38	N	57	285	B		
D	KONSTANZ	8672.995	23	04	1800	2001			RUS	FX	280H	F1B							53			
D	KONSTANZ	8672.995	24	04	0603	0800			RUS	FX	280H	F1B							53			
HNG	TARNOK	8673.000	18	05	0710	1000	13.3				500H	F1B										CIS 36-50
D	KONSTANZ	8676.000	22	04	0254	0753				MS	1K20	F1B							301			W OF IFELAND
D	KONSTANZ	8676.000	24	04	0310	0811				MS	1K20	F1B							301			W OF IFELAND
J	TOKYO	8676.000	02	05	0708				USA			F1B	155	W	32	19	N	51	87	A		HWA
J	TOKYO	8676.000	02	06	1054				USA			F1B	157	W	59	21	N	22	87	B		HWA
J	TOKYO	8676.000	09	06	0951				USA			F1B	159	W	39	22	N	01	87	B		HWA
J	TOKYO	8676.000	21	06	0642				USA			F1B	158	W	05	21	N	30	90	A		HWA
D	KONSTANZ	8678.200	22	04	1541	2121			LTU	FX	2K60E	G1D							59			
D	KONSTANZ	8678.250	23	04	1654	2112				MS	2K60E	G1D	135	E	48	18	N	38	51			
D	KONSTANZ	8678.250	24	04	1517	2140				MS	2K60E	G1D	135	E	48	18	N	38	51			
D	KONSTANZ	8678.290	22	04	0339	0750				MS	2K60E	G1D							240			W OF SINES
D	KONSTANZ	8678.290	23	04	0248	0723				MS	2K60E	G1D							240			W OF SINES
D	KONSTANZ	8678.290	24	04	0305	0725				MS	2K60E	G1D							240			W OF SINES
J	TOKYO	8681.990	02	05	0710			NMC				F3C	123	W	12	39	N	50	53	A		
J	TOKYO	8681.990	09	06	0953			NMC				F3C	112	W	56	34	N	40	52	B		
J	TOKYO	8694.000	02	05	0712				USA			F1B	122	E	45	41	N	18	51	B		
J	TOKYO	8694.000	02	06	1058				USA			F1B	122	W	03	37	N	31	55	B		
J	TOKYO	8694.000	09	06	0955				USA			F1B	120	W	02	39	N	01	52	B		
D	KONSTANZ	8694.005	22	04	0000	0852			CAN	FX	1K00E	F1B							324			
D	KONSTANZ	8694.005	23	04	0023	0824			CAN	FX	1K00E	F1B							324			
D	KONSTANZ	8694.005	24	04	0012	0816			CAN	FX	1K00E	F1B							324			
HNG	TARNOK	8699.100	18	05	1930	2400	23.4				3K00E	G1D										STANAG 4285
D	KONSTANZ	8699.500	22	04	0000	2400			NOR		2K60E	G1D							85			A OF OSLO
D	KONSTANZ	8699.500	23	04	0000	0913			NOR		2K60E	G1D							85			A OF OSLO
D	KONSTANZ	8700.997	25	04	0000	2153			POR	FX	6K26	G7D							238			A OF LISBON
D	KONSTANZ	8700.997	27	04	0821	2400			POR	FX	6K26	G7D							238			A OF LISBON
HNG	TARNOK	8702.700	18	05	1930	2400	23.8				3K00E	G1D										STANAG 4285
D	KONSTANZ	8703.000	23	04	0000	0926			POR	FX	2K60E	G1D	007	W	50	40	N	14	240			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8703.000	23	04	1523	2400			POR	FX	2K60E	G1D	007	W	50	40	N	14	240			
D	KONSTANZ	8703.000	24	04	0000	0908			POR	FX	2K60E	G1D	007	W	50	40	N	14	240			
D	KONSTANZ	8703.000	24	04	1337	2400			POR	FX	2K60E	G1D	007	W	50	40	N	14	240			
J	TOKYO	8713.350	10	06	0813				CHN			J2D	119	E	12	35	N	41	276	B		
D	KONSTANZ	8733.000	26	04	1347	1359			RUS	FX	12K0	P0N							60			SW OF MOSCOW
D	KONSTANZ	8737.000	25	04	1312	1407				FX	100HE	A1A							41			
D	KONSTANZ	8737.000	26	04	1342	1405				FX	100HE	A1A							41			
D	KONSTANZ	8737.000	26	04	1600	1645				FX	100HE	A1A							41			
HNG	TARNOK	8739.000	18	05	0532	0613	19.9				30K0E	F0N										OTHR
HNG	TARNOK	8743.000	18	05	1630	1700	21.4	BANGKOK METEO	THA	FC	2K40E	J3E										USB
HNG	TARNOK	8743.000	18	05	2104	2200	22.2	BANGKOK METEO	THA	FC	2K40E	J3E										USB
HNG	TARNOK	8752.000	18	05	0528	0535	15.5				2K40E	J3E										USB
J	TOKYO	8757.260	02	06	1103				CHN			F1B	118	W	21	34	N	16	272	B		
I	ROMA	8764.000	05	05	2315	2326	21.0	NMN	USA	FX	3K10E	J3E										USCG FORECAST
D	KONSTANZ	8765.500	03	05	0329	0632			USA	FX	3K00E	J3E	082	W	07	34	N	50	296			
D	KONSTANZ	8772.000	01	05	0000	1047				BC	10K0E	A3E							93			
D	KONSTANZ	8772.000	01	05	1345	2400				BC	10K0E	A3E	043	E	16	40	N	21	93			
D	KONSTANZ	8772.000	02	05	0000	0838				BC	10K0E	A3E	043	E	16	40	N	21	93			
D	KONSTANZ	8772.000	02	05	1340	2400				BC	10K0E	A3E	043	E	16	40	N	21	93			
D	KONSTANZ	8772.000	03	05	0000	0746				BC	10K0E	A3E	043	E	16	40	N	21	93			
D	KONSTANZ	8773.950	01	05	0000	0314				FX	2K60E	J7D							93			
D	KONSTANZ	8773.950	01	05	1430	2400				FX	2K60E	J7D	035	E	16	43	N	24	93			
D	KONSTANZ	8773.950	02	05	0000	0311				FX	2K60E	J7D	035	E	16	43	N	24	93			
HNG	TARNOK	8776.000	18	05	1150	1226	33.3				2K40E	J3E										USB
HNG	TARNOK	8777.700	18	05	0616	0755	15.6				2K40E	J3E										USB
I	ROMA	8780.000	17	05	2104		30.0		ISR	FX	3K00E	J2D							112	A		MIL 188-110
I	ROMA	8782.000	17	05	2214	2220	23.0	XSQ	CHN	FC	2K70E	J3E										
I	ROMA	8784.000	18	05	0546		14.0	RFF	RUS	FX	100HE	A1A										
D	KONSTANZ	8787.000	03	05	0944	2400			RUS	FX	350H	F1B	020	E	05	54	N	40	40			A OF KALININGRAD
I	ROMA	8787.000	17	05	1451	1455	20.0	1EB41EB12A5	RUS	FX	250HE	F1B							18	A		50 BD
HNG	TARNOK	8787.000	18	05	0530	2400	23.6				500H	F1B										50BD 250HZ
D	KONSTANZ	8796.170	05	05	1659	1811			RUS	FX	14K1	P0N	040	E	03	54	N	52	58			A OF MOAKVA
J	TOKYO	8798.390	10	06	0824				CHN			J2D	119	E	02	25	N	53	248	B		
D	KONSTANZ	8805.950	04	05	0918	2400			RUS	FX	2K60E	J7D	020	E	26	54	N	46	41			A OF KALININGRAD
D	KONSTANZ	8805.950	05	05	0000	0100			RUS	FX	2K60E	J7D	020	E	26	54	N	46	41			A OF KALININGRAD
D	KONSTANZ	8805.950	05	05	0250	1156			RUS	FX	2K60E	J7D	020	E	26	54	N	46	41			A OF KALININGRAD
D	KONSTANZ	8808.000	05	05	1350	2400			RUS	FX	2K70E	J7D							57			A OF MOSKVA
D	KONSTANZ	8808.000	06	05	0000	0428			RUS	FX	2K70E	J7D	038	E	48	55	N	06	57			A OF MOSKVA
D	KONSTANZ	8813.500	04	05	1800	1908			TUR	FX	3K00E	J3E	028	E	10	41	N	24	108			A OF ISTANBUL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8813.500	05	05	1000	1052			TUR	FX	3K00E	J3E	028	E	10	41	N	24	108			A OF ISTANBUL
D	KONSTANZ	8817.000	07	05	0001	2350				FX	20K0	P0N							61			
INS	MSPA-SAMARINDA	8828.000	18	05	0111	0114	46.2	VRK HONGKONG VOLMET	CHN	FD	2K70E	J3E										
INS	MSKH-KUPANG	8834.000	28	04	0145	0150	9.0	BANDARA AMBON	INS	FA	2K80E	J3E										BANDARA PATIMURA (AMBON)
INS	MSKH-KUPANG	8834.000	14	06	0300	0305	9.0	JAYAPURA INFO	INS	FA	2K80E	J3E										
INS	MSKH-KUPANG	8834.000	14	06	0545	0548	30.0	JAYAPURA INFO,BANDARA PATI MURA AMBON	INS	FA	2K80E	J3E										
INS	MSKH-KUPANG	8834.000	23	06	0240	0244	3.5	WINGS AIR, JAYAPURA INFO	INS	FA	2K80E	J3E										PENERBANGAN
INS	MSPA-SAMARINDA	8849.000	17	05	0015	0017	48.4	BEIJING VOLMET	CHN	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	8849.000	18	05	0117	0122	47.5	BEIJING VOLMET	CHN	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	8849.000	31	05	0215	0218	48.8	BSQ BEIJING VOLMET	CHN	FD	2K70E	J3E										
J	TOKYO	8849.000	10	06	0827			BEIJING				J3E	116	E	13	39	N	42	289	B		
INS	MSPA-SAMARINDA	8882.000	17	05	0022	0025	49.5	BALI INFO	INS	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	8882.000	18	05	0127	0130	49.9	BALI INFO	INS	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	8882.000	31	05	0221	0225	49.8	BALI INFO	INS	FD	2K70E	J3E										
D	BERLIN	8889.500	10	05	1515	2400			RUS	FX	3K00E	J3E	039	E	27	58	N	54	56			
D	KONSTANZ	8892.500	07	05	0000	2400			CAN	FX	3K00E	J3E							321			
D	BERLIN	8892.500	10	05	1519	2400			NOR	FX	3K00E	J3E	011	E	33	63	N	23	356			
J	TOKYO	8900.000	10	05	0456				KRE				125	E	08	40	N	06	295	A		
J	TOKYO	8903.000	10	06	0832			MANILA		FA		J3E										
D	KONSTANZ	8911.240	11	05	0605	1602			RUS	FX	100HE	A1A	035	E	25	56	N	08	51			
J	TOKYO	8927.000	02	05	0719			GUAM		FA		J2D										
J	TOKYO	8927.000	10	06	0858			MANILA		FA		J2D										
J	TOKYO	8927.000	28	06	0506			GUAM		FA		J2D										
J	TOKYO	8928.300	02	06	1115				USA			J2D	122	W	03	37	N	45	57	B		
D	BERLIN	8928.575	10	05	1645	2015			UKR	FX	2K55	G1D	035	E	56	48	N	48	95			
D	KONSTANZ	8930.000	12	05	1641	2400			S	FX	3K00	J7X	017	E	05	60	N	35	13			
D	KONSTANZ	8940.700	10	05	0000	0840			RUS	FX	3K00E	J3E	036	E	04	60	N	48	40			
D	KONSTANZ	8940.700	10	05	1531	2400			RUS	FX	3K00E	J3E	036	E	04	60	N	48	40			
D	KONSTANZ	8940.700	12	05	0000	2400			RUS	FX	3K00E	J3E	036	E	04	60	N	48	40			
INS	MSTM-MEDAN	8942.000	13	05	0220	0230	20.0	Singapore Tower	SNG	FA	3K00E	J3E										
INS	MSPA-SAMARINDA	8942.000	17	05	0028	0031	48.9	MANILA CONTROL / SINGAPORE RADIO	SNG	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	8942.000	18	05	0138	0142	49.7	MANILA CONTROL / SINGAPORE RADIO	SNG	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	8942.000	31	05	0234	0236	49.9	MANILA CONTROL / SINGAPORE RADIO	SNG	FD	2K70E	J3E										
J	TOKYO	8942.000	10	06	0836			MANILA		FA		J3E										
INS	MSKH-KUPANG	8942.000	14	06	0250	0255	5.7	SINGAPORE RADIO	SNG	FA	2K40E	J3E										
D	BERLIN	8943.500	10	05	0000	2400				FX	2K70E	G1D	014	E	35	46	N	27	171			BALKAN
D	KONSTANZ	8943.500	10	05	0000	2400			IRL	FX	2K70E	G1D	006	W	53	52	N	47	302			
D	KONSTANZ	8943.500	11	05	0000	2400			IRL	FX	2K70E	G1D	006	W	53	52	N	47	302			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KONSTANZ	8943.500	12	05	0000	2400			IRL	FX	2K70E	G1D	006	W	53	52	N	47	302			
D	KONSTANZ	8949.500	11	05	0210	0755			CAN	FX	2K70E	G1D	064	W	53	53	N	15	308			
D	KONSTANZ	8950.000	10	05	0315	0823				FX	2K70E	G1D	038	W	37	15	S	31	227			
D	KONSTANZ	8950.000	12	05	0218	0811				FX	2K70E	G1D	038	W	37	15	S	31	227			
INS	MSKH-KUPANG	8957.000	13	05	0810	0815	1.7	EIP	IRL	FA	2K80E	J3E										SHANNON VOLMET
D	KONSTANZ	8958.500	10	05	0000	2400			IRL	FX	3K00E	J3E	009	W	25	52	N	41	300			
D	KONSTANZ	8958.500	11	05	0000	2400			IRL	FX	3K00E	J3E	009	W	25	52	N	41	300			
D	KONSTANZ	8958.500	12	05	0000	2400			IRL	FX	3K00E	J3E	009	W	25	52	N	41	300			
J	TOKYO	8967.100	26	05	0040							A1A							290	B		
HNG	TARNOK	8969.800	20	05	0000	0008	32.7				24K0E	F0N										OTHR
HNG	TARNOK	8978.500	20	05	0000	2400	24.3	REYKJAVIK	ISL	FD	2K40	G1D										HF ACARS
HNG	TARNOK	8987.000	20	05	2031	2110	45.6				10K0E	F0N										OTHR
HNG	TARNOK	9000.000	20	05	1620	2040	24.0				10K0E	F0N										OTHR
HNG	TARNOK	9004.000	20	05	0951	1003	12.5				16K0E	F0N										OTHR
HNG	TARNOK	9012.500	20	05	1630	2100	16.9				3K00E	G1D										
HNG	TARNOK	9015.500	20	05	1630	2100	14.8				3K00E	G1D										
HNG	TARNOK	9021.000	20	05	0413	0420	28.1				24K0E	F0N										OTHR
J	TOKYO	9054.000	18	04	2348				CHN			A1A	122	E	18	37	N	21	282	B		
J	TOKYO	9057.800	09	06	1002														195	B		
J	TOKYO	9074.000	10	05	0601				CHN			A1A	120	E	16	30	N	04	257	B		
J	TOKYO	9075.000	06	04	0417				USA			F1B	155	W	42	19	N	25	88	B		HWA
J	TOKYO	9075.000	21	06	0749				USA			F1B	157	W	56	21	N	22	87	B		HWA
J	TOKYO	9075.000	28	06	0609				USA			F1B	158	W	04	21	N	28	87	B		HWA
J	TOKYO	9095.000	26	05	0132				KOR	BC		A3E	127	E	37	38	N	04	287	B		
J	TOKYO	9100.000	02	05	0747				KOR	BC		A3E	127	E	00	37	N	04	282	A		
J	TOKYO	9100.000	17	05	0416				KOR	BC		A3E	127	E	08	37	N	18	283	A		
J	TOKYO	9100.000	01	06	2346					BC		A3E										
J	TOKYO	9100.000	09	06	1004					BC		A3E										
J	TOKYO	9105.000	18	04	2351			ECHO OF HOPE		BC		A3E	127	E	03	37	N	26	283	B	11	
J	TOKYO	9112.000	06	04	0421				USA			F1B	155	W	07	19	N	27	87	B		HWA
J	TOKYO	9114.000	21	06	0752				USA			F1B	157	W	56	21	N	29	87	B		HWA
J	TOKYO	9114.000	28	06	0611				USA			F1B	157	W	59	21	N	38	87	B		HWA
J	TOKYO	9119.950	06	04	0423			SOUND OF HOPE		BC		A3E	121	E	05	23	N	50	240	B	11	TAIWAN
J	TOKYO	9119.950	13	04	0135			SOUND OF HOPE		BC		A3E	121	E	32	24	N	43	241	B	11	TAIWAN
J	TOKYO	9119.970	28	06	0612			SOUND OF HOPE		BC		A3E	121	E	13	23	N	27	239	B	11	TAIWAN
J	TOKYO	9119.980	21	06	0755			SOUND OF HOPE		BC		A3E	121	E	02	24	N	38	242	B	11	TAIWAN
J	TOKYO	9119.990	10	05	0606			SOUND OF HOPE		BC		A3E	121	E	17	24	N	06	240	A	11	TAIWAN
J	TOKYO	9119.990	01	06	2348			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9119.990	09	06	1006			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	9120.000	26	05	0135					BC		A3E							241	D		
J	TOKYO	9120.010	17	05	0421			SOUND OF HOPE		BC		A3E	120	E	35	23	N	26	240	A	11	TAIWAN
J	TOKYO	9120.020	02	05	0752			SOUND OF HOPE		BC		A3E	120	E	33	23	N	41	240	B	11	TAIWAN
J	TOKYO	9150.000	28	06	0613				CHN			A1A	116	E	34	23	N	45	246	B		
KOR	CRMS	9155.000	21	04	0115	0115	-5.1		CHN	BC		A3E									11	
J	TOKYO	9155.000	02	05	0756			CHINA N.R.		BC		A3E	108	E	42	19	N	06	248	A	11	
KOR	CRMS	9155.000	11	05	0640	0640	-3.3		CHN	BC		A3E									11	
KOR	CRMS	9155.000	12	05	0123	0123	-7.1		CHN	BC		A3E									11	
J	TOKYO	9155.000	26	05	0139					BC		A3E										
J	TOKYO	9155.000	01	06	2349			CHINA N.R.		BC		A3E							247	A	11	
KOR	CRMS	9155.000	15	06	0636	0636	2.0		CHN	BC		A3E									11	
KOR	CRMS	9155.000	16	06	0102	0102	2.3		CHN	BC		A3E									11	
J	TOKYO	9155.030	06	04	0425			SOUND OF HOPE		BC		A3E	106	E	52	47	N	46	306	B	11	MNG
J	TOKYO	9163.390	10	05	0610				CHN			J2D	120	E	18	36	N	13	278	B		
J	TOKYO	9163.990	09	06	1007							A1A										
J	TOKYO	9165.000	06	04	0431			HLL2				F3C	128	E	29	36	N	09	277	A		
I	ROMA	9165.000	27	04	2130	2138	8.0	HLL2	KOR	FX	1K50E	F1C										FAX 120 RPM METEO
J	TOKYO	9169.000	06	04	0428				RUS			F1B	132	E	19	43	N	16	323	A		
J	TOKYO	9169.010	18	04	2359				RUS			F1B	132	E	57	42	N	51	324	A		
J	TOKYO	9175.000	06	04	0435			HLL2				F3C	128	E	19	36	N	07	277	A		
J	TOKYO	9180.000	10	05	0612			SOUND OF HOPE		BC		A3E	120	E	50	22	N	54	238	A	11	TAIWAN
KOR	CRMS	9180.000	18	05	0747	0747	-1.8		CHN	BC		A3E									11	
J	TOKYO	9180.000	09	06	1010			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9180.000	21	06	0759			SOUND OF HOPE		BC		A3E	120	E	45	23	N	19	239	B	11	TAIWAN
J	TOKYO	9180.000	28	06	0618			SOUND OF HOPE		BC		A3E	120	E	28	23	N	32	240	B	11	TAIWAN
J	TOKYO	9180.010	26	05	0143					BC		A3E										
J	TOKYO	9180.010	01	06	2354			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9180.020	19	04	0003			SOUND OF HOPE		BC		A3E	121	E	02	23	N	00	238	B	11	TAIWAN
J	TOKYO	9180.020	02	05	0806			SOUND OF HOPE		BC		A3E	120	E	26	23	N	32	240	B	11	TAIWAN
J	TOKYO	9180.030	06	04	0439			SOUND OF HOPE		BC		A3E	120	E	38	23	N	23	240	B	11	TAIWAN
I	ROMA	9187.000	21	04	1242	1244	30.0		SUI	FX	3K00E	J2D							326	A		MIL 188-110
J	TOKYO	9195.200	10	05	0615				CHN			J2B	122	E	58	41	N	08	297	A		
J	TOKYO	9200.030	06	04	0441			SOUND OF HOPE		BC		A3E	126	E	26	33	N	19	263	B	11	KOR
J	TOKYO	9200.040	13	04	0142			SOUND OF HOPE		BC		A3E	126	E	47	33	N	29	263	B	11	KOR
J	TOKYO	9214.930	06	04	0443			SOUND OF HOPE		BC		A3E	127	E	37	36	N	17	277	B	11	KOR
J	TOKYO	9214.950	13	04	0143			SOUND OF HOPE		BC		A3E	128	E	01	36	N	24	278	B	11	KOR
J	TOKYO	9214.950	19	04	0007			SOUND OF HOPE		BC		A3E	127	E	49	36	N	21	277	A	11	KOR
J	TOKYO	9214.990	28	06	0619			SOUND OF HOPE		BC		A3E	121	E	30	24	N	58	242	B	11	TAIWAN
J	TOKYO	9215.000	10	05	0617			SOUND OF HOPE		BC		A3E	120	E	28	23	N	19	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	9215.000	01	06	2355			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9215.000	09	06	1012			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9215.000	21	06	0800			SOUND OF HOPE		BC		A3E	121	E	02	24	N	42	242	B	11	TAIWAN
J	TOKYO	9215.010	26	05	0146					BC		A3E										
J	TOKYO	9215.030	02	05	0811			SOUND OF HOPE		BC		A3E	120	E	35	23	N	32	240	B	11	TAIWAN
J	TOKYO	9229.950	13	04	0143			SOUND OF HOPE		BC		A3E	121	E	39	24	N	56	241	B	11	TAIWAN
J	TOKYO	9229.950	10	05	0620			SOUND OF HOPE		BC		A3E	121	E	02	24	N	24	241	A	11	TAIWAN
J	TOKYO	9229.960	06	04	0445			SOUND OF HOPE		BC		A3E	121	E	25	24	N	35	240	B	11	TAIWAN
J	TOKYO	9229.970	02	05	0815			SOUND OF HOPE		BC		A3E	121	E	27	25	N	00	242	A	11	TAIWAN
KOR	CRMS	9230.000	02	05	0033	0033	14.7		CHN	BC		A3E									11	
J	TOKYO	9230.180	26	05	0148					BC		A3E										
J	TOKYO	9230.180	01	06	2357			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9230.180	09	06	1013			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9230.180	28	06	0620			SOUND OF HOPE		BC		A3E	121	E	28	24	N	01	240	B	11	TAIWAN
J	TOKYO	9254.930	06	04	0447			SOUND OF HOPE		BC		A3E	105	E	53	47	N	55	306	B	11	MNG
KOR	CRMS	9255.000	18	04	0042	0042	2.9		CHN	BC		A3E									11	
J	TOKYO	9255.000	02	05	0818			CHINA N.R.		BC		A3E							286	C	11	
KOR	CRMS	9255.000	11	05	0641	0641	4.0		CHN	BC		A3E									11	
KOR	CRMS	9255.000	13	05	0451	0451	2.9		CHN	BC		A3E									11	
J	TOKYO	9255.000	26	05	0149					BC		A3E										
J	TOKYO	9255.000	01	06	2358			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9255.000	09	06	1014			CHINA N.R.		BC		A3E							245	B	11	
KOR	CRMS	9255.000	15	06	0636	0636	-8.1		CHN	BC		A3E									11	
KOR	CRMS	9255.000	17	06	0521	0521	7.4		CHN	BC		A3E									11	
J	TOKYO	9275.000	09	06	1016			FEBC R.LIANGYOU		BC		A3E							224	B	11	
J	TOKYO	9276.000	13	04	0144				CHN			H3E	120	E	31	23	N	34	240	B		TAIWAN
KOR	CRMS	9280.000	02	05	0034	0034	15.3		CHN	BC		A3E									11	
KOR	CRMS	9280.000	17	06	0522	0522	-8.2		CHN	BC		A3E									11	
J	TOKYO	9280.100	10	05	0622			SOUND OF HOPE		BC		A3E	121	E	29	25	N	04	242	A	11	TAIWAN
J	TOKYO	9280.100	28	06	0621			SOUND OF HOPE		BC		A3E	120	E	27	23	N	18	240	B	11	TAIWAN
J	TOKYO	9280.110	06	04	0449			SOUND OF HOPE		BC		A3E	120	E	28	23	N	39	240	A	11	TAIWAN
J	TOKYO	9280.110	02	05	0822			SOUND OF HOPE		BC		A3E	120	E	28	23	N	26	240	A	11	TAIWAN
J	TOKYO	9280.110	02	06	0002			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9280.110	09	06	1018			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9280.110	21	06	0805			SOUND OF HOPE		BC		A3E	120	E	26	23	N	21	240	B	11	TAIWAN
J	TOKYO	9299.930	21	06	0807			SOUND OF HOPE		BC		A3E	120	E	33	23	N	59	241	B	11	TAIWAN
J	TOKYO	9299.930	28	06	0622			SOUND OF HOPE		BC		A3E	121	E	08	24	N	26	241	B	11	TAIWAN
J	TOKYO	9299.940	02	06	0003			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9299.950	10	05	0623			SOUND OF HOPE		BC		A3E	120	E	43	24	N	15	241	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	9299.950	09	06	1019			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9299.960	06	04	0451			SOUND OF HOPE		BC		A3E	120	E	05	24	N	31	241	B	11	TAIWAN
J	TOKYO	9299.960	13	04	0151			SOUND OF HOPE		BC		A3E	121	E	33	24	N	57	242	A	11	TAIWAN
J	TOKYO	9299.960	19	04	0011			SOUND OF HOPE		BC		A3E	120	E	58	24	N	05	240	A	11	TAIWAN
J	TOKYO	9299.960	17	05	0427			SOUND OF HOPE		BC		A3E	121	E	29	24	N	49	241	A	11	TAIWAN
J	TOKYO	9299.980	02	05	0826			SOUND OF HOPE		BC		A3E	121	E	29	24	N	33	241	B	11	TAIWAN
KOR	CRMS	9300.000	11	05	0642	0642	-6.9		CHN	BC		A3E									11	
J	TOKYO	9304.000	13	04	0151				RUS			F1B	140	E	22	49	N	31	0	B		
HNG	TARNOK	9310.003	22	05	1300	1900	13.6	VOA	THA	BC	10K0E	A3E									11	
J	TOKYO	9320.000	06	04	0452				CHN	BC		A3E	115	E	53	39	N	54	290	B		
J	TOKYO	9320.020	06	04	0501			SOUND OF HOPE		BC		A3E	120	E	38	23	N	35	240	B	11	TAIWAN
J	TOKYO	9320.020	13	04	0152			SOUND OF HOPE		BC		A3E	121	E	29	25	N	00	242	B	11	TAIWAN
HNG	TARNOK	9328.000	22	05	1701	1828	47.9				340H	F1B										100BD 240HZ
HNG	TARNOK	9330.000	22	05	1400	2400	18.3	WBCQ	USA	BC	10K0E	A3E									11	
HNG	TARNOK	9330.001	22	05	0600	1150	22.3	WBCQ	USA	BC	10K0E	A3E									11	
J	TOKYO	9339.790	21	06	0811			SOUND OF HOPE		BC		A3E	120	E	58	23	N	57	240	B	11	TAIWAN
J	TOKYO	9339.790	28	06	0623			SOUND OF HOPE		BC		A3E	121	E	07	22	N	57	238	B	11	TAIWAN
J	TOKYO	9339.800	10	05	0626			SOUND OF HOPE		BC		A3E	121	E	00	22	N	49	238	A	11	TAIWAN
J	TOKYO	9339.810	02	06	0006			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9339.810	09	06	1024			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9339.830	13	04	0152			SOUND OF HOPE		BC		A3E	121	E	28	24	N	59	242	B	11	TAIWAN
J	TOKYO	9339.840	06	04	0456			SOUND OF HOPE		BC		A3E	120	E	40	22	N	52	238	B	11	TAIWAN
J	TOKYO	9339.840	19	04	0013			SOUND OF HOPE		BC		A3E	120	E	52	22	N	43	238	B	11	TAIWAN
J	TOKYO	9339.840	02	05	0832			SOUND OF HOPE		BC		A3E	120	E	28	23	N	19	240	B	11	TAIWAN
KOR	CRMS	9340.000	04	04	0026	0026	28.7		CHN	BC		A3E									11	
KOR	CRMS	9340.000	02	05	0059	0059	16.6		CHN	BC		A3E									11	
HNG	TARNOK	9345.000	22	05	1400	1600	15.6	FEBC	PHL	BC	10K0E	A3E									11	
J	TOKYO	9350.000	13	04	0152				CHN	BC		A3E	114	E	58	39	N	10	288	B		
J	TOKYO	9350.000	26	05	0152					BC		A3E							285	D		
HNG	TARNOK	9355.000	22	05	1457	1600	40.8	RFA	TJK	BC	19K0E	A3E									11	
HNG	TARNOK	9356.900	22	05	0651	1457	15.8				3K00	G1D										STANAG 4285
J	TOKYO	9359.000	26	05	0156							A1A										
HNG	TARNOK	9359.999	22	05	1600	2100	45.3	RFA	KWT	BC	20K0E	A3E									11	
J	TOKYO	9370.000	13	04	0153			CHINA N.R.		BC		A3E	112	E	00	37	N	05	282	B	11	
HNG	TARNOK	9370.000	22	05	0300	0630	50.7	R.FARDA	D	BC	12K6	A3E									11	
HNG	TARNOK	9370.000	22	05	1100	1230	55.9	R.FARDA	D	BC	10K0	A3E									11	
HNG	TARNOK	9370.001	22	05	0100	0300	39.2	RFA	CHN	BC	10K0	A3E									11	
HNG	TARNOK	9370.001	22	05	1426	1630	13.7	VOA	PHL	BC	10K0E	A3E									11	
J	TOKYO	9380.000	06	04	0457				USA			F1B	144	E	43	13	N	18	169	B		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	9380.000	02	05	0836				USA			F1B	144	E	35	13	N	22	169	B		GUM
J	TOKYO	9380.000	10	05	0628				USA			F1B	144	E	42	13	N	27	169	A		
J	TOKYO	9380.000	09	06	1030							F1B							168	B		
J	TOKYO	9380.000	28	06	0624				USA			F1B	144	E	39	13	N	20	169	B		GUM
HNG	TARNOK	9380.001	22	05	1430	1630	14.3	VOA	PHL	BC	10K0E	A3E									11	
HNG	TARNOK	9389.998	22	05	1527	1830	28.2	BBC	TJK	BC	10K0E	A3E									11	
J	TOKYO	9395.000	06	04	0459					BC		A3E							40	C		
J	TOKYO	9395.000	10	05	0631					BC		A3E							40	C		
J	TOKYO	9399.970	09	06	1032					BC		A3E							222			
HNG	TARNOK	9399.974	22	05	1100	1400	13.8	FEBC	PHL	BC	10K0E	A3E										
HNG	TARNOK	9399.998	22	05	1557	2000	47.6	THE OVERCOVER M.	BUL	BC	10K0E	A3E										
HNG	TARNOK	9399.999	22	05	0500	0800	43.7	THE OVERCOVER M.	BUL	BC	10K0E	A3E										
HNG	TARNOK	9399.999	22	05	1456	1600	50.0	FROM THE ISLE OF M.	BUL	BC	10K0E	A3E										
KOR	CRMS	9405.000	04	04	0027	0027	29.4		PHL	BC		A3E									6	
KOR	CRMS	9410.000	03	05	0531	0531	18.2		CHN	BC		A3E									6	
KOR	CRMS	9410.000	08	06	0830	0830	36.7		CHN	BC		A3E									6	
J	TOKYO	9417.000	06	04	0505				RUS			F1B	131	E	58	43	N	33	323	A		
J	TOKYO	9417.000	10	05	0633				RUS			F1B	132	E	10	43	N	17	323	A		
J	TOKYO	9417.000	17	05	0436				RUS			F1B	131	E	47	43	N	27	322	A		
J	TOKYO	9417.000	21	06	0814				RUS			F1B	132	E	00	43	N	20	322	B		
J	TOKYO	9417.000	28	06	0630				RUS			F1B	131	E	55	43	N	22	322	B		
J	TOKYO	9420.000	13	04	0205				CHN	BC		D7W	126	E	26	46	N	20	320	B		
J	TOKYO	9420.000	26	05	0206				CHN	BC		D7W	125	E	27	47	N	00	320	A		
KOR	CRMS	9445.000	11	04	0919	0919	20.9	KCB	KRE	BC		A3E									3	
KOR	CRMS	9445.000	11	05	0642	0642	18.1	KCB	KRE	BC		A3E									3	
KOR	CRMS	9445.000	24	05	0521	0521	23.2		CHN	BC		A3E									6	
KOR	CRMS	9445.000	13	06	0416	0416	6.1	KCB	KRE	BC		A3E									3	
HNG	TARNOK	9449.999	24	05	1730	1827	49.7	CRI	CHN	BC	8K41	A3E										
HNG	TARNOK	9450.000	24	05	0200	0357	16.4	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	9455.000	24	05	1500	1555	18.1	CRI	CHN	BC	11K8	A3E										
HNG	TARNOK	9456.000	24	05	0649	0800	32.6				650H	G1D									50BD 500HZ	
HNG	TARNOK	9459.995	24	05	1130	1200	12.7	VOA	PHL	BC	11K8	A3E										
INS	MSTM-MEDAN	9460.000	10	05	0110	0120	39.1	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	9460.000	24	05	0000	0157	15.0	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	9460.005	24	05	1550	2058	67.1	TRT	TUR	BC	10K0E	A3E										
HNG	TARNOK	9465.000	24	05	0200	0258	18.0	TRT	TUR	BC	10K0E	A3E										
HNG	TARNOK	9465.007	24	05	1400	1500	23.3	VOA	PHL	BC	11K4	A3E										
HNG	TARNOK	9469.993	24	05	2000	2100	51.3	VOA	BOT	BC	11K1	A3E										
HNG	TARNOK	9469.998	24	05	1659	1757	49.3	CRI	CHN	BC	9K35	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	MSTM-MEDAN	9470.000	10	05	0120	0130	22.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	9470.000	10	05	0720	0730	20.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	9470.000	24	05	0348	0500	14.0	PBS XIZANG	CHN	BC	10K0E	A3E										
HNG	TARNOK	9479.998	24	05	1400	1600	15.6	CNR 11	CHN	BC	11K8	A3E										
HNG	TARNOK	9479.999	24	05	1800	1957	59.4	CRI	CHN	BC	11K6	A3E										
INS	MSTM-MEDAN	9480.000	10	05	0130	0140	37.0	VOA RADIO ASHNA	THA	BC	9K00E	A3E										
INS	MSTM-MEDAN	9480.000	10	05	0730	0740	32.0	VOA RADIO ASHNA	THA	BC	9K00E	A3E										
HNG	TARNOK	9480.000	24	05	0230	0430	28.6	R.AZADI	D	BC	10K0E	A3E										
HNG	TARNOK	9480.000	24	05	1600	1700	45.3	RFA	KWT	BC	11K5	A3E										
HNG	TARNOK	9480.000	24	05	2000	2100	26.4	NHK	J	BC	11K8	A3E										
HNG	TARNOK	9489.993	24	05	2030	2100	55.1	VOA	KWT	BC	10K5	A3E										
HNG	TARNOK	9489.994	24	05	1800	2030	59.6	VOA	BOT	BC	11K4	A3E										
HNG	TARNOK	9489.999	24	05	1200	1300	59.7	RRO	ROU	BC	8K39	A3E										
HNG	TARNOK	9490.000	24	05	0000	0027	17.1	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	9490.000	24	05	0158	0500	16.9	PBS XIZANG	CHN	BC	10K0E	A3E										
HNG	TARNOK	9490.000	24	05	0300	0500	49.5	NHK	J	BC	10K0E	A3E										
HNG	TARNOK	9490.000	24	05	1300	1600	15.8	CRI	CHN	BC	11K8	A3E										
HNG	TARNOK	9490.000	24	05	1730	1800	52.5	BVBN	BUL	BC	11K1	A3E										
HNG	TARNOK	9490.000	24	05	2130	2200	56.5	VOA	G	BC	6K75	A3E										
INS	MSTM-MEDAN	9500.000	10	05	0150	0200	10.0	CNR 1 Voice of China	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	9500.000	10	05	0750	0800	11.0	CNR 1 Voice of China	CHN	BC	9K00E	A3E										
HNG	TARNOK	9500.000	24	05	1600	1957	75.0	RRO	ROU	BC	9K01	A3E										
HNG	TARNOK	9500.000	24	05	2130	2400	25.4	CNR 1	CHN	BC	11K8	A3E										
KOR	CRMS	9500.000	26	05	0025	0025	21.6		CHN	BC		A3E									6	
KOR	CRMS	9500.000	02	06	0111	0111	44.4		CHN	BC		A3E									6	
INS	MSTM-MEDAN	9510.000	10	05	0200	0210	29.0	PBS Xinjiang		BC	9K00E	A3E										
INS	MSTM-MEDAN	9510.000	10	05	0800	0810	28.0	PBS Xinjiang		BC	9K00E	A3E										
INS	MSTM-MEDAN	9530.000	10	05	0220	0230	14.0	CNR 11	CHN	BC	6K00E	A3E										
INS	MSTM-MEDAN	9530.000	10	05	0820	0830	12.0	CNR 11	CHN	BC	6K00E	A3E										
KOR	CRMS	9530.000	11	05	0643	0643	10.8	CNR	CHN	BC		A3E									3	
KOR	CRMS	9530.000	16	06	0103	0103	4.2	CNR	CHN	BC		A3E									3	
J	TOKYO	9535.000	01	04	2200			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	9535.000	22	04	2200			CHINA R.I.	CHN	BC		A3E										
INS	MSTM-MEDAN	9535.000	10	05	0230	0240	24.9	CHINA RADIO INTERNATIONAL'--	CHN	BC	6K00E	A3E										
J	TOKYO	9535.000	12	05	2200			CHINA R.I.	CHN	BC		A3E										
INS	MSTM-MEDAN	9540.000	10	05	0830	0840	27.0	CHINA RADIO INTERNATIONAL'--	CHN	BC	6K00E	A3E										
J	TOKYO	9543.000	09	06	1036							A1A							230	B		
HNG	TARNOK	9549.998	26	05	1100	1657	13.3	CNR	CHN	BC	11K8	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	MSTM-MEDAN	9550.000	10	05	0240	0250	51.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	9550.000	10	05	0840	0850	48.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	9553.800	26	05	2005	2300	45.4			BC	3K00E	G1D										CODAN-3212
HNG	TARNOK	9554.882	26	05	1000	1300	12.2	CNR	CHN	BC	11K8	A3E									3	JAM
HNG	TARNOK	9559.997	26	05	1758	1930	48.2	CRI	CHN	BC	10K5	A3E										
INS	MSTM-MEDAN	9560.000	10	05	0250	0300	18.0	NHK WORLD RADIO NIPPON	J	BC	6K00E	A3E										
INS	MSTM-MEDAN	9560.000	10	05	0850	0900	15.0	NHK WORLD RADIO NIPPON	J	BC	6K00E	A3E										
HNG	TARNOK	9560.000	26	05	1100	1200	12.4	PBS XINJIANG	CHN	BC	11K7	A3E										
HNG	TARNOK	9560.000	26	05	1500	1557	33.1	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	9560.001	26	05	0100	0157	28.0	CRI		BC	12K6	A3E										
HNG	TARNOK	9565.001	26	05	1500	1557	45.5	CRI	CHN	BC	10K8	A3E										
HNG	TARNOK	9569.851	26	05	1400	1500		KBS	KOR	BC	11K5	A3E									3	
HNG	TARNOK	9569.918	26	05	1500	1800	39.9	CRI	CHN	BC	11K6	A3E									3	
INS	MSTM-MEDAN	9570.000	10	05	0300	0310	24.0	CNR 2-China Business Radio	CHN	BC	6K00E	A3E										
INS	MSTM-MEDAN	9570.000	10	05	0900	0910	22.0	CNR 2-China Business Radio	CHN	BC	6K00E	A3E										
HNG	TARNOK	9570.000	26	05	2030	2227	60.7	CRI	CHN	BC	10K3	A3E										
HNG	TARNOK	9570.001	26	05	0100	0330	18.1	CNR	CHN	BC	12K0	A3E										
HNG	TARNOK	9570.005	26	05	1300	1400	36.6	KBS	KOR	BC	11K1	A3E										TWO TRANSMISSIONS
HNG	TARNOK	9570.005	26	05	1320	1420	36.6	IRB	IRN	BC	11K1	A3E										TWO TRANSMISSIONS
HNG	TARNOK	9574.000	26	05	0600	2400	26.4				650H	F1B								11	250HZ,50BD	
HNG	TARNOK	9575.000	26	05	2000	2027	74.2	ROR	ROU	BC	9K92	A3E										
J	TOKYO	9580.000	21	04	0100			KBS WORLD R.	KOR	BC		A3E										
HNG	TARNOK	9580.000	26	05	1400	1500		WORLD CHRISTIAN BC	USA	BC	10K0E	A3E										
HNG	TARNOK	9580.000	26	05	1455	1515					20K0E	F0N								11	OTHR	
HNG	TARNOK	9580.000	26	05	1517	1527	48.0			BC	20K0E	F0N								11	OTHR	
KOR	CRMS	9580.000	02	06	0112	0112	29.0		J	BC		A3E								6		
HNG	TARNOK	9584.989	26	05	1700	1900	48.3	BBC	UAE	BC	10K9	A3E								3		
HNG	TARNOK	9584.997	26	05	1400	1443	14.7	TWR	SWZ	BC	11K8	A3E										
HNG	TARNOK	9584.999	26	05	1458	1600	22.5	CRI	CHN	BC	11K7	A3E										
J	TOKYO	9585.000	22	04	1500			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	9585.000	26	05	1330	1400	19.3	BBC	SNG	BC	11K7	A3E										
HNG	TARNOK	9585.000	26	05	2100	2158	57.6	RADIO ALGERIENNE	F	BC	9K70	A3E										
J	TOKYO	9585.000	16	06	1500			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	9585.001	26	05	2000	2057	70.5	CRI	CHN	BC	11K2	A3E										
INS	MSTM-MEDAN	9590.000	10	05	0320	0330	20.0	Thazin Radio	BRM	BC	6K00E	A3E										
INS	MSTM-MEDAN	9590.000	10	05	0920	0930	19.0	Thazin Radio	BRM	BC	6K00E	A3E										
J	TOKYO	9590.000	12	05	2200			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	9590.001	26	05	0100	0300	39.8	CRI		BC	15K6	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	9590.001	26	05	2200	2400	62.0	CRI	CHN	BC	11K5	A3E										
HNG	TARNOK	9595.000	26	05	1430	1530	23.0	VAT	PHL	BC	10K7	A3E										
J	TOKYO	9596.000	10	05	0637				RUS			F1B	131	E	57	43	N	11	322	B		
HNG	TARNOK	9599.981	26	05	0130	0250	20.5	PBS XINJIANG		BC	10K4	A3E										
HNG	TARNOK	9599.992	26	05	1300	1357	18.3	CNR	CHN	BC	11K7	A3E										TWO TRANSMISSIONS
HNG	TARNOK	9599.999	26	05	1500	1527	27.7	CRI	CHN	BC	10K6	A3E										
HNG	TARNOK	9600.000	26	05	1230	1400	18.0	PBS XINJIANG	CHN	BC	11K5	A3E										TWO TRANSMISSIONS
HNG	TARNOK	9600.000	26	05	1400	1457	64.7	ROR	ROU	BC	7K70	A3E										
HNG	TARNOK	9600.000	26	05	1758	1857	52.2	CRI	CHN	BC	10K7	A3E										
HNG	TARNOK	9600.000	26	05	2000	2200	66.8	CRI	CHN	BC	11K6	A3E										
HNG	TARNOK	9600.001	26	05	2250	2400	33.2	IRB	IRN	BC	8K60	A3E										
INS	MSTM-MEDAN	9610.000	10	05	0000	2400	36.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
I	ROMA	9620.000	14	06	0622		30.0	R.ALGERIENNE	ALG	BC	9K00E	A3E										
INS	MSTM-MEDAN	9630.000	10	05	0310	0320	14.0	CNR 1 Voice of China	CHN	BC	6K00E	A3E										
KOR	CRMS	9635.000	11	04	0920	0920	20.5		CHN	BC		A3E									6	
KOR	CRMS	9645.000	13	04	0727	0727	19.5	CNR	CHN	BC		A3E									3	
KOR	CRMS	9645.000	26	05	0026	0026	36.3		CHN	BC		A3E									6	
J	TOKYO	9650.000	22	04	2113			V.O. KOREA	KRE	BC		A3E										
J	TOKYO	9650.000	12	05	2100			V.O. KOREA	KRE	BC		A3E										
HNG	TARNOK	9650.039	28	05	1500	2100	47.2	R.SAUDI	ARS	BC	7K44	A3E									3	
HNG	TARNOK	9654.994	28	05	2100	2157	48.1	CRI	CHN	BC	9K92	A3E										
INS	MSTM-MEDAN	9655.000	10	05	0330	0340	44.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	9655.000	28	05	2200	2400	19.7	CNR 1	CHN	BC	10K0E	X7E									DRM	
HNG	TARNOK	9655.002	28	05	1900	1957	61.3	CRI	CHN	BC	10K1	A3E										
HNG	TARNOK	9655.017	28	05	1000	1057	34.7	VOT	TUR	BC	11K8	A3E										
HNG	TARNOK	9659.995	28	05	1500	1600	37.0	R.TAIWAN INT.	CHN	BC	11K4	A3E										
HNG	TARNOK	9659.999	28	05	2000	2058	45.6	R.ALGERIENNE	F	BC	10K7	A3E										
HNG	TARNOK	9660.000	28	05	0530	0557	30.7	RRO	ROU	BC	11K2	A3E										
HNG	TARNOK	9660.000	28	05	0630	0657	57.9	RRO	ROU	BC	9K31	A3E										
I	ROMA	9660.000	14	06	0640		20.0	R.ROMANIA	ROU	BC	9K00E	A3E										
HNG	TARNOK	9665.000	28	05	1500	1600	33.1	CRI	CHN	BC	11K4	A3E										
HNG	TARNOK	9666.979	28	05	2000	2300	36.4			BC	10K0E	A3E									3	
HNG	TARNOK	9667.011	28	05	0500	0700	18.5			BC	11K8	A3E									3	
HNG	TARNOK	9669.999	28	05	0500	0700	18.2			BC	11K8	A3E										
I	ROMA	9670.000	11	05	0831	0832	37.0	RADIO CHANNEL 292	D	BC	9K00E	A3E							354	A		
HNG	TARNOK	9670.000	28	05	0700	1000	37.9			BC	9K80	A3E										
HNG	TARNOK	9670.000	28	05	1100	1300	33.1			BC	11K2	A3E										
HNG	TARNOK	9670.000	28	05	1600	1610	16.6			BC	11K8	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	9670.000	28	05	1800	1857	46.2	CRI	CHN	BC	10K3	A3E										
I	ROMA	9670.000	14	06	0626		20.0	RADIO CHANNEL 292		BC	9K00E	A3E										
I	ROMA	9670.000	14	06	0700		24.0	SUPERCLAN RADIO	D	BC	9K00E	A3E										
HNG	TARNOK	9674.999	28	05	1500	1557	31.4	CRI	CHN	BC	11K5	A3E										
INS	MSTM-MEDAN	9675.000	10	05	0350	0400	22.0	CNR 1 Voice of China	CHN	BC	6K00E	A3E										
J	TOKYO	9675.000	12	05	2200			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	9675.010	28	05	1755	2057	63.1	R.SAUDI	ARS	BC	11K6	A3E										
HNG	TARNOK	9684.985	28	05	1530	1559	29.6	NIPPON NO KAZEIL	CHN	BC	11K5	A3E									3	
HNG	TARNOK	9685.000	28	05	1630	1827	43.0	CRI	CHN	BC	10K1	A3E										
HNG	TARNOK	9685.000	28	05	2100	2257	59.7	RFA	KWT	BC	10K1	A3E										
HNG	TARNOK	9689.999	28	05	1500	1557	24.3	CRI	CHN	BC	11K4	A3E										
HNG	TARNOK	9695.000	28	05	1500	1557	32.1	R.SAUDI	ARS	BC	11K7	A3E										
HNG	TARNOK	9695.000	28	05	1730	1857	46.9	CRI	CHN	BC	11K0	A3E										
J	TOKYO	9698.000	21	06	0821				KOR			J2D	129	E	10	36	N	17	277	A		
HNG	TARNOK	9700.000	28	05	0600	0627	65.5	RRO	ROU	BC	9K21	A3E										
INS	MSTM-MEDAN	9705.000	10	05	0420	0430	19.0	PBS Xinjiang		BC	9K00E	A3E										
INS	MSTM-MEDAN	9720.000	10	05	0440	0450	19.6	CNR 2-China Business Radio	CHN	BC	6K00E	A3E										
KOR	CRMS	9730.000	06	04	0631	0631	52.4		CHN	BC		A3E									6	
KOR	CRMS	9730.000	12	04	0522	0522	16.9		CHN	BC		A3E									6	
KOR	CRMS	9730.000	19	04	0447	0447	12.6		KRE	BC		A3E									6	
INS	MSTM-MEDAN	9730.000	10	05	0450	0500	50.0	SOH rely RFA	CHN	BC	9K00E	A3E										
KOR	CRMS	9730.000	11	05	0644	0644	13.4		KRE	BC		A3E									6	
KOR	CRMS	9730.000	14	06	0609	0609	19.4		KRE	BC		A3E									6	
HNG	TARNOK	9755.000	30	05	1300	1604	18.2	CNR 2	CHN	BC	9K40	A3E										
HNG	TARNOK	9755.001	30	05	2055	2400	32.4	CNR 2	CHN	BC	9K40	A3E										
HNG	TARNOK	9759.996	30	05	1600	1700	52.4	VOA	D	BC	16K0	A3E										
I	ROMA	9760.000	01	05	1658	1705	38.0	R ROMANIA INTERNATIO	ROU	BC	10K0	X7W										ENGLISH LANGUAGE
HNG	TARNOK	9760.005	30	05	2000	2030	46.2	ADVENTIST WORLD	D	BC	11K0	A3E										
HNG	TARNOK	9765.000	30	05	0155	0226	23.8	CRI	CHN	BC	16K0	A3E										
HNG	TARNOK	9765.000	30	05	2100	2200	31.6	WORLD CHRISTIAN B	MDG	BC	8K25	A3E										
HNG	TARNOK	9765.001	30	05	1300	1500	24.4	CRI	CHN	BC	9K50	A3E										
HNG	TARNOK	9765.001	30	05	1900	1957	46.5	CRI	CHN	BC	10K7	A3E										
INS	MSTM-MEDAN	9770.000	10	05	0530	0540	33.0	PBS Qinghai	CHN	BC	9K00E	A3E										
HNG	TARNOK	9770.000	30	05	1600	1657	35.6	CRI		BC	10K6	A3E										
HNG	TARNOK	9770.006	30	05	0357	0558	62.6	TRT	TUR	BC	10K0E	A3E										
HNG	TARNOK	9774.999	30	05	1300	1600	19.5	CRN	CHN	BC	9K40	A3E										
KOR	CRMS	9775.000	03	05	0533	0533	22.8		CHN	BC		A3E									6	
HNG	TARNOK	9775.001	30	05	0000	0100	16.4	CNR 2	CHN	BC	10K0E	A3E										
HNG	TARNOK	9775.001	30	05	0000	2400	39.6	CNR 2	CHN	BC	10K6	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	9780.000	30	05	1330	1600	21.5	PBS QINGHAI	CHN	BC	9K88	A3E										
HNG	TARNOK	9780.001	30	05	0000	0600	21.1	PBS QINGHAI	CHN	BC	16K0E	A3E										
HNG	TARNOK	9780.001	30	05	1700	1900	26.2	NHK	F	BC	9K90	A3E										
HNG	TARNOK	9780.004	30	05	2000	2030	45.4	ADVENTIST WORLD	D	BC	11K2	A3E										
HNG	TARNOK	9784.996	30	05	1400	1505	20.5	CNR 8	CHN	BC	9K48	A3E										
HNG	TARNOK	9790.000	30	05	0359	0700	42.5	RFI	F	BC	8K60	A3E										
I	ROMA	9790.000	14	06	0635		40.0	R.FRANCE	F	BC	9K00E	A3E										
HNG	TARNOK	9790.001	30	05	0300	0358	36.2	CRI	CUB	BC	20K0	A3E										
HNG	TARNOK	9790.001	30	05	1900	2200	52.9	RFI	F	BC	10K0	A3E										
KOR	CRMS	9800.000	07	04	0201	0201	44.8		CHN	BC		A3E										6
KOR	CRMS	9800.000	12	05	0126	0126	3.6		CHN	BC		A3E										6
KOR	CRMS	9800.000	02	06	0115	0115	55.2		CHN	BC		A3E										6
HNG	TARNOK	9800.001	30	05	0000	0057	45.6	CRI	CHN	BC	16K0	A3E										
HNG	TARNOK	9800.024	30	05	1400	1457	22.9	CRI	CHN	BC	9K80	A3E										3
J	TOKYO	9805.000	21	04	0955			KBS WORLD R.	KOR	BC		A3E										
J	TOKYO	9839.760	21	04	1100			V.O. VIETNAM	VTN	BC		A3E										
INS	MSTM-MEDAN	9840.000	10	05	0640	0650	39.0	VOICE OF VIETNAM	VTN	BC	9K00E	A3E										
J	TOKYO	9840.000	16	06	1110			V.O. VIETNAM	VTN	BC		A3E										
HNG	TARNOK	9850.001	01	06	0300	0357	25.4	ROR	ROU	BC	11K0	A3E										
HNG	TARNOK	9855.001	01	06	1920	2020	63.9	VO ISLAMIC REP.IRAN	IRN	BC	10K0E	A3E										
HNG	TARNOK	9859.999	01	06	1500	1804	27.9	CNR 1	CHN	BC	11K7	A3E										
HNG	TARNOK	9860.000	01	06	1900	2000	22.5			BC	10K0E	X7E										DRM
HNG	TARNOK	9860.000	01	06	2025	2300	39.6	CNR 1	CHN	BC	10K6	A3E										
HNG	TARNOK	9865.000	01	06	2000	2100	44.3	CRI	CHN	BC	8K80	A3E										
HNG	TARNOK	9869.909	01	06	0000	0030	40.8	IBRA MEDIA	UZB	BC	9K70	A3E										3
HNG	TARNOK	9869.998	01	06	1500	1600	24.6	CRI	CHN	BC	11K7	A3E										
HNG	TARNOK	9870.001	01	06	1650	1820	61.2	VO ISLAMIC REP.IRAN	IRN	BC	7K35	A3E										
HNG	TARNOK	9870.002	03	06	0100	0200	54.4	VOT	TUR	BC	9K20	A3E										
HNG	TARNOK	9870.007	01	06	0100	0158	35.3	TRT	TUR	BC	11K4	A3E										
HNG	TARNOK	9874.808	01	06	0100	0230	25.8	AIR	IND	BC	11K4	A3E										3
HNG	TARNOK	9874.997	01	06	1800	1957	41.9	VOK	KRE	BC	9K90	A3E										
HNG	TARNOK	9875.000	01	06	2000	2050	39.3	VOK KCBS	KRE	BC	10K0E	A3E										
HNG	TARNOK	9875.000	03	06	0100	0230	23.8	AIR	IND	BC	9K00	A3E										TWO TRANSMISSIONS
KOR	CRMS	9875.000	28	06	0544	0544	30.6	KCB	KRE	BC		A3E										6
HNG	TARNOK	9875.020	01	06	2100	2128	58.0	TRT	TUR	BC	7K80	A3E										3
HNG	TARNOK	9875.021	01	06	2128	2157	53.7	VOK	KRE	BC	10K6	A3E										3
HNG	TARNOK	9879.999	01	06	1500	1558	40.4	CRI	CHN	BC	9K34	A3E										
HNG	TARNOK	9880.000	01	06	0000	0057	17.0	CRI	CHN	BC	11K5	A3E										
HNG	TARNOK	9880.000	01	06	0230	0330	19.5	BBC	BUL	BC	11K7	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	9880.000	01	06	2200	2257	46.7	CRI	CHN	BC	10K9	A3E										
HNG	TARNOK	9880.001	01	06	1600	1800	21.2	CRI	CHN	BC	11K6	A3E										
HNG	TARNOK	9880.020	01	06	1930	2028	55.9	TRT	TUR	BC	11K2	A3E									3	
HNG	TARNOK	9884.000	01	06	2059	2200	42.1				300H	F1B										CIS 36-50
J	TOKYO	9885.000	12	05	1629			SAUDI R.I.	ARS	BC		A3E										
HNG	TARNOK	9885.000	01	06	1630	1755	35.4	R.SAUDI	ARS	BC	10K0E	A3E										
HNG	TARNOK	9885.001	01	06	0527	0630	75.4	VOA	G	BC	8K80	A3E										
HNG	TARNOK	9885.001	03	06	0530	0630	64.2	VOA	G	BC	9K20	A3E										
HNG	TARNOK	9889.997	01	06	1600	1757	25.6	VOK	KRE	BC	11K7	A3E										
HNG	TARNOK	9889.998	01	06	2000	2057	57.9	CRI	CHN	BC	10K1	A3E										
HNG	TARNOK	9895.000	01	06	0230	0300	31.9	IBRA MEDIA	UAE	BC	10K0E	A3E										
HNG	TARNOK	9895.004	01	06	0000	0100	36.2	VOA	KWT	BC	10K7	A3E										
HNG	TARNOK	9899.998	01	06	1300	1400	16.9	R.FREE ASIA	CHN	BC	11K8	A3E										
HNG	TARNOK	9899.998	01	06	2200	2400	42.1	R.TAIWAN INT.	CHN	BC	11K6	A3E										
HNG	TARNOK	9899.999	01	06	1500	1600	33.8	KTWR GUAM	USA	BC	10K8	A3E										
HNG	TARNOK	9900.004	01	06	0230	0530	55.3	IRB	IRN	BC	11K8	A3E										
J	TOKYO	9912.400	21	06	0827							J2D							154	C		
J	TOKYO	9915.010	06	04	0510			BBC		BC		A3E							75	C	11	
J	TOKYO	9919.930	02	05	0847			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9919.950	10	05	0640			SOUND OF HOPE		BC		A3E	120	E	31	23	N	19	240	B	11	TAIWAN
J	TOKYO	9919.950	02	06	0014			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9919.950	09	06	1040			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9919.950	28	06	0635			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9919.960	06	04	0513			SOUND OF HOPE		BC		A3E	120	E	50	23	N	35	240	B	11	TAIWAN
J	TOKYO	9919.960	13	04	0208				CHN	BC		D7W	120	E	32	23	N	34	240	B		
KOR	CRMS	9920.000	18	04	0045	0045	-4.4		CHN	BC		A3E									11	
KOR	CRMS	9920.000	12	05	0127	0127	-3.5		CHN	BC		A3E									11	
D	KREFELD	9955.000	05	04	0000	2400		W.R.M.I.	USA	BC	10K0	A3E							288			OKEECHOBEE
J	TOKYO	9955.000	10	05	0642					BC		A3E							35	C		
J	TOKYO	9955.000	09	06	1042			WRMI		BC		A3E							32	B	11	
J	TOKYO	9965.010	21	06	0835			T8WH		BC		A3E	134	E	32	07	N	29	192	A	11	
J	TOKYO	9969.970	06	04	0514			SOUND OF HOPE		BC		A3E	121	E	00	24	N	31	241	B	11	TAIWAN
J	TOKYO	9969.970	10	05	0644			SOUND OF HOPE		BC		A3E	121	E	17	24	N	49	242	B	11	TAIWAN
J	TOKYO	9969.970	02	06	0015			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9969.970	28	06	0636			SOUND OF HOPE		BC		A3E	121	E	07	24	N	41	242	B	11	TAIWAN
KOR	CRMS	9970.000	18	04	0045	0045	-12.8		CHN	BC		A3E									11	
J	TOKYO	9970.000	02	05	0851			CHINA N.R.		BC		A3E							276	C	11	
KOR	CRMS	9970.000	11	05	0645	0645	-11.0		CHN	BC		A3E									11	
KOR	CRMS	9970.000	08	06	0833	0833	36.1		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
D	KREFELD	9975.000	05	04	1200	1230		K.T.W.R	USA	BC	10K0	A3E							45			AGANA
D	KREFELD	9975.000	05	04	1300	1345		K.T.W.R	USA	BC	10K0	A3E							45			AGANA
J	TOKYO	9975.000	06	04	0515				USA	BC		A3E	116	W	55	35	N	21	54	A		
D	KREFELD	9980.000	05	04	1105	1300			CHN	BC	10K0	A3E							63			
J	TOKYO	9982.000	28	06	0638				USA			F3C	155	W	44	19	N	46	87	B		HWA
J	TOKYO	9982.490	09	06	1044							F3C							86	A		
J	TOKYO	9984.930	02	06	0017			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	9984.930	09	06	1045			SOUND OF HOPE		BC		A3E									11	
HNG	TARNOK	9989.998	03	06	1500	1900	38.1	R.FREE ASIA	USA	BC	10K3	A3E										
D	KREFELD	9996.000	05	04	0000	2400		RWM	RUS	SS	100H	A1A							60			
HNG	TARNOK	9996.000	03	06	1150	2400	24.0	RWM	RUS	SS	100HE	A1A										
J	TOKYO	10000.000	06	04	0519			BPM		SS		AXW	109	E	04	33	N	58	275	B		
J	TOKYO	10000.000	06	04	0519			WWVH		SS		AXW							88	B		
J	TOKYO	10000.000	06	04	0519			WWV		SS		AXW										
J	TOKYO	10000.000	13	04	0209			BPM		SS		AXW										
J	TOKYO	10000.000	13	04	0209			WWVH		SS		AXW										
J	TOKYO	10000.000	19	04	0025			BPM		SS		AXW	109	E	05	34	N	16	276	A		
J	TOKYO	10000.000	02	05	0759			WWVH		SS		AXW										
J	TOKYO	10000.000	02	05	0759			BPM		SS		AXW										
J	TOKYO	10000.000	10	05	0647			WWVH		SS		AXW							87	B		
J	TOKYO	10000.000	10	05	0647			WWV		SS		AXW										
J	TOKYO	10000.000	10	05	0659			BPM		SS		AXW										
J	TOKYO	10000.000	17	05	0459			WWVH		SS		AXW										
J	TOKYO	10000.000	17	05	0459			BPM		SS		AXW										
J	TOKYO	10000.000	26	05	0219			BPM		SS		AXW							276	D		
J	TOKYO	10000.000	02	06	0025			BPM		SS		AXW	109	E	04	34	N	27	277	A		
HNG	TARNOK	10000.000	03	06	1150	2400	29.9	WWVH	USA	SS	500H	AXW										
J	TOKYO	10000.000	09	06	1048			WWVH		SS		AXW										
J	TOKYO	10000.000	09	06	1048			BPM		SS		AXW										
J	TOKYO	10000.000	21	06	0846			WWVH		SS		AXW	156	W	21	20	N	46	86	B		
J	TOKYO	10000.000	28	06	0639			WWVH		SS		AXW										
J	TOKYO	10000.000	28	06	0639			BPM		SS		AXW										
D	KREFELD	10069.000	08	04	0600	0700			RUS	LR	14K0	P0N							70			MORDOVIA
J	TOKYO	10076.700	19	04	0033				CHN			A1A	121	E	34	31	N	15	259	B		
J	TOKYO	10076.700	09	06	1051							A1A										
J	TOKYO	10076.810	13	04	0211				CHN				120	E	53	31	N	30	201	B		
D	KREFELD	10082.440	08	04	0000	2400		HFD07	POL	FX	2K90	G1D							285			SHANNON-URLANMORE
J	TOKYO	10084.000	02	05	0858			AUCKLAND		FA		J2D										
HNG	TARNOK	10100.800	05	06	0000	2400	18.1	DDH HAMBURG	D	FC	700H	F1B										450HZ 100BD

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	10105.980	05	06	1946	1955	23.0	GB70E	G	AT	100HE	A1A										
HNG	TARNOK	10106.970	05	06	2015	2019	21.5	F5PEZ	F	AT	100HE	A1A										
J	TOKYO	10107.300	21	06	0853				PHL			J2D	120	E	53	18	N	07	230	B		
HNG	TARNOK	10114.000	05	06	1802	1827	31.7	SG5JUP	S	AT	100HE	A1A										
HNG	TARNOK	10115.000	05	06	0413	0420	28.2	OV1CDX	DNK	AT	100HE	A1A										
HNG	TARNOK	10119.950	05	06	0010	0016	48.4	MQ0NGN	G	AT	100HE	A1A										
HNG	TARNOK	10123.400	05	06	1810	1827	24.0	RN9J	RUS	AT	100HE	A1A										
HNG	TARNOK	10125.000	05	06	1935	1940	24.0	SV2BBK	GRC	AT	100HE	A1A										
J	TOKYO	10135.000	09	06	1053				RUS			F1B	139	E	29	48	N	33	358	B		
J	TOKYO	10135.000	28	06	0654							F1B										
J	TOKYO	10136.160	26	05	0227				RUS			F1B	140	E	00	48	N	39	259	B		
J	TOKYO	10136.170	02	06	0028				RUS			F1B	139	E	58	49	N	12	0	A		
HNG	TARNOK	10137.500	05	06	0500	2400	38.4				50H0	F7B										FT8
HNG	TARNOK	10137.865	05	06	0032	0033	39.9	IK2GEY	I	AT	50H0	F7B										FT8
HNG	TARNOK	10145.000	05	06	0722	0900	30.6				290H	F1B										160Hz
HNG	TARNOK	10145.000	05	06	1627	2400	29.4				290H	F1B										160Hz
J	TOKYO	10159.880	21	06	0907			SOUND OF HOPE		BC		A3E	121	E	27	24	N	38	241	B	11	TAIWAN
J	TOKYO	10159.880	28	06	0658			SOUND OF HOPE		BC		A3E										
J	TOKYO	10159.890	10	05	0654			SOUND OF HOPE		BC		A3E	120	E	13	23	N	19	240	A	11	TAIWAN
J	TOKYO	10159.890	26	05	0232			SOUND OF HOPE		BC		A3E	120	E	45	23	N	48	240	B	11	TAIWAN
J	TOKYO	10159.890	02	06	0030			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10159.890	09	06	1057			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10159.900	17	05	0442			SOUND OF HOPE		BC		A3E	120	E	45	22	N	42	239	B	11	TAIWAN
KOR	CRMS	10160.000	01	04	0643	0643	-2.9		CHN	BC		A3E									11	
KOR	CRMS	10160.000	24	05	0839	0839	30.0		CHN	BC		A3E									11	
KOR	CRMS	10160.000	03	06	0730	0730	7.1		CHN	BC		A3E									11	
J	TOKYO	10160.010	06	04	0526			SOUND OF HOPE		BC		A3E	127	E	45	36	N	23	278	A	11	KOR
J	TOKYO	10160.030	13	04	0218			SOUND OF HOPE		BC		A3E	128	E	20	36	N	25	279	B	11	KOR
J	TOKYO	10160.030	19	04	0038			SOUND OF HOPE		BC		A3E	128	E	39	36	N	23	278	B	11	KOR
J	TOKYO	10191.990	26	05	0238				RUS			F1B	132	E	57	42	N	54	324	A		
J	TOKYO	10191.990	02	06	0033				RUS			F1B	132	E	51	42	N	57	323	A		
J	TOKYO	10192.000	06	04	0527				RUS			F1B	132	E	36	43	N	11	324	B		
J	TOKYO	10192.000	13	04	0219				RUS			F1B	132	E	32	43	N	02	323	B		
J	TOKYO	10192.000	19	04	0041				RUS			F1B	132	E	49	42	N	57	323	A		
J	TOKYO	10192.000	10	05	0657				RUS			F1B	131	E	50	43	N	27	322	A		
J	TOKYO	10192.000	28	06	0702				RUS			F1B	131	E	57	44	N	02	325	B		
J	TOKYO	10201.000	10	05	0703				CHN			A1A	118	E	45	33	N	19	269	B		
J	TOKYO	10243.010	06	04	0531				RUS			A1A	136	E	56	50	N	08	351	B		
J	TOKYO	10249.990	10	05	0708							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	10250.000	02	06	0036				RUS			F1B	136	E	47	50	N	12	352	A		
J	TOKYO	10250.000	09	06	1103				RUS			F1B	136	E	57	50	N	26	352	A		
J	TOKYO	10250.000	28	06	0704							F1B										
J	TOKYO	10284.030	13	04	0221							A1A										
HNG	TARNOK	10314.000	07	06	0250	0300	53.9				2K00E	F0N										OTHR
J	TOKYO	10335.750	26	05	0244				RUS				136	E	38	48	N	16	348	B		
J	TOKYO	10335.800	02	06	0039				RUS				136	E	42	48	N	16	349	A		
J	TOKYO	10335.800	09	06	1106				RUS				136	E	32	48	N	20	349	A		
J	TOKYO	10336.000	21	06	0916				RUS			J2D	136	E	39	47	N	58	348	A		
J	TOKYO	10336.020	28	06	0705				RUS				147	E	05	49	N	09	347	B		
J	TOKYO	10340.000	10	05	0710				CHN			J3E	118	E	52	25	N	33	247	B		
J	TOKYO	10348.000	21	06	0917				CHN			A1A	112	E	40	24	N	24	252	B		
HNG	TARNOK	10361.700	07	06	0734	0813	18.5				3K00E	G1D										STANAG 4285
J	TOKYO	10366.200	09	06	1110														175	B		
J	TOKYO	10377.750	17	05	0450				RUS				137	E	48	45	N	50	348	A		
J	TOKYO	10377.980	10	05	0714				RUS			J2D	136	E	39	48	N	26	349	A		
J	TOKYO	10421.000	21	06	0920				CHN			A1A	111	E	26	23	N	41	252	A		
HNG	TARNOK	10425.050	07	06	0303	0305	20.6				100HE	A1A										
J	TOKYO	10426.100	09	06	1111														174	B		
J	TOKYO	10427.000	02	06	0041				CHN			A1A	114	E	04	31	N	46	267	A		
J	TOKYO	10430.000	06	04	0535				USA			F1B	117	E	53	37	N	39	52	A		
J	TOKYO	10430.000	10	05	0717				USA			F1B	116	E	03	38	N	40	51	B		
J	TOKYO	10430.000	17	05	0454				USA			F1B	121	W	49	36	N	30	55	B		
J	TOKYO	10430.000	09	06	1112														55	A		
J	TOKYO	10430.000	21	06	0923				USA			F1B	122	W	38	46	N	16	47	B		
J	TOKYO	10430.000	28	06	0706				RUS			F1B							55	C		
HNG	TARNOK	10439.611	07	06	0306	2400	35.8				3K00E	G1D										STANAG 4285
J	TOKYO	10545.000	06	04	0421				RUS			J3E	132	E	04	43	N	14	322	A		
J	TOKYO	10555.000	18	04	2348			VMW				F3C							200	B		
J	TOKYO	10555.000	02	05	0649				AUS			F3C	118	E	50	22	S	52	202	B		
J	TOKYO	10570.000	18	04	2349				CHN				110	E	03	40	N	14	290	B		
J	TOKYO	10596.900	09	06	1003				AUS			J2B	143	E	23	29	S	25	177	A		
J	TOKYO	10652.990	13	04	0136				RUS			F1B	135	E	04	48	N	22	344	A		
J	TOKYO	10653.000	06	04	0440				RUS				135	E	25	48	N	06	344	A		
J	TOKYO	10653.000	02	05	0754				RUS			F1B	133	E	34	49	N	18	342	B		
J	TOKYO	10655.000	09	06	1007				CHN			J3E	119	E	10	26	N	33	249	B		
HNG	TARNOK	10680.000	09	06	1458	1528	33.6				20K0E	F0N										OTHR
J	TOKYO	10691.000	06	04	0451				CHN			J3E	115	E	04	39	N	32	289	B		
HNG	TARNOK	10700.000	09	06	0503	0520	20.3				12K0E	F0N										OTHR

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	10700.000	09	06	0648	0930	22.3				16K0E	F0N										OTHR
HNG	TARNOK	10700.000	09	06	1410	1453	26.2				20K0E	F0N										OTHR
HNG	TARNOK	10712.093	09	06	0000	0540	25.1				100HE	A1A										
HNG	TARNOK	10720.000	09	06	1000	1020	22.4				10K0E	F0N										OTHR
HNG	TARNOK	10762.000	09	06	0735	0855	22.6				300HE	F1B										200HZ
J	TOKYO	10806.000	21	06	0802				CHN			J3E	120	E	01	29	N	57	257	B		
J	TOKYO	10819.860	10	05	0607			SOUND OF HOPE		BC		A3E	121	E	20	25	N	02	242	B	11	TAIWAN
J	TOKYO	10819.860	09	06	1010			SOUND OF HOPE		BC		A3E	121	E	42	24	N	58	241	B	11	TAIWAN
J	TOKYO	10819.860	21	06	0811			SOUND OF HOPE		BC		A3E	121	E	29	25	N	02	242	B	11	TAIWAN
J	TOKYO	10819.870	06	04	0457			SOUND OF HOPE		BC		A3E	121	E	01	24	N	52	242	B	11	TAIWAN
J	TOKYO	10819.870	13	04	0140			SOUND OF HOPE		BC		A3E	120	E	53	23	N	59	241	A	11	TAIWAN
J	TOKYO	10819.870	18	04	2349			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10819.870	17	05	0418			SOUND OF HOPE		BC		A3E	120	E	33	23	N	21	240	A	11	TAIWAN
J	TOKYO	10819.870	26	05	0133			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10819.870	01	06	2348			SOUND OF HOPE		BC		A3E	121	E	07	24	N	31	241	A	11	TAIWAN
J	TOKYO	10819.880	02	05	0757			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	10820.000	06	04	0049	0049	0.6		CHN	BC		A3E									11	
KOR	CRMS	10820.000	02	05	0425	0425	-4.7		CHN	BC		A3E									11	
KOR	CRMS	10820.000	03	06	0730	0730	2.0		CHN	BC		A3E									11	
J	TOKYO	10835.000	28	06	0624				RUS				102	E	05	52	N	58	315	B		
J	TOKYO	10837.000	09	06	1012							J3E										
J	TOKYO	10850.750	28	06	0631				CHN				118	E	38	31	N	47	263	B		
J	TOKYO	10853.000	28	06	0631							A1A							273	D		
J	TOKYO	10869.860	10	05	0611			SOUND OF HOPE		BC		A3E	121	E	01	23	N	32	239	B	11	TAIWAN
J	TOKYO	10869.860	28	06	0636			SOUND OF HOPE		BC		A3E	120	E	18	22	N	54	239	B	11	TAIWAN
J	TOKYO	10869.870	26	05	0134			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10869.870	01	06	2353			SOUND OF HOPE		BC		A3E	120	E	50	22	N	27	237	A	11	TAIWAN
J	TOKYO	10869.870	09	06	1013			SOUND OF HOPE		BC		A3E	121	E	25	23	N	57	240	B	11	TAIWAN
J	TOKYO	10869.880	06	04	0509			SOUND OF HOPE		BC		A3E	120	E	36	23	N	09	239	B	11	TAIWAN
J	TOKYO	10869.890	18	04	2355			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10869.890	02	05	0759			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	10870.000	22	04	0610	0610	22.3		CHN	BC		A3E									11	
KOR	CRMS	10870.000	26	05	0435	0435	17.9		CHN	BC		A3E									11	
J	TOKYO	10872.200	06	04	0512			F				A1A	132	E	59	42	N	58	322	B		
J	TOKYO	10872.200	13	04	0147			F				A1A	132	E	51	42	N	49	323	B		
J	TOKYO	10872.200	18	04	2359			F				A1A							323	A		
J	TOKYO	10872.200	26	05	0135			F				A1A	132	E	31	43	N	09	324	A		
J	TOKYO	10872.300	01	06	2355			K				A1A	153	E	19	53	N	11	30	B		
J	TOKYO	10872.300	09	06	1016			K				A1A	158	E	31	53	N	27	29	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	10872.300	21	06	0814			K				A1A	158	E	21	53	N	13	30	B		
J	TOKYO	10872.300	28	06	0639			K				A1A							30	D		
J	TOKYO	10872.390	06	04	0512			M				A1A	139	E	52	52	N	47	359	B		
J	TOKYO	10872.390	19	04	0000			M				A1A							0	B		
J	TOKYO	10872.390	26	05	0136			M				A1A							358	B		
J	TOKYO	10872.390	09	06	1017			M				A1A	140	E	15	53	N	36	359	B		
J	TOKYO	10889.500	19	04	0005			F				A1A							325	A		
J	TOKYO	10890.000	19	04	0003														306	A		
J	TOKYO	10891.650	06	04	0520			F				A1A	132	E	54	42	N	57	323	B		
J	TOKYO	10891.700	13	04	0150			F				A1A	132	E	41	42	N	51	323	B		
J	TOKYO	10892.670	26	05	0139			F				A1A	132	E	41	43	N	07	323	A		
J	TOKYO	10892.720	02	05	0807			F				A1A	132	E	11	43	N	20	323	B		
HNG	TARNOK	10900.000	11	06	1538	1543	26.1				4K00E	F0N										OTHR
J	TOKYO	10908.980	26	05	0141				RUS			F1B	140	E	06	49	N	26	359	A		
KOR	CRMS	10920.000	01	04	0643	0643	6.7		CHN	BC		A3E									11	
KOR	CRMS	10920.000	02	05	0426	0426	4.2		CHN	BC		A3E									11	
KOR	CRMS	10920.000	10	06	0619	0619	10.2		CHN	BC		A3E									11	
J	TOKYO	10920.100	06	04	0524			SOUND OF HOPE		BC		A3E	127	E	06	36	N	19	275	B	11	KOR
J	TOKYO	10920.100	13	04	0154			SOUND OF HOPE		BC		A3E	127	E	27	36	N	13	277	A	11	KOR
J	TOKYO	10920.100	19	04	0008			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10920.100	02	05	0809				KOR	BC		A3E	127	E	51	35	N	21	272	B		
J	TOKYO	10920.100	10	05	0612			SOUND OF HOPE		BC		A3E	128	E	00	35	N	22	272	B	11	KOR
J	TOKYO	10920.100	17	05	0424			SOUND OF HOPE		BC		A3E	128	E	02	35	N	19	272	A	11	KOR
J	TOKYO	10920.100	26	05	0142			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10920.100	09	06	1020			SOUND OF HOPE		BC		A3E	128	E	51	35	N	27	273	B	11	KOR
J	TOKYO	10920.100	28	06	0643			SOUND OF HOPE		BC		A3E	128	E	07	35	N	55	257	B	11	KOR
J	TOKYO	10939.920	10	05	0613			SOUND OF HOPE		BC		A3E	121	E	34	24	N	14	240	B	11	TAIWAN
J	TOKYO	10939.920	02	06	0001			SOUND OF HOPE		BC		A3E	120	E	59	24	N	24	241	A	11	TAIWAN
J	TOKYO	10939.920	28	06	0646			SOUND OF HOPE		BC		A3E	121	E	25	24	N	08	240	B	11	TAIWAN
J	TOKYO	10939.930	17	05	0427			SOUND OF HOPE		BC		A3E	121	E	15	24	N	35	241	A	11	TAIWAN
J	TOKYO	10939.940	02	05	0810				CHN	BC		A3E	121	E	06	25	N	01	243	B		TAIWAN
HNG	TARNOK	10948.000	11	06	1553	1608	36.1				20K0E	F0N										OTHR
HNG	TARNOK	10954.000	11	06	1650	1720	30.4				10K0E	F0N										OTHR
J	TOKYO	10954.930	10	05	0614				RUS				111	E	36	51	N	43	316	B		
HNG	TARNOK	10959.200	11	06	1950	2000	31.3				10K0E	F0N										OTHR
J	TOKYO	10959.710	10	05	0615			SOUND OF HOPE		BC		A3E	121	E	17	23	N	53	240	B	11	TAIWAN
J	TOKYO	10959.710	09	06	1023			SOUND OF HOPE		BC		A3E	120	E	16	23	N	05	240	B	11	TAIWAN
J	TOKYO	10959.710	21	06	0821			SOUND OF HOPE		BC		A3E	121	E	34	24	N	51	241	B	11	TAIWAN
J	TOKYO	10959.710	28	06	0649			SOUND OF HOPE		BC		A3E	120	E	48	23	N	03	239	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	10959.720	13	04	0200			SOUND OF HOPE		BC		A3E	129	E	23	26	N	40	239	A	11	TAIWAN
J	TOKYO	10959.730	06	04	0530					BC		A3E	120	E	35	22	N	45	239	B		
J	TOKYO	10959.730	26	05	0145			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	10959.740	02	05	0810				CHN	BC		A3E	121	E	16	24	N	58	242	B		TAIWAN
KOR	CRMS	10960.000	07	04	0452	0452	-12.2		CHN	BC		A3E									11	
KOR	CRMS	10960.000	21	06	0613	0613	21.0		CHN	BC		A3E									11	
HNG	TARNOK	10971.000	11	06	0428	0442	28.6				8K50	F0N										OTHR
HNG	TARNOK	11000.000	11	06	1050	1120	25.5				100H	A1A										
HNG	TARNOK	11007.800	11	06	0000	0700	21.0				2K80	G1D										STANAG 4285
HNG	TARNOK	11007.800	11	06	1040	2400	14.5				3K00E	G1D										STANAG 4285
J	TOKYO	11012.850	02	05	0811				RUS				101	E	57	52	N	57	315	B		
HNG	TARNOK	11039.000	11	06	0000	0600	40.5	DDH9	D	FC	600H	F1B										450HZ / 50BD
HNG	TARNOK	11039.000	11	06	0700	2400	42.7	DDH9	D	FC	600H	F1B										450HZ / 50BD
J	TOKYO	11069.950	10	05	0616			SOUND OF HOPE		BC		A3E	121	E	31	24	N	05	240	B	11	TAIWAN
J	TOKYO	11069.950	26	05	0147			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11069.950	02	06	0005			SOUND OF HOPE		BC		A3E	121	E	32	24	N	29	240	A	11	TAIWAN
J	TOKYO	11069.950	09	06	1025			SOUND OF HOPE		BC		A3E	121	E	12	23	N	28	239	B	11	TAIWAN
J	TOKYO	11069.950	21	06	0840				CHN	BC		A3E	121	E	26	25	N	07	242	B		TAIWAN
J	TOKYO	11069.950	28	06	0659			SOUND OF HOPE		BC		A3E	120	E	26	23	N	53	241	B	11	TAIWAN
J	TOKYO	11069.960	06	04	0535			SOUND OF HOPE		BC		A3E	121	E	10	24	N	12	241	B	11	TAIWAN
J	TOKYO	11069.960	19	04	0010			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11069.960	02	05	0817				CHN	BC		A3E	121	E	02	24	N	53	242	B		TAIWAN
J	TOKYO	11069.960	17	05	0430			SOUND OF HOPE		BC		A3E	121	E	10	23	N	55	240	B	11	TAIWAN
KOR	CRMS	11070.000	26	04	0617	0617	22.0		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11070.000	28	04	0003	0006	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	11070.000	30	05	0534	0534	26.6		CHN	BC		A3E									11	
KOR	CRMS	11070.000	21	06	0613	0613	18.3		CHN	BC		A3E									11	
HNG	TARNOK	11083.000	11	06	0413	0426	33.1				300H	A1A										
HNG	TARNOK	11088.000	11	06	1820	2000	33.9				400H	F1B										200HZ / 50BD
J	TOKYO	11090.000	06	04	0541			KVM70				F3C	158	W	29	21	N	14	87	A		
INS	MSKH-KUPANG	11090.000	21	04	0540	0543	2.1	KVM	USA	FX	2K00E	F1C										STATION HONOLULU, HAWAII (WEATHER FAX)
J	TOKYO	11090.000	02	05	0818				USA			F3C	155	W	44	19	N	48	87	B		HWA
J	TOKYO	11090.000	10	05	0617				USA			F3C	157	W	58	21	N	37	87	B		HWA
HNG	TARNOK	11096.000	11	06	0400	0630	34.6				1K30	G1D										STANAG 4285
HNG	TARNOK	11096.020	11	06	1500	1600	26.2				1K30	G1D										STANAG 4285
J	TOKYO	11100.000	06	04	0551			SOUND OF HOPE		BC		A3E	120	E	57	24	N	17	241	B		
KOR	CRMS	11100.000	08	04	0527	0527	-6.3		CHN	BC		A3E									11	
J	TOKYO	11100.000	13	04	0208			SOUND OF HOPE		BC		A3E	121	E	29	24	N	44	241	A	11	TAIWAN
J	TOKYO	11100.000	19	04	0012			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
INS	MSPA-SAMARINDA	11100.000	28	04	0009	0013	43.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	11100.000	10	05	0618			SOUND OF HOPE		BC		A3E	121	E	37	25	N	01	242	B	11	TAIWAN
KOR	CRMS	11100.000	26	05	0435	0435	24.7		CHN	BC		A3E									11	
J	TOKYO	11100.000	02	06	0008			SOUND OF HOPE		BC		A3E	121	E	15	24	N	20	241	A	11	TAIWAN
J	TOKYO	11100.000	09	06	1030				CHN	BC		A3E	121	E	05	24	N	56	242	B		TAIWAN
J	TOKYO	11100.010	17	05	0436			SOUND OF HOPE		BC		A3E	121	E	05	24	N	47	242	B	11	TAIWAN
J	TOKYO	11100.010	26	05	0151			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11100.020	02	05	0819				CHN	BC		A3E	121	E	04	25	N	01	243	B		TAIWAN
J	TOKYO	11104.000	13	04	0213				RUS			F1B	131	E	57	43	N	25	323	A		
J	TOKYO	11104.000	02	05	0820				RUS			F1B	132	E	13	43	N	22	323	B		
KOR	CRMS	11120.000	08	04	0527	0527	-4.9		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11120.000	28	04	0015	0017	43.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	11120.000	10	05	0623	0623	-5.2		CHN	BC		A3E									11	
KOR	CRMS	11120.000	10	06	0620	0620	0.7		CHN	BC		A3E									11	
J	TOKYO	11120.000	28	06	0708			SOUND OF HOPE		BC		A3E	121	E	05	23	N	39	239	B	11	TAIWAN
J	TOKYO	11120.010	09	06	1033			SOUND OF HOPE		BC		A3E	120	E	35	23	N	39	240	B	11	TAIWAN
J	TOKYO	11120.020	17	05	0438			SOUND OF HOPE		BC		A3E	121	E	20	23	N	48	239	B	11	TAIWAN
J	TOKYO	11120.030	02	05	0826				CHN	BC		A3E	121	E	15	25	N	02	242	B		TAIWAN
HNG	TARNOK	11130.999	11	06	1548	1608	33.6				12K0E	F0N										OTHR
J	TOKYO	11143.200	09	06	1035				AUS			J2B	113	E	41	22	S	34	207	B		
J	TOKYO	11146.800	09	06	1035				AUS			J2B	114	E	01	22	S	52	207	A		
HNG	TARNOK	11148.000	11	06	1759	1810	18.4				10K0E	F0N										OTHR
J	TOKYO	11149.880	02	06	0012			SOUND OF HOPE		BC		A3E	120	E	13	22	N	45	239	A	11	TAIWAN
J	TOKYO	11149.880	09	06	1036			SOUND OF HOPE		BC		A3E	121	E	20	24	N	35	241	B	11	TAIWAN
J	TOKYO	11149.880	28	06	0713			SOUND OF HOPE		BC		A3E	120	E	13	23	N	10	240	B	11	TAIWAN
J	TOKYO	11149.890	26	05	0155			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11149.910	02	05	0827				CHN	BC		A3E	121	E	15	23	N	58	240	B		TAIWAN
J	TOKYO	11149.920	19	04	0014			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	11150.000	26	04	0618	0618	23.4		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11150.000	28	04	0018	0019	44.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	11150.000	09	05	0530	0530	-7.6		CHN	BC		A3E									11	
KOR	CRMS	11150.000	28	06	0610	0610	21.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11170.000	28	04	0021	0022	42.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	11170.090	13	04	0216			SOUND OF HOPE		BC		A3E	121	E	27	24	N	49	241	A	11	TAIWAN
J	TOKYO	11170.090	19	04	0014			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11170.090	10	05	0619			SOUND OF HOPE		BC		A3E	121	E	22	24	N	55	242	B	11	TAIWAN
J	TOKYO	11170.090	26	05	0157			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11170.090	02	06	0017			SOUND OF HOPE		BC		A3E	121	E	25	24	N	15	240	A	11	TAIWAN
J	TOKYO	11170.090	21	06	0846				CHN	BC		A3E	121	E	26	25	N	07	242	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	11170.090	28	06	0716			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11170.100	02	05	0827				CHN	BC		A3E	120	E	37	24	N	17	242	B		TAIWAN
J	TOKYO	11170.100	17	05	0442			SOUND OF HOPE		BC		A3E	120	E	48	23	N	48	240	B	11	TAIWAN
INS	MSPA-SAMARINDA	11175.000	25	04	0030	0032	43.9	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11175.000	25	04	0433	0435	43.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	11177.000	10	05	0620				USA			F1B	144	E	42	13	N	25	169	B		GUM
J	TOKYO	11235.190	10	05	0624							A1A										
INS	MSKH-KUPANG	11253.000	13	05	0825	0830	1.1	MKL	G	FA	2K80E	J3E										MILITARY ONE VOLMET
HNG	TARNOK	11297.000	13	06	0225	0230	22.8		RUS	FA	3K30E	J3E										USB VOLMET
J	TOKYO	11306.000	02	05	0832			GUAM		FA		J2D										
J	TOKYO	11306.000	10	05	0635			GUAM		FA		J2D										
J	TOKYO	11306.000	26	05	0206			GUAM		FA		J2D										
J	TOKYO	11306.000	02	06	0022			GUAM		FA		J2D										
I	ROMA	11309.000	01	04	1330		4.0	SHANWICK	IRL	FA	2K70E	J3E										
INS	MSKH-KUPANG	11309.000	14	06	0704	0707	7.0	MAKASAR INFO	INS	FA	2K80E	J3E										
HNG	TARNOK	11309.999	13	06	1900	2005	24.3				11K8	A3E										
J	TOKYO	11312.000	02	05	0833			MOLOKAI		FA		J2D										
J	TOKYO	11312.000	10	05	0636			MOLOKAI		FA		J2D										
J	TOKYO	11312.000	17	05	0445			MOLOKAI		FA		J2D										
J	TOKYO	11312.000	09	06	1100			MOLOKAI		FA		J2D										
J	TOKYO	11312.000	21	06	0907			MOLOKAI		FA		J2D										
INS	MSPA-SAMARINDA	11318.000	25	05	0321	0324	46.6	VOLMET			2K70E	J3E										
INS	MSPA-SAMARINDA	11318.000	30	05	0233	0234	44.7	VOLMET			2K70E	J3E										
J	TOKYO	11320.190	19	04	0016			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	11330.000	25	05	0324	0327	48.2	MWARA	J	FD	2K70E	J3E										TOKYO
INS	MSPA-SAMARINDA	11330.000	30	05	0236	0238	45.4	MWARA	J	FD	2K70E	J3E										TOKYO
I	ROMA	11345.000	01	04	1336	1339	14.0	STOCKHOLM RADIO	S	FA	2K70E	J3E							3	A		
D	KREFELD	11363.000	13	06	1256	1310			RUS	LR	14K0	P0N							69			MORDOVIA
D	KREFELD	11364.000	14	06	1113	1128			RUS	LR	10K0E	P0N							69			
D	KREFELD	11364.000	14	06	1157	1211			RUS	LR	10K0E	P0N							69			
D	KREFELD	11384.000	14	06	1324	1407			RUS	LR	14K0	P0N							69			A SAMARA
INS	MSKH-KUPANG	11387.000	15	04	0451	0453	16.6	VKA-931	AUS	FA	2K80E	J3E										AUSTRALIAN VOLMET STATION
INS	MSPA-SAMARINDA	11387.000	27	04	0118	0119	52.8	Mumbai Volmat	CHN	MR	2K70E	J3E										Canghi Singapor
INS	MSKH-KUPANG	11387.000	13	05	0840	0845	25.5	HSD	THA	FA	2K80E	J3E										BANGKOK VOLMET
INS	MSPA-SAMARINDA	11387.000	25	05	0335	0340	50.5	9VA-43 SINGAPORE VOLMET	SNG	FD	2K70E	J3E										
INS	MSPA-SAMARINDA	11387.000	30	05	0243	0245	48.9	AWB MUMBAI VOLMET	IND	FD	2K70E	J3E										
INS	MSKH-KUPANG	11387.000	21	06	0720	0725	9.9	VOLMET BROADCASTS	AUS	FA	2K80E	J3E										INFO PENERBANGAN
D	KREFELD	11388.400	13	06	0335	0535			USA	FX	2K80	J7D							292			RIVERSIDE NY
D	KREFELD	11388.400	14	06	0335	0535			USA	FX	2K80	J7D							292			RIVERSIDE NY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KREFELD	11388.400	15	06	0335	0535			USA	FX	2K80	J7D							292			RIVERSIDE NY
J	TOKYO	11392.030	19	04	0020			CHINA N.R.		BC		A3E							248		11	
D	KREFELD	11395.000	14	06	0904	0919			RUS	LR	10K0E	P0N							70			
J	TOKYO	11409.980	09	06	1046			SOUND OF HOPE		BC		A3E	106	E	17	47	N	40	306	B	11	MNG
J	TOKYO	11409.980	21	06	0918				MNG	BC		A3E	106	E	54	47	N	58	307	B		
KOR	CRMS	11410.000	08	04	0527	0527	-5.5		CHN	BC		A3E									11	
J	TOKYO	11410.000	13	04	0221			CHINA N.R.		BC		A3E	119	E	17	26	N	24	249	A	11	
J	TOKYO	11410.000	19	04	0025			CHINA N.R.		BC		A3E							247		11	
INS	MSPA-SAMARINDA	11410.000	27	04	0120	0123	43.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	11410.000	29	06	0103	0103	21.2		CHN	BC		A3E									11	
J	TOKYO	11410.020	02	05	0835				MNG	BC		A3E	106	E	56	48	N	19	308	B		
INS	MSKH-KUPANG	11420.000	14	06	0711	0714	7.9	OM LEO DI PURWORWERJO	INS	FX	2K80E	J3E										INDONESIA LANGUAGE
J	TOKYO	11429.000	17	05	0450				CHN			A1A	103	E	06	24	N	24	264	B		
J	TOKYO	11439.880	10	05	0642			SOUND OF HOPE		BC		A3E	120	E	28	23	N	29	240	B	11	TAIWAN
J	TOKYO	11439.880	26	05	0209			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11439.880	02	06	0027			SOUND OF HOPE		BC		A3E	120	E	35	22	N	42	238	A	11	TAIWAN
J	TOKYO	11439.880	21	06	0922				CHN	BC		A3E	121	E	07	24	N	53	242	B		TAIWAN
J	TOKYO	11439.900	09	06	1047			SOUND OF HOPE		BC		A3E	121	E	02	24	N	49	242	B	11	TAIWAN
J	TOKYO	11439.920	02	05	0836				CHN	BC		A3E	121	E	17	25	N	04	242	B		TAIWAN
J	TOKYO	11439.940	19	04	0026			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	11440.000	05	04	0521	0521	-10.6		CHN	BC		A3E									11	
KOR	CRMS	11440.000	25	05	0038	0038	24.9		CHN	BC		A3E									11	
KOR	CRMS	11440.000	22	06	0011	0011	20.2		CHN	BC		A3E									11	
D	KREFELD	11445.000	11	04	0944	0958			RUS	LR	12K0	P0N							69			MORDOVIA
J	TOKYO	11455.000	09	06	1051			CHINA N.R.		BC		A3E	107	E	28	34	N	49	277	B	11	
D	KREFELD	11457.000	11	04	0000	2400			NOR	FX	3K00E	G1D							331			HAAKONSVERN
KOR	CRMS	11460.000	22	04	0612	0612	19.7		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11460.000	26	04	0310	0313	43.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11460.000	26	04	2315	2319	42.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	11460.000	25	05	0038	0038	22.3		CHN	BC		A3E									11	
KOR	CRMS	11460.000	22	06	0017	0017	19.4		CHN	BC		A3E									11	
J	TOKYO	11460.090	10	05	0642			SOUND OF HOPE		BC		A3E	120	E	34	25	N	02	242	B	11	TAIWAN
J	TOKYO	11460.090	26	05	0210			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11460.090	02	06	0030			SOUND OF HOPE		BC		A3E	121	E	27	24	N	34	240	A	11	TAIWAN
J	TOKYO	11460.090	21	06	0927				CHN	BC		A3E	121	E	15	24	N	58	242	B		TAIWAN
J	TOKYO	11460.090	28	06	0728				CHN	BC		A3E	120	E	43	24	N	17	241	B		TAIWAN
J	TOKYO	11460.100	13	04	0224			SOUND OF HOPE		BC		A3E	121	E	12	24	N	33	241	A	11	TAIWAN
J	TOKYO	11460.100	09	06	1052			SOUND OF HOPE		BC		A3E	121	E	15	24	N	31	241	B	11	TAIWAN
J	TOKYO	11460.110	19	04	0028			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	11460.120	17	05	0500			SOUND OF HOPE		BC		A3E	121	E	07	23	N	37	239	A	11	TAIWAN
J	TOKYO	11460.130	02	05	0837				CHN	BC		A3E	120	E	55	24	N	43	242	B		TAIWAN
J	TOKYO	11470.000	28	06	0731				RUS			F1B	114	E	52	50	N	49	317	B		
D	KREFELD	11490.000	11	04	0600	0845			RUS	FX	700H	F1B							65			KALININGRAD
J	TOKYO	11499.980	02	06	0035			SOUND OF HOPE		BC		A3E	121	E	32	25	N	01	242	A	11	TAIWAN
J	TOKYO	11499.980	21	06	0930				CHN	BC		A3E	121	E	25	25	N	02	242	B		TAIWAN
J	TOKYO	11499.980	28	06	0735				CHN	BC		A3E	121	E	17	25	N	04	243	B		TAIWAN
J	TOKYO	11499.990	26	05	0211			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11499.990	09	06	1055			SOUND OF HOPE		BC		A3E	120	E	53	24	N	20	241	B	11	TAIWAN
J	TOKYO	11500.000	19	04	0030			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	11500.000	25	04	0428	0428	20.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11500.000	26	04	0313	0317	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11500.000	26	04	2319	2322	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	11500.000	02	05	0837				CHN	BC		A3E	120	E	47	24	N	29	242	B		TAIWAN
J	TOKYO	11500.000	17	05	0505			SOUND OF HOPE		BC		A3E	121	E	22	23	N	59	240	A	11	TAIWAN
KOR	CRMS	11500.000	25	05	0039	0039	21.6		CHN	BC		A3E									11	
KOR	CRMS	11500.000	22	06	0017	0017	20.9		CHN	BC		A3E									11	
D	KREFELD	11510.000	13	06	1255	1358			CHN	BC	10K0E	A3E							79			
D	KREFELD	11510.000	14	06	1255	1358			CHN	BC	10K0E	A3E							79			
D	KREFELD	11510.000	15	06	1255	1358			CHN	BC	10K0E	A3E							79			
J	TOKYO	11519.950	02	06	0038			SOUND OF HOPE		BC		A3E	120	E	33	23	N	13	240	A	11	TAIWAN
J	TOKYO	11519.960	21	06	0932				CHN	BC		A3E	120	E	09	23	N	14	240	B		TAIWAN
J	TOKYO	11519.970	10	05	0643			SOUND OF HOPE		BC		A3E	120	E	30	23	N	59	241	B	11	TAIWAN
J	TOKYO	11519.980	26	05	0215			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11519.980	28	06	0738				CHN	BC		A3E	120	E	38	24	N	17	242	B		TAIWAN
J	TOKYO	11519.990	09	06	1058			SOUND OF HOPE		BC		A3E	121	E	29	24	N	04	240	B	11	TAIWAN
KOR	CRMS	11520.000	22	04	0612	0612	21.6		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11520.000	26	04	0317	0320	45.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11520.000	26	04	2322	2326	45.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	11520.000	09	05	0530	0530	-0.4		CHN	BC		A3E									11	
KOR	CRMS	11520.000	21	06	0613	0613	31.0		CHN	BC		A3E									11	
J	TOKYO	11520.010	19	04	0031			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11520.020	02	05	0838				CHN	BC		A3E	120	E	59	24	N	45	242	B		TAIWAN
D	KREFELD	11524.000	13	06	0000	0600			RUS	FX	400H	F1B							64			KALININGRAD
D	KREFELD	11524.000	15	06	0000	0600			RUS	FX	400H	F1B							64			KALININGRAD
D	KREFELD	11526.000	13	06	0720	0815			RUS	FX	700H	F1B							65			MOSKVA
J	TOKYO	11535.010	19	04	0032			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11538.000	26	05	0217				RUS			F1B	136	E	37	50	N	35	351	A		
D	KREFELD	11540.000	13	06	1200	1257				BC	10K0E	A3E							108			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KREFELD	11540.000	14	06	1200	1257				BC	10K0E	A3E							108			
D	KREFELD	11540.000	15	06	1200	1257				BC	10K0E	A3E							108			
J	TOKYO	11549.930	21	06	0935				CHN	BC		A3E	121	E	22	24	N	04	239	B		TAIWAN
J	TOKYO	11549.940	13	04	0232			SOUND OF HOPE		BC		A3E	120	E	35	22	N	56	239	A	11	TAIWAN
J	TOKYO	11549.940	02	06	0041			SOUND OF HOPE		BC		A3E	121	E	12	23	N	54	240	A	11	TAIWAN
J	TOKYO	11549.950	10	05	0644			SOUND OF HOPE		BC		A3E	121	E	35	24	N	20	240	B	11	TAIWAN
J	TOKYO	11549.960	26	05	0220			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11549.960	09	06	1104			SOUND OF HOPE		BC		A3E	121	E	29	24	N	22	240	B	11	TAIWAN
J	TOKYO	11549.970	19	04	0034			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	11550.000	22	04	0612	0612	23.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11550.000	26	04	0320	0325	43.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11550.000	26	04	2327	2329	43.6	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	11550.000	02	05	0838				CHN	BC		A3E	120	E	33	23	N	36	240	B		TAIWAN
KOR	CRMS	11550.000	22	06	0017	0017	16.6		CHN	BC		A3E									11	
D	KREFELD	11559.790	21	06	0418	0559		A.I.R.	IND	BC	10K0E	A3E							85			DELHI
D	KREFELD	11560.000	21	06	1230	1400		A.I.R.	IND	BC	10K0E	A3E							98			BEGALURU
D	KREFELD	11561.000	22	06	1105	1153			RUS		700H	F1B							64			
D	KREFELD	11569.840	21	06	1358	1458		N. KOREA REFORM	UZB	BC	10K0E	A3E							79			TASHKENT
D	KREFELD	11570.000	21	06	1150	1400				BC	10K0E	A3E							70			
D	KREFELD	11577.750	22	06	1130	1135			RUS		3K00	J7D							64			
KOR	CRMS	11580.000	06	04	0052	0052	-7.9		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	11580.000	26	04	0325	0329	42.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11580.000	26	04	2329	2332	44.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	11580.000	24	05	0840	0840	28.5		CHN	BC		A3E									11	
KOR	CRMS	11580.000	21	06	0614	0614	17.2		CHN	BC		A3E									11	
J	TOKYO	11580.110	02	05	0839				CHN	BC		A3E	121	E	12	25	N	00	242	B		TAIWAN
J	TOKYO	11580.120	19	04	0035			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	11580.130	17	05	0510			SOUND OF HOPE		BC		A3E	120	E	50	23	N	28	240	A	11	TAIWAN
J	TOKYO	11580.130	09	06	1106				CHN	BC		A3E	121	E	22	24	N	13	240	B		TAIWAN
J	TOKYO	11580.140	13	04	0235			SOUND OF HOPE		BC		A3E	121	E	17	24	N	17	241	A	11	TAIWAN
J	TOKYO	11580.150	10	05	0645			SOUND OF HOPE		BC		A3E	121	E	06	24	N	50	242	B	11	TAIWAN
J	TOKYO	11580.150	02	06	0043			SOUND OF HOPE		BC		A3E	121	E	22	24	N	16	240	A	11	TAIWAN
J	TOKYO	11580.150	21	06	0938				CHN	BC		A3E	120	E	43	24	N	15	241	B		TAIWAN
J	TOKYO	11580.150	28	06	0739				CHN	BC		A3E	120	E	43	24	N	13	241	B		TAIWAN
J	TOKYO	11589.790	09	06	1108				CHN	BC		A3E							276	C		
J	TOKYO	11589.990	09	06	1109				CHN	BC		A3E	104	E	44	25	N	29	261	B		
D	KREFELD	11590.000	21	06	1250	1328		B.V.B.N.	UZB	BC	10K0E	A3E							78			TASHKENT
D	KREFELD	11590.000	21	06	1400	1445		K.T.W.R.	USA	BC	10K0E	A3E							44			MERIZO
J	TOKYO	11590.000	28	06	0740					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
D	KREFELD	11598.000	21	06	0000	2400			RUS	FX	400H	F1B							64			KALININGRAD
J	TOKYO	11599.980	09	06	1115			SOUND OF HOPE		BC		A3E	120	E	40	24	N	22	242	B	11	TAIWAN
J	TOKYO	11599.990	10	05	0700			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	11600.000	05	04	0521	0521	12.7		CHN	BC		A3E									6	
J	TOKYO	11600.000	19	04	0040			CHINA N.R.		BC		A3E							248		11	
INS	MSPA-SAMARINDA	11600.000	26	04	0329	0333	42.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	11600.000	02	05	0839				CHN	BC		A3E	124	E	05	46	N	58	318	B		
KOR	CRMS	11600.000	04	05	0059	0059	12.2		CHN	BC		A3E									6	
KOR	CRMS	11600.000	24	05	0841	0841	35.1		CHN	BC		A3E									6	
J	TOKYO	11600.000	26	05	0222			CHINA N.R.		BC		A3E							250	A	11	
KOR	CRMS	11600.000	03	06	0732	0732	32.6		CHN	BC		A3E									6	
KOR	CRMS	11600.000	09	06	0541	0541	20.1		CHN	BC		A3E									6	
HNG	TARNOK	11600.000	15	06	0500	0600	40.3	THE OVERCOMER MINISRTY	BUL	BC	10K5	A3E										
D	KREFELD	11600.000	21	06	0453	0800		OVERCOMER MINIS	BUL	BC	10K0E	A3E							120			KOSTINBROD
J	TOKYO	11600.000	21	06	0940				CHN	BC		A3E	119	E	54	28	N	33	253	B		
D	KREFELD	11600.000	21	06	1300	1400		F.E.B.C.	PHL	BC	10K0E	A3E							63			BOCAUE
D	KREFELD	11600.000	21	06	1407	1458		F.E.B.C.	PHL	BC	10K0E	A3E							63			BOCAUE
J	TOKYO	11600.000	28	06	0740					BC		A3E	109	E	43	34	N	20	276	B		
J	TOKYO	11600.010	19	04	0101			SOUND OF HOPE		BC		A3E									11	
HNG	TARNOK	11609.998	15	06	0000	0600	22.3	CNR2	CHN	BC	11K7	A3E										
HNG	TARNOK	11609.999	15	06	1300	1600	25.7	CRI	CHN	BC	11K4	A3E										
HNG	TARNOK	11609.999	15	06	1600	1700	41.2	RADIO FREE ASIA	USA	BC	8K80	A3E										
INS	MSPA-SAMARINDA	11610.000	26	04	2332	2335	42.2	CNR 5	CHN	BC	9K00E	A3E										
HNG	TARNOK	11610.000	15	06	1700	1930	29.6	VOA	G	BC	15K6	A3E										
HNG	TARNOK	11619.997	15	06	0700	0800	67.0	KBS	G	BC	11K0	A3E										
J	TOKYO	11620.000	21	04	1000			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	11620.000	26	04	0333	0337	43.8	CNR 5	CHN	BC	9K00E	A3E										
J	TOKYO	11620.000	12	05	1100			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	11620.000	16	06	1000			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11620.001	15	06	0000	0600	14.2	CNR3	CHN	BC	11K8	A3E										
HNG	TARNOK	11620.006	15	06	0600	0645	52.3	VATICAN RADIO	CVA	BC	10K1	A3E										
HNG	TARNOK	11620.006	15	06	1530	1630	36.8	VATICAN RADIO	CVA	BC	10K1	A3E										
HNG	TARNOK	11625.000	15	06	1855	2100	37.9	NHK	J	BC	8K76	A3E										
HNG	TARNOK	11629.999	15	06	1300	1600	31.0	R. KUWAIT	KWT	BC	15K5	A3E										
INS	MSPA-SAMARINDA	11630.000	26	04	0337	0340	40.5	CNR 5	CHN	BC	9K00E	A3E										
HNG	TARNOK	11630.000	15	06	1600	1804	37.2	CNR 17	CHN	BC	15K6	A3E										
HNG	TARNOK	11630.001	15	06	0000	0600	24.6	CNR5	CHN	BC	11K8	A3E										
HNG	TARNOK	11630.002	15	06	2220	2320	46.3	VO ISLAMIC REP.IRAN	IRN	BC	15K6	A3E										
HNG	TARNOK	11634.993	15	06	1000	1100	18.9	CRI	CHN	BC	9K65	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	11635.000	26	04	2335	2337	42.5	CNR 17	CHN	BC	9K00E	A3E										
J	TOKYO	11635.000	12	05	1100			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11635.003	15	06	1800	2350	36.8	VOICE OF KOREA	KRE	BC	9K95	A3E										
HNG	TARNOK	11639.993	15	06	1430	1457	23.2	CRI	CHN	BC	10K2	A3E										
INS	MSPA-SAMARINDA	11640.000	26	04	0340	0345	42.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11640.000	27	04	0158	0158	38.5		CHN	BC		A3E									6	
J	TOKYO	11640.000	12	05	0800			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11640.000	15	06	0200	0357	17.2	CRI	CHN	BC	11K9	A3E										
KOR	CRMS	11640.000	30	06	0108	0108	41.1		CHN	BC		A3E									6	
HNG	TARNOK	11640.002	15	06	1800	2127	33.7	CRI	MLI	BC	8K67	A3E										
HNG	TARNOK	11645.003	15	06	1500	1757	34.2	VOICE OF KOREA	KRE	BC	9K82	A3E										
HNG	TARNOK	11649.906	15	06	0000	0100	32.5	AWR	CLN	BC	11K7	A3E									3	
HNG	TARNOK	11650.000	15	06	0100	0257	22.4	CRI	CHN	BC	11K8	A3E										
HNG	TARNOK	11650.000	15	06	1000	1057	66.2	R. ROMANIA INT	ROU	BC	9K41	A3E										
HNG	TARNOK	11650.000	15	06	1400	1457	20.5	CRI	CHN	BC	8K80	A3E										
KOR	CRMS	11650.000	22	06	0022	0022	28.4		CHN	BC		A3E									6	
HNG	TARNOK	11650.003	15	06	0400	0557	33.3	CRI	CHN	BC	11K7	A3E										
INS	MSPA-SAMARINDA	11660.000	25	04	0402	0406	43.2	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
KOR	CRMS	11660.000	22	06	0023	0023	45.3		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11665.000	25	04	0005	0007	44.3	RTM WAI / LIMBANG FM	MLA	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11665.000	25	04	0201	0204	44.8	RTM WAI / LIMBANG FM	MLA	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11665.000	25	04	0406	0409	45.4	RTM WAI / LIMBANG FM	MLA	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11670.000	25	04	0007	0009	42.5	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11670.000	25	04	0206	0208	43.4	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11670.000	25	04	0409	0412	43.5	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
I	ROMA	11675.000	16	05	0926	0927	35.0	VOICE OF TURKEY	TUR	BC	10K0E	A3E							91	A		
J	TOKYO	11680.000	01	04	2300			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	11680.000	05	04	0602	0602	18.6		KRE	BC		A3E									6	
INS	MSPA-SAMARINDA	11680.000	25	04	0009	0011	43.4	KCBS PYONGYANG	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11680.000	25	04	0204	0206	43.7	KCBS PYONGYANG	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11680.000	25	04	0412	0415	42.3	KCBS PYONGYANG	KRE	BC	9K00E	A3E										
J	TOKYO	11680.000	12	05	2300			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	11680.000	24	05	0844	0844	45.8		KRE	BC		A3E									6	
KOR	CRMS	11680.000	28	06	0612	0612	57.6		KRE	BC		A3E									6	
INS	MSPA-SAMARINDA	11685.000	25	04	0011	0013	44.8	CNR 5	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11685.000	25	04	0206	0208	43.4	CNR 11	CHN	BC	9K00E	A3E										
J	TOKYO	11690.000	22	04	2300			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	11690.000	12	05	2300			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	11695.000	02	05	0841				CHN	BC		D7W	108	E	43	19	N	10	248	B		
HNG	TARNOK	11700.000	17	06	0400	0559	34.4	RFI	F	BC	9K68	A3E										
HNG	TARNOK	11700.000	17	06	1158	1227	55.6	RRI	ROU	BC	10K0	A3E										
HNG	TARNOK	11700.001	17	06	0604	0800	47.6	RFI	F	BC	10K0	A3E										
HNG	TARNOK	11700.001	17	06	2003	2029	45.5	RFI	F	BC	10K0E	A3E										
HNG	TARNOK	11700.002	17	06	2300	2400	27.5	R.FREE ASIA	USA	BC	8K00	A3E										
INS	MSPA-SAMARINDA	11705.000	25	04	0208	0211	45.2	R. FREE ASIA	KWT	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11710.000	25	04	0013	0015	43.1	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
HNG	TARNOK	11710.000	17	06	2025	2400	37.1	CNR1	CHN	BC	15K0E	A3E										
HNG	TARNOK	11710.004	17	06	1358	1805	54.2	TRT	TUR	BC	10K0	A3E										
KOR	CRMS	11715.000	05	04	0602	0602	-12.4		CHN	BC		A3E									6	
KOR	CRMS	11715.000	21	04	0454	0454	21.2		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11715.000	25	04	0211	0213	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11715.000	25	04	0415	0417	43.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	11715.000	30	05	0540	0540	47.6		CHN	BC		A3E									6	
KOR	CRMS	11715.000	08	06	0056	0056	25.9		CHN	BC		A3E									6	
KOR	CRMS	11715.000	24	06	0627	0627	65.0		CHN	BC		A3E									6	
HNG	TARNOK	11715.001	17	06	1404	1500	32.2	SOH XI WANG	CHN	BC	10K0E	A3E										
INS	MSPA-SAMARINDA	11720.000	25	04	0015	0017	44.5	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11720.000	25	04	0213	0216	43.4	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11720.000	25	04	0419	0423	44.5	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
KOR	CRMS	11720.000	02	06	0502	0502	19.6		CHN	BC		A3E									6	
HNG	TARNOK	11725.000	17	06	1400	1500	38.9	BBC	OMA	BC	10K0E	A3E										
HNG	TARNOK	11725.000	17	06	1559	1800	53.8	CRI	CHN	BC	10K0	A3E										
INS	MSPA-SAMARINDA	11730.000	25	04	0231	0232	44.5	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	11730.000	17	06	0230	0330	18.8	CRI	CHN	BC	11K4	A3E										
HNG	TARNOK	11730.000	17	06	0601	0620	44.1	NHK	F	BC	10K0	A3E										
HNG	TARNOK	11730.001	17	06	0528	0550	40.3	NHK	F	BC	10K8	A3E										
HNG	TARNOK	11730.010	17	06	0700	0755	43.4	TRT	TUR	BC	10K0	A3E										
HNG	TARNOK	11734.999	17	06	1400	1450	15.4	VOK	KRE	BC	10K0E	A3E										
INS	MSPA-SAMARINDA	11735.000	25	04	0423	0425	42.7	VOICE OF KOREA	KRE	BC	9K00E	A3E										
HNG	TARNOK	11735.000	17	06	1700	1900	56.0	BBC	SNG	BC	10K0	A3E										
INS	MSPA-SAMARINDA	11740.000	25	04	0017	0021	42.8	CNR 2 VOICE OF CHINA	CHN	BC	9K00E	A3E										
J	TOKYO	11740.000	12	05	0300			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11740.000	17	06	1256	1604	27.3	CNR2	CHN	BC	10K0E	A3E										
HNG	TARNOK	11740.000	17	06	2055	2400	42.5	CNR2	CHN	BC	17K0E	A3E										
INS	MSPA-SAMARINDA	11745.000	25	04	0232	0234	44.2	R. FREE ASIA	KWT	BC	9K00E	A3E										
HNG	TARNOK	11745.012	17	06	0000	0657	44.4	AL-AZM RADIO	ARS	BC	9K46	A3E									3	
HNG	TARNOK	11745.013	17	06	1020	2200	31.8	AL-AZM RADIO	ARS	BC	10K0E	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
HNG	TARNOK	11749.997	17	06	2100	2200	42.0	AWR	USA	BC	10K0E	A3E										
INS	MSPA-SAMARINDA	11750.000	25	04	0000	2400	43.1	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11750.000	25	04	0021	0023	44.6	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11750.000	25	04	0425	0427	43.3	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
I	ROMA	11750.000	16	05	0927	0928	23.0	VOICE OF TURKEY	TUR	BC	10K0E	A3E							91	A		
KOR	CRMS	11750.000	17	06	0811	0811	42.4		J	BC		A3E									6	
HNG	TARNOK	11750.000	17	06	1858	1957	56.4	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	11750.001	17	06	1458	1559	26.5	VOA	STP	BC	10K0	A3E										
HNG	TARNOK	11750.004	17	06	0555	0956	59.4	TRT	TUR	BC	10K0E	A3E										
HNG	TARNOK	11750.004	17	06	1629	1831	50.9	SRI LANKA BC	CLN	BC	10K0E	A3E										
HNG	TARNOK	11750.013	17	06	1400	1430	22.2	FEBC R.	PHL	BC	10K0E	A3E									3	
INS	MSPA-SAMARINDA	11760.000	25	04	0023	0025	43.9	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11760.000	25	04	0213	0235	43.8	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11760.000	25	04	0427	0429	43.2	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11765.000	25	04	0025	0028	42.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11765.000	25	04	0429	0431	43.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	11770.000	25	04	0028	0030	44.4	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11770.000	25	04	0235	0236	45.2	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11770.000	25	04	0431	0433	41.9	PBS XINJIANG	CHN	BC	9K00E	A3E										
KOR	CRMS	11775.000	01	04	0653	0653	13.0		CHN	BC		A3E									6	
KOR	CRMS	11775.000	05	04	0604	0604	-8.6		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11775.000	25	04	0235	0237	43.6	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	11775.000	26	05	0438	0438	19.3		CHN	BC		A3E									6	
KOR	CRMS	11775.000	30	05	0541	0541	42.4		CHN	BC		A3E									6	
KOR	CRMS	11775.000	09	06	0544	0544	24.6		CHN	BC		A3E									6	
KOR	CRMS	11775.000	23	06	0549	0549	19.4		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11780.000	25	04	0032	0034	44.8	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11780.000	26	05	0438	0438	38.0		CHN	BC		A3E									6	
J	TOKYO	11780.000	16	06	0000			CHINA R.I.	CHN	BC		A3E										
INS	MSPA-SAMARINDA	11790.000	25	04	0034	0035	44.2	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11790.000	25	04	0237	0239	44.7	NHK WORLD RSDIO NIPON	J	BC	9K00E	A3E										
KOR	CRMS	11790.000	18	05	0141	0141	33.6		CHN	BC		A3E									6	
J	TOKYO	11795.000	22	04	1055			KBS WORLD R.	KOR	BC		A3E										
I	ROMA	11795.000	16	05	0931	0932	23.0	VOICE OF TURKEY	TUR	BC	10K0E	A3E							91	A		
HNG	TARNOK	11799.999	19	06	1600	1630	37.9	AWR	AUT	BC	9K98	A3E										
HNG	TARNOK	11799.999	19	06	1800	1900	32.0	NHK	J	BC	11K6	A3E										
I	ROMA	11800.000	18	04	1859	1905	59.0	ADVENTIST WORLD RADI	D	BC	11K5E	A3E									12	ARABIC LANGUAGE
I	ROMA	11800.000	18	04	2300	2306	35.0	R ROMANIA INTERNATIO	ROU	BC	10K0E	A3E										SPANISH LANGUAGE

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	11800.000	25	04	0035	0037	32.1	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11800.000	25	04	0239	0243	43.9	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11800.000	25	04	0435	0437	44.7	CNR. 2 CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										
HNG	TARNOK	11800.003	19	06	1900	2000	48.0	AWR	D	BC	10K0	A3E										
HNG	TARNOK	11804.998	19	06	1430	1458	47.8	FEB	UZB	BC	10K2	A3E										
J	TOKYO	11809.990	12	05	0155			KBS WORLD R.	KOR	BC		A3E										
HNG	TARNOK	11809.999	19	06	1800	2000	40.9	BBC	G	BC	11K1	A3E										
I	ROMA	11810.000	18	04	1855	1907	41.0	BBC WORLD SERVICE	G	BC	10K0E	A3E										ENG
J	TOKYO	11810.000	23	04	0100			KBS WORLD R.	KOR	BC		A3E										
INS	MSPA-SAMARINDA	11810.000	25	04	0037	0039	41.3	CNR 8	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11810.000	25	04	0243	0245	45.2	CNR 8	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11810.000	25	04	0437	0439	43.1	CNR 8	CHN	BC	9K00E	A3E										
HNG	TARNOK	11810.000	19	06	2200	2300	31.8			BC	10K0E	A3E										TWO TRANSMISSIONS
HNG	TARNOK	11810.001	19	06	2000	2100	47.5	BBC	G	BC	10K2	A3E										
I	ROMA	11812.000	18	04	1855	1907	15.0			FX	300HE	F1B									3	
HNG	TARNOK	11812.000	19	06	0800	1300	3.2				300H	F1B										200Hz 180BD ITA2
HNG	TARNOK	11815.000	19	06	0605	0700	69.7	VAT	CVA	BC	8K88	A3E										
HNG	TARNOK	11815.000	19	06	1400	1457	39.5	CRI	CHN	BC	11K2	A3E										
HNG	TARNOK	11815.000	19	06	1600	1700	62.6	VAT	CVA	BC	9K33	A3E										
HNG	TARNOK	11815.000	19	06	2000	2400	32.0	RNP	B	BC	10K0E	A3E										
INS	MSPA-SAMARINDA	11820.000	25	04	0039	0041	44.3	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	11824.992	19	06	1500	1530	40.0	R.BEYOND AUSTRALIA	AUS	BC	9K11	A3E										
HNG	TARNOK	11824.996	19	06	1700	1757	54.8	CRI	CHN	BC	10K1	A3E										
HNG	TARNOK	11824.999	19	06	1000	1300	16.4	VOA	PHL	BC	11K8	A3E										
INS	MSPA-SAMARINDA	11825.000	25	04	0439	0441	44.7	NHK WORLD RADIO JAPAN	J	BC	9K00E	A3E										
KOR	CRMS	11825.000	29	04	0701	0701	58.1		J	BC	9K07E	A3E									6	
HNG	TARNOK	11825.023	19	06	1330	1355	37.5	TRT	TUR	BC	11K1	A3E										
HNG	TARNOK	11830.000	19	06	1800	1830	50.3			BC	10K0E	A3E										
HNG	TARNOK	11830.002	19	06	1600	1700	68.5	PABC	D	BC	9K77	A3E										
HNG	TARNOK	11839.998	19	06	1000	1200	17.6	CNR 1	CHN	BC	11K7	A3E										
KOR	CRMS	11840.000	04	04	0519	0519	20.2		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	11840.000	25	04	0441	0443	43.5	RADIO TAIWAN INT	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	11840.000	02	05	0429	0429	26.8		CHN	BC		A3E									6	
KOR	CRMS	11840.000	31	05	0724	0724	43.0		CHN	BC		A3E									6	
KOR	CRMS	11840.000	09	06	0545	0545	31.8		CHN	BC		A3E									6	
HNG	TARNOK	11849.987	19	06	1600	1700	38.8	RFE	UAE	BC	11K4	A3E									3	
INS	MSTM-MEDAN	11850.000	22	04	0100	0110	56.0	CNR.2-China Business Radio	CHN	BC	6K00E	A3E										
HNG	TARNOK	11850.000	19	06	1300	1357	17.2	DWL	STP	BC	11K8	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	11850.000	19	06	1400	1600	36.2	RFE	D	BC	11K5	A3E										
HNG	TARNOK	11850.000	19	06	1900	1957	69.4	RRO	ROU	BC	9K03	A3E										
INS	MSPA-SAMARINDA	11855.000	22	04	0007	0010	41.3	R. Aparecida	B	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	11860.000	22	04	0010	0014	44.2	Republic of yamen Radio	ARS	BC	9K00E	A3E										
INS	MSTM-MEDAN	11860.000	22	04	0110	0120	52.0	Republic of yamen Radio	ARS	BC	6K00E	A3E										
J	TOKYO	11865.000	21	04	0700			V.O. KOREA	KRE	BC		A3E										
J	TOKYO	11865.000	22	04	2113			V.O. KOREA	KRE	BC		A3E										
J	TOKYO	11865.000	12	05	2147			V.O. KOREA	KRE	BC		A3E										
INS	MSPA-SAMARINDA	11875.000	22	04	0014	0017	45.3	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
I	ROMA	11875.000	20	05	1700	1707	54.0	CHINA RADIO INTERNAT	CHN	BC	10K5E	A3E									12	RUS
KOR	CRMS	11875.000	24	05	0847	0847	52.4		USA	BC		A3E									6	
INS	MSTM-MEDAN	11880.000	22	04	0130	0140	25.0	KBS World Radio	USA	BC	6K00E	A3E										
INS	MSPA-SAMARINDA	11885.000	22	04	0017	0020	44.5	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11895.000	21	04	0458	0458	26.1		KRE	BC		A3E									6	
KOR	CRMS	11895.000	25	04	0440	0440	38.8		CHN	BC		A3E									6	
KOR	CRMS	11895.000	23	05	0450	0450	45.5		CHN	BC		A3E									6	
HNG	TARNOK	11899.964	21	06	1159	1501	22.0	R.BEYOND AUSTRALIA	AUS	BC	10K0	A3E									3	
HNG	TARNOK	11899.991	21	06	2000	2029	36.9	VOA	STP	BC	11K0E	A3E										
J	TOKYO	11900.000	01	04	2300			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	11900.000	21	06	1526	1557	58.1	RRI	ROU	BC	9K60	A3E										
HNG	TARNOK	11900.000	21	06	1559	1657	32.1	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	11900.000	21	06	2100	2200	39.4	VOA	STP	BC	12K0E	A3E										
HNG	TARNOK	11900.001	21	06	0000	0100	13.7	CRI	CHN	BC	11K8	A3E										
HNG	TARNOK	11904.991	21	06	1143	1158	17.3	R.BEYOND AUSTRALIA	AUS	BC	10K0	A3E										
INS	MSPA-SAMARINDA	11905.000	22	04	0020	0023	45.7	SRI LANKA BC	CLN	BC	9K00E	A3E										
INS	MSTM-MEDAN	11905.000	22	04	0200	0210	48.0	CNR 6	CHN	BC	6K00E	A3E										
HNG	TARNOK	11905.001	21	06	0100	0320	12.0	CNR6	CHN	BC	11K8	A3E										
HNG	TARNOK	11905.002	21	06	0320	0419	45.6	IRB	IRN	BC	9K98	A3E										
HNG	TARNOK	11905.027	21	06	1700	1800	63.4	VOA	D	BC	10K0	A3E									3	
HNG	TARNOK	11909.993	21	06	1630	1700	53.4	VOA	STP	BC	12K0E	A3E										
HNG	TARNOK	11909.997	21	06	1159	1457	43.2	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	11910.000	21	06	2055	2230	35.6	NHK WORLD JAPAN	J	BC	10K0E	A3E										
INS	MSPA-SAMARINDA	11915.000	22	04	0023	0025	43.4	CNR 2-CHINA Business Radio	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	11915.000	22	04	0220	0230	36.0	CNR.2-China Business Radio	CHN	BC	6K00E	A3E										
HNG	TARNOK	11915.000	21	06	0030	1300	14.8	CNR2	CHN	BC	11K8	A3E										
HNG	TARNOK	11925.000	21	06	0527	0548	23.7				17K0E	F0N										OTHR
HNG	TARNOK	11925.001	21	06	1200	1804	16.4	CNR 1	CHN	BC	13K0E	A3E										
HNG	TARNOK	11925.001	21	06	2025	2330	43.3	CNR 1	CHN	BC	19K0E	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	11926.000	21	06	0421	0431	12.7				20K0E	F0N										OTHR
HNG	TARNOK	11930.000	21	06	0700	0730	35.8	BBC	G	BC	10K0	A3E										
HNG	TARNOK	11930.023	21	06	1632	1726	66.5	TRT	TUR	BC	10K0E	A3E										3
INS	MSPA-SAMARINDA	11935.000	22	04	0025	0027	44.3	CNR 5	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	11935.000	22	04	0250	0300	31.0	CNR 5	CHN	BC	6K00E	A3E										
HNG	TARNOK	11935.000	21	06	0000	0400	24.4	CRI	CHN	BC	11K4	A3E										
HNG	TARNOK	11940.005	21	06	1400	1502	27.2	RADIO NUG	CHN	BC	10K0E	A3E										
HNG	TARNOK	11940.005	21	06	1557	1657	58.0	CRI	CHN	BC	16K0E	A3E										
HNG	TARNOK	11940.005	21	06	2030	2057	57.2	CRI	CHN	BC	10K0E	A3E										
HNG	TARNOK	11940.009	21	06	0000	0200	41.2	REE	E	BC	9K40	A3E										
HNG	TARNOK	11940.009	21	06	1800	2030	55.0	R.EXTERIOR DE ESP.	E	BC	10K0	A3E										
HNG	TARNOK	11940.009	21	06	2057	2400	48.4	R.EXTERIOR DE ESP.	E	BC	10K0	A3E										
HNG	TARNOK	11943.000	21	06	1535	1546	16.5				14K0E	F0N										OTHR
HNG	TARNOK	11944.999	21	06	1000	1200	16.4	BBC	SNG	BC	10K0E	A3E										
HNG	TARNOK	11945.000	21	06	0100	0200	25.7	CRI	CHN	BC	11K8	A3E										
HNG	TARNOK	11945.000	21	06	0200	0257	23.3	RRO	ROU	BC	11K4	A3E										
HNG	TARNOK	11945.095	21	06	1700	1900	51.9	NHK WORLD JAPAN	F	BC	11K0E	A3E										3
HNG	TARNOK	11949.999	21	06	0000	0100	31.5	RHC	CUB	BC	9K45	A3E										
INS	MSTM-MEDAN	11950.000	22	04	0310	0320	33.0	PBS Xizang	CHN	BC	6K00E	A3E										
HNG	TARNOK	11950.001	21	06	0400	0601	22.6	PBS XIZANG	CHN	BC	11K7	A3E										
HNG	TARNOK	11950.001	21	06	1257	1500	31.4	RRI	ROU	BC	10K0	A3E										
INS	MSPA-SAMARINDA	11960.000	22	04	0027	0030	42.5	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	11960.000	22	04	0320	0330	12.0	CNR 5	CHN	BC	4K00E	A3E										
KOR	CRMS	11975.000	05	04	0606	0606	-4.2		CHN	BC		A3E										6
INS	MSPA-SAMARINDA	11975.000	22	04	0030	0033	45.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSTM-MEDAN	11975.000	22	04	0340	0350	0.0	PBS Xizang		BC	6K00E	A3E										
KOR	CRMS	11975.000	29	04	0702	0702	29.5		CHN	BC		A3E										6
KOR	CRMS	11975.000	24	05	0848	0848	35.7		CHN	BC		A3E										6
KOR	CRMS	11975.000	26	05	0440	0440	38.9		CHN	BC		A3E										6
KOR	CRMS	11975.000	17	06	0816	0816	24.4		CHN	BC		A3E										6
KOR	CRMS	11990.000	05	04	0607	0607	-4.3		CHN	BC		A3E										6
INS	MSPA-SAMARINDA	11990.000	22	04	0033	0036	44.7	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	11990.000	23	05	0452	0452	20.4		CHN	BC		A3E										6
KOR	CRMS	11990.000	26	05	0440	0440	23.9		CHN	BC		A3E										6
KOR	CRMS	11990.000	23	06	0551	0551	17.6		CHN	BC		A3E										6
INS	MSTM-MEDAN	11995.000	22	04	0410	0420	7.0	BBC	MDG	BC	3K00E	A3E										
HNG	TARNOK	11995.000	23	06	0600	0730	41.2	RFI	F	BC	11K8	A3E										
HNG	TARNOK	12004.997	23	06	1100	1300	50.2	R.FARDA	D	BC	9K30	A3E										
HNG	TARNOK	12004.997	23	06	1300	1800	50.1	R.FARDA	G	BC	9K30	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	12015.000	23	06	1700	1757	52.3	CRI		BC	10K3	A3E										
HNG	TARNOK	12015.002	23	06	0330	0430	17.4	BBC	BUL	BC	9K30	A3E										
HNG	TARNOK	12015.003	23	06	1900	2050	49.1	VOK	KRE	BC	10K3	A3E										
J	TOKYO	12018.630	21	04	1100			V.O. VIETNAM	VTN	BC		A3E										
J	TOKYO	12018.640	01	04	1341			V.O. VIETNAM	VTN	BC		A3E										
J	TOKYO	12020.000	12	05	1330			V.O. VIETNAM	VTN	BC		A3E										
HNG	TARNOK	12024.999	23	06	1400	1500	32.8	CRI	CHN	BC	11K5	A3E										
HNG	TARNOK	12024.999	23	06	1500	1700	55.6	BBC	SNG	BC	10K3	A3E										
HNG	TARNOK	12024.999	23	06	1700	1900	59.5	BBC	SNG	BC	10K3	A3E										
J	TOKYO	12025.000	22	04	1300			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	12025.000	12	05	1300			CHINA R.I.	CHN	BC		A3E										
HNG	TARNOK	12029.992	23	06	1200	1250	50.4	VOA	D	BC	8K09	A3E										
INS	MSPA-SAMARINDA	12035.000	22	04	0038	0041	45.2	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
HNG	TARNOK	12035.006	23	06	1300	1700	37.1	VOA DEEWA R.	THA	BC	11K5	A3E										
HNG	TARNOK	12035.006	23	06	1700	1900	71.5	VOA DEEWA R.	D	BC	11K5	A3E										
INS	MSPA-SAMARINDA	12050.000	21	04	0007	0010	45.6	WEWN	USA	BC	9K00E	A3E										
HNG	TARNOK	12050.000	23	06	0600	0700	49.1	R.NDARASON INT.	G	BC	9K30	A3E										
HNG	TARNOK	12050.001	23	06	1900	2100	56.4	R.NDARASON INT.	G	BC	9K45	A3E										
INS	MSPA-SAMARINDA	12055.000	21	04	0010	0014	46.2	FEBC	PHL	BC	9K00E	J3E										
KOR	CRMS	12070.000	20	04	0024	0024	15.6		PHL	BC		A3E										6
INS	MSPA-SAMARINDA	12070.000	21	04	0014	0017	44.5	FEBC Radio Liangyou 1	PHL	BC	9K00E	A3E										
KOR	CRMS	12070.000	11	05	0037	0037	22.7		PHL	BC		A3E										6
KOR	CRMS	12070.000	22	06	0030	0030	25.8		PHL	BC		A3E										6
INS	MSPA-SAMARINDA	12080.000	21	04	0017	0020	43.7	CNR 2-CHINA Business Radio	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	12080.000	21	04	0130	0140	17.0	CNR.2-China Business Radio	CHN	BC	6K00E	A3E										
INS	MSTM-MEDAN	12080.000	21	04	0510	0520	21.0	CNR.2-China Business Radio	CHN	BC	6K00E	A3E										
I	ROMA	12080.000	01	05	1700	1705	58.0	VOICE OF AMERICA	USA	BC	10K0E	A3E										PORTOGUESE
KOR	CRMS	12080.000	21	06	0617	0617	33.3		CHN	BC		A3E										6
HNG	TARNOK	12104.784	25	06	1200	1300	19.6	AWR	UZB	BC	9K85	A3E										3
D	ITZEHOE	12105.000	01	04	1200	1410		ADVENTIST WORLD R.		BC	10K0E	A3E							80			
HNG	TARNOK	12107.000	25	06	0445	0535	23.2				15K0	F0N										OTHR
INS	MSPA-SAMARINDA	12110.000	21	04	0020	0023	44.3	Voice of America	PHL	BC	9K00E	A3E										
J	TOKYO	12110.000	26	04	2348				PHL	BC		A3E	120	E	59	16	N	05	226	B		
J	TOKYO	12110.000	08	06	2347				PHL	BC		A3E	120	E	37	15	N	11	226	A		
HNG	TARNOK	12110.000	25	06	0000	0030	16.1	VOA	PHL	BC	10K0E	A3E										
HNG	TARNOK	12119.974	25	06	1200	1400	16.6	FEBC RADIO	PHL	BC	9K45	A3E										3
D	ITZEHOE	12120.000	01	04	1048	1410		FEBC RADIO		BC	10K0E	A3E							65			
J	TOKYO	12120.000	10	05	0747				RUS			F1B	158	E	28	53	N	13	30	B		
HNG	TARNOK	12120.000	25	06	0012	0407	27.9				1K10	F1B										850Hz 75BD

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	12120.001	25	06	1724	1930	37.9	R. PILIPINAS	PHL	BC	11K1	A3E										
J	TOKYO	12121.000	06	04	0602							F1B										
J	TOKYO	12121.000	06	04	0603				RUS			A1A	136	E	39	50	N	54	351	B		
D	ITZEHOE	12130.000	01	04	0400	1300			SYR	BC	10K0E	A3E	039	E	21	35	N	25	120			
HNG	TARNOK	12130.000	25	06	0400	1300	30.9	MASHAAL RADIO	KWT	BC	10K4	A3E										
HNG	TARNOK	12135.000	25	06	0000	0035	13.5			BC	10K0E	A3E										
D	ITZEHOE	12146.393	01	04	0504	2015			F		2K85	G1D	006	E	09	42	N	32	192			A OF MARSEILLE
HNG	TARNOK	12146.400	25	06	0710	1920	27.1				3K00E	G1D										STANAG 4285
J	TOKYO	12146.500	28	06	0746														154	A		
J	TOKYO	12149.830	06	04	0605			SOUND OF HOPE		BC		A3E	126	E	37	33	N	21	262	A	11	KOR
J	TOKYO	12149.840	19	04	0134			SOUND OF HOPE		BC		A3E	126	E	41	33	N	27	263	A	11	KOR
J	TOKYO	12149.840	26	04	2349			SOUND OF HOPE		BC		A3E	126	E	33	33	N	21	263	B	11	KOR
J	TOKYO	12149.850	13	04	0419			SOUND OF HOPE		BC		A3E	126	E	16	33	N	25	263	B	11	KOR
HNG	TARNOK	12150.000	25	06	0355	0427	38.3				22K0	F0N										OTHR
J	TOKYO	12150.010	02	06	0132			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12150.020	21	06	1006			SOUND OF HOPE		BC		A3E	121	E	31	33	N	21	263	A	11	KOR
J	TOKYO	12150.030	17	05	0606			SOUND OF HOPE		BC		A3E	126	E	33	33	N	15	262	B	11	KOR
J	TOKYO	12150.030	26	05	0417			SOUND OF HOPE		BC		A3E	126	E	31	33	N	23	263	B	11	KOR
J	TOKYO	12150.030	28	06	0747			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12150.050	10	05	0751			SOUND OF HOPE		BC		A3E	126	E	40	33	N	33	264	B	11	KOR
J	TOKYO	12150.050	08	06	2351			SOUND OF HOPE		BC		A3E	126	E	32	33	N	18	262	A	11	KOR
HNG	TARNOK	12160.001	25	06	1900	2000	18.0	WWCR	USA	BC	9K90	A3E										
D	ITZEHOE	12160.600	04	04	0600	0815			RUS		400HE	F1B	047	E	37	55	N	41	70			A OF KAZAN
D	ITZEHOE	12160.600	05	04	0550	0845			RUS		400HE	F1B	047	E	37	55	N	41	70			A OF KAZAN
D	ITZEHOE	12160.600	06	04	0600	0830			RUS		400HE	F1B	047	E	37	55	N	41	70			A OF KAZAN
D	ITZEHOE	12166.750	04	04	0918	1310					2K30	G1D										
D	ITZEHOE	12166.750	04	04	0918	1310			UKR		2K30	G1D	024	E	31	50	N	12	105			N OF LWIW
J	TOKYO	12181.000	28	06	0748							A1A										
D	ITZEHOE	12183.950	04	04	0600	0825			RUS		500HE	F1B	034	E	40	56	N	28	70			A OF MOSKVA
D	ITZEHOE	12183.950	05	04	0550	0845			RUS		500HE	F1B	034	E	40	56	N	28	70			A OF MOSKVA
D	ITZEHOE	12183.950	06	04	0600	0845			RUS		500HE	F1B	034	E	40	56	N	28	70			A OF MOSKVA
J	TOKYO	12184.000	06	04	0609				RUS			F1B	089	E	27	60	N	49	324	B		
J	TOKYO	12189.910	02	06	0134			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12189.910	21	06	1010			SOUND OF HOPE		BC		A3E	121	E	29	24	N	58	243	A	11	TAIWAN
J	TOKYO	12189.910	28	06	0749			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12189.920	06	04	0612			SOUND OF HOPE		BC		A3E	121	E	20	24	N	49	242	A	11	TAIWAN
J	TOKYO	12189.920	13	04	0429			SOUND OF HOPE		BC		A3E	121	E	27	24	N	44	241	B	11	TAIWAN
J	TOKYO	12189.920	26	04	2350			SOUND OF HOPE		BC		A3E	121	E	32	24	N	59	242	B	11	TAIWAN
J	TOKYO	12189.920	10	05	0755			SOUND OF HOPE		BC		A3E	120	E	53	24	N	18	241	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	12189.920	08	06	2355			SOUND OF HOPE		BC		A3E	121	E	14	25	N	10	243	A	11	TAIWAN
J	TOKYO	12189.940	02	05	1001			SOUND OF HOPE		BC		A3E	120	E	32	22	N	41	238	B	11	TAIWAN
KOR	CRMS	12190.000	22	04	0631	0631	19.3		CHN	BC		A3E									11	
KOR	CRMS	12190.000	04	05	0103	0103	-6.6		CHN	BC		A3E									11	
KOR	CRMS	12190.000	22	06	0031	0031	15.4		CHN	BC		A3E									11	
J	TOKYO	12201.700	19	04	0136				CHN			A1A	120	E	43	31	N	28	261	B		
D	ITZEHOE	12202.170	04	04	1550	1600			RUS		9K60E	G7D	038	E	46	54	N	39	48			S OF MOSKVA
HNG	TARNOK	12204.000	25	06	0433	0535	33.1				22K0	F0N										OTHR
HNG	TARNOK	12206.000	25	06	0000	0407	19.4				24K0	F0N										OTHR
D	ITZEHOE	12207.250	04	04	0600	0825			RUS		900HE	F1B	037	E	02	56	N	17	70			A OF MOSKVA
D	ITZEHOE	12207.250	05	04	0550	0845			RUS		900HE	F1B	037	E	02	56	N	17	70			A OF MOSKVA
D	ITZEHOE	12207.250	06	04	0600	0845			RUS		900HE	F1B	037	E	02	56	N	17	70			A OF MOSKVA
J	TOKYO	12209.900	21	06	1012			SOUND OF HOPE		BC		A3E	121	E	25	25	N	09	242	A	11	TAIWAN
J	TOKYO	12209.900	28	06	0753			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12209.910	26	05	0422			SOUND OF HOPE		BC		A3E	121	E	15	24	N	38	241	B	11	TAIWAN
J	TOKYO	12209.910	02	06	0135			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12209.920	10	05	0758			SOUND OF HOPE		BC		A3E	120	E	36	23	N	39	240	B	11	TAIWAN
J	TOKYO	12209.930	08	06	2358			SOUND OF HOPE		BC		A3E	121	E	21	25	N	06	242	A	11	TAIWAN
J	TOKYO	12209.990	06	04	0614			SOUND OF HOPE		BC		A3E	120	E	55	24	N	38	242	A	11	TAIWAN
J	TOKYO	12209.990	02	05	1005			SOUND OF HOPE		BC		A3E	120	E	42	23	N	17	239	A	11	TAIWAN
KOR	CRMS	12210.000	05	04	0607	0607	1.6		CHN	BC		A3E									11	
J	TOKYO	12210.000	19	04	0138			SOUND OF HOPE		BC		A3E	121	E	15	25	N	00	245	B	11	TAIWAN
KOR	CRMS	12210.000	03	05	0555	0555	-4.8		CHN	BC		A3E									11	
KOR	CRMS	12210.000	21	06	0617	0617	26.7		CHN	BC		A3E									11	
J	TOKYO	12210.010	26	04	2350			SOUND OF HOPE		BC		A3E	121	E	26	25	N	02	242	B	11	TAIWAN
HNG	TARNOK	12227.500	25	06	0022	0040	16.2				2K80	J3E										USB
J	TOKYO	12229.910	06	04	0617			SOUND OF HOPE		BC		A3E	121	E	07	23	N	50	240	B	11	TAIWAN
J	TOKYO	12229.990	26	05	0426			SOUND OF HOPE		BC		A3E	121	E	25	24	N	40	241	B	11	TAIWAN
J	TOKYO	12229.990	28	06	0754			R. FREE ASIA		BC		A3E									11	
KOR	CRMS	12230.000	05	04	0608	0608	-3.1		CHN	BC		A3E									11	
J	TOKYO	12230.000	10	05	0800			SOUND OF HOPE		BC		A3E	121	E	15	24	N	51	242	A	11	TAIWAN
KOR	CRMS	12230.000	24	05	0850	0850	17.6		CHN	BC		A3E									11	
J	TOKYO	12230.000	02	06	0137			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	12230.000	21	06	0617	0617	12.0		CHN	BC		A3E									11	
J	TOKYO	12230.010	17	05	0607			SOUND OF HOPE		BC		A3E	120	E	29	23	N	34	240	B	11	TAIWAN
J	TOKYO	12230.010	09	06	0002			SOUND OF HOPE		BC		A3E	121	E	26	24	N	59	242	A	11	TAIWAN
J	TOKYO	12230.020	02	05	1008			SOUND OF HOPE		BC		A3E	121	E	24	24	N	32	241	B	11	TAIWAN
J	TOKYO	12235.000	26	04	2351							A1A							222	C		
J	TOKYO	12235.000	28	06	0756			P5O				A1A							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
J	TOKYO	12279.900	02	06	0138			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12279.920	09	06	0010			SOUND OF HOPE		BC		A3E	120	E	29	23	N	18	240	A	11	TAIWAN
J	TOKYO	12279.930	17	05	0608			SOUND OF HOPE		BC		A3E	121	E	21	24	N	31	241	B	11	TAIWAN
J	TOKYO	12279.930	26	05	0431			SOUND OF HOPE		BC		A3E	121	E	10	24	N	47	242	B	11	TAIWAN
J	TOKYO	12279.930	21	06	1015			SOUND OF HOPE		BC		A3E	121	E	02	23	N	37	239	A	11	TAIWAN
J	TOKYO	12279.930	28	06	0758			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12279.960	02	05	1011			SOUND OF HOPE		BC		A3E	120	E	37	23	N	08	239	A	11	TAIWAN
INS	MSPA-SAMARINDA	12280.000	20	04	0002	0005	42.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
D	ITZEHOE	12281.758	01	04	0430	2400			HRV		2K40E	G1D							151			A OF RUJEVAC
INS	MSTM-MEDAN	12301.000	20	04	0150	0200	18.0	Unknown		FX	2K20E	J3E									11	Komrad
INS	MSTM-MEDAN	12309.000	20	04	0200	0210	0.0	Unknown		FX	2K20E	J3E									11	Komrad
INS	MSTM-MEDAN	12313.000	20	04	0220	0230	20.0	Unknown		FX	2K20E	J3E									11	Komrad
D	ITZEHOE	12324.900	04	04	0000	1730			BUL		2K80	G1D	025	E	32	41	N	27	131			SOUTHERN BULGARIA
D	ITZEHOE	12324.900	05	04	0400	1800			BUL		2K80	G1D	025	E	32	41	N	27	131			SOUTHERN BULGARIA
D	ITZEHOE	12324.900	06	04	0410	0705			BUL		2K80	G1D	025	E	32	41	N	27	131			SOUTHERN BULGARIA
J	TOKYO	12331.000	06	04	0619				PHL			J3E	122	E	55	13	N	59	220	B		
INS	MSTM-MEDAN	12335.000	20	04	0250	0300	19.0	Unknown		FX	2K20E	J3E									11	Komrad
J	TOKYO	12337.000	17	05	0609				RUS				135	E	08	48	N	21	344	B		
J	TOKYO	12337.000	26	05	0436				RUS			F1B	135	E	13	48	N	32	345	A		
J	TOKYO	12337.000	02	06	0139				RUS			F1B	135	E	16	49	N	23	345	A		
J	TOKYO	12337.000	09	06	0018				RUS			F1B	135	E	02	48	N	18	344	A		
J	TOKYO	12337.000	21	06	1018				RUS			F1B	135	E	13	48	N	31	345	A		
J	TOKYO	12337.000	28	06	0803				RUS			F1B	135	E	14	48	N	31	345	A		
INS	MSPA-SAMARINDA	12340.000	20	04	0005	0008	43.2		INS	MS	2K70E	J3E										FISHERMAN-SUNDANESE LANGUAGE
J	TOKYO	12342.000	27	04	0038			MUAN		FA		J2D										
J	TOKYO	12344.860	28	06	0806			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12344.880	13	04	0458			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12344.940	27	04	0008			SOUND OF HOPE		BC		A3E	127	E	15	36	N	46	280	B	11	KOR
J	TOKYO	12344.940	02	05	1012				KOR				126	E	57	37	N	08	282	A		
D	ITZEHOE	12357.890	08	04	0900	2200				BC	10K0E	A3E	005	W	52	49	N	52	253			
INS	MSPA-SAMARINDA	12362.000	20	04	0008	0012	48.3	AUSTRALIA	AUS	RM	9K00E	J3E										WILUNA (UMW)
J	TOKYO	12364.870	06	04	0622			SOUND OF HOPE		BC		A3E	120	E	33	22	N	54	239	A	11	TAIWAN
J	TOKYO	12364.870	19	04	0142			SOUND OF HOPE		BC		A3E	120	E	53	23	N	23	239	B	11	TAIWAN
J	TOKYO	12364.870	02	06	0146			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12364.870	28	06	0807			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12364.890	09	06	0021			SOUND OF HOPE		BC		A3E	120	E	27	23	N	20	240	B	11	TAIWAN
J	TOKYO	12364.900	02	05	1014			SOUND OF HOPE		BC		A3E	120	E	32	22	N	43	238	A	11	TAIWAN
J	TOKYO	12375.500	19	04	0146			XSQ		FC		F3C	119	E	55	26	N	33	250	B		
J	TOKYO	12375.500	27	04	0010			XSQ		FC		F3C	114	E	06	22	N	40	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
D	ITZEHOE	12378.200	08	04	0510	1130					2K70E	G1D	021	W	41	35	N	03	242			
J	TOKYO	12382.000	06	04	0625			XSG		FC		F3C	121	E	51	31	N	02	259	B		
J	TOKYO	12382.000	13	04	0511			XSG		FC		F3C	121	E	36	31	N	07	259	A		
J	TOKYO	12382.000	26	05	0440			XSG		FC		F3C	121	E	05	31	N	26	261	A		
J	TOKYO	12382.000	02	06	0149			XSG		FC		F3C										
J	TOKYO	12386.040	17	05	0614				RUS										236	C		
J	TOKYO	12405.000	06	04	0628				PHL			J3E	122	E	16	11	N	22	218	B		
J	TOKYO	12412.500	13	04	0519			NOJ		FC		F3C							41	C		
J	TOKYO	12412.500	02	05	1023			NOJ				F3C										
J	TOKYO	12412.500	21	06	1023			NOJ				F3C	149	W	56	60	N	39	37	B		
HNG	TARNOK	12418.500	27	06	1740	1742	18.5				2K80	J3E										USB
J	TOKYO	12429.840	17	05	0615			SOUND OF HOPE		BC		A3E	128	E	22	36	N	33	280	B	11	KOR
J	TOKYO	12429.850	02	06	0150			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12429.850	28	06	0809			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12429.860	10	05	0807			SOUND OF HOPE		BC		A3E	127	E	18	36	N	50	281	B	11	KOR
J	TOKYO	12429.860	26	05	0444			SOUND OF HOPE		BC		A3E	127	E	50	36	N	50	281	A	11	KOR
J	TOKYO	12429.890	02	05	1025			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	12495.000	19	04	2303	2306	44.1		INS	MS	2K70E	J3E										FISHERMAN-SUNDANESE LANGUAGE
J	TOKYO	12499.900	10	05	0812			SOUND OF HOPE		BC		A3E	121	E	30	24	N	51	241	B	11	TAIWAN
J	TOKYO	12499.910	13	04	0529			SOUND OF HOPE		BC		A3E	121	E	22	25	N	00	242	B	11	TAIWAN
J	TOKYO	12499.910	02	06	0154			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12499.920	09	06	0027			SOUND OF HOPE		BC		A3E	120	E	27	23	N	20	240	A	11	TAIWAN
J	TOKYO	12499.930	26	05	0448			SOUND OF HOPE		BC		A3E	121	E	05	24	N	22	241	B	11	TAIWAN
J	TOKYO	12499.940	06	04	0632			SOUND OF HOPE		BC		A3E	120	E	38	22	N	45	238	B	11	TAIWAN
J	TOKYO	12499.940	19	04	0152			SOUND OF HOPE		BC		A3E	121	E	29	23	N	57	239	A	11	TAIWAN
J	TOKYO	12499.950	02	05	1032			SOUND OF HOPE		BC		A3E	120	E	42	22	N	48	238	B	11	TAIWAN
KOR	CRMS	12500.000	05	04	0609	0609	-11.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	12500.000	19	04	2306	2309	43.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	12500.000	31	05	0727	0727	19.7		CHN	BC		A3E									11	
KOR	CRMS	12500.000	22	06	0031	0031	6.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	12525.000	19	04	2309	2312	43.8		INS	MS	2K70E	J3E										FISHERMAN-SUNDANESE LANGUAGE
J	TOKYO	12530.220	27	04	0000			SOUND OF HOPE		BC		A3E	121	E	23	24	N	50	242	B	11	TAIWAN
INS	MSPA-SAMARINDA	12540.000	19	04	2312	2316	42.6		INS	MS	2K70E	J3E										FISHERMAN-SUNDANESE LANGUAGE
HNG	TARNOK	12547.300	29	06	0255	0430	15.0				2K70E	J3E										USB
J	TOKYO	12547.400	21	06	1032				CHN			J2D	121	E	27	29	N	29	254	B		
J	TOKYO	12549.570	02	06	0155			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12549.570	28	06	0812					BC		A3E							241			
J	TOKYO	12549.610	17	05	0619				CHN	BC		A3E	120	E	44	22	N	33	238	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	12549.630	02	05	1032			SOUND OF HOPE		BC		A3E	120	E	25	23	N	20	240	B	11	TAIWAN
J	TOKYO	12549.960	13	04	0539			SOUND OF HOPE		BC		A3E	121	E	42	24	N	51	241	B	11	TAIWAN
J	TOKYO	12549.980	19	04	0156			SOUND OF HOPE		BC		A3E	121	E	00	23	N	55	240	B	11	TAIWAN
J	TOKYO	12549.990	06	04	0634			SOUND OF HOPE		BC		A3E	120	E	26	22	N	52	239	A	11	TAIWAN
J	TOKYO	12549.990	27	04	0013			SOUND OF HOPE		BC		A3E	120	E	44	23	N	56	241	B	11	TAIWAN
KOR	CRMS	12550.000	05	04	0609	0609	-4.4		CHN	BC		A3E									11	
INS	MSTM-MEDAN	12550.000	19	04	0450	0500	14.0	SOH XI Wang Zhi Sheng	CHN	BC	6K00E	A3E									11	Site Miaoli
INS	MSPA-SAMARINDA	12550.000	19	04	2316	2320	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	12550.000	25	05	0133	0133	11.4		CHN	BC		A3E									11	
INS	MSKH-KUPANG	12550.000	25	05	0350	0355	10.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
KOR	CRMS	12550.000	23	06	0552	0552	22.5		CHN	BC		A3E									11	
I	ROMA	12557.000	03	06	1214		21.0			FX	270HE	F1B							324	A		SITOR
I	ROMA	12557.000	03	06	1216		18.0			FX	270HE	F1B							189	A		SITOR
I	ROMA	12557.000	03	06	1226	1229	32.0			FX	270HE	F1B							168	A		SITOR
I	ROMA	12557.000	03	06	1300		10.0			FX	270HE	F1B							330	A		SITOR
I	ROMA	12557.000	03	06	1309	1311	37.0			FX	270HE	F1B							158	A		SITOR
J	TOKYO	12579.000	10	05	0815			HONOLULU		FC		F1B	157	W	15	21	N	05	87	B		
I	ROMA	12579.000	26	05	0721		45.0	UAT	RUS	FC	270HE	F1B							41	A		SITOR WARNING MSG
I	ROMA	12579.000	31	05	1416	1431	3.0	PREFECTURA NAVAL RAD	ARG	FC	270HE	F1B										SITOR WARNING MSG
I	ROMA	12579.000	01	06	0140	0230	12.0	NMF	USA	FC	270HE	F1B										SITOR WARNING MSG
I	ROMA	12579.000	01	06	0715		42.0	UAT	RUS	FC	270HE	F1B										SITOR ICE MSG
I	ROMA	12579.000	03	06	0812	0851	32.0	UAT	RUS	FC	270HE	F1B							40	A		SITOR ICE MSG
J	TOKYO	12579.000	28	06	0815					FC		F1B							87	A		
I	ROMA	12581.500	01	06	2300	2345	8.0	XSV	CHN	FC	270HE	F1B										SITOR
I	ROMA	12586.000	01	06	0700	0709	16.0	UDK	RUS	FC	270HE	F1B							15			SITOR
J	TOKYO	12589.000	02	06	0203							A1A							282	B		
J	TOKYO	12590.000	02	06	0158							F1B							299	B		
HNG	TARNOK	12590.000	29	06	0000	0600	25.2				300H	F1B										200Hz
HNG	TARNOK	12590.000	29	06	1830	2400	33.5				300H	F1B										200Hz 50BD
J	TOKYO	12590.010	06	04	0637							F1B							297	C		
D	ITZEHOE	12591.950	19	04	0440	0755			RUS		410H	G7D	042	E	59	56	N	04	70			W OF NIZ. NOVGOROD
D	ITZEHOE	12591.950	20	04	0610	0810			RUS		410H	G7D	042	E	59	56	N	04	70			W OF NIZ. NOVGOROD
D	ITZEHOE	12591.950	21	04	0605	0805			RUS		410H	G7D	042	E	59	56	N	04	70			W OF NIZ. NOVGOROD
J	TOKYO	12596.010	19	04	0210				RUS			F1B	132	E	58	42	N	54	323	A		
D	ITZEHOE	12603.500	22	04	0600	0715					200HE	F1B	019	E	15	38	N	51	152			MEDITERRANIAN SEA
I	ROMA	12603.500	26	05	0746	0749	48.0	SVO	GRC	FC	270HE	F1B							118	A		100 BD SITOR
D	ITZEHOE	12610.000	22	04	0455	2345			S		200HE	F1B	017	E	19	59	N	41	28			A OF STOCKHOLM
D	ITZEHOE	12610.000	22	04	1000	1050			S		200HE	F1B	017	E	19	59	N	41	28			A OF STOCKHOLM
I	ROMA	12610.000	03	06	1114	1116	30.0	1EB41EB2952	RUS	FX	250HE	F1B							14			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
J	TOKYO	12610.000	09	06	0032							F1B							338	C		
J	TOKYO	12612.960	02	05	1036			XSQ		FC		F1B										
J	TOKYO	12613.000	13	04	0545			XSQ		FC		F1B	113	E	45	22	N	55	248	B		
J	TOKYO	12613.000	19	04	0215			XSQ		FC		F1B										
INS	MSTM-MEDAN	12613.000	19	04	0640	0650	28.0	Teleprinter		FX	500HE	F1B										
INS	MSPA-SAMARINDA	12613.000	19	04	2320	2323	44.8	XSQ Guangzhou	CHN	RM	1K00E	F1B										CW Guangzhou China
J	TOKYO	12613.000	27	04	0015			XSQ		FC		F1B										
J	TOKYO	12613.000	10	05	0825			XSQ		FC		F1B										
INS	MSKH-KUPANG	12613.000	11	05	0603	0605	21.3	XSQ	CHN	FC	1K00E	A1A										GUANGZHOU RADIO (COAST STATION)
J	TOKYO	12613.000	17	05	0620			XSQ		FC		F1B										
J	TOKYO	12613.000	02	06	0206			XSQ		FC		F1B										
J	TOKYO	12613.000	09	06	0037			XSQ		FC		F1B										
J	TOKYO	12613.000	28	06	0819			XSQ		FC		F1B										
J	TOKYO	12622.500	28	06	0820			XSQ		FC		F1B										
J	TOKYO	12629.300	09	06	0041			XSQ		FC		F1B										
J	TOKYO	12637.500	06	04	0639			XSG		FC		F1B										
J	TOKYO	12637.500	13	04	0548			XSG		FC		F1B	121	E	06	31	N	35	261	B		
J	TOKYO	12637.500	19	04	0216			XSG		FC		F1B										
J	TOKYO	12637.500	27	04	0016			XSG		FC		F1B										
J	TOKYO	12637.500	02	05	1036			XSG		FC		F1B										
INS	MSKH-KUPANG	12637.500	11	05	0605	0610	16.7	XSG	CHN	FC	1K00E	A1A										SHANGHAI RADIO (CHINA COAST STATION)
J	TOKYO	12637.500	17	05	0621			XSG		FC		F1B										
J	TOKYO	12637.500	26	05	0454			XSG		FC		F1B										
J	TOKYO	12637.500	02	06	0208			XSG		FC		F1B										
J	TOKYO	12637.500	09	06	0042			XSG		FC		F3C										
J	TOKYO	12637.500	21	06	1037			XSG		FC		F1B										
J	TOKYO	12637.500	28	06	0821			XSG		FC		F1B										
D	KREFELD	12638.000	22	04	0500	1410					400HE	F1B							27			
INS	MSPA-SAMARINDA	12646.500	19	04	2323	2325	43.3	XSQ Guangzhou	CHN	RM	1K00E	F1B										CW Guangzhou China
J	TOKYO	12648.500	06	04	0640			XSQ		FC		F1B										
J	TOKYO	12648.500	19	04	0217			XSQ		FC		F1B										
J	TOKYO	12648.500	27	04	0017			XSQ		FC		F1B										
J	TOKYO	12648.500	02	05	1040			XSQ		FC		F1B										
J	TOKYO	12648.500	10	05	0830			XSQ		FC		F1B										
J	TOKYO	12648.500	17	05	0622			XSQ		FC		F1B										
J	TOKYO	12648.500	26	05	0455			XSQ		FC		F1B										
J	TOKYO	12648.500	21	06	1038			XSQ		FC		F1B										
J	TOKYO	12648.500	28	06	0822			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	12649.500	09	06	0043			XSQ		FC		F1B										
INS	MSTM-MEDAN	12654.000	19	04	0110	0125	14.0	Unknown		FX	100HE	A1A										Morse
D	ITZEHOE	12654.008	25	04	0340	2400			TUR		180H	F1B							128			A OF ANKARA
D	ITZEHOE	12654.008	26	04	0000	2400			TUR		180H	F1B	030	E	44	39	N	31	128			A OF ANKARA
D	ITZEHOE	12654.008	27	04	0000	2400			TUR		180H	F1B	030	E	44	39	N	31	128			A OF ANKARA
J	TOKYO	12666.300	06	04	0643				F			J2B	149	W	19	17	N	26	115	A		OCE
J	TOKYO	12666.380	17	05	0623														119	C		
D	KONSTANZ	12666.575	25	04	0000	0900					2K68	G1D							336			
D	KONSTANZ	12666.575	26	04	0000	2400					2K68	G1D							336			
D	KONSTANZ	12666.575	27	04	0000	2400					2K68	G1D							336			
J	TOKYO	12673.800	28	06	0824														174	A		
D	ITZEHOE	12687.305	25	04	0620	1700					2K70E	G1D							133			
D	ITZEHOE	12687.305	27	04	0725	1700					2K70E	G1D							133			
INS	MSKH-KUPANG	12700.000	25	05	0450	0455	10.2	KAPAL PANDU	INS	MS	2K80E	J3E										
J	TOKYO	12700.000	28	06	0825				KRE				126	E	06	40	N	00	295	A		
D	ITZEHOE	12702.687	03	05	0143	2400			POR		3K00E	G7D	008	W	00	40	N	30	228			A OF VISEU
D	BERLIN	12706.325	03	05	0143	2400			POR		3K00E	G7D	012	W	04	35	N	23	238			SW OF LISBOA
D	ITZEHOE	12706.991	03	05	1150	1501			KAZ		380H	F1B	064	E	57	51	N	05	72			A OF ARKALYK
D	ITZEHOE	12725.790	03	05	0143	1015					2K50E	G7D	053	W	00	68	N	57	323			
J	TOKYO	12725.800	06	04	0646				F			J2B	149	W	17	17	N	54	116	B		OCE
J	TOKYO	12725.800	28	06	0825														115	B		
J	TOKYO	12725.860	17	05	0624														119	C		
D	ITZEHOE	12731.850	02	05	0614	2127			F		3K00E	G7D	002	E	04	43	N	10	207			A OF BEAUVILLE
D	ITZEHOE	12731.850	03	05	0532	2400			F		3K00E	G7D	002	E	04	43	N	10	207			A OF BEAUVILLE
D	ITZEHOE	12737.100	03	05	0807	0842			RUS		2K00	F1B	032	E	02	54	N	47	78			A OF SMOLENSK
D	ITZEHOE	12741.000	02	05	0455	1657			FIN		290H	F1B							29			CENTRAL FINLAND
D	ITZEHOE	12741.000	03	05	0454	1654			FIN		290H	F1B							29			CENTRAL FINLAND
J	TOKYO	12755.000	28	06	0830				CHN				117	E	03	24	N	02	247	A		
J	TOKYO	12765.000	02	06	0210														247	A		
INS	MSPA-SAMARINDA	12775.000	18	04	2301	2305	45.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
D	ITZEHOE	12776.070	04	05	0250	2324			ROU		200HE	F1B	024	E	41	46	N	49	66			A OF BISTRITZ
D	ITZEHOE	12776.070	05	05	0300	2100			ROU		200HE	F1B	024	E	41	46	N	09	66			A OF BISTRITZ
J	TOKYO	12786.000	10	05	0833			NMC				F3C	122	W	20	37	N	50	54			
J	TOKYO	12786.000	28	06	0834							F3C							53	B		
D	BERLIN	12786.020	04	05	0000	2400					2K60E	G7D							267			
D	BERLIN	12786.020	05	05	0000	2400					2K60E	G7D							267			
D	BERLIN	12786.020	06	05	0000	2400					2K60E	G7D							267			
J	TOKYO	12794.960	13	04	0556			SOUND OF HOPE		BC		A3E	120	E	38	22	N	42	238	B	11	TAIWAN
J	TOKYO	12794.970	06	04	0648			SOUND OF HOPE		BC		A3E	121	E	12	23	N	35	239	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	12794.970	28	06	0835			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12794.980	27	04	0018				CHN	BC		A3E	121	E	06	24	N	27	241	B		
J	TOKYO	12794.990	09	06	0048			SOUND OF HOPE		BC		A3E	120	E	19	23	N	13	239	A	11	TAIWAN
INS	MSPA-SAMARINDA	12795.000	18	04	2305	2310	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
INS	MSTM-MEDAN	12795.000	19	04	0235	0240	18.0	SOH XI Wang Zhi Sheng	CHN	BC	8K00E	A3E									11	Site Miaoli
J	TOKYO	12795.170	17	05	0625			SOUND OF HOPE		BC		A3E	121	E	28	24	N	36	241	B	11	TAIWAN
J	TOKYO	12795.180	02	06	0212			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12795.990	02	05	1055			SOUND OF HOPE		BC		A3E	116	E	08	20	N	45	240	A	11	TAIWAN
J	TOKYO	12804.000	19	04	0221				RUS			F1B	132	E	44	42	N	58	323	A		
J	TOKYO	12804.000	17	05	0625				RUS			F1B	132	E	12	43	N	24	323	B		
J	TOKYO	12804.000	26	05	0503				RUS			F1B	131	E	42	43	N	18	321	A		
J	TOKYO	12804.000	02	06	0214				RUS			F1B	132	E	26	43	N	00	322	A		
J	TOKYO	12804.000	09	06	0047				RUS			F1B	131	E	49	43	N	33	323	A		
J	TOKYO	12804.000	21	06	1042				RUS			F1B	131	E	42	43	N	25	322	A		
J	TOKYO	12804.000	28	06	0836				RUS			F1B	132	E	03	43	N	13	323	A		
J	TOKYO	12819.870	02	06	0215			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12819.870	28	06	0841			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12819.890	26	05	0507			SOUND OF HOPE		BC		A3E	120	E	43	23	N	23	239	B	11	TAIWAN
J	TOKYO	12819.890	21	06	1044			SOUND OF HOPE		BC		A3E	121	E	10	24	N	17	241	B	11	TAIWAN
J	TOKYO	12819.910	10	05	0837			SOUND OF HOPE		BC		A3E	121	E	10	24	N	17	241	B	11	TAIWAN
J	TOKYO	12819.940	06	04	0650			SOUND OF HOPE		BC		A3E	120	E	23	23	N	21	240	A	11	TAIWAN
J	TOKYO	12819.940	09	06	0048			SOUND OF HOPE		BC		A3E	120	E	19	23	N	36	241	A	11	TAIWAN
J	TOKYO	12819.950	17	05	0626			SOUND OF HOPE		BC		A3E	121	E	23	24	N	39	241	B	11	TAIWAN
J	TOKYO	12819.970	27	04	0019			SOUND OF HOPE		BC		A3E	120	E	29	23	N	29	240	B	11	TAIWAN
J	TOKYO	12819.980	02	05	1103			SOUND OF HOPE		BC		A3E	120	E	31	23	N	33	240	A	11	TAIWAN
KOR	CRMS	12820.000	05	04	0609	0609	-4.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	12820.000	18	04	2310	2315	43.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
INS	MSTM-MEDAN	12820.000	19	04	0250	0255	16.0	SOH XI Wang Zhi Sheng	CHN	BC	8K00E	A3E									11	Site Miaoli
KOR	CRMS	12820.000	24	05	0850	0850	26.9		CHN	BC		A3E									11	
KOR	CRMS	12820.000	22	06	0031	0031	7.7		CHN	BC		A3E									11	
J	TOKYO	12823.000	09	06	0055				RUS			F1B	049	E	16	56	N	31	323	B		
D	ITZEHOE	12832.000	09	05	0000	2400			RUS		300HE	F1B	042	E	49	56	N	07	70			A OF NOVOGORAD
J	TOKYO	12834.990	28	06	0841			R. FREE ASIA		BC		A3E									11	
INS	MSPA-SAMARINDA	12835.000	18	04	2315	2320	42.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
INS	MSTM-MEDAN	12835.000	19	04	0300	0305	16.0	SOH XI Wang Zhi Sheng	CHN	BC	8K00E	A3E									11	Site Miaoli
J	TOKYO	12835.000	02	06	0217			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12835.010	10	05	0843			SOUND OF HOPE		BC		A3E	121	E	10	23	N	59	240	A	11	TAIWAN
J	TOKYO	12835.010	26	05	0508			SOUND OF HOPE		BC		A3E	121	E	12	24	N	22	241	B	11	TAIWAN
J	TOKYO	12835.010	09	06	0059			SOUND OF HOPE		BC		A3E	120	E	21	23	N	40	241	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	12835.020	17	05	0627			SOUND OF HOPE		BC		A3E	121	E	11	23	N	59	240	B	11	TAIWAN
J	TOKYO	12835.030	27	04	0020			SOUND OF HOPE		BC		A3E	121	E	16	23	N	50	240	B	11	TAIWAN
J	TOKYO	12835.030	02	05	1105			SOUND OF HOPE		BC		A3E	120	E	20	23	N	46	241	A	11	TAIWAN
J	TOKYO	12835.040	06	04	0652			SOUND OF HOPE		BC		A3E	121	E	15	24	N	08	240	A	11	TAIWAN
J	TOKYO	12843.000	06	04	0654			HLO		FC		A1A										
J	TOKYO	12843.000	19	04	0224			HLO		FC		A1A										
J	TOKYO	12843.000	27	04	0020			HLO		FC		A1A										
J	TOKYO	12843.000	02	05	1106			HLO		FC		A1A										
INS	MSKH-KUPANG	12843.000	11	05	0610	0615	14.9	HLO	KOR	FC	1K00E	A1A										SEOUL RADIO (SOUTH KOREA COAST STATION)
J	TOKYO	12843.000	17	05	0627			HLO		FC		A1A										
J	TOKYO	12843.000	26	05	0511			HLO		FC		A1A										
J	TOKYO	12843.000	02	06	0217			HLO		FC		A1A										
J	TOKYO	12843.000	09	06	0100			HLO		FC		A1A										
J	TOKYO	12843.000	28	06	0842			HLO		FC		A1A										
D	ITZEHOE	12858.800	11	05	0000	2400			SEN		2K60E	G7D	107	W	19	16	N	25	217			A OF DAKAR
D	ITZEHOE	12858.800	12	05	0000	2400			SEN		2K60E	G7D	017	W	09	16	N	25	217			A OF DAKAR
J	TOKYO	12863.000	02	05	1107			SOUND OF HOPE		BC		A3E	120	E	23	22	N	38	239	B	11	TAIWAN
J	TOKYO	12864.960	21	06	1048			SOUND OF HOPE		BC		A3E	120	E	45	23	N	28	240	A	11	TAIWAN
J	TOKYO	12864.960	28	06	0843			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12864.970	10	05	0846			SOUND OF HOPE		BC		A3E	120	E	50	23	N	55	241	B	11	TAIWAN
J	TOKYO	12864.970	02	06	0218			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12864.980	09	06	0102			SOUND OF HOPE		BC		A3E	120	E	24	23	N	35	241	A	11	TAIWAN
J	TOKYO	12864.990	17	05	0628			SOUND OF HOPE		BC		A3E	120	E	54	23	N	23	239	B	11	TAIWAN
INS	MSPA-SAMARINDA	12870.000	15	04	2301	2305	45.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	12871.000	06	04	0654							A1A										
D	ITZEHOE	12875.500	10	05	0000	2400			F		3K00	G7D	002	E	51	44	N	08	210			A OF TOULOUSE
D	ITZEHOE	12875.500	11	05	0000	2400			F		3K00	G7D	002	E	51	44	N	08	210			A OF TOULOUSE
D	ITZEHOE	12875.500	12	05	0000	2400			F		3K00	G7D	002	E	51	44	N	08	210			A OF TOULOUSE
J	TOKYO	12879.900	27	04	0021			SOUND OF HOPE		BC		A3E	120	E	48	23	N	23	239	B	11	TAIWAN
J	TOKYO	12879.910	06	04	0656			SOUND OF HOPE		BC		A3E	121	E	00	24	N	49	242	A	11	TAIWAN
J	TOKYO	12879.970	02	06	0219			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	12879.970	09	06	0108			SOUND OF HOPE		BC		A3E	121	E	27	24	N	56	242	B	11	TAIWAN
J	TOKYO	12879.970	28	06	0844			R. FREE ASIA		BC		A3E									11	
J	TOKYO	12879.980	10	05	0850			SOUND OF HOPE		BC		A3E	121	E	10	25	N	02	242	B	11	TAIWAN
J	TOKYO	12879.980	17	05	0629			SOUND OF HOPE		BC		A3E	121	E	19	24	N	29	241	B	11	TAIWAN
J	TOKYO	12879.980	26	05	0512			SOUND OF HOPE		BC		A3E	121	E	02	23	N	28	239	B	11	TAIWAN
KOR	CRMS	12880.000	05	04	0609	0609	-6.9		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	12880.000	15	04	2305	2309	45.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	12880.000	26	05	0442	0442	31.4		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	12880.000	21	06	0618	0618	17.5		CHN	BC		A3E									11	
J	TOKYO	12880.020	02	05	1112			SOUND OF HOPE		BC		A3E	121	E	34	24	N	26	240	A	11	TAIWAN
J	TOKYO	12881.000	06	04	0658				RUS			F1B	051	E	35	57	N	25	321	B		
D	ITZEHOE	12885.450	10	05	0000	2400			F		2K90E	G7D	006	E	33	44	N	21	193			NE OF MARSEILLE
D	ITZEHOE	12885.450	11	05	0000	2400			F		2K90E	G7D	006	E	33	44	N	21	193			NE OF MARSEILLE
D	ITZEHOE	12885.450	12	05	0000	2400			F		2K90E	G7D	006	E	33	44	N	21	193			NE OF MARSEILLE
INS	MSPA-SAMARINDA	12916.000	15	04	2309	2313	47.5	HLO Seoul Radio	KRE		1K00E	A1A										Morse
J	TOKYO	12916.500	19	04	0225			HLF		FC		A1A										
J	TOKYO	12916.500	02	05	1114			HLF		FC		A1A										
INS	MSKH-KUPANG	12916.500	11	05	0615	0620	21.2	HLF	KOR	FC	1K00E	A1A										SEOUL RADIO (SOUTH KOREA COAST STATION)
J	TOKYO	12916.500	09	06	0109			HLF		FC		A1A										
J	TOKYO	12916.510	06	04	0700			HLF		FC		A1A										
J	TOKYO	12916.510	27	04	0022			HLF		FC		A1A										
J	TOKYO	12916.510	17	05	0630			HLF		FC		A1A										
J	TOKYO	12916.510	26	05	0516			HLF		FC		A1A										
J	TOKYO	12916.510	02	06	0220			HLF		FC		A1A										
J	TOKYO	12916.510	28	06	0845			HLF		FC		A1A										
J	TOKYO	12923.020	06	04	0701			HLW2		FC		A1A										
J	TOKYO	12923.020	19	04	0226			HLW2		FC		A1A										
J	TOKYO	12923.020	27	04	0023			HLW2		FC		A1A										
D	ITZEHOE	12932.450	13	05	0500	2149			E		2K70E	G7D	007	W	39	35	N	13	219			A OF GIBRALTAR
J	TOKYO	12935.000	06	04	0702			HLG		FC		A1A										
INS	MSPA-SAMARINDA	12935.000	15	04	2313	2317	44.2	HLG Seoul Radio	KRE		1K00E	A1A										Morse
J	TOKYO	12935.000	19	04	0227			HLG		FC		A1A										
J	TOKYO	12935.000	27	04	0024			HLG		FC		A1A										
J	TOKYO	12935.000	02	05	1115			HLG		FC		A1A										
J	TOKYO	12935.000	17	05	0631			HLG		FC		A1A										
J	TOKYO	12935.000	26	05	0517			HLG		FC		A1A										
J	TOKYO	12935.000	02	06	0220			HLG		FC		A1A										
J	TOKYO	12935.000	09	06	0110			HLG		FC		A1A										
J	TOKYO	12935.000	28	06	0846			HLG		FC		A1A										
J	TOKYO	12943.300	28	06	0847														154	A		
J	TOKYO	12943.700	06	04	0703							J2B							156	C		
D	ITZEHOE	12950.000	16	05	0618	2400			RUS		3K00E	G7D	045	E	59	55	N	57	70			A OF NOVGOROD
D	ITZEHOE	12950.000	17	05	0315	1200			RUS		3K00E	G7D	045	E	59	55	N	57	70			A OF NOVGOROD
D	ITZEHOE	12960.000	17	05	1500	1710					2K50E	G7D							236			
D	ITZEHOE	12960.000	18	05	0936	2037					2K50E	G7D							236			
J	TOKYO	13019.710	26	05	0519			SOUND OF HOPE		BC		A3E	121	E	02	24	N	35	242	A	11	TAIWAN
J	TOKYO	13019.720	09	06	0112			SOUND OF HOPE		BC		A3E	120	E	58	24	N	25	241	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	13019.750	19	04	0230			SOUND OF HOPE		BC		A3E	121	E	05	24	N	20	241	B	11	TAIWAN
KOR	CRMS	13020.000	04	04	0524	0524	16.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	13020.000	15	04	2317	2321	43.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	13020.000	02	05	1116				CHN	BC		A3E	106	E	42	18	N	52	247	A		
KOR	CRMS	13020.000	03	05	0555	0555	0.1		CHN	BC		A3E									11	
KOR	CRMS	13020.000	09	05	0537	0537	4.6		CHN	BC		A3E									11	
J	TOKYO	13020.000	17	05	0639			CHINA N.R.		BC		A3E	108	E	20	24	N	24	277	B	11	
D	ITZEHOE	13020.000	19	05	0000	2400		XI WANG ZHI SHENQ	CHN	BC	10K0E	A3E	103	E	53	25	N	38	70			A OGF KUNMING
J	TOKYO	13020.000	02	06	0225			CHINA N.R.		BC		A3E	108	E	50	34	N	16	277	A	11	
KOR	CRMS	13020.000	07	06	0704	0704	21.6		CHN	BC		A3E									11	
J	TOKYO	13020.000	09	06	0112				CHN	BC		A3E	087	E	36	43	N	55	295	B		
KOR	CRMS	13020.000	10	06	0623	0623	18.0		CHN	BC		A3E									11	
J	TOKYO	13020.000	28	06	0852			CHINA N.R.		BC		A3E	119	E	47	28	N	40	256	B	11	
D	ITZEHOE	13033.000	19	05	0000	2400			POR		2K70E	G7D	031	W	05	41	N	46	263			
D	ITZEHOE	13033.000	20	05	0000	2400			POR		2K70E	G7D	031	W	05	41	N	46	263			
J	TOKYO	13040.000	28	06	0854				KRE				126	E	20	39	N	50	295	A		
D	ITZEHOE	13044.300	19	05	0000	2400			DJI		2K60E	G7D	044	E	18	10	N	05	134			A OF DSCHIBUTI
D	ITZEHOE	13059.350	23	05	0000	2400			E		2K90E	G7D	002	W	23	40	N	35	218			A OF MADRID
D	ITZEHOE	13059.350	24	05	0000	2400			E		2K90E	G7D	002	W	23	40	N	35	218			A OF MADRID
KOR	CRMS	13070.000	05	04	0610	0610	-5.8		CHN	BC		A3E									11	
KOR	CRMS	13070.000	06	05	0208	0208	-14.4		CHN	BC		A3E									11	
INS	MSKH-KUPANG	13070.000	24	05	0215	0218	18.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
KOR	CRMS	13070.000	24	06	0630	0630	15.1		CHN	BC		A3E									11	
J	TOKYO	13070.130	02	06	0226			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13070.130	28	06	0855			R. FREE ASIA		BC		A3E									11	
J	TOKYO	13070.140	06	04	0710			SOUND OF HOPE		BC		A3E	121	E	32	24	N	58	242	B	11	TAIWAN
J	TOKYO	13070.140	10	05	0855			SOUND OF HOPE		BC		A3E	120	E	45	23	N	26	240	B	11	TAIWAN
J	TOKYO	13070.140	26	05	0520			SOUND OF HOPE		BC		A3E	121	E	29	25	N	00	242	A	11	TAIWAN
J	TOKYO	13070.150	17	05	0641			SOUND OF HOPE		BC		A3E	121	E	07	24	N	44	242	B	11	TAIWAN
J	TOKYO	13070.160	02	05	1117			SOUND OF HOPE		BC		A3E	120	E	20	23	N	25	240	A	11	TAIWAN
D	ITZEHOE	13073.650	23	05	0000	2400					2K30E	G7D	095	W	28	22	S	51	267			PACIFIC OCEAN
D	ITZEHOE	13073.650	24	05	0000	2400					2K30E	G7D	095	W	28	22	S	51	267			PACIFIC OCEAN
I	ROMA	13089.000	14	06	2130	2225	20.0	NMN	USA	FX	2K70E	J3E										SEA METEO
I	ROMA	13089.000	14	06	2315	2337	18.0	NMN	USA	FX	2K70E	J3E										METEO
I	ROMA	13089.000	15	06	0330	0425	23.0	NRV?	USA	FX	2K70E	J3E										METEO
I	ROMA	13089.000	15	06	0430		2.0	NMC	USA	FX	2K70E	J3E										METEO
I	ROMA	13089.000	15	06	0515		22.0	NMN	USA	FX	2K70E	J3E										METEO
J	TOKYO	13107.000	06	04	0714				RUS			J2D	109	E	46	51	N	43	316	B		
KOR	CRMS	13130.000	01	04	0659	0659	8.6		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
INS	MSPA-SAMARINDA	13130.000	14	04	0310	0315	44.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	13130.000	25	04	0442	0442	20.8		CHN	BC		A3E									11	
KOR	CRMS	13130.000	02	05	0430	0430	35.4		CHN	BC		A3E									11	
J	TOKYO	13130.000	02	05	1118				CHN	BC		A3E	123	E	31	46	N	57	313	A		
KOR	CRMS	13130.000	09	05	0537	0537	13.8		CHN	BC		A3E									11	
D	ITZEHOE	13130.000	25	05	0000	2400		SOH XI WANG ZHI SHENG	CHN	BC	10K0E	A3E							68			A OF TAICHUNG
D	ITZEHOE	13130.000	27	05	0000	2400		SOH XI WANG ZHI SHENG	CHN	BC	10K0E	A3E							68			A OF TAICHUNG
J	TOKYO	13130.000	02	06	0230			CHINA N.R.		BC		A3E							247	B	11	
KOR	CRMS	13130.000	03	06	0738	0738	16.7		CHN	BC		A3E									11	
J	TOKYO	13130.000	09	06	0118				CHN	BC		A3E	108	E	55	19	N	25	248	B		
KOR	CRMS	13130.000	10	06	0624	0624	6.3		CHN	BC		A3E									11	
J	TOKYO	13130.010	28	06	0857			CHINA N.R.		BC		A3E	109	E	00	19	N	09	247	B	11	
J	TOKYO	13130.090	10	05	0858			SOUND OF HOPE		BC		A3E	121	E	22	24	N	22	241	B	11	TAIWAN
J	TOKYO	13130.090	02	06	0231			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13130.100	26	05	0523			SOUND OF HOPE		BC		A3E	121	E	07	24	N	38	241	A	11	TAIWAN
J	TOKYO	13130.100	21	06	1059			SOUND OF HOPE		BC		A3E	121	E	22	24	N	04	240	A	11	TAIWAN
J	TOKYO	13130.110	19	04	0235			SOUND OF HOPE		BC		A3E	121	E	27	25	N	04	242	A	11	TAIWAN
J	TOKYO	13130.110	27	04	0034			SOUND OF HOPE		BC		A3E	120	E	48	23	N	35	240	B	11	TAIWAN
J	TOKYO	13130.110	17	05	0643			SOUND OF HOPE		BC		A3E	121	E	27	24	N	47	241	B	11	TAIWAN
J	TOKYO	13130.130	02	05	1118			SOUND OF HOPE		BC		A3E	121	E	20	25	N	00	242	A	11	TAIWAN
J	TOKYO	13159.860	09	06	0118			SOUND OF HOPE		BC		A3E	121	E	18	25	N	09	243	B	11	TAIWAN
J	TOKYO	13159.860	21	06	1100			SOUND OF HOPE		BC		A3E	121	E	25	25	N	00	242	B	11	TAIWAN
J	TOKYO	13159.860	28	06	0900			R. FREE ASIA		BC		A3E									11	
J	TOKYO	13159.870	10	05	0900			SOUND OF HOPE		BC		A3E	121	E	10	24	N	53	242	B	11	TAIWAN
J	TOKYO	13159.870	26	05	0526			SOUND OF HOPE		BC		A3E	120	E	58	23	N	21	239	B	11	TAIWAN
J	TOKYO	13159.890	17	05	0644			SOUND OF HOPE		BC		A3E	121	E	04	23	N	15	239	B	11	TAIWAN
J	TOKYO	13159.900	27	04	0035			SOUND OF HOPE		BC		A3E	120	E	37	23	N	35	240	B	11	TAIWAN
J	TOKYO	13159.900	02	06	0232			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13159.910	06	04	0716			SOUND OF HOPE		BC		A3E	120	E	48	24	N	04	241	B	11	TAIWAN
KOR	CRMS	13160.000	05	04	0610	0610	-7.0		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	13160.000	14	04	0315	0317	43.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	13160.000	02	05	0430	0430	-7.6		CHN	BC		A3E									11	
KOR	CRMS	13160.000	22	06	0032	0032	15.5		CHN	BC		A3E									11	
D	ITZEHOE	13190.000	01	06	0525	1430			IRN	BC	10K0E	A3E	049	E	21	36	N	10	103			A OF THERAN
D	ITZEHOE	13190.000	02	06	0530	1430			IRN	BC	10K0E	A3E	049	E	21	36	N	10	103			A OF THERAN
D	ITZEHOE	13190.000	03	06	0530	1430			IRN	BC	10K0E	A3E	049	E	21	36	N	10	103			A OF THERAN
J	TOKYO	13212.010	26	05	0528				CHN			A1A	118	E	30	32	N	37	267	B		
RUS	NOVOSIBIRSK	13260.000	06	04			51.0		CHN	BC	15K3	A3E	087	E	42	45	N	34	161	A		
INS	MSKH-KUPANG	13264.000	13	05	0600	0605	4.6	EIP	IRL	FA	2K40E	J3E										SHANNON VOLMET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	BERLIN	13265.750	21	06	0000	2400		XVO	IRL	FX	3K00E	J3E							280			SHANNON
J	TOKYO	13270.000	06	04	0740			HAT YAI		FA		J2D										
J	TOKYO	13270.000	19	04	0239			HAT YAI		FA		J2D										
J	TOKYO	13270.000	10	05	0910			HAT YAI		FA		J2D										
J	TOKYO	13270.000	26	05	0534			HAT YAI		FA		J2D										
INS	MSKH-KUPANG	13270.000	14	06	0420	0425	5.7	HIGH FREQUENCY DATA LINK (HFDL)	THA	FA	2K40E	G7W										SITE HAT YAI
J	TOKYO	13270.000	21	06	1111			HAT YAI		FA		J2D										
J	TOKYO	13270.000	28	06	0909			HAT YAI		FA		J2D										
J	TOKYO	13276.000	26	05	0539			SAN FRANCISCO		FA		J2D										
INS	MSKH-KUPANG	13282.000	13	05	0610	0615	4.2	VRK	CHN	FA	2K40E	J3E										HONGKONG VOLMET
J	TOKYO	13285.000	06	04	0718			BEIJING				J3E	116	E	20	39	N	38	289	B		
INS	MSKH-KUPANG	13285.000	15	04	0455	0457	11.7	3UW-33	CHN	FA	2K80E	J3E										GUANGZHOU VOLMET STATION
INS	MSKH-KUPANG	13285.000	13	05	0700	0710	6.3	3UW-33	CHN	FA	2K40E	J3E										GUANGZHOU VOLMET
J	TOKYO	13324.000	28	06	0910			MOLOKAI		FA		J2D										
INS	MSKH-KUPANG	13351.000	14	06	0430	0434	2.0	HIGH FREQUENCY DATA LINK (HFDL)	NZL	FA	2K40E	G7W										SITE AUCKLAND
J	TOKYO	13363.900	02	06	0236				RUS				104	E	57	52	N	21	314	A		
D	ITZEHOE	13411.740	13	04	0000	2400			MTN		2K68	G7D	013	W	12	16	N	53	215			A OF KIFFA
D	ITZEHOE	13411.740	14	04	0000	2400			MTN		2K68	G7D	013	W	12	16	N	53	215			A OF KIFFA
J	TOKYO	13411.980	28	06	0913				RUS			F1B	113	E	24	51	N	57	318	A		
D	ITZEHOE	13413.350	13	04	0000	2400			F		2K70E	G7D							241			ENGLISH CHANNEL
D	ITZEHOE	13413.350	14	04	0000	2400			F		2K70E	G7D							241			ENGLISH CHANNEL
D	ITZEHOE	13419.950	13	04	0556	1700			E		1K00	F1B	001	E	30	40	N	38	206			S OF BARCELONA
D	ITZEHOE	13419.950	14	04	0600	1800			E		1K00	F1B	001	E	30	40	N	38	206			S OF BARCELONA
J	TOKYO	13428.900	02	06	0237				RUS				109	E	51	52	N	22	316	B		
J	TOKYO	13429.000	09	06	0123				RUS				109	E	49	51	N	39	316	A		
J	TOKYO	13430.350	21	06	1115				RUS			J2D	135	E	21	44	N	13	337	B		
J	TOKYO	13437.000	06	04	0721				RUS			F1B	137	E	06	50	N	26	352	B		
J	TOKYO	13469.970	02	06	0238			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13469.970	09	06	0126			SOUND OF HOPE		BC		A3E	120	E	24	23	N	40	241	A	11	TAIWAN
J	TOKYO	13469.980	10	05	0916			SOUND OF HOPE		BC		A3E	121	E	05	24	N	24	241	B	11	TAIWAN
J	TOKYO	13469.980	17	05	0645			SOUND OF HOPE		BC		A3E	120	E	29	23	N	57	241	B	11	TAIWAN
J	TOKYO	13469.980	26	05	0540			SOUND OF HOPE		BC		A3E	120	E	53	23	N	16	239	B	11	TAIWAN
J	TOKYO	13469.980	21	06	1123			SOUND OF HOPE		BC		A3E	121	E	20	23	N	59	240	A	11	TAIWAN
J	TOKYO	13469.980	28	06	0918					BC		A3E							241	A		
INS	MSTM-MEDAN	13470.000	12	04	0120	0130	17.0	UNKNOWN		BC	5K00E	A3E										
J	TOKYO	13494.940	21	06	1128			SOUND OF HOPE		BC		A3E	120	E	33	23	N	26	240	A	11	TAIWAN
J	TOKYO	13494.950	02	06	0239			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13494.950	28	06	0920			R. FREE ASIA		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	13494.970	17	05	0646			SOUND OF HOPE		BC		A3E	121	E	14	23	N	24	239	B	11	TAIWAN
J	TOKYO	13528.100	09	06	0028			A				A1A										
J	TOKYO	13528.200	28	06	0801			F				A1A	132	E	19	43	N	18	323	B		
J	TOKYO	13528.300	19	04	0132			K				A1A	158	E	02	53	N	07	30	A		
J	TOKYO	13528.300	27	04	0004			K				A1A	157	E	59	53	N	05	29	A		
J	TOKYO	13528.300	10	05	0748			K				A1A										
J	TOKYO	13528.300	17	05	0613			K				A1A							31	D		
J	TOKYO	13528.300	21	06	1005			K				A1A							28	C		
J	TOKYO	13528.300	28	06	0802			K				A1A	158	E	26	53	N	14	30	B		
J	TOKYO	13528.400	19	04	0133			M				A1A										
J	TOKYO	13528.400	17	05	0614			M				A1A							0	D		
J	TOKYO	13528.400	28	06	0803			M				A1A	139	E	06	51	N	41	357	B		
KOR	CRMS	13530.000	01	04	0659	0659	16.7		CHN	BC		A3E									11	
KOR	CRMS	13530.000	11	04	1213	1213	30.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	13530.000	12	04	0203	0205	40.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSTM-MEDAN	13530.000	12	04	0220	0230	27.0	Soh Xi Whang Zhi Sheng	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13530.000	12	04	2301	2303	44.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	13530.000	02	05	0431	0431	3.1		CHN	BC		A3E									11	
J	TOKYO	13530.000	02	05	1005			CHINA N.R.		BC		A3E	110	E	10	19	N	09	246	B	11	
KOR	CRMS	13530.000	09	05	0538	0538	8.4		CHN	BC		A3E									11	
J	TOKYO	13530.000	10	05	0754					BC		A3E							247	C		
J	TOKYO	13530.000	17	05	0615			CHINA N.R.		BC		A3E									11	
J	TOKYO	13530.000	26	05	0416			CHINA N.R.		BC		A3E	109	E	09	22	N	22	252	B	11	
J	TOKYO	13530.000	02	06	0132			CHINA N.R.		BC		A3E	109	E	11	18	N	37	246	B	11	
KOR	CRMS	13530.000	09	06	0548	0548	-1.1		CHN	BC		A3E									11	
KOR	CRMS	13530.000	10	06	0624	0624	14.2		CHN	BC		A3E									11	
J	TOKYO	13530.000	28	06	0909				CHN	BC		D7W	118	E	48	25	N	45	248	B		
J	TOKYO	13530.220	06	04	0604			SOUND OF HOPE		BC		A3E	121	E	12	24	N	18	241	B	11	TAIWAN
J	TOKYO	13530.220	13	04	0427			SOUND OF HOPE		BC		A3E	121	E	20	24	N	35	241	A	11	TAIWAN
J	TOKYO	13530.220	19	04	0134			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13530.220	10	05	0801			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13530.220	26	05	0417			SOUND OF HOPE		BC		A3E	121	E	10	24	N	58	242	B	11	TAIWAN
J	TOKYO	13530.220	02	06	0132			SOUND OF HOPE		BC		A3E	120	E	47	23	N	28	240	B	11	TAIWAN
J	TOKYO	13530.220	08	06	2348				CHN	BC		A3E	120	E	21	23	N	39	241	B		TAIWAN
J	TOKYO	13530.220	28	06	0808			SOUND OF HOPE		BC		A3E	120	E	50	24	N	20	241	A	11	TAIWAN
J	TOKYO	13545.000	28	06	0809				RUS			F1B	137	E	16	50	N	16	352	B		
J	TOKYO	13546.200	02	06	0134							F1B										
J	TOKYO	13549.940	02	06	0135			SOUND OF HOPE		BC		A3E	120	E	32	23	N	01	239	B	11	TAIWAN
J	TOKYO	13549.950	10	05	0757			SOUND OF HOPE		BC		A3E	120	E	09	23	N	21	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	13549.950	08	06	2352			SOUND OF HOPE		BC		A3E	121	E	34	24	N	53	241	B	11	TAIWAN
J	TOKYO	13549.950	21	06	1018			SOUND OF HOPE		BC		A3E	120	E	23	23	N	26	239	B	11	TAIWAN
J	TOKYO	13549.960	06	04	0605			SOUND OF HOPE		BC		A3E	121	E	29	24	N	18	240	B	11	TAIWAN
J	TOKYO	13549.960	17	05	0627			SOUND OF HOPE		BC		A3E	120	E	28	23	N	28	240	B	11	TAIWAN
J	TOKYO	13549.960	26	05	0425			SOUND OF HOPE		BC		A3E	120	E	11	23	N	03	240	B	11	TAIWAN
J	TOKYO	13549.960	28	06	0812			SOUND OF HOPE		BC		A3E	120	E	23	23	N	23	240	A	11	TAIWAN
J	TOKYO	13549.970	27	04	0003			SOUND OF HOPE		BC		A3E	120	E	33	22	N	56	239	B	11	TAIWAN
J	TOKYO	13549.980	19	04	0135			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13549.980	02	05	1006			SOUND OF HOPE		BC		A3E	121	E	17	24	N	34	241	B	11	TAIWAN
INS	MSPA-SAMARINDA	13550.000	12	04	0205	0209	41.6	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSTM-MEDAN	13550.000	12	04	0240	0250	27.0	Soh Xi Whang Zhi Sheng	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13550.000	12	04	0319	0321	44.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13550.000	12	04	2303	2306	43.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	13569.990	19	04	0137			HLL2				F3C										
J	TOKYO	13569.990	27	04	0008			HLL2				F3C	128	E	12	36	N	01	276	A		
KOR	CRMS	13570.000	11	04	1215	1215	54.2		CHN	BC		A3E										6
INS	MSPA-SAMARINDA	13570.000	12	04	0321	0323	43.4	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSKH-KUPANG	13570.000	21	04	0534	0537	10.9	HLL 2	KOR	FX	2K00E	F1C										STATION SEOUL (WEATHER FAX)
I	ROMA	13570.000	27	04	2114	2123	6.0	HLL2	KOR	FX	1K50E	F1C										FAX 120 RPM METEO
J	TOKYO	13570.000	02	05	1100			CHINA R.I.		BC		A3E	108	E	49	33	N	51	275	B	11	
J	TOKYO	13570.000	17	05	0633				KOR			F3C	128	E	24	36	N	11	276	B		
J	TOKYO	13570.000	02	06	0136			HLL2				F3C										
J	TOKYO	13570.000	21	06	1018			CHINA R.I.		BC		A3E	108	E	52	34	N	08	275	B	11	
J	TOKYO	13570.000	28	06	0815			HLL2				F3C	128	E	07	36	N	15	277	B		
KOR	CRMS	13580.000	27	04	0203	0203	46.7		CHN	BC		A3E										6
J	TOKYO	13582.000	10	05	0805				RUS			F1B	136	E	59	50	N	29	351	B		
INS	MSPA-SAMARINDA	13590.000	12	04	0209	0213	43.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13590.000	12	04	0323	0325	44.6	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13590.000	12	04	2306	2309	45.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	13590.000	21	04	0300			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	13590.000	12	05	0300			CHINA R.I.	CHN	BC		A3E										
I	ROMA	13590.000	16	05	0939	0940	20.0	ISLAMIC REP.IRAN	IRN	BC	10K0E	A3E							91	A		
INS	MSPA-SAMARINDA	13600.000	12	04	0325	0327	43.1	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13610.000	12	04	0213	0218	43.2	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13610.000	12	04	0327	0330	43.7	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	13610.000	12	04	0340	0350	30.0	VIOICE OFF CHINA	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13610.000	12	04	2309	2313	44.9	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										
J	TOKYO	13617.500	10	05	0810				RUS				136	E	59	50	N	29	351	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	13620.000	17	05	0637			RJ3				A1A										
INS	MSPA-SAMARINDA	13630.000	12	04	0218	0222	42.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSTM-MEDAN	13630.000	12	04	0400	0410	35.0	Soh Xi Whng Zhi Sheng	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13630.000	12	04	2313	2317	43.5	SOH XI WANG ZHI SHENG		BC	9K00E	A3E										TWN
I	ROMA	13635.000	16	05	0940	0940	25.0	VOICE OF TURKEY	TUR	BC	10K0E	A3E							91	A		
INS	MSPA-SAMARINDA	13640.000	12	04	0330	0335	42.6	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSTM-MEDAN	13640.000	12	04	0410	0420	23.0	Soh Xi Whng Zhi Sheng	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13640.000	12	04	2317	2320	44.6	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
J	TOKYO	13640.000	16	06	2200			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	13640.000	17	06	0818	0818	21.2		CHN	BC		A3E										6
KOR	CRMS	13640.000	22	06	0034	0034	25.7		CHN	BC		A3E										6
KOR	CRMS	13650.000	07	04	0501	0501	-2.1	KCB	KRE	BC		A3E										3
INS	MSPA-SAMARINDA	13650.000	11	04	0303	0305	45.3	VOICE OF KOREA	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13650.000	11	04	0505	0509	44.7	VOICE OF Korea	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13650.000	11	04	2305	2307	43.7	NHK WORLD RAD	J	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13650.000	12	04	0335	0345	44.1	VOICE OF KOREA	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13650.000	12	04	2320	2324	44.2	NHK WORLD RAD	J	BC	9K00E	A3E										
KOR	CRMS	13650.000	02	05	0431	0431	-5.3	KCB	KRE	BC		A3E										3
KOR	CRMS	13650.000	09	06	0549	0549	-11.9	KCB	KRE	BC		A3E										3
INS	MSPA-SAMARINDA	13655.000	11	04	0205	0208	43.2	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13655.000	11	04	0509	0512	43.9	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSTM-MEDAN	13670.000	11	04	0120	0130	16.0	Soh Xi Whang ZhiShang	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13670.000	11	04	0309	0313	32.1	PBS XINJIANG	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13670.000	11	04	0512	0515	42.7	PBS XINJIANG	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13670.000	11	04	2307	2310	44.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	13670.000	20	04	0030	0030	22.2		CHN	BC		A3E										6
KOR	CRMS	13670.000	25	04	0444	0444	23.2		CHN	BC		A3E										6
KOR	CRMS	13670.000	24	05	0853	0853	28.3		CHN	BC		A3E										6
KOR	CRMS	13670.000	17	06	0819	0819	38.5		CHN	BC		A3E										6
KOR	CRMS	13670.000	22	06	0035	0035	13.5		CHN	BC		A3E										6
INS	MSPA-SAMARINDA	13680.000	11	04	0213	0217	45.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13680.000	11	04	0313	0316	44.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13680.000	11	04	0515	0518	45.6	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSTM-MEDAN	13700.000	11	04	0150	0200	18.0	CNR 13	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13700.000	11	04	0217	0219	43.4	CNR 13	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13700.000	11	04	0316	0319	42.6	CNR 13	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13700.000	11	04	0518	0521	44.1	CNR 13	CHN	BC	9K00E	A3E										
KOR	CRMS	13700.000	04	05	0106	0106	-1.2		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	13715.000	06	04	0607				CHN	BC		D7W	102	E	47	25	N	10	262	B		
INS	MSTM-MEDAN	13730.000	11	04	0220	0230	20.0	Soh Xi Whang ZhiShang	CHN	BC		A3E										
INS	MSPA-SAMARINDA	13730.000	11	04	0319	0324	44.1	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13740.000	11	04	2314	2319	42.5	R. HABANA CUBA	CUB	BC	9K00E	A3E										
J	TOKYO	13740.000	02	06	0143				CHN	BC		D7W	102	E	59	24	N	12	261	A		
INS	MSPA-SAMARINDA	13750.000	11	04	0219	0221	45.2	R. THAILAND	THA	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13750.000	11	04	0324	0326	45.8	R. THAILAND	THA	BC	9K00E	A3E										
J	TOKYO	13750.000	21	04	0000			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	13750.000	12	05	0000			CHINA R.I.	CHN	BC		A3E										
KOR	CRMS	13750.000	26	05	0445	0445	43.9		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	13760.000	11	04	0326	0329	40.2	VOICE OF KOREA	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13760.000	11	04	0521	0524	43.6	VOICE OF Korea	KRE	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13770.000	11	04	2319	2323	43.2	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13775.000	11	04	0221	0225	44.9	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13775.000	11	04	0329	0331	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13775.000	11	04	0524	0527	43.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13780.000	11	04	0225	0228	45.3	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
INS	MSPA-SAMARINDA	13780.000	11	04	0331	0333	45.8	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										
KOR	CRMS	13790.000	06	04	0111	0111	28.9		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	13790.000	11	04	0228	0232	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13790.000	11	04	0333	0335	43.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13790.000	11	04	0527	0531	41.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	13790.000	28	04	0537	0537	28.9		USA	BC		A3E									6	
KOR	CRMS	13790.000	03	05	0556	0556	11.8		CHN	BC		A3E									6	
KOR	CRMS	13790.000	09	05	0540	0540	9.8		CHN	BC		A3E									6	
KOR	CRMS	13790.000	02	06	0504	0504	15.7		CHN	BC		A3E									6	
KOR	CRMS	13790.000	10	06	0630	0630	19.3	AGM	USA	BC		A3E									3	
KOR	CRMS	13790.000	17	06	0821	0821	37.6		CHN	BC		A3E									6	
KOR	CRMS	13795.000	06	04	0111	0111	23.6		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	13795.000	11	04	2323	2327	40.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
KOR	CRMS	13795.000	04	05	0107	0107	25.0		CHN	BC		A3E									6	
KOR	CRMS	13795.000	11	05	0047	0047	32.8		USA	BC		A3E									6	
I	ROMA	13800.000	16	05	0940	0941	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							70	A		
KOR	CRMS	13805.000	06	04	0113	0113	24.9		CHN	BC		A3E									6	
KOR	CRMS	13805.000	07	04	0503	0503	-5.3		CHN	BC		A3E									6	
KOR	CRMS	13805.000	02	05	0432	0432	14.6		CHN	BC		A3E									6	
KOR	CRMS	13805.000	10	05	0635	0635	17.4		THA	BC		A3E									6	
KOR	CRMS	13805.000	22	06	0035	0035	16.4		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	13805.000	29	06	0158	0158	46.0		CHN	BC		A3E									6	
J	TOKYO	13810.000	06	04	0608			CHINA N.R.		BC		D7W	102	E	44	24	N	23	260	B		
J	TOKYO	13810.000	02	05	1009			CHINA N.R.		BC		D7W	102	E	43	25	N	02	262	B		
J	TOKYO	13810.000	10	05	0815					BC		D7W							262	C		
J	TOKYO	13810.000	26	05	0429				CHN	BC		D7W	102	E	59	25	N	29	263	B		
J	TOKYO	13810.000	21	06	1026				CHN				102	E	44	25	N	11	262	B		
J	TOKYO	13810.000	28	06	0821			CHINA N.R.		BC		D7W	102	E	12	24	N	49	262	B		
INS	MSPA-SAMARINDA	13820.000	11	04	0236	0239	41.9	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13820.000	11	04	0338	0342	40.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13820.000	11	04	0534	0538	42.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
INS	MSPA-SAMARINDA	13820.000	11	04	2310	2314	43.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	13825.000	06	04	0609			CHINA N.R.		BC		D7W	116	E	11	39	N	48	289	A		
J	TOKYO	13825.000	26	05	0435				CHN	BC		D7W	116	E	08	39	N	46	289	A		
J	TOKYO	13825.000	02	06	0150				CHN	BC		D7W	115	E	59	39	N	26	288	A		
J	TOKYO	13825.000	28	06	0824				CHN	BC		D7W	116	E	43	39	N	35	289	B		
INS	MSPA-SAMARINDA	13840.000	11	04	2327	2331	41.9	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										TWN
J	TOKYO	13869.950	27	04	0031			SOUND OF HOPE		BC		A3E	121	E	23	25	N	08	242	B	11	TAIWAN
J	TOKYO	13869.950	27	04	0035			SOUND OF HOPE		BC		A3E	121	E	00	23	N	32	239	A	11	TAIWAN
J	TOKYO	13870.000	06	04	0610			CHINA N.R.		BC		A3E	108	E	55	19	N	02	247	B	11	KOR
KOR	CRMS	13870.000	08	04	0549	0549	32.8		CHN	BC		A3E									6	
INS	MSPA-SAMARINDA	13870.000	08	04	2310	2315	42.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	13870.000	19	04	0142			CHINA N.R.		BC		A3E	113	E	04	35	N	03	276	A	11	
J	TOKYO	13870.000	27	04	0012			CHINA N.R.		BC		A3E	113	E	17	34	N	42	275	B	11	
KOR	CRMS	13870.000	29	04	0707	0707	51.0		CHN	BC		A3E									6	
KOR	CRMS	13870.000	02	05	0433	0433	23.4		CHN	BC		A3E									6	
J	TOKYO	13870.000	02	05	1011			CHINA N.R.		BC		A3E	109	E	13	33	N	58	275	B	11	
KOR	CRMS	13870.000	09	05	0540	0540	19.9		CHN	BC		A3E									6	
J	TOKYO	13870.000	21	06	1029				PHL	BC		A3E	120	E	42	14	N	56	225	B		
KOR	CRMS	13870.000	23	06	0555	0555	43.5		CHN	BC		A3E									6	
J	TOKYO	13881.750	08	06	2359				RUS				103	E	11	52	N	17	314	B		
J	TOKYO	13889.890	28	06	0834			SOUND OF HOPE		BC		A3E	126	E	21	33	N	14	262	B	11	KOR
J	TOKYO	13889.940	02	06	0154			SOUND OF HOPE		BC		A3E	120	E	42	24	N	18	242	B	11	TAIWAN
J	TOKYO	13889.950	17	05	0646			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13889.950	26	05	0438			SOUND OF HOPE		BC		A3E	121	E	15	24	N	35	241	B	11	TAIWAN
J	TOKYO	13889.970	06	04	0615			SOUND OF HOPE		BC		A3E	121	E	08	23	N	53	240	B	11	TAIWAN
J	TOKYO	13889.970	13	04	0432			SOUND OF HOPE		BC		A3E	120	E	40	23	N	30	240	A	11	TAIWAN
J	TOKYO	13889.970	19	04	0144			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13889.970	09	06	0006			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13889.990	27	04	0016			SOUND OF HOPE		BC		A3E	121	E	39	24	N	51	241	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
KOR	CRMS	13890.000	05	04	0613	0613	1.2		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	13890.000	08	04	2315	2320	43.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	13890.000	31	05	0731	0731	23.7		CHN	BC		A3E									11	
KOR	CRMS	13890.000	24	06	0633	0633	19.5		CHN	BC		A3E									11	
J	TOKYO	13919.950	26	05	0442			SOUND OF HOPE		BC		A3E	120	E	58	24	N	02	240	B	11	TAIWAN
J	TOKYO	13919.950	02	06	0155			SOUND OF HOPE		BC		A3E	121	E	14	23	N	47	239	B	11	TAIWAN
J	TOKYO	13919.950	28	06	0845			SOUND OF HOPE		BC		A3E	120	E	38	23	N	37	240	A	11	TAIWAN
J	TOKYO	13919.960	13	04	0432			SOUND OF HOPE		BC		A3E	120	E	26	23	N	16	240	A	11	TAIWAN
J	TOKYO	13919.960	10	05	0818			SOUND OF HOPE		BC		A3E	120	E	18	23	N	44	241	B	11	TAIWAN
J	TOKYO	13919.970	06	04	0616			SOUND OF HOPE		BC		A3E	120	E	52	23	N	55	240	A	11	TAIWAN
J	TOKYO	13919.970	21	06	1045			SOUND OF HOPE		BC		A3E							242	C	11	
KOR	CRMS	13920.000	05	04	0614	0614	1.6		CHN	BC		A3E									11	
KOR	CRMS	13920.000	06	04	0113	0113	16.3		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	13920.000	08	04	2320	2325	42.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	13920.000	19	04	0145			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13920.000	27	04	0018			SOUND OF HOPE		BC		A3E	120	E	48	24	N	06	241	A	11	TAIWAN
KOR	CRMS	13920.000	02	05	0433	0433	13.0		CHN	BC		A3E									11	
KOR	CRMS	13920.000	10	05	0636	0636	24.8		CHN	BC		A3E									11	
J	TOKYO	13920.000	17	05	0651			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13920.000	26	05	0442			CHINA N.R.		BC		A3E	116	E	16	39	N	50	290	B	11	
KOR	CRMS	13920.000	02	06	0505	0505	26.5		THA	BC		A3E									11	
KOR	CRMS	13920.000	03	06	0740	0740	24.8		CHN	BC		A3E									11	
J	TOKYO	13920.000	09	06	0015				CHN	BC		A3E	087	E	49	43	N	25	297	B		
KOR	CRMS	13920.000	10	06	0630	0630	5.4		CHN	BC		A3E									11	
J	TOKYO	13920.010	02	05	1012			SOUND OF HOPE		BC		A3E	121	E	19	23	N	58	240	B	11	TAIWAN
J	TOKYO	13959.990	10	05	0827			SOUND OF HOPE		BC		A3E	120	E	18	23	N	28	241	B	11	TAIWAN
J	TOKYO	13959.990	17	05	0654			SOUND OF HOPE		BC		A3E	120	E	26	23	N	53	241	B	11	TAIWAN
J	TOKYO	13959.990	26	05	0445			SOUND OF HOPE		BC		A3E	120	E	43	23	N	32	240	B	11	TAIWAN
J	TOKYO	13959.990	02	06	0212			SOUND OF HOPE		BC		A3E	121	E	15	24	N	08	240	B	11	TAIWAN
J	TOKYO	13959.990	09	06	0019			SOUND OF HOPE		BC		A3E	120	E	28	23	N	41	241	B	11	
J	TOKYO	13959.990	21	06	1050			SOUND OF HOPE		BC		A3E							241	D	11	
J	TOKYO	13959.990	28	06	0847			SOUND OF HOPE		BC		A3E	120	E	28	23	N	39	240	B	11	TAIWAN
J	TOKYO	13960.000	06	04	0616			SOUND OF HOPE		BC		A3E	121	E	26	23	N	56	240	B	11	TAIWAN
INS	MSPA-SAMARINDA	13960.000	08	04	2325	2330	43.2	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	13960.000	13	04	0438			SOUND OF HOPE		BC		A3E	121	E	32	24	N	08	237	B	11	TAIWAN
J	TOKYO	13960.000	19	04	0146			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	13960.000	27	04	0020			SOUND OF HOPE		BC		A3E	120	E	48	23	N	10	239	B	11	TAIWAN
J	TOKYO	13960.000	02	05	1013			SOUND OF HOPE		BC		A3E	121	E	03	23	N	32	239	B	11	TAIWAN
J	TOKYO	13979.760	02	06	0213			SOUND OF HOPE		BC		A3E	107	E	11	47	N	56	307	B	11	MNG

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	13979.790	27	04	0025			SOUND OF HOPE		BC		A3E	107	E	16	48	N	11	308	A	11	MNG
J	TOKYO	13979.790	09	06	0026			SOUND OF HOPE		BC		A3E	107	E	36	47	N	46	307	B	11	MNG
J	TOKYO	13979.800	19	04	0148			SOUND OF HOPE		BC		A3E									11	
INS	MSPA-SAMARINDA	13980.000	08	04	2335	2340	44.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	13985.000	28	06	0849				RUS			F1B	082	E	31	54	N	50	315	B		
INS	MSKH-KUPANG	13988.500	21	04	0530	0533	12.9	JMH	J	FX	2K00E	F1C										STATION TOKYO (WEATHER FAX)
J	TOKYO	13993.250	21	06	1057				RUS				136	E	51	50	N	15	351	B		
J	TOKYO	13998.750	09	06	0038				RUS				137	E	18	50	N	33	352	B		
J	TOKYO	14081.000	17	05	0712				RUS			F1B	104	E	24	52	N	03	314	B		
INS	MSKH-KUPANG	14189.000	12	04	0630	0635	13.7	OT4A	BEL	AT	2K40E	J3E										NAME : THEO BEMELMANS (ON4AEK)
INS	MSKH-KUPANG	14190.000	12	04	0700	0710	14.2	EA1DLU	E	AT	2K40E	J3E										
J	TOKYO	14201.700	17	05	0718							A1A										
J	TOKYO	14201.700	09	06	0047							A1A										
J	TOKYO	14221.000	19	04	0156							F1B							300	C		
J	TOKYO	14221.000	09	06	0049							F1B										
I	ROMA	14230.000	27	06	1944	1945	21.0	EC1DJ	E	AT	2K70E	J3E										SSTV
J	TOKYO	14236.000	10	05	0843							J3E							262	C		
INS	MSKH-KUPANG	14242.000	12	04	0737	0744	11.7	S57DX	SVN	AT	2K40E	J3E										NAME : SLAVKO (ST2R)
J	TOKYO	14369.870	13	04	0448			SOUND OF HOPE		BC		A3E	120	E	50	23	N	05	239	A	11	TAIWAN
J	TOKYO	14369.880	06	04	0619				CHN	BC		A3E	121	E	22	24	N	05	240	B		
J	TOKYO	14369.880	19	04	0158			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14369.890	10	05	0848			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14369.890	02	06	0216			SOUND OF HOPE		BC		A3E	121	E	13	24	N	49	242	B	11	TAIWAN
J	TOKYO	14369.890	21	06	1111			SOUND OF HOPE		BC		A3E	120	E	21	23	N	39	240	B	11	TAIWAN
J	TOKYO	14369.890	28	06	0853			SOUND OF HOPE		BC		A3E	120	E	58	23	N	26	239	A	11	TAIWAN
J	TOKYO	14369.900	26	05	0449			SOUND OF HOPE		BC		A3E	120	E	33	23	N	19	240	B	11	TAIWAN
J	TOKYO	14369.910	17	05	0727			SOUND OF HOPE		BC		A3E	120	E	13	23	N	58	239	B	11	TAIWAN
J	TOKYO	14369.920	02	05	1023			SOUND OF HOPE		BC		A3E	121	E	24	23	N	51	239	B	11	TAIWAN
INS	MSPA-SAMARINDA	14370.000	06	04	2340	2345	42.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
INS	MSKH-KUPANG	14370.000	12	04	0800	0805	20.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
J	TOKYO	14386.800	21	06	1115														173	C		
J	TOKYO	14397.000	21	06	1125														32	C		
J	TOKYO	14429.870	10	05	0851			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14429.870	02	06	0217			SOUND OF HOPE		BC		A3E	120	E	53	22	N	58	239	B	11	TAIWAN
J	TOKYO	14429.870	28	06	0857			SOUND OF HOPE		BC		A3E	121	E	39	24	N	42	241	A	11	TAIWAN
J	TOKYO	14429.890	26	05	0451			SOUND OF HOPE		BC		A3E	120	E	16	22	N	56	239	A	11	TAIWAN
J	TOKYO	14429.900	19	04	0201			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14429.900	09	06	0057			SOUND OF HOPE		BC		A3E	120	E	31	23	N	35	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	14429.910	06	04	0620				CHN	BC		A3E	121	E	10	23	N	15	239	B		
J	TOKYO	14429.920	02	05	1023			SOUND OF HOPE		BC		A3E	120	E	18	23	N	07	240	B	11	TAIWAN
KOR	CRMS	14430.000	06	04	0114	0114	-1.8		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	14430.000	06	04	2350	2355	43.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
INS	MSKH-KUPANG	14430.000	12	04	0805	0810	15.1	SOH RELY RFA	CHN	BC	9K00E	A3E									11	SITE PINGTUNG
J	TOKYO	14430.000	13	04	0450				CHN	BC		A3E	115	E	51	39	N	46	289	A		
KOR	CRMS	14430.000	24	06	0634	0634	25.3		CHN	BC		A3E									11	
J	TOKYO	14434.000	10	05	0854				RUS			F1B	104	E	23	52	N	37	315	B		
J	TOKYO	14434.300	06	04	0621				USA			F1B	157	W	57	21	N	26	87	B		HWA
J	TOKYO	14434.300	27	04	0040				USA			F1B	155	W	40	19	N	15	88	B		HWA
J	TOKYO	14434.300	26	05	0455				USA			F1B	155	W	51	19	N	04	88	B		HWA
J	TOKYO	14434.300	02	06	0218							F1B										
INS	MSPA-SAMARINDA	14500.000	05	04	2310	2320	43.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14500.000	17	05	0736							F1B							325	C		
J	TOKYO	14500.000	28	06	0859				RUS			F1B	044	E	00	56	N	31	322	B		
J	TOKYO	14529.000	26	05	0459				RUS			J2D	105	E	01	52	N	09	314	B		
J	TOKYO	14529.750	21	06	1129				RUS				104	E	02	52	N	37	315	B		
J	TOKYO	14559.710	28	06	0908			SOUND OF HOPE		BC		A3E	127	E	54	35	N	59	276	B	11	KOR
J	TOKYO	14559.740	26	05	0505			SOUND OF HOPE		BC		A3E	128	E	07	35	N	41	274	B	11	KOR
J	TOKYO	14559.740	02	06	0227			SOUND OF HOPE		BC		A3E	121	E	09	24	N	51	242	B	11	TAIWAN
J	TOKYO	14559.770	17	05	0738				KOR	BC		A3E	128	E	46	35	N	53	275	B		
J	TOKYO	14559.770	09	06	0106				KOR	BC		A3E	128	E	56	35	N	59	276	B		
J	TOKYO	14559.780	10	05	0905					BC		A3E										
J	TOKYO	14559.810	27	04	0046			SOUND OF HOPE		BC		A3E	128	E	31	35	N	35	273	A	11	KOR
J	TOKYO	14559.820	19	04	0207			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	14560.000	04	04	0527	0527	5.9		CHN	BC		A3E									11	
INS	MSPA-SAMARINDA	14560.000	05	04	2320	2330	42.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	14560.000	11	04	1219	1219	31.9		CHN	BC		A3E									11	
KOR	CRMS	14560.000	02	05	0433	0433	23.8		CHN	BC		A3E									11	
J	TOKYO	14560.000	02	05	1024			CHINA N.R.		BC		A3E	113	E	34	23	N	17	249	B	11	
KOR	CRMS	14560.000	09	05	0541	0541	19.9		CHN	BC		A3E									11	
J	TOKYO	14560.000	10	05	0906					BC		A3E							298	D		
J	TOKYO	14560.000	26	05	0504			CHINA N.R.		BC		A3E	117	E	32	25	N	36	249	B	11	
J	TOKYO	14560.000	02	06	0226			CHINA N.R.		BC		A3E	117	E	10	23	N	44	245	B	11	
KOR	CRMS	14560.000	02	06	0505	0505	30.4		CHN	BC		A3E									11	
KOR	CRMS	14560.000	09	06	0555	0555	9.1		CHN	BC		A3E									11	
J	TOKYO	14560.000	21	06	1133				CHN	BC		A3E	119	E	32	28	N	05	252	B		
J	TOKYO	14560.000	28	06	0908				CHN	BC		D7W	108	E	49	19	N	20	248	B		
J	TOKYO	14560.010	09	06	0107					BC		A3E							247	C		

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	14580.000	05	04	2330	2335	43.3	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14580.210	27	04	0048				KOR	BC		A3E	128	E	43	35	N	23	272	A		
G	BALDOCK	14581.000	26	05				?	RUS	FX	1K00E	F1B							66	B		
J	TOKYO	14600.000	27	04	0051				CHN	BC		A3E	115	E	58	39	N	37	289	B		
J	TOKYO	14613.000	10	05	0911							F1B										
J	TOKYO	14624.610	27	04	0056				CHN			J2D	102	E	44	25	N	02	262	B		
J	TOKYO	14634.890	10	05	0914			SOUND OF HOPE		BC		A3E	120	E	33	22	N	54	239	B	11	TAIWAN
J	TOKYO	14634.890	02	06	0232			SOUND OF HOPE		BC		A3E	121	E	03	23	N	10	238	B	11	TAIWAN
J	TOKYO	14634.890	28	06	0914			SOUND OF HOPE		BC		A3E	121	E	27	24	N	40	241	A	11	TAIWAN
J	TOKYO	14634.900	13	04	0457			SOUND OF HOPE		BC		A3E	120	E	48	23	N	21	239	A	11	TAIWAN
J	TOKYO	14634.900	17	05	0740				CHN	BC		A3E	121	E	12	23	N	26	238	B		TAIWAN
J	TOKYO	14634.900	21	06	1137				CHN	BC		A3E	120	E	23	23	N	23	240	B		TAIWAN
J	TOKYO	14634.920	26	05	0510			SOUND OF HOPE		BC		A3E	120	E	31	22	N	49	239	B	11	TAIWAN
J	TOKYO	14634.920	09	06	0113				CHN	BC		A3E	120	E	09	23	N	19	240	B		TAIWAN
J	TOKYO	14634.930	27	04	0101			SOUND OF HOPE		BC		A3E	120	E	40	22	N	58	239	B	11	TAIWAN
J	TOKYO	14634.950	19	04	0212			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14634.960	06	04	0622				CHN	BC		A3E	121	E	10	23	N	27	239	B		
J	TOKYO	14634.960	02	05	1038			SOUND OF HOPE		BC		A3E	120	E	30	23	N	25	240	B	11	TAIWAN
INS	MSPA-SAMARINDA	14635.000	05	04	2335	2340	44.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14640.000	26	05	0513				KRE			J2B	126	E	21	40	N	09	296	A		
J	TOKYO	14655.000	13	04	0505				RUS			F1B	137	E	01	50	N	29	351	A		
J	TOKYO	14655.000	17	05	0744				KRE				125	E	17	40	N	09	295	B		
J	TOKYO	14670.000	10	05	0919				KRE				125	E	08	40	N	03	295	B		
INS	MSPA-SAMARINDA	14690.000	04	04	2300	2310	43.4	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14690.030	10	05	0921				CHN	BC		A3E	120	E	33	23	N	46	240	B		TAIWAN
J	TOKYO	14690.030	02	06	0233			SOUND OF HOPE		BC		A3E	121	E	23	23	N	49	239	B	11	TAIWAN
J	TOKYO	14690.030	28	06	0916			SOUND OF HOPE		BC		A3E	121	E	29	25	N	00	242	A	11	TAIWAN
J	TOKYO	14690.040	26	05	0515			SOUND OF HOPE		BC		A3E	120	E	23	23	N	41	241	B	11	TAIWAN
J	TOKYO	14690.040	09	06	0115					BC		A3E							241	C		
J	TOKYO	14690.050	06	04	0623				CHN	BC		A3E	120	E	35	22	N	59	240	B		
J	TOKYO	14690.050	13	04	0509			SOUND OF HOPE		BC		A3E	121	E	25	24	N	29	241	B	11	TAIWAN
J	TOKYO	14690.050	02	05	1039			SOUND OF HOPE		BC		A3E	121	E	00	24	N	07	241	B	11	TAIWAN
J	TOKYO	14690.060	19	04	0213			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14690.060	27	04	0104			SOUND OF HOPE		BC		A3E	120	E	16	23	N	07	240	B	11	TAIWAN
RUS	BELGOROD	14724.000	01	04	0640	0645	24.9		F		2K80		002	E	43	44	N	12				
RUS	S. PETERSBURG	14724.000	01	04	0805	0815	28.0		F	FX	3K27	G1D							243	B		
INS	MSPA-SAMARINDA	14725.000	04	04	2310	2315	43.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14774.660	26	05	0517			SOUND OF HOPE		BC		A3E	120	E	23	22	N	42	239	B	11	TAIWAN
J	TOKYO	14774.660	09	06	0118				CHN	BC		A3E	120	E	23	23	N	37	241	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	14774.700	02	06	0235			SOUND OF HOPE		BC		A3E	121	E	12	24	N	57	242	B	11	TAIWAN
J	TOKYO	14774.710	19	04	0216			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14774.710	27	04	0106			SOUND OF HOPE		BC		A3E	120	E	33	22	N	58	239	B	11	TAIWAN
J	TOKYO	14774.720	06	04	0623				CHN	BC		A3E	120	E	52	22	N	57	238	B		
INS	MSPA-SAMARINDA	14775.000	04	04	2320	2325	44.8	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	14775.000	06	04	0114	0114	-2.4		CHN	BC		A3E									11	
KOR	CRMS	14775.000	02	05	0433	0433	0.6		CHN	BC		A3E									11	
KOR	CRMS	14775.000	09	06	0555	0555	7.1		CHN	BC		A3E									11	
I	ROMA	14780.000	21	04	1134	1144	43.0			FX	40K0E								325	A		
INS	MSPA-SAMARINDA	14800.000	04	04	2325	2330	44.1	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14808.000	10	05	0928				CHN			J3E	120	E	57	23	N	00	238	B		TAIWAN
INS	MSPA-SAMARINDA	14820.000	04	04	2330	2335	42.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
J	TOKYO	14820.030	28	06	0919			SOUND OF HOPE		BC		A3E	126	E	38	33	N	23	263	B	11	KOR
J	TOKYO	14820.050	02	06	0235			SOUND OF HOPE		BC		A3E	126	E	38	33	N	18	262	B	11	KOR
J	TOKYO	14820.060	10	05	0930				KOR	BC		A3E	126	E	31	33	N	27	263	A		
J	TOKYO	14820.060	26	05	0519			SOUND OF HOPE		BC		A3E	126	E	24	33	N	21	263	A	11	KOR
J	TOKYO	14820.060	09	06	0120				KOR	BC		A3E	126	E	19	33	N	19	263	B		
J	TOKYO	14820.080	27	04	0109			SOUND OF HOPE		BC		A3E	126	E	16	33	N	19	263	A	11	KOR
J	TOKYO	14840.200	28	06	0922				AUS			J2B	130	E	36	13	S	28	192	A		
RUS	YAKUTSK	14849.700	01	04	0000	2400	53.0		CHN	BC	2K82	A3E	123	E	22	41	N	24	193	A		
J	TOKYO	14849.980	10	05	0932				CHN	BC		A3E	120	E	18	22	N	52	239	B		TAIWAN
J	TOKYO	14849.980	21	06	1140					BC		A3E							239	C		
J	TOKYO	14849.980	28	06	0924			SOUND OF HOPE		BC		A3E	120	E	45	23	N	14	239	B	11	TAIWAN
J	TOKYO	14849.990	02	06	0236			SOUND OF HOPE		BC		A3E	120	E	57	23	N	03	238	B	11	TAIWAN
INS	MSPA-SAMARINDA	14850.000	04	04	2335	2340	43.9	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	TWN
KOR	CRMS	14850.000	05	04	0615	0615	-6.0		CHN	BC		A3E									11	
KOR	CRMS	14850.000	02	05	0433	0433	4.2		CHN	BC		A3E									11	
KOR	CRMS	14850.000	03	06	0741	0741	1.0		CHN	BC		A3E									11	
J	TOKYO	14850.000	09	06	0123				CHN	BC		A3E	120	E	21	23	N	30	240	B		TAIWAN
J	TOKYO	14850.010	26	05	0521			SOUND OF HOPE		BC		A3E	120	E	23	22	N	45	239	B	11	TAIWAN
J	TOKYO	14850.020	02	05	1040			SOUND OF HOPE		BC		A3E	120	E	50	22	N	40	238	B	11	TAIWAN
KOR	CRMS	14870.000	05	04	0615	0615	-2.3		CHN	BC		A3E									11	
KOR	CRMS	14870.000	02	05	0434	0434	-0.6		CHN	BC		A3E									11	
KOR	CRMS	14870.000	02	06	0506	0506	6.0		CHN	BC		A3E									11	
J	TOKYO	14870.120	10	05	0934				CHN	BC		A3E	121	E	25	24	N	08	240	B		TAIWAN
J	TOKYO	14870.130	19	04	0220			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14870.130	26	05	0522			SOUND OF HOPE		BC		A3E	120	E	38	23	N	46	240	B	11	TAIWAN
J	TOKYO	14887.000	19	04	0222				USA			F1B	144	E	51	13	N	30	168	B		GUM
J	TOKYO	14887.400	06	04	0624				USA			F1B	144	E	41	13	N	20	169	B		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	14887.400	27	04	0112				USA			F1B	144	E	42	13	N	22	169	B		GUM
J	TOKYO	14887.400	26	05	0524				USA			F1B	144	E	38	13	N	20	169	B		GUM
J	TOKYO	14887.400	02	06	0237				USA			F1B	144	E	53	13	N	33	168	B		GUM
RUS	S. PETERSBURG	14890.000	04	04	1130	1145	45.0		CYP		22K4	P0N							175	B		
KOR	CRMS	14900.000	05	04	0615	0615	-5.5		CHN	BC		A3E									11	
J	TOKYO	14900.000	06	04	0634			CHINA N.R.		BC		A3E	087	E	17	43	N	31	297	B	11	
J	TOKYO	14900.000	19	04	0223			CHINA R.I.		BC		A3E	105	E	49	18	N	57	247		11	
J	TOKYO	14900.000	27	04	0116			CHINA N.R.		BC		A3E	129	E	20	47	N	28	328	A	11	
KOR	CRMS	14900.000	02	05	0434	0434	-6.3		CHN	BC		A3E									11	
KOR	CRMS	14900.000	23	06	0556	0556	14.4		CHN	BC		A3E									11	
J	TOKYO	14900.030	10	05	0936				CHN	BC		A3E	120	E	50	23	N	12	239	B		TAIWAN
J	TOKYO	14900.030	26	05	0526			SOUND OF HOPE		BC		A3E	120	E	11	23	N	03	240	B	11	TAIWAN
J	TOKYO	14900.030	02	06	0240			SOUND OF HOPE		BC		A3E	121	E	07	24	N	56	242	B	11	TAIWAN
J	TOKYO	14900.030	09	06	0126				CHN	BC		A3E	120	E	28	23	N	37	240	B		TAIWAN
J	TOKYO	14900.030	28	06	0926			SOUND OF HOPE		BC		A3E	120	E	40	22	N	42	238	A	11	TAIWAN
J	TOKYO	14900.040	02	05	1041			SOUND OF HOPE		BC		A3E	121	E	07	23	N	03	238	B	11	TAIWAN
RUS	YAKUTSK	14919.760	04	04	1300	1330	74.0		CHN	BC	928H	A3E	109	E	24	18	N	54	207	A		
J	TOKYO	14919.980	09	06	0127					BC		A3E							241	D		
RUS	S. PETERSBURG	14919.993	04	04	0835	0845	28.0		CHN	BC		A3E							87	B		
RUS	IRKUTSK	14920.000	04	04			12.0		CHN	BC		A3E	087	E	01	43	N	50	240	A	11	
RUS	NOVOSIBIRSK	14920.000	04	04			14.0		CHN	BC		A3E	086	E	53	43	N	38	166	A	11	
KOR	CRMS	14920.000	04	04	0527	0527	10.0		CHN	BC		A3E									11	
RUS	SMOLENSK	14920.000	04	04	0730	0830	25.0		CHN	BC	2K99	A3E	086	E	50	43	N	30	85	B	11	
RUS	NYAGAN	14920.000	04	04	1004	1008	35.0		CHN		6K58	A3E	086	E	57	43	N	43	135	A		
RUS	VERHNEYE DUBROVO	14920.000	04	04	1004	1008	35.0		CHN		6K58	A3E	086	E	57	43	N	43	118	C		
RUS	BELGOROD	14920.000	04	04	1010	1018	33.5		CHN	BC	9K50	A3E	086	E	53	44	N	09			11	
RUS	ARKHANGELSK	14920.000	04	04	1040	1050	42.0	SOH Xi wWang Zhi	CHN	BC	2K01	A3E							88	B		
J	TOKYO	14920.000	13	04	0515			SOUND OF HOPE		BC		A3E	121	E	07	24	N	29	241	A	11	TAIWAN
J	TOKYO	14920.000	27	04	0118			SOUND OF HOPE		BC		A3E	121	E	25	24	N	40	241	B	11	TAIWAN
KOR	CRMS	14920.000	27	04	0205	0205	30.1		CHN	BC		A3E									11	
KOR	CRMS	14920.000	02	05	0434	0434	11.7		CHN	BC		A3E									11	
J	TOKYO	14920.000	02	05	1042				CHN	BC		A3E	113	E	01	22	N	34	330	B		
KOR	CRMS	14920.000	10	05	0637	0637	9.6		CHN	BC		A3E									11	
J	TOKYO	14920.000	10	05	0939				CHN	BC		A3E	108	E	44	33	N	43	276	B		
J	TOKYO	14920.000	26	05	0527			CHINA N.R.		BC		A3E	086	E	23	43	N	59	298	B	11	
KOR	CRMS	14920.000	03	06	0742	0742	6.8		CHN	BC		A3E									11	
KOR	CRMS	14920.000	09	06	0555	0555	8.0		CHN	BC		A3E									11	
J	TOKYO	14920.000	28	06	0926				CHN	BC		A3E	124	E	04	47	N	11	318	B		
J	TOKYO	14920.010	19	04	0225			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	14939.930	26	05	0531			SOUND OF HOPE		BC		A3E	120	E	53	24	N	06	241	B	11	TAIWAN
J	TOKYO	14939.940	09	06	0127				CHN	BC		A3E	120	E	28	23	N	37	240	B		TAIWAN
J	TOKYO	14939.950	10	05	0941				CHN	BC		A3E	120	E	18	23	N	32	240	B		TAIWAN
J	TOKYO	14939.970	02	05	1042			SOUND OF HOPE		BC		A3E	120	E	42	22	N	56	240	B	11	TAIWAN
J	TOKYO	14939.980	19	04	0227			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14939.980	27	04	0120			SOUND OF HOPE		BC		A3E	121	E	34	24	N	58	242	B	11	TAIWAN
J	TOKYO	14979.920	09	06	0128					BC		A3E							242	D		
J	TOKYO	14979.940	26	05	0537			SOUND OF HOPE		BC		A3E	121	E	00	24	N	22	241	B	11	TAIWAN
J	TOKYO	14979.950	06	04	0635				CHN	BC		A3E	121	E	27	24	N	56	242	B		TAIWAN
J	TOKYO	14979.950	13	04	0520			SOUND OF HOPE		BC		A3E	120	E	53	24	N	33	242	B	11	TAIWAN
J	TOKYO	14979.950	19	04	0232			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	14979.950	27	04	0122			SOUND OF HOPE		BC		A3E	120	E	40	23	N	55	241	A	11	TAIWAN
RUS	IRKUTSK	14980.000	04	04			20.0		CHN	BC		A3E	086	E	50	43	N	36	240	A	11	
RUS	NOVOSIBIRSK	14980.000	04	04			23.0		CHN	BC		A3E	086	E	45	43	N	32	167	A	11	
RUS	BELGOROD	14980.000	04	04	0600	0607	33.0		CHN	BC	9K50	A3E	086	E	53	44	N	09			11	
RUS	SMOLENSK	14980.000	04	04	0730	0830	25.0		CHN	BC	2K99	A3E	086	E	50	44	N	08	84	B	11	
RUS	S. PETERSBURG	14980.000	04	04	0900	0910	32.0		CHN	BC	10K7	A3E	087	E	35	43	N	48	89	B		
RUS	VERHNEYE DUBROVO	14980.000	04	04	1044	1048	29.0		CHN		8K81	A3E	087	E	25	44	N	02	116	C		
RUS	NYAGAN	14980.000	04	04	1044	1048	29.0		CHN		8K81	A3E	087	E	25	44	N	02	136	A		
RUS	ARKHANGELSK	14980.000	04	04	1050	1100	51.0	SOH Xi wWang Zhi	CHN	BC	2K48	A3E							88	B		
KOR	CRMS	14980.000	05	04	0616	0616	9.6		CHN	BC		A3E									11	
KOR	CRMS	14980.000	27	04	0205	0205	28.7		CHN	BC		A3E									11	
KOR	CRMS	14980.000	02	05	0434	0434	5.8		CHN	BC		A3E									11	
J	TOKYO	14980.000	02	05	1043				CHN	BC		A3E	112	E	43	22	N	06	248	B		
KOR	CRMS	14980.000	06	05	0210	0210	8.4		CHN	BC		A3E									11	
J	TOKYO	14980.000	10	05	0943					BC		A3E										
J	TOKYO	14980.000	26	05	0533			CHINA N.R.		BC		A3E	086	E	33	43	N	52	298	B	11	
J	TOKYO	14980.000	02	06	0241				CHN	BC		A3E	086	E	46	43	N	16	297	B		
KOR	CRMS	14980.000	09	06	0556	0556	9.5		CHN	BC		A3E									11	
KOR	CRMS	14980.000	21	06	0635	0635	45.7		CHN	BC		A3E									11	
J	TOKYO	14980.000	28	06	0927				CHN	BC		A3E	087	E	32	44	N	02	238	B		
RUS	BELGOROD	15000.000	04	04	0635	0639	34.7	BPM	CHN	SS	40H0	A9W	109	E	01	35	N	35				
J	TOKYO	15000.000	06	04	0636			WWVH		SS		AXW										
J	TOKYO	15000.000	06	04	0636			BPM		SS		AXW										
J	TOKYO	15000.000	06	04	0745			BPM		SS		AXW	109	E	02	34	N	02	275	A		
J	TOKYO	15000.000	13	04	0620			BPM		SS		AXW										
J	TOKYO	15000.000	13	04	0620			WWVH		SS		AXW										
J	TOKYO	15000.000	19	04	0233			BPM		SS		AXW										
J	TOKYO	15000.000	19	04	0233			WWVH		SS		AXW										

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	15000.000	19	04	0420			BPM		SS		AXW	108	E	47	34	N	26	277	A		
J	TOKYO	15000.000	27	04	0124			WWVH		SS		AXW							87	C		
J	TOKYO	15000.000	27	04	0124			BPM		SS		AXW	120	E	40	23	N	55	241	A		
J	TOKYO	15000.000	01	05	2345			WWVH		SS		AXW	158	W	03	21	N	38	87	B		
J	TOKYO	15000.000	02	05	1044			WWVH		SS		AXW										
J	TOKYO	15000.000	10	05	1001			WWVH		SS		AXW	155	W	49	19	N	36	88	B		
J	TOKYO	15000.000	17	05	0745			WWVH		SS		AXW										
J	TOKYO	15000.000	17	05	0745			WWV		SS		AXW										
J	TOKYO	15000.000	17	05	0745			BPM		SS		AXW										
J	TOKYO	15000.000	26	05	0540			WWV		SS		AXW							43	C		
J	TOKYO	15000.000	26	05	0540			BPM		SS		AXW	109	E	04	34	N	50	277	B		
J	TOKYO	15000.000	26	05	0540			WWVH		SS		AXW	155	E	32	19	N	50	87	B		
J	TOKYO	15000.000	26	05	0600			WWVH		SS		AXW							87	C		
J	TOKYO	15000.000	26	05	0600			BPM		SS		AXW							277	C		
J	TOKYO	15000.000	02	06	0241			WWVH		SS		AXW										
J	TOKYO	15000.000	02	06	0241			BPM		SS		AXW										
J	TOKYO	15000.000	02	06	0415			BPM		SS		AXW	108	E	52	34	N	45	277	B		
J	TOKYO	15000.000	02	06	0415			WWV		SS		AXW										
J	TOKYO	15000.000	02	06	0415			WWVH		SS		AXW							88	B		
J	TOKYO	15000.000	09	06	0129			BPM		SS		AXW										
J	TOKYO	15000.000	09	06	0134			WWVH		SS		AXW										
J	TOKYO	15000.000	09	06	0134			BPM		SS		AXW										
J	TOKYO	15000.000	20	06	2345			WWVH		SS		AXW										
J	TOKYO	15000.000	28	06	0928			WWVH		SS		AXW	159	W	37	22	N	01	87	B		
J	TOKYO	15000.000	28	06	1000			WWVH		SS		AXW										
RUS	S. PETERSBURG	15018.000	04	04	0845	0850	32.0		I	FX	1K21	F1B	015	E	14	38	N	11	210	B		
J	TOKYO	15018.000	10	05	1005				USA			F1B	144	E	42	13	N	25	169	A		GUM
RUS	BELGOROD	15030.000	04	04	0547	0555	34.9	ALL INDIA RADIO	IND	BC	9K10	A3E	077	E	13	12	N	56			11	
J	TOKYO	15030.000	20	06	2346														274	A		
J	TOKYO	15030.000	28	06	1000			ALL INDIA R.		BC		A3E									11	
RUS	S. PETERSBURG	15030.006	04	04	0803	0820	37.0		IND	BC	15K8	A3E	076	E	33	12	N	16	124	B		
J	TOKYO	15050.010	20	06	2347			ALL INDIA R.		BC		A3E							270	B	11	
RUS	NYAGAN	15090.000	05	04	0451	0454	47.0		KWT		10K1	A3E	047	E	59	28	N	49	207	A		
RUS	VERHNEYE DUBROVO	15090.000	05	04	0451	0454	47.0		KWT		10K1	A3E	047	E	59	28	N	49	204	C		
RUS	BELGOROD	15090.000	05	04	0540	0545	49.6		KWT	BC	10K3	A3E	047	E	29	29	N	25			11	
RUS	SMOLENSK	15090.000	05	04	0930	1030	25.0		KWT	BC	2K99	A3E	047	E	40	29	N	30	183	B	11	
RUS	ARKHANGELSK	15090.000	05	04	1020	1030	30.0	Radio Azadi	KWT	BC	2K99	A3E							171	B		
RUS	S. PETERSBURG	15090.000	05	04	1325	1335	41.0		KWT	BC	15K5	A3E	047	E	42	29	N	06	151	B		
J	TOKYO	15090.000	06	04	0749			R. KUWAIT		BC		A3E	047	E	51	29	N	17	295	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	15090.000	13	04	0122					BC		A3E							295	C		
J	TOKYO	15090.000	28	06	1001			R. AZADI		BC		A3E									11	
INS	MSKH-KUPANG	15090.000	29	06	0317	0320	9.0	R AZADI (R.FREE AFGANIS)	KWT	BC	9K00E	A3E										SITE KUWAIT
KOR	CRMS	15100.000	06	04	0115	0115	30.9		CHN	BC	9K33E	A3E									6	
J	TOKYO	15100.000	02	05	0000			CHINA R.I.		BC		A3E									11	
KOR	CRMS	15100.000	04	05	0108	0108	18.6		CHN	BC		A3E									6	
KOR	CRMS	15100.000	08	06	0102	0102	17.8		CHN	BC	9K13E	A3E									6	
J	TOKYO	15100.000	09	06	0135				CHN	BC		A3E	116	E	17	39	N	48	290	B		
J	TOKYO	15100.000	20	06	2352			CHINA R.I.		BC		A3E									11	
J	TOKYO	15109.180	10	05	1009				RUS			F1B	131	E	50	43	N	14	321	A		
RUS	BELGOROD	15110.000	05	04	0545	0550	56.6		CHN	BC	7K50	A3E	075	E	43	39	N	22				
RUS	BELGOROD	15110.000	05	04	1030	1040	59.4		KWT	BC	9K90	X7E	047	E	29	29	N	25				
RUS	S. PETERSBURG	15110.000	05	04	1134	1135	40.0		KWT	BC	10K2	X7W	047	E	07	29	N	10	152	B		
RUS	S. PETERSBURG	15110.000	05	04	1239	1249	62.0		CHN	BC	10K0	A3E	087	E	35	43	N	48	89	B		
J	TOKYO	15110.000	21	04	1100			CHINA R.I.	CHN	BC		A3E										
J	TOKYO	15110.000	12	05	1100			CHINA R.I.	CHN	BC		A3E										
RUS	YAKUTSK	15119.760	05	04	0405	0507	80.0		CHN	BC	2K42	A3E	116	E	17	39	N	13	206	A		
RUS	NOVOSIBIRSK	15120.000	05	04			18.0		CHN	BC		A3E	115	E	32	39	N	00	113	A		
RUS	BELGOROD	15120.000	05	04	0550	0552	54.1		CHN	BC	8K30	A3E	116	E	13	37	N	49				
RUS	S. PETERSBURG	15120.000	05	04	0640	0650	56.0		CHN	BC		A3E	120	E	13	34	N	12	71	B		
RUS	ARKHANGELSK	15120.000	05	04	1030	1040	31.0	Radio Saudi Int	ARS	BC	1K53	A3E							172	B		
RUS	BELGOROD	15120.000	05	04	1045	1056	52.2		ARS	BC	8K10	A3E	046	E	56	24	N	11				
INS	MSKH-KUPANG	15120.000	29	06	0322	0324	11.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										SITE BEIJING
RUS	BELGOROD	15130.000	05	04	1300	1308	57.1		PHL	BC	9K70	A3E	120	E	31	15	N	33				
RUS	S. PETERSBURG	15130.000	05	04	1315	1325	62.0		CHN	BC	15K2	A3E							55	B		
INS	MSKH-KUPANG	15130.000	29	06	0325	0327	11.0	VOICE OF AMERICA	KWT	BC	9K00E	A3E										SITE KUWAIT
RUS	ARKHANGELSK	15135.000	05	04	1040	1050	33.0	China Radio Int.	CHN	BC	2K64	A3E							104	B		
KOR	CRMS	15140.000	04	04	0528	0528	8.1		CHN	BC		A3E									6	
RUS	BELGOROD	15140.000	05	04	0552	0558	49.5		CHN	BC	9K80	A3E	086	E	53	44	N	09				
KOR	CRMS	15140.000	03	05	0558	0558	9.2		CHN	BC		A3E									6	
KOR	CRMS	15140.000	09	06	0556	0556	21.8		CHN	BC		A3E									6	
RUS	BELGOROD	15145.000	05	04	0558	0601	41.1		CHN	BC	14K3	A3E	075	E	43	39	N	22				
RUS	NYAGAN	15145.000	05	04	0751	0755	30.0		CHN		9K19	A3E	108	E	46	33	N	23	116	A		
RUS	VERHNEYE DUBROVO	15145.000	05	04	0751	0755	30.0		CHN		9K19	A3E	108	E	46	33	N	23	106	C		
RUS	BELGOROD	15150.000	05	04	1040	1045	66.3		ROU	BC	6K60	A3E	026	E	38	46	N	47				
RUS	ARKHANGELSK	15150.000	05	04	1050	1100	32.0	Radio Romania int.	ROU	BC	2K67	A3E							210	B		
RUS	ARKHANGELSK	15160.000	05	04	1100	1110	33.0	China Radio Int.	CHN	BC	2K68	A3E							90	B		
J	TOKYO	15160.000	12	05	0100			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
INS	MSKH-KUPANG	15160.000	29	06	0328	0330	9.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										SITE JINHUA
RUS	YAKUTSK	15160.100	05	04	0357	0507	72.0		CHN	BC	977H	A3E	118	E	39	25	N	27	196	A		
RUS	BELGOROD	15165.000	05	04	1308	1312	53.3		CHN	BC	15K3	A3E	075	E	43	39	N	22				
RUS	S. PETERSBURG	15165.000	05	04	1333	1343	61.0		CHN	BC	14K3	A3E							55	B		
RUS	MOROZOVSK	15165.000	05	04	1615	1630	18.0		CHN	BC	6K00	A3E	119	E	30	42	N	20	65	C		
RUS	IRKUTSK	15170.000	05	04			36.0		ARS	BC		A3E	046	E	45	23	N	56	260	A		
RUS	NOVOSIBIRSK	15170.000	05	04			40.0		ARS	BC		A3E	046	E	45	23	N	56	236	A		
RUS	S. PETERSBURG	15180.000	05	04	1121	1131	58.0		CHN	BC	15K4	A3E	076	E	00	39	N	30	105	B		
RUS	ARKHANGELSK	15180.000	05	04	1130	1140	50.0	China Radio Int.	CHN	BC	2K50	A3E							106	B		
RUS	BELGOROD	15180.000	05	04	1230	1234	57.4		CHN	BC	15K0	A3E	075	E	43	39	N	22				
J	TOKYO	15180.000	09	06	0137				CHN	BC		D7W	101	E	56	25	N	22	263	B		
KOR	CRMS	15185.000	23	05	0459	0459	43.8		CHN	BC		A3E									6	
INS	MSKH-KUPANG	15190.000	29	06	0332	0334	5.0	R.INCOFIDENCIA	B	BC	9K00E	A3E										SITE BELO HORIZONTE MG
INS	MSKH-KUPANG	15195.000	29	06	0335	0338	9.0	NHK WORLD JAPAN	J	BC	9K00E	A3E										SITE IBARAGI KOGA YAMATA
RUS	YAKUTSK	15195.100	05	04	0359	0507	83.0		J	BC	2K24	A3E	139	E	03	37	N	16	162	A		
RUS	NOVOSIBIRSK	15210.000	05	04			50.0		CHN	BC		A3E	075	E	52	38	N	57	200	A		
RUS	IRKUTSK	15210.000	05	04			48.0		CHN	BC		A3E	075	E	52	38	N	57	247	A		
INS	MSKH-KUPANG	15210.000	29	06	0340	0342	5.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										SITE KASHI SAYBAGH
RUS	BELGOROD	15220.000	05	04	0701	0706	48.7		D	BC	12K0	A3E	012	E	31	52	N	43				
RUS	BELGOROD	15220.000	05	04	1025	1028	58.9		CHN	BC	15K4	A3E	075	E	43	39	N	22				
RUS	SMOLENSK	15220.000	05	04	1030	1130	40.0		CHN	BC	2K99	A3E	075	E	40	39	N	25	100	B		
RUS	S. PETERSBURG	15220.000	05	04	1057	1107	62.0		CHN	BC	15K0	A3E	076	E	00	39	N	30	105	B		
RUS	ARKHANGELSK	15220.000	05	04	1110	1120	48.0	China Radio Int.	CHN	BC	2K94	A3E							123	B		
J	TOKYO	15220.000	02	06	0425					BC		D7W										
RUS	YAKUTSK	15229.700	05	04	0407	0507	74.0		CHN	BC	566H	A3E	107	E	45	32	N	43	216	A		
RUS	BELGOROD	15230.000	05	04	0601	0605	46.5		CHN	BC	9K30	A3E	108	E	45	34	N	08				
RUS	BELGOROD	15230.000	05	04	1312	1320	58.8		UAE	BC	9K90	A3E	054	E	15	24	N	10				
J	TOKYO	15230.000	21	04	0300			CHINA R.I.	CHN	BC		A3E										
INS	MSKH-KUPANG	15230.000	29	06	0343	0345	12.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										SITE XIANYANG
RUS	BELGOROD	15235.000	05	04	1028	1030	63.2		TUR	BC	10K0	A3E	032	E	47	39	N	32				
RUS	BELGOROD	15240.000	05	04	1024	1025	64.5		TUR	BC	10K0	A3E	032	E	47	39	N	32				
RUS	MOROZOVSK	15245.000	05	04	1600	1615	20.0		KRE	BC	6K00	A3E	126	E	25	39	N	06	64	C		
I	ROMA	15245.000	09	06	1520		25.0			FX	9K00E	A3E										
RUS	BELGOROD	15245.200	05	04	0825	0829	46.1		KRE	BC	6K50	A3E	126	E	06	40	N	04				
RUS	S. PETERSBURG	15245.240	05	04	0820	0830	51.0		KRE	BC	11K9	A3E							62	B		
RUS	VERHNEYE DUBROVO	15245.300	05	04	0742	0747	42.0		KRE		4K98	A3E	125	E	03	39	N	35	84	C		
RUS	NYAGAN	15245.300	05	04	0742	0747	42.0		KRE		4K98	A3E	125	E	03	39	N	35	93	A		
I	ROMA	15245.300	16	05	1600	1613	26.0	VOICE OF KOREA	KRE	BC	9K00E	A3E										FRENCH LANGUAGE

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	15250.000	05	04	0839	0842	59.6		CHN	BC	7K80	A3E	075	E	43	39	N	22				
RUS	ARKHANGELSK	15250.000	05	04	1120	1130	44.0	Voice of America	PHL	BC	1K96	A3E							73	B		
RUS	BELGOROD	15250.000	05	04	1234	1240	60.6		CHN	BC	15K5	A3E	086	E	53	44	N	09				
KOR	CRMS	15250.000	06	04	0119	0119	23.8		CHN	BC		A3E									6	
RUS	NYAGAN	15250.000	06	04	1008	1011	23.0		CHN		2K46	A3E	103	E	49	26	N	32	126	A		
RUS	VERHNEYE DUBROVO	15250.000	06	04	1008	1011	23.0		CHN		2K46	A3E	103	E	49	26	N	32	117	C		
RUS	BELGOROD	15250.000	06	04	1124	1129	65.5		CHN	BC	9K80	A3E	075	E	43	39	N	22				
I	ROMA	15250.000	16	05	0948	0948	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							70	A		
I	ROMA	15250.000	16	05	1555	1607	36.0	R CHINA INTERNATIONAL		BC	10K0E	A3E										ENGLISH LANGUAGE
KOR	CRMS	15250.000	22	06	0038	0038	26.7		CHN	BC		A3E									6	
RUS	S. PETERSBURG	15255.000	06	04	1320	1330	60.0		TJK	BC	9K67	A3E	068	E	28	38	N	22	114	B		
RUS	BELGOROD	15255.000	06	04	1320	1327	50.8		TJK	BC	7K70	A3E	068	E	47	37	N	32				
RUS	S. PETERSBURG	15255.000	06	04	1440	1447	62.0		THA	BC	10K5	A3E	102	E	04	16	N	56	97	B		
I	ROMA	15255.000	09	06	1444		23.0	RFE	THA	FX	9K00E	A3E										
RUS	BELGOROD	15260.000	06	04	0937	0940	61.3		CHN	BC	15K7	A3E	075	E	43	39	N	22				
I	ROMA	15260.000	16	05	0949	0950	33.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
RUS	BELGOROD	15265.000	06	04	1138	1140	66.7		D	BC	9K90	A3E	008	E	29	49	N	41				
RUS	BELGOROD	15275.000	06	04	1327	1334	54.1		CHN	BC	10K6	A3E	102	E	46	25	N	02				
RUS	S. PETERSBURG	15275.000	06	04	1340	1350	70.0		CHN	BC	10K6	A3E							90	B		
I	ROMA	15275.000	16	05	1558	1608	66.0	DW		BC	10K0E	A3E										
RUS	YAKUTSK	15280.000	06	04	0701	0715	87.0		J	BC	6K56	A3E	140	E	05	36	N	29	161	A		
RUS	S. PETERSBURG	15285.000	06	04	0605	0615	51.0		ARS	BC	11K6	A3E	046	E	31	24	N	30	155	B		
RUS	SMOLENSK	15285.000	06	04	0630	0730	25.0		ARS	BC	2K99	A3E	046	E	07	24	N	32	155	B		
RUS	S. PETERSBURG	15290.000	06	04	0855	0900	56.0		F	BC	13K7	A3E	004	E	42	49	N	28	245	B		
RUS	BELGOROD	15290.000	06	04	0956	1000	45.9		F	BC	9K60	A3E	001	E	51	46	N	57				
I	ROMA	15290.000	16	05	0950	0950	20.0	WORLD RADIO NIPPON	F	BC	10K0	A3E							307	A		
RUS	SMOLENSK	15300.000	06	04	0630	0730	55.0		F	BC	2K99	A3E	001	E	53	46	N	57	253	B		
RUS	S. PETERSBURG	15300.000	06	04	0635	0650	55.0		F	BC	12K1	A3E	003	E	26	46	N	43	242	B		
RUS	BELGOROD	15300.000	06	04	0730	0736	46.8		F	BC	9K60	A3E	001	E	51	46	N	57				
I	ROMA	15300.000	16	05	0951	0951	20.0	RADIO FRANCE INTERNA	F	BC	10K0E	A3E							307	A		
RUS	NOVOSIBIRSK	15310.000	06	04			15.0		OMA	BC		A3E	059	E	21	21	N	48	218	A		
RUS	IRKUTSK	15310.000	06	04			3.0		OMA	BC		A3E	059	E	21	21	N	48	246	A		
RUS	S. PETERSBURG	15310.000	06	04	0655	0705	34.0		OMA	BC	15K0	A3E	058	E	16	21	N	08	140	B		
RUS	BELGOROD	15310.000	06	04	0736	0741	42.9		OMA	BC	9K30	A3E	059	E	37	21	N	55				
RUS	ARKHANGELSK	15310.000	06	04	1200	1210	43.0	VVS	OMA	BC	2K64	A3E							154	B		
RUS	BELGOROD	15310.000	06	04	1402	1404	76.9		G	BC	10K1	A3E	002	W	49	52	N	16				
I	ROMA	15310.000	09	06	1420		29.0			FX	9K00E	A3E										
RUS	S. PETERSBURG	15320.000	06	04	0945	0955	34.0		F	BC	15K1	A3E	002	E	30	46	N	51	243	B		
KOR	CRMS	15320.000	25	04	0450	0450	47.3		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	15320.000	02	05	0438	0438	3.9		CHN	BC		A3E									6	
KOR	CRMS	15320.000	23	05	0500	0500	42.2		CHN	BC		A3E									6	
KOR	CRMS	15320.000	22	06	0042	0042	35.9		USA	BC		A3E									6	
RUS	BELGOROD	15325.000	06	04	1334	1339	53.5		PHL	BC	11K1	A3E	120	E	31	15	N	33				
RUS	S. PETERSBURG	15335.000	06	04	0905	0925	52.0		CHN	BC	10K9	A3E	075	E	42	39	N	23	105	B		
I	ROMA	15335.000	09	06	1520		20.0	THE OVERCOMER MINIST	BUL	FX	9K00E	A3E										
I	ROMA	15335.000	10	06	1243	1245	45.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							52	A		
I	ROMA	15335.000	10	06	1500		32.0	THE OVERCOMER MINIST	BUL	FX	9K00E	A3E							79	A		
KOR	CRMS	15340.000	01	04	0703	0703	14.6		CHN	BC		A3E									6	
RUS	S. PETERSBURG	15340.000	06	04	0720	0740	35.0		CHN	BC	14K3	A3E	102	E	44	25	N	05	91	B		
RUS	ARKHANGELSK	15340.000	06	04	1210	1220	40.0		CHN	BC	2K33	A3E							88	B		
RUS	BELGOROD	15340.000	06	04	1339	1343	53.6		ROU	BC	9K90	A3E	026	E	48	47	N	22				
KOR	CRMS	15340.000	13	04	0118	0118	34.0		CHN	BC		A3E									6	
KOR	CRMS	15340.000	02	05	0439	0439	7.0		CHN	BC		A3E									6	
KOR	CRMS	15340.000	09	05	0544	0544	9.3		CHN	BC		A3E									6	
KOR	CRMS	15340.000	03	06	0746	0746	30.1		CHN	BC		A3E									6	
KOR	CRMS	15340.000	09	06	0557	0557	10.3		CHN	BC		A3E									6	
I	ROMA	15340.000	09	06	1420		39.0	R.ROMANIA	ROU	FX	9K00E	A3E										
RUS	NOVOSIBIRSK	15350.000	06	04			34.0		MNG	BC	13K8	A3E	094	E	50	49	N	28	122	A		
RUS	IRKUTSK	15350.000	06	04			4.0		MNG	BC		A3E	094	E	50	49	N	28	247	A		
RUS	BELGOROD	15350.000	06	04	0741	0745	45.6		CHN	BC	15K3	A3E	075	E	43	39	N	22				
RUS	S. PETERSBURG	15350.000	06	04	0755	0805	36.0		CHN	BC	13K3	A3E	075	E	23	38	N	38	106	B		
RUS	NYAGAN	15350.000	06	04	1012	1015	43.0		CHN		2K86	A3E	076	E	20	38	N	54	160	A		
RUS	VERHNEYE DUBROVO	15350.000	06	04	1012	1015	43.0		CHN		1K86	A3E	076	E	20	38	N	54	145	C		
KOR	CRMS	15360.000	04	04	0530	0530	37.8		CHN	BC		A3E									6	
RUS	YAKUTSK	15360.000	06	04	0035	0045	88.0		CHN	BC	1K99	A3E	109	E	34	19	N	13	207	A		
RUS	VERHNEYE DUBROVO	15360.000	06	04	1015	1018	30.0		CHN		2K81	A3E	116	E	02	24	N	24	106	C		
RUS	NYAGAN	15360.000	06	04	1015	1018	30.0		CHN		2K80	A3E	116	E	02	24	N	24	114	A		
RUS	ARKHANGELSK	15360.000	06	04	1220	1230	45.0	SOH Xi wWang Zhi	CHN	BC	1K00	A3E							88	B		
RUS	BELGOROD	15360.000	06	04	1343	1350	54.3		CHN	BC	10K5	A3E	128	E	32	48	N	38				
KOR	CRMS	15360.000	26	04	0640	0640	30.9		CHN	BC		A3E									6	
KOR	CRMS	15360.000	02	05	0439	0439	19.6		CHN	BC		A3E									6	
KOR	CRMS	15360.000	10	05	0639	0639	22.0		CHN	BC		A3E									6	
KOR	CRMS	15360.000	08	06	0105	0105	16.1		CHN	BC		A3E									6	
KOR	CRMS	15360.000	09	06	0557	0557	29.4		CHN	BC		A3E									6	
J	TOKYO	15360.970	13	04	0227				CHN				114	E	29	23	N	41	249	B		
RUS	S. PETERSBURG	15365.000	06	04	0810	0820	41.0		CHN	BC	10K3	A3E	075	E	44	39	N	22	105	B		
RUS	S. PETERSBURG	15365.000	06	04	0955	1005	39.0		ARS	BC	11K1	A3E	046	E	55	24	N	16	155	B		
RUS	BELGOROD	15365.000	06	04	1000	1004	59.1		THA	BC	7K80	A3E	103	E	12	17	N	40				

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	15365.000	06	04	1019	1023	30.0		THA		2K99	A3E	099	E	27	12	N	05	131	C		
RUS	NYAGAN	15365.000	06	04	1019	1023	30.0		THA		2K99	A3E	099	E	27	12	N	05	137	A		
RUS	SMOLENSK	15365.000	06	04	1130	1230	31.0		THA	BC	2K99	A3E	102	E	26	17	N	06	96	B		
RUS	YAKUTSK	15370.000	06	04	0235	0245	70.0		CHN	BC	2K57	A3E	114	E	26	37	N	57	208	A		
RUS	NYAGAN	15370.000	06	04	1022	1024	30.0		CHN		1K87	A3E	113	E	55	38	N	07	105	A		
RUS	VERHNEYE DUBROVO	15370.000	06	04	1022	1024	30.0		CHN		1K88	A3E	113	E	55	38	N	07	96	C		
RUS	BELGOROD	15375.000	06	04	1350	1354	49.7		TUR	BC	9K70	A3E	032	E	42	40	N	05				
RUS	S. PETERSBURG	15375.000	06	04	1450	1455	70.0		TUR	BC	9K88	A3E	029	E	22	36	N	57	181	B		
I	ROMA	15375.000	09	06	1420		30.0			FX	9K00E	A3E										
RUS	YAKUTSK	15380.000	06	04	0003	0015	81.0		CHN	BC	1K91	A3E	117	E	34	39	N	20	204	A		
RUS	SMOLENSK	15380.000	06	04	0630	0730	55.0		ARS	BC	2K99	A3E	046	E	52	24	N	49	155	B		
RUS	S. PETERSBURG	15380.000	06	04	0825	0836	54.0		CHN	BC	9K20	A3E	118	E	04	37	N	35	70	B		
RUS	BELGOROD	15380.000	06	04	1004	1011	73.0		CHN	BC	11K5	A3E	116	E	13	37	N	49				
RUS	VERHNEYE DUBROVO	15380.000	06	04	1024	1025	30.0		CHN		2K29	A3E	117	E	05	39	N	38	91	C		
RUS	NYAGAN	15380.000	06	04	1024	1025	30.0		CHN		2K29	A3E	117	E	05	39	N	38	101	A		
RUS	ARKHANGELSK	15380.000	06	04	1230	1240	42.0	Radio Saudi Int	ARS	BC	1K12	A3E							172	B		
I	ROMA	15380.000	23	05	0732	0732	32.0	RADIO SAUDI	ARS	BC	10K0E	A3E							110	A		
RUS	YAKUTSK	15390.000	06	04	0020	0030	63.0		CHN	BC	2K24	A3E	112	E	11	36	N	24	211	A		
RUS	SMOLENSK	15390.000	06	04	0730	0830	35.0		CHN	BC	2K99	A3E	111	E	11	35	N	40	76	B		
RUS	S. PETERSBURG	15390.000	06	04	0840	0850	37.0		CHN	BC	12K2	A3E	114	E	19	30	N	47	78	B		
RUS	BELGOROD	15390.000	06	04	1011	1014	65.6		CHN	BC	15K7	A3E	111	E	27	36	N	02				
RUS	NYAGAN	15390.000	06	04	1024	1026	30.0		CHN		2K87	A3E	112	E	02	37	N	00	108	A		
RUS	VERHNEYE DUBROVO	15390.000	06	04	1024	1026	30.0		CHN		1K87	A3E	112	E	02	37	N	00	98	C		
I	ROMA	15390.000	02	05	1043	1044	20.0	CNR 13	CHN	BC	10K0	A3E							55	A		
RUS	S. PETERSBURG	15400.000	06	04	1506	1514	70.0		ROU	BC	9K24	A3E	025	E	24	46	N	43	193	B		
KOR	CRMS	15410.000	01	04	0704	0704	21.0		CHN	BC		A3E									6	
RUS	YAKUTSK	15410.000	06	04	0250	0300	71.0		VTN	BC	2K04	A3E	108	E	09	14	N	44	208	A		
RUS	NYAGAN	15410.000	06	04	1026	1028	30.0		CHN		2K37	A3E	116	E	00	21	N	48	113	B		
RUS	VERHNEYE DUBROVO	15410.000	06	04	1026	1028	30.0		CHN		2K37	A3E	116	E	00	21	N	48	108	C		
RUS	ARKHANGELSK	15410.000	06	04	1240	1250	46.0	China Radio Int.	CHN	BC	2K47	A3E							120	B		
RUS	BELGOROD	15410.000	06	04	1404	1407	86.8		CHN	BC	8K50	A3E	075	E	43	39	N	22				
RUS	S. PETERSBURG	15410.000	06	04	1457	1504	50.0		CHN	BC	11K9	A3E	075	E	44	39	N	21	105	B		
KOR	CRMS	15410.000	29	04	0711	0711	44.5		CHN	BC		A3E									6	
KOR	CRMS	15410.000	02	05	0441	0441	9.1		CHN	BC		A3E									6	
KOR	CRMS	15410.000	09	05	0550	0550	20.9		CHN	BC		A3E									6	
KOR	CRMS	15410.000	02	06	0507	0507	3.4		CHN	BC		A3E									6	
KOR	CRMS	15410.000	03	06	0747	0747	16.3		CHN	BC		A3E									6	
RUS	YAKUTSK	15425.000	06	04	0114	0130	69.0		CHN	BC	2K49	A3E	106	E	57	32	N	25	217	A		
RUS	BELGOROD	15440.000	06	04	1407	1410	73.8		TJK	BC	9K70	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
RUS	IRKUTSK	15445.000	06	04			2.0		MNG	BC		A3E	094	E	23	49	N	19	247	A		
RUS	NOVOSIBIRSK	15445.000	06	04			40.0		MNG	BC	14K0	A3E	094	E	23	49	N	19		A		
RUS	BELGOROD	15450.000	06	04	1400	1402	77.5		D	BC	12K6	A3E	008	E	29	49	N	41				
RUS	S. PETERSBURG	15450.000	06	04	1520	1526	62.0		D	BC	10K9	A3E	009	E	17	50	N	35	240	B		
RUS	SMOLENSK	15450.000	07	04	1030	1130	35.0		USA	BC	2K99	A3E	144	E	39	13	N	20	72	B		
RUS	SAMARA	15450.000	07	04	1030	1045	14.0		USA	BC	10K0	A3E	144	E	39	13	N	20				
RUS	MOROZOVSK	15455.000	07	04	0600	0615	19.0		D	BC	9K00	A3E	012	E	14	52	N	43	294	B		
RUS	BELGOROD	15455.000	07	04	0616	0620	50.8		D	BC	9K20	A3E	008	E	29	49	N	41				
RUS	SMOLENSK	15455.000	07	04	0830	0930	40.0		F	BC	2K99	A3E	001	E	53	46	N	57	258	B		
RUS	BELGOROD	15460.000	07	04	1101	1107	37.9		TJK	BC	10K0	A3E	068	E	47	37	N	32				
RUS	IRKUTSK	15465.000	07	04			5.0		CHN	BC		A3E	076	E	23	39	N	28	247	A		
RUS	NOVOSIBIRSK	15465.000	07	04			25.0		CHN	BC	15K0	A3E	076	E	23	39	N	28	199	A		
RUS	BELGOROD	15465.000	07	04	0536	0540	49.4		CHN	BC	10K0	A3E	075	E	43	39	N	22				
RUS	NOVOSIBIRSK	15480.000	07	04			19.0		CHN	BC		A3E	116	E	20	39	N	43	110	A		
RUS	IRKUTSK	15480.000	07	04			10.0		CHN	BC	11K7	A3E	116	E	20	39	N	43	144	A		
RUS	YAKUTSK	15480.000	07	04	0110	0140	69.0		CHN	BC	7K67	A3E	117	E	50	41	N	04	204	A		
RUS	ARKHANGELSK	15480.000	07	04	1220	1230	32.0	Voice of China	CHN	BC	1K12	A3E							86	B		
RUS	MOROZOVSK	15490.000	07	04	0615	0630	13.0		CVA	BC	9K00	A3E	012	E	06	42	N	01	264	B		
RUS	BELGOROD	15490.000	07	04	0620	0622	49.7		I	BC	9K50	A3E	012	E	17	42	N	34				
RUS	VERHNEYE DUBROVO	15490.000	07	04	0945	0951	45.0		UAE		2K83	A3E	053	E	35	23	N	36	193	C		
RUS	NYAGAN	15490.000	07	04	0945	0951	45.0		UAE		2K83	A3E	053	E	35	23	N	36	197	A		
RUS	BELGOROD	15490.000	07	04	1004	1008	43.4		OMA	BC	9K30	A3E	059	E	37	21	N	55				
I	ROMA	15490.000	26	04	0743	0745	35.0	BBC	G	BC	10K0E	A3E							211	A		ASCENSION
I	ROMA	15490.000	23	05	0737	0737	50.0	BBC	CVA	BC	10K0E	A3E							313	A		
RUS	ARKHANGELSK	15505.000	07	04	1230	1240	35.0		BGD	BC	1K68	A3E							128	B		
RUS	NOVOSIBIRSK	15515.000	07	04			12.0		TJK	BC		A3E	068	E	54	38	N	12	216	A		
RUS	VERHNEYE DUBROVO	15524.500	07	04	1003	1007	43.0		ARS		1K99	A3E	053	E	20	21	N	39	193	C		
RUS	NYAGAN	15524.500	07	04	1003	1007	43.0		ARS		1K99	A3E	053	E	20	21	N	39	197	A		
RUS	BELGOROD	15525.000	07	04	0950	0956	57.3		CHN	BC	10K5	A3E	086	E	53	44	N	09				
I	ROMA	15525.000	02	05	1047	1048	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0	A3E							60	A		
I	ROMA	15530.000	23	05	0740	0740	46.0	RADIO KUWAIT	KWT	BC	9K00E	A3E							102	A		
RUS	IRKUTSK	15540.000	07	04			10.0		CHN	BC		A3E	111	E	33	35	N	55	162	A		
RUS	NOVOSIBIRSK	15540.000	07	04			25.0		CHN	BC		A3E	111	E	33	35	N	55	122	A		
RUS	BELGOROD	15540.000	07	04	0622	0626	61.8		CHN	BC	9K20	A3E	111	E	27	36	N	02				
RUS	VERHNEYE DUBROVO	15540.000	07	04	1007	1010	45.0		CHN		2K81	A3E	111	E	33	36	N	57	99	C		
RUS	NYAGAN	15540.000	07	04	1007	1010	45.0		CHN		2K81	A3E	111	E	33	36	N	57	110	A		
KOR	CRMS	15540.000	22	04	0651	0651	47.2		CHN	BC		A3E									6	
I	ROMA	15540.000	02	05	1050	1051	20.0	CNR 2	CHN	BC	10K0	A3E							55	A		
KOR	CRMS	15540.000	04	05	0110	0110	4.7		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	15540.000	23	06	0600	0600	35.9		CHN	BC		A3E									6	
RUS	YAKUTSK	15550.000	07	04	0535	0605	83.0		CHN	BC	6K23	A3E	116	E	42	40	N	23	206	A		
HNG	TARNOK	15551.000	13	06	1551	1651	25.9				20K0E	F0N										OTHR
RUS	SMOLENSK	15560.000	07	04	0830	0930	40.0		CHN	BC	2K99	A3E	107	E	41	34	N	27	80	B		
RUS	BELGOROD	15560.000	07	04	0845	0848	58.8		CHN	BC	9K50	A3E	107	E	41	34	N	29				
I	ROMA	15565.000	01	05	1658	1705	47.0	VATICAN RADIO	CVA	BC	10K0E	A3E										FRENCH LANGUAGE
RUS	NOVOSIBIRSK	15570.000	07	04			12.0		CHN	BC		A3E	109	E	05	34	N	11	128	A		
RUS	BELGOROD	15570.000	07	04	0639	0646	58.8		CHN	BC	4K50	A3E	111	E	27	36	N	02				
RUS	NYAGAN	15570.000	07	04	1015	1019	30.0		CHN		2K45	A3E	105	E	57	35	N	29	117	A		
RUS	VERHNEYE DUBROVO	15570.000	07	04	1015	1019	30.0		CHN		2K45	A3E	105	E	57	35	N	29	106	C		
RUS	NOVOSIBIRSK	15575.000	07	04			10.0		KOR	BC		A3E	127	E	59	36	N	10	103	A		
RUS	IRKUTSK	15575.000	07	04	1300	1330	16.0		KOR	BC	8K50	A3E	127	E	59	36	N	10	127	A		
RUS	IRKUTSK	15590.000	07	04			13.0		CHN	BC		A3E	086	E	49	43	N	56	241	A		
RUS	NOVOSIBIRSK	15590.000	07	04			20.0		CHN	BC	10K4	A3E	102	E	38	25	N	11	146	A		
RUS	BELGOROD	15590.000	07	04	1205	1210	69.1		CHN	BC	10K4	A3E	086	E	53	44	N	09				
RUS	ARKHANGELSK	15590.000	07	04	1240	1250	61.0	China Radio Int.	CHN	BC	1K70	A3E							106	B		
J	TOKYO	15590.000	02	06	0437				CHN	BC		D7W	102	E	39	25	N	18	263	A		
I	ROMA	15595.000	15	04	1156	1159	90.0	VATICAN RADIO	CVA	BC	10K0E	A3E							284	A		ENGLISH LANGUAGE
J	TOKYO	15601.500	17	05	0751							F1B							170	B		
J	TOKYO	15601.500	28	06	1010				USA			F1B	144	E	43	13	N	23	169	A		GUM
J	TOKYO	15601.510	09	06	0141				USA			F1B	144	E	47	13	N	28	168	B		GUM
KOR	CRMS	15610.000	06	05	0214	0214	29.0		CHN	BC		A3E									6	
KOR	CRMS	15610.000	08	06	0107	0107	22.9		CHN	BC		A3E									6	
J	TOKYO	15615.000	13	04	0635				AUS			F3C	120	E	38	20	S	14	201	B		
INS	MSKH-KUPANG	15615.000	21	04	0634	0638	25.2	VMW	AUS	FX	2K00E	F1C										STATION WILUNA (WEATHER FAX)
J	TOKYO	15615.000	02	05	0026			VMW				F3C	119	E	43	22	S	43	201	B		
J	TOKYO	15615.000	10	05	1016				AUS			F3C	116	E	07	31	S	53	201	B		
RUS	NYAGAN	15629.800	07	04	1035	1037	30.0		UZB		2K95	A3E	069	E	12	40	N	27	172	A		
RUS	VERHNEYE DUBROVO	15629.800	07	04	1035	1037	30.0		UZB		2K95	A3E	069	E	12	40	N	27	159	C		
RUS	NOVOSIBIRSK	15630.000	07	04			22.0		UZB	BC	10K5	A3E	069	E	02	41	N	02	220	A		
RUS	IRKUTSK	15630.000	07	04			8.0		UZB	BC		A3E	069	E	02	41	N	02	259	A		
RUS	BELGOROD	15630.000	07	04	0626	0639	54.3		UZB	BC	8K20	A3E	069	E	09	41	N	13				
RUS	SMOLENSK	15630.000	07	04	0830	0930	40.0		UZB	BC	2K99	A3E	069	E	09	41	N	13	104	B		
RUS	ARKHANGELSK	15630.000	07	04	1250	1300	53.0	Radio Iran int.	UZB	BC	1K41	A3E							126	B		
I	ROMA	15630.000	02	05	1053	1054	20.0	R.IRAN INTERNATIONAL	UZB	BC	10K0	A3E							71	A		
I	ROMA	15630.000	23	05	0742	0743	20.0	R.IRAN INTERNATIONAL	UZB	BC	10K0	A3E							71	A		
J	TOKYO	15658.000	02	05	0029				RUS			F1B	136	E	56	50	N	48	351	B		
J	TOKYO	15658.000	17	05	0755				RUS			F1B	137	E	02	50	N	25	351	A		
J	TOKYO	15658.000	26	05	0621							F1B							352	D		

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	15658.000	20	06	2359				RUS			F1B	137	E	07	50	N	31	351	A		
RUS	SMOLENSK	15660.000	08	04	1030	1130	35.0		CHN	BC	2K99	A3E	075	E	42	39	N	21	99	B		
RUS	S. PETERSBURG	15660.000	08	04	1120	1130	39.0		CHN	BC	10K2	A3E	081	E	50	39	N	25	99	B		
RUS	NOVOSIBIRSK	15665.000	08	04	0500	0530	43.0		CHN	BC	10K5	A3E	087	E	23	43	N	46	164	A		
RUS	IRKUTSK	15665.000	08	04	0600	0630	10.0		CHN	BC		A3E	087	E	03	43	N	45	240	A		
RUS	BELGOROD	15665.000	08	04	0810	0814	52.2		CHN	BC	10K5	A3E	086	E	53	44	N	09				
RUS	NYAGAN	15665.000	08	04	0850	0854	56.0		CHN		9K94	A3E	087	E	20	43	N	30	135	A		
RUS	VERHNEYE DUBROVO	15665.000	08	04	0850	0854	56.0		CHN		9K93	A3E	087	E	20	43	N	30	118	C		
RUS	SMOLENSK	15665.000	08	04	0930	1030	55.0		CHN	BC	2K99	A3E	086	E	50	44	N	08	84	B		
J	TOKYO	15681.900	17	05	0758				RUS				113	E	07	51	N	59	318	A		
RUS	BELGOROD	15690.000	08	04	0710	0714	54.5		D	BC	9K90	A3E	008	E	29	49	N	41				
RUS	SMOLENSK	15690.000	08	04	0930	1030	55.0		D	BC	2K99	A3E	008	E	29	49	N	41	260	B		
RUS	S. PETERSBURG	15690.000	08	04	1005	1015	48.0		D	BC	9K32	A3E	010	E	05	51	N	08	240	B		
RUS	ARKHANGELSK	15690.000	08	04	1250	1300	46.0		CHN	BC	1K97	A3E							85	B		
J	TOKYO	15695.000	26	05	0627				CHN	BC		D7W	102	E	37	25	N	02	262	B		
INS	MSCK-TANGERANG	15710.000	01	04	0200	0230		CNR 6	CHN	BC	9K00	A3E										
INS	MSCK-TANGERANG	15720.000	01	04	0230	0300		R.NEW ZEALAND INT.	NZL	BC	9K00	A3E										
RUS	IRKUTSK	15720.000	08	04	0615	0645	3.0		CHN	BC		A3E	087	E	21	43	N	45	239	A		
RUS	SMOLENSK	15730.000	06	04	1030	1130	55.0		I	BC	2K99	A3E	042	E	47	12	N	44	234	B		
RUS	BELGOROD	15730.000	08	04	1027	1033	55.3		I	BC	10K5	A3E	012	E	36	41	N	52				
I	ROMA	15730.000	02	05	1058	1059	50.0	R.HABANA CUBA	CUB	BC	9K00E	A3E							290	A		
KOR	CRMS	15740.000	04	05	0111	0111	36.6		CHN	BC		A3E									6	
KOR	CRMS	15740.000	10	05	0641	0641	27.2		CHN	BC		A3E									6	
KOR	CRMS	15740.000	03	06	0749	0749	27.9		CHN	BC		A3E									6	
KOR	CRMS	15740.000	09	06	0558	0558	27.4		CHN	BC		A3E									6	
KOR	CRMS	15745.000	28	04	0543	0543	38.8		CHN	BC		A3E									6	
KOR	CRMS	15745.000	29	04	0714	0714	45.3		CHN	BC		A3E									6	
KOR	CRMS	15745.000	02	05	0444	0444	14.6		CHN	BC		A3E									6	
RUS	BELGOROD	15750.000	08	04	0714	0719	46.5		KWT	BC	10K6	A3E	047	E	29	29	N	25				
RUS	SMOLENSK	15750.000	08	04	1030	1130	35.0		KWT	BC	2K99	A3E	047	E	40	29	N	30	150	B		
RUS	SAMARA	15750.000	08	04	1200	1230	25.0		THA	BC	10K0	A3E	103	E	00	16	N	30				
I	ROMA	15750.000	02	05	1101	1101	20.0	MASHAAL RADIO	KWT	BC	10K0	A3E							102	A		
I	ROMA	15750.000	23	05	0745	0746	20.0	MASHAAL RADIO	KWT	BC	10K0	A3E							102	A		
KOR	CRMS	15760.000	01	04	0733	0733	24.3		CHN	BC		A3E									6	
RUS	NOVOSIBIRSK	15760.000	08	04	0430	0500	31.0		CHN	BC		A3E	087	E	22	43	N	54	164	A		
RUS	BELGOROD	15760.000	08	04	0719	0730	42.8		CHN	BC	8K40	A3E	086	E	53	44	N	09				
RUS	NYAGAN	15760.000	08	04	0750	0757	49.0		CHN		9K09	A3E	086	E	43	43	N	07	137	A		
RUS	S. PETERSBURG	15760.000	08	04	1130	1140	45.0		CHN	BC	9K63	A3E	122	E	48	47	N	07	60	B		
RUS	ARKHANGELSK	15760.000	08	04	1310	1320	50.0	SOH Xi wWang Zhi	CHN	BC	1K03	A3E							87	B		

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	29	04	0714	0714	52.6		CHN	BC		A3E									6	
KOR	CRMS	15760.000	02	05	0444	0444	19.3		CHN	BC		A3E									6	
KOR	CRMS	15760.000	09	05	0552	0552	25.7		CHN	BC		A3E									6	
KOR	CRMS	15760.000	03	06	0750	0750	13.9		CHN	BC		A3E									6	
KOR	CRMS	15760.000	09	06	0558	0558	22.6		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	15775.000	01	04	0500	0530		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E										
RUS	NOVOSIBIRSK	15785.000	08	04	0330	0400	23.0		CHN	BC		A3E	109	E	34	33	N	59	128	A		
RUS	BELGOROD	15785.000	08	04	0730	0738	53.2		D	BC	9K90	X7E	010	E	46	49	N	06				
J	TOKYO	15799.660	02	06	0500			SOUND OF HOPE		BC		A3E	120	E	20	24	N	26	241	B	11	TAIWAN
J	TOKYO	15799.720	02	05	0035			SOUND OF HOPE		BC		A3E	120	E	58	23	N	50	240	B	11	TAIWAN
INS	MSCK-TANGERANG	15800.000	01	04	0600	0630		SOH rely RFA	CHN	BC	9K00	A3E										
KOR	CRMS	15800.000	01	04	0733	0733	28.0		CHN	BC		A3E									6	
RUS	BELGOROD	15800.000	08	04	0738	0740	41.3		CHN	BC	10K8	A3E	116	E	37	39	N	10				
RUS	NYAGAN	15800.000	08	04	0757	0800	15.0		CHN		9K99	A3E	117	E	14	38	N	33	102	A		
RUS	SAMARA	15800.000	08	04	1100	1200	31.0		CHN	BC	10K0	A3E	128	E	10	44	N	49	65			
RUS	S. PETERSBURG	15800.000	08	04	1140	1145	46.0		CHN	BC	11K5	A3E	123	E	27	48	N	59	58	B		
RUS	ARKHANGELSK	15800.000	08	04	1320	1330	39.0	SOH Xi wWang Zhi	CHN	BC	2K39	A3E							87	B		
RUS	SMOLENSK	15800.000	12	04	0930	1030	25.0		CHN	BC	2K99	A3E	087	E	34	43	N	50	74	B		
J	TOKYO	15800.000	19	04	0430			CHINA N.R.		BC		A3E	087	E	33	43	N	47	298	A	11	
KOR	CRMS	15800.000	02	05	0444	0444	22.4		CHN	BC		A3E									11	
KOR	CRMS	15800.000	03	05	0601	0601	5.2		CHN	BC		A3E									6	
J	TOKYO	15800.000	17	05	0805			CHINA N.R.		BC		A3E	087	E	17	43	N	48	298	A	11	
J	TOKYO	15800.000	26	05	0633			CHINA N.R.		BC		A3E	116	E	20	40	N	09	290	B	11	
J	TOKYO	15800.000	02	06	0441				CHN	BC		A3E	109	E	19	19	N	15	252	B		
J	TOKYO	15800.000	02	06	0506			CHINA N.R.		BC		A3E	088	E	35	43	N	52	298	B	11	
KOR	CRMS	15800.000	02	06	0509	0509	24.1		CHN	BC		A3E									6	
J	TOKYO	15800.000	09	06	0146			CHINA N.R.		BC		A3E	124	E	08	47	N	16	319	B	11	
KOR	CRMS	15800.000	09	06	0559	0559	22.4		CHN	BC		A3E									6	
J	TOKYO	15800.000	28	06	1013			CHINA N.R.		BC		A3E	087	E	20	43	N	36	300	B	11	
J	TOKYO	15800.170	06	04	0806			SOUND OF HOPE		BC		A3E	121	E	05	24	N	08	241	A	11	TAIWAN
RUS	BELGOROD	15814.000	08	04	0740	0743	38.5		CYP		2K90		033	E	37	34	N	52				
J	TOKYO	15820.220	02	06	0449			SOUND OF HOPE		BC		A3E	120	E	48	23	N	19	239	B	11	TAIWAN
J	TOKYO	15820.250	17	05	0807			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15820.270	02	05	0038			SOUND OF HOPE		BC		A3E	121	E	37	24	N	40	240	B	11	TAIWAN
INS	MSCK-TANGERANG	15830.000	01	04	0600	0630		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E										
J	TOKYO	15840.040	09	06	0147			SOUND OF HOPE		BC		A3E	127	E	45	36	N	53	281	B	11	KOR
J	TOKYO	15856.200	21	06	0004														193	B		
J	TOKYO	15856.200	28	06	1016														205	B		
J	TOKYO	15858.120	09	06	0148														208	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	15859.800	28	06	1017														208	B		
J	TOKYO	15859.900	21	06	0005														191	B		
J	TOKYO	15869.790	10	05	1022			SOUND OF HOPE		BC		A3E	121	E	09	24	N	13	241	A	11	TAIWAN
J	TOKYO	15869.790	02	06	0451			SOUND OF HOPE		BC		A3E	120	E	33	22	N	42	238	B	11	TAIWAN
J	TOKYO	15869.810	17	05	0810			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15869.810	26	05	0637			SOUND OF HOPE		BC		A3E	120	E	13	23	N	05	240	B	11	TAIWAN
J	TOKYO	15869.820	02	05	0043				CHN	BC		A3E	120	E	40	23	N	21	239	B		TAIWAN
INS	MSCK-TANGERANG	15870.000	04	04	0000	0030		SOH Xi Wang Zhi Sheng	CHN	BC	9K00E	A3E									11	
J	TOKYO	15870.020	28	06	1018			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15889.980	02	06	0454			SOUND OF HOPE		BC		A3E	120	E	58	23	N	39	240	B	11	TAIWAN
J	TOKYO	15890.000	02	05	0048			SOUND OF HOPE		BC		A3E	121	E	39	24	N	58	241	B	11	TAIWAN
J	TOKYO	15890.000	21	06	0009			XING XING B.S.		BC		H3E							242	A		
J	TOKYO	15890.010	19	04	0434			SOUND OF HOPE		BC		A3E	121	E	21	23	N	46	239	A	11	TAIWAN
J	TOKYO	15890.010	10	05	1025			SOUND OF HOPE		BC		A3E	121	E	28	24	N	24	241	A	11	TAIWAN
J	TOKYO	15890.010	28	06	1019			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15890.020	06	04	0810			SOUND OF HOPE		BC		A3E	121	E	12	23	N	30	239	B	11	TAIWAN
J	TOKYO	15890.040	17	05	0811			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15919.850	02	06	0500			SOUND OF HOPE		BC		A3E	121	E	05	24	N	44	242	B	11	TAIWAN
J	TOKYO	15919.870	26	05	0641				CHN	BC		A3E	120	E	40	23	N	41	240	B		TAIWAN
J	TOKYO	15919.890	17	05	0812			SOUND OF HOPE		BC		A3E									11	
KOR	CRMS	15920.000	04	04	0540	0540	27.8		CHN	BC		A3E									11	
KOR	CRMS	15920.000	11	04	1228	1228	26.4		CHN	BC		A3E									11	
RUS	NYAGAN	15920.000	11	04	1244	1248	49.0		CHN		2K42	A3E	130	E	29	46	N	51	82	A		
J	TOKYO	15920.000	02	05	0054				CHN	BC		A3E	108	E	47	18	N	57	247	B		
KOR	CRMS	15920.000	02	05	0445	0445	20.9		CHN	BC		A3E									11	
KOR	CRMS	15920.000	09	05	0553	0553	21.1		CHN	BC		A3E									11	
J	TOKYO	15920.000	10	05	1029			CHINA N.R.		BC		A3E	108	E	54	18	N	52	247	B	11	
J	TOKYO	15920.000	26	05	0642					BC		A3E							298	D		
J	TOKYO	15920.000	02	06	0456				CHN	BC		A3E	091	E	35	29	N	36	276	B	11	TAIWAN
KOR	CRMS	15920.000	07	06	0711	0711	14.2		CHN	BC		A3E									11	
J	TOKYO	15920.000	09	06	0148			CHINA N.R.		BC		A3E	109	E	28	19	N	20	245	B	11	
KOR	CRMS	15920.000	10	06	0633	0633	24.8		CHN	BC		A3E									11	
J	TOKYO	15920.000	21	06	0013			CHINA N.R.		BC		A3E							246	A	11	
J	TOKYO	15920.000	28	06	1022			CHINA N.R.		BC		A3E	108	E	40	19	N	02	247	B	11	
J	TOKYO	15920.020	02	06	0503			CHINA N.R.		BC		A3E	125	E	03	47	N	00	319	B	11	
KOR	CRMS	15940.000	05	04	0621	0621	9.2		CHN	BC		A3E									11	
RUS	YAKUTSK	15940.000	11	04	0630	0700	72.0				889H	F1B							165	A		
KOR	CRMS	15940.000	02	05	0445	0445	7.8		CHN	BC		A3E									11	
KOR	CRMS	15940.000	24	06	0639	0639	19.0		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	15940.270	10	05	1033			SOUND OF HOPE		BC		A3E	121	E	10	23	N	35	239	B	11	TAIWAN
J	TOKYO	15940.270	21	06	0014			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15940.270	28	06	1024			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15940.280	02	06	0510			SOUND OF HOPE		BC		A3E	121	E	35	25	N	04	242	B	11	TAIWAN
J	TOKYO	15940.290	02	05	0056			SOUND OF HOPE		BC		A3E	121	E	00	23	N	53	240	B	11	TAIWAN
J	TOKYO	15940.290	17	05	0813			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15940.300	13	04	0643			SOUND OF HOPE		BC		A3E	120	E	41	23	N	23	240	B	11	TAIWAN
J	TOKYO	15940.300	19	04	0436			SOUND OF HOPE		BC		A3E	120	E	52	24	N	12	241	A	11	TAIWAN
J	TOKYO	15940.310	06	04	0817			SOUND OF HOPE		BC		A3E	121	E	44	24	N	58	241	A	11	TAIWAN
J	TOKYO	15969.740	02	06	0515			SOUND OF HOPE		BC		A3E	121	E	17	24	N	20	241	B	11	TAIWAN
J	TOKYO	15969.770	02	05	0100			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15969.770	17	05	0815			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	15969.870	13	04	0644			SOUND OF HOPE		BC		A3E	120	E	23	23	N	18	240	B	11	TAIWAN
J	TOKYO	15969.870	19	04	0439			SOUND OF HOPE		BC		A3E	120	E	30	23	N	46	241	A	11	TAIWAN
J	TOKYO	15969.880	06	04	0820			SOUND OF HOPE		BC		A3E	121	E	05	24	N	44	242	A	11	TAIWAN
KOR	CRMS	15970.000	01	04	0734	0734	18.3		CHN	BC		A3E									11	
RUS	SMOLENSK	15970.000	07	04	0930	1030	16.0		CHN	BC	2K99	A3E	117	E	54	24	N	46	78	B	11	
RUS	YAKUTSK	15970.000	11	04	0445	0515	74.0		CHN	BC	8K77	A3E	113	E	30	31	N	31	206	A		
RUS	BELGOROD	15970.000	11	04	0540	0545	15.5		CHN	BC	8K80	A3E	110	E	17	19	N	20			11	
RUS	NYAGAN	15970.000	11	04	1248	1251	30.0		CHN		2K52	A3E	126	E	49	48	N	55	83	A		
RUS	ARKHANGELSK	15970.000	11	04	1320	1330	45.0	SOH Xi wWang Zhi	CHN	BC	1K00	A3E							88	B		
KOR	CRMS	15970.000	22	04	0653	0653	42.0		CHN	BC		A3E									11	
J	TOKYO	15970.000	02	05	0104			CHINA N.R.		BC		A3E							328	C	11	
KOR	CRMS	15970.000	02	05	0449	0449	12.2		CHN	BC		A3E									11	
KOR	CRMS	15970.000	04	05	0111	0111	1.1		CHN	BC		A3E									11	
J	TOKYO	15970.000	10	05	1037			CHINA N.R.		BC		A3E	117	E	22	25	N	51	250	A	11	
J	TOKYO	15970.000	26	05	0651					BC		A3E										
J	TOKYO	15970.000	02	06	0513			CHINA N.R.		BC		A3E	115	E	56	39	N	59	290	B	11	
KOR	CRMS	15970.000	03	06	0751	0751	14.5		CHN	BC		A3E									11	
J	TOKYO	15970.000	09	06	0149			CHINA N.R.		BC		A3E	118	E	56	25	N	41	247	B	11	
KOR	CRMS	15970.000	10	06	0633	0633	11.8		CHN	BC		A3E									11	
J	TOKYO	15970.000	21	06	0018			CHINA N.R.		BC		A3E	113	E	14	34	N	57	277	A	11	
J	TOKYO	15970.000	28	06	1026			CHINA N.R.		BC		A3E							250	B	11	
J	TOKYO	15984.000	28	06	1029							A1A										
J	TOKYO	16001.500	21	06	0021				KRE			F1B	125	E	49	39	N	11	291	A		
INS	MSCK-TANGERANG	16006.240	04	04	0600	0700		Unknown		FX	3K00E	J3E										
J	TOKYO	16047.000	09	06	0155				USA			F1B	155	W	14	19	N	30	87	B		HWA
J	TOKYO	16055.000	06	04	0825				RUS			F1B	131	E	42	47	N	13	335	B		
RUS	BELGOROD	16055.000	12	04	1336	1340	48.4		J		1K20	F1B	138	E	54	35	N	55				

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	16066.100	17	05	0820				RUS			F1B	142	E	51	46	N	51	8	A		
J	TOKYO	16099.960	02	06	0522			SOUND OF HOPE		BC		A3E	121	E	43	25	N	10	242	B	11	TAIWAN
J	TOKYO	16099.970	06	04	0838			SOUND OF HOPE		BC		A3E	121	E	29	24	N	44	241	A	11	TAIWAN
KOR	CRMS	16100.000	01	04	0734	0734	7.5		CHN	BC		A3E									11	
INS	MSKH-KUPANG	16100.000	04	04	0154	0200	5.0	RADIO SOH XIE WANG SHI ZHENG	CHN	BC	9K00E	A3E										SITE ND MIAOLI
RUS	NYAGAN	16100.000	12	04	0810	0816	37.0		CHN		4K83	A3E	124	E	16	47	N	06	87	A		
RUS	S. PETERSBURG	16100.000	12	04	0830	0840	57.0		CHN	BC	9K64	A3E	123	E	59	47	N	21	59	B		
RUS	BELGOROD	16100.000	12	04	0830	0833	40.7		CHN	BC	10K0	A3E	126	E	55	45	N	44			11	
RUS	ARKHANGELSK	16100.000	12	04	1220	1230	32.0	SOH Xi wWang Zhi	CHN	BC	1K58	A3E							87	B		
RUS	BELGOROD	16100.000	12	04	1310	1315	47.5		CHN	BC	7K20	A3E	107	E	47	34	N	29			11	
RUS	SMOLENSK	16100.000	13	04	0630	0730	7.0		CHN	BC	2K99	A3E	087	E	18	43	N	24	83	B	11	
KOR	CRMS	16100.000	22	04	0653	0653	38.0		CHN	BC		A3E									11	
J	TOKYO	16100.000	02	05	0108			CHINA N.R.		BC		A3E	108	E	42	18	N	57	247	B	11	
KOR	CRMS	16100.000	02	05	0449	0449	8.5		CHN	BC		A3E									11	
KOR	CRMS	16100.000	06	05	0215	0215	23.4		CHN	BC		A3E									11	
J	TOKYO	16100.000	10	05	1041			CHINA N.R.		BC		A3E	108	E	57	34	N	22	275	B	11	
J	TOKYO	16100.000	26	05	0655			CHINA N.R.		BC		A3E	129	E	37	46	N	38	328	B	11	
J	TOKYO	16100.000	02	06	0521			CHINA N.R.		BC		A3E	119	E	46	26	N	35	248	B	11	
KOR	CRMS	16100.000	03	06	0751	0751	19.2		CHN	BC		A3E									11	
J	TOKYO	16100.000	09	06	0157			CHINA N.R.		BC		A3E	109	E	03	19	N	11	247	B	11	
KOR	CRMS	16100.000	09	06	0559	0559	7.2		CHN	BC		A3E									11	
J	TOKYO	16100.000	21	06	0027			CHINA N.R.		BC		A3E							247	A	11	
J	TOKYO	16100.000	28	06	1033			CHINA N.R.		BC		A3E							247	A	11	
J	TOKYO	16100.010	17	05	0826			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	16115.000	26	05	0658				PHL			J3E	123	E	16	13	N	51	219	B		
J	TOKYO	16124.300	10	05	1046				USA			F1B	076	W	18	40	N	40	27	B		
INS	MSKH-KUPANG	16135.000	21	04	0543	0547	10.3	KVM	USA	FX	2K00E	F1C										STATION HONOLULU, HAWAII (WEATHER FAX)
J	TOKYO	16159.900	02	05	0112			CHINA N.R.		BC		A3E	131	E	20	45	N	52	329	B	11	
KOR	CRMS	16160.000	01	04	0734	0734	21.6		CHN	BC		A3E									11	
INS	MSKH-KUPANG	16160.000	04	04	0201	0205	7.0	RADIO SOH XIE WANG SHI ZENG	CHN	BC	9K00E	A3E										SITE ND MIAOLI
KOR	CRMS	16160.000	07	04	0516	0516	0.4		CHN	BC		A3E									11	
RUS	BELGOROD	16160.000	12	04	0700	0704	39.6		CHN	BC	9K50	A3E	128	E	26	47	N	58			11	
RUS	NYAGAN	16160.000	12	04	0700	0705	44.0		CHN		8K41	A3E	130	E	09	47	N	35	81	A		
RUS	S. PETERSBURG	16160.000	12	04	0820	0830	48.0		CHN	BC	8K35	A3E	107	E	38	34	N	17	81	B		
RUS	BELGOROD	16160.000	12	04	0833	0838	30.5		CHN	BC	9K20	A3E	107	E	47	34	N	29			11	
RUS	SMOLENSK	16160.000	12	04	1230	1330	35.0		CHN	BC	2K99	A3E	086	E	48	43	N	10	84	B	11	
RUS	ARKHANGELSK	16160.000	12	04	1230	1240	39.0	SOH Xi wWang Zhi	CHN	BC	1K05	A3E							88	B		
KOR	CRMS	16160.000	02	05	0449	0449	1.5		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	16160.000	04	05	0112	0112	2.4		CHN	BC		A3E									11	
J	TOKYO	16160.000	10	05	1050			CHINA N.R.		BC		A3E	117	E	27	26	N	44	252	B	11	
J	TOKYO	16160.000	26	05	0709			CHINA N.R.		BC		A3E	119	E	15	26	N	02	247	B	11	
J	TOKYO	16160.000	02	06	0527			CHINA N.R.		BC		A3E	108	E	47	19	N	08	248	B	11	
KOR	CRMS	16160.000	07	06	0712	0712	25.9		CHN	BC		A3E									11	
KOR	CRMS	16160.000	09	06	0559	0559	28.1		CHN	BC		A3E									11	
J	TOKYO	16160.000	21	06	0028			CHINA N.R.		BC		A3E							247	A	11	
J	TOKYO	16160.000	28	06	1036			CHINA N.R.		BC		A3E							249	B	11	
J	TOKYO	16160.080	13	04	0644			SOUND OF HOPE		BC		A3E	121	E	27	24	N	03	240	B	11	TAIWAN
J	TOKYO	16160.080	19	04	0443			SOUND OF HOPE		BC		A3E	121	E	05	24	N	47	242	B	11	TAIWAN
J	TOKYO	16160.080	02	06	0528			SOUND OF HOPE		BC		A3E	121	E	05	25	N	02	243	B	11	TAIWAN
J	TOKYO	16160.090	17	05	0828			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	16200.010	28	06	1044							F1B							320	B		
INS	MSCK-TANGERANG	16205.100	05	04	0600	0630		Unknown		FX	3K00E	J3E										
RUS	BELGOROD	16206.000	12	04	0924	0929	40.5		CYP	LR	26K3		033	E	01	34	N	44				
J	TOKYO	16206.990	17	05	0839							F1B							335	B		
J	TOKYO	16207.000	10	05	1057				RUS			F1B	033	E	53	67	N	24	335	B		
INS	MSCK-TANGERANG	16233.150	05	04	0600	0630		Unknown		FX	3K00E	H3E										
J	TOKYO	16234.000	10	05	1105				RUS			F1B	032	E	56	69	N	01	337	B		
J	TOKYO	16234.000	17	05	0842							F1B							322	B		
J	TOKYO	16234.000	28	06	1047							F1B							322	B		
J	TOKYO	16249.640	02	06	0534			SOUND OF HOPE		BC		A3E	121	E	42	24	N	56	241	B	11	TAIWAN
J	TOKYO	16249.690	26	05	0713			SOUND OF HOPE		BC		A3E	120	E	16	23	N	37	241	B	11	TAIWAN
J	TOKYO	16249.710	17	05	0844			SOUND OF HOPE		BC		A3E									11	
INS	MSKH-KUPANG	16250.000	04	04	0206	0210	5.0	RADIO SOH XIE WANG SHI ZHENG	CHN	BC	9K00E	A3E										SITE ND MIAOLI
KOR	CRMS	16250.000	05	04	0621	0621	2.2		CHN	BC		A3E									11	
KOR	CRMS	16250.000	26	04	0648	0648	19.2		THA	BC		A3E									11	
KOR	CRMS	16250.000	23	05	0503	0503	26.3		CHN	BC		A3E									11	
KOR	CRMS	16250.000	21	06	0730	0730	9.0		CHN	BC		A3E									11	
J	TOKYO	16282.980	28	06	1053				RUS			F1B	113	E	20	51	N	57	322	A		
J	TOKYO	16299.660	28	06	1057			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	16299.850	06	04	0844			SOUND OF HOPE		BC		A3E	121	E	27	24	N	24	241	B	11	TAIWAN
KOR	CRMS	16300.000	01	04	0734	0734	8.6		CHN	BC		A3E									11	
J	TOKYO	16300.000	13	04	0645			CHINA N.R.		BC		A3E	116	E	08	39	N	28	289	B	11	
RUS	S. PETERSBURG	16300.000	13	04	1309	1319	16.0		CHN	BC		A3E							79	B		
J	TOKYO	16300.000	19	04	0447			CHINA N.R.		BC		A3E	108	E	49	18	N	57	247	A	11	
KOR	CRMS	16300.000	23	06	0613	0613	25.2		CHN	BC		A3E									11	
RUS	BELGOROD	16308.300	13	04	0750	0752	14.7		CHN		2K80		123	E	03	46	N	12				
J	TOKYO	16332.300	10	05	1109			K				A1A	158	E	04	53	N	13	29	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	16340.110	19	04	0453							F3C							152	C		
RUS	BELGOROD	16409.700	13	04	0600	0603	0.1		GRC		3K00		025	E	11	35	N	17				
J	TOKYO	16528.000	06	04	0745			VMW				J3E	114	E	59	29	S	37	200	B		
J	TOKYO	16528.000	13	04	0601			VMW				J3E	115	E	35	28	S	36	201	B		
J	TOKYO	16528.000	17	05	0800			VMW		FC		J3E	119	E	12	26	S	58	200	B		
J	TOKYO	16546.000	06	04	0749			VMC				J3E	144	E	43	36	S	58	175	B		
J	TOKYO	16546.000	13	04	0605			VMC				J3E	144	E	46	18	S	26	174	B		
J	TOKYO	16559.000	13	04	0616			XSG		FC		F3C	121	E	17	31	N	24	261	B		
J	TOKYO	16559.000	19	04	0417			XSG		FC		F3C	121	E	08	31	N	37	261	A		
J	TOKYO	16559.000	17	05	0804			XSG		FC		F3C	121	E	42	31	N	51	262	A		
J	TOKYO	16559.000	26	05	0604			XSG		FC		F3C	121	E	44	31	N	35	262	A		
J	TOKYO	16559.000	02	06	0417			XSG		FC		F3C	121	E	20	31	N	27	261	A		
J	TOKYO	16576.000	10	05	1009				PHL			J3E	121	E	17	15	N	13	225	B		
J	TOKYO	16576.000	17	05	0810			PHL				J3E	121	E	20	14	N	22	223	B		
KOR	CRMS	16600.000	05	04	0622	0622	0.6		CHN	BC		A3E									11	
KOR	CRMS	16600.000	22	06	0047	0047	3.2		CHN	BC		A3E									11	
J	TOKYO	16600.060	28	06	1001			SOUND OF HOPE		BC		A3E	121	E	02	24	N	26	241	A	11	TAIWAN
J	TOKYO	16600.070	02	06	0420			SOUND OF HOPE		BC		A3E	121	E	12	24	N	01	240	A	11	TAIWAN
RUS	BELGOROD	16600.090	14	04	1342	1345	3.4		CHN	BC	7K00	A3E	120	E	38	23	N	01			11	
J	TOKYO	16600.110	09	06	0139				CHN	BC		A3E	120	E	50	24	N	42	242	B		TAIWAN
J	TOKYO	16605.000	28	06	1004				CYP				033	E	03	35	N	06	308	B		
RUS	BELGOROD	16625.000	14	04	0809	0814	40.0		CYP	LR	26K2		032	E	56	34	N	39				
RUS	S. PETERSBURG	16625.000	14	04	0825	0840	26.0		CYP			P0N	033	E	04	35	N	08	174	B		
INS	MSCK-TANGERANG	16660.140	07	04	2330	2400		Unknown		FX	3K00E	J3E										
J	TOKYO	16748.000	02	05	0020				PHL			J3E	123	E	30	13	N	20	218	B		
J	TOKYO	16748.000	10	05	1012				PHL			J3E	122	E	49	14	N	02	220	B		
J	TOKYO	16748.000	17	05	0813			PHL				J3E	121	E	22	12	N	18	221	B		
J	TOKYO	16748.000	28	06	1009				PHL			J3E	121	E	07	13	N	15	222	B		
J	TOKYO	16776.000	02	06	0428				AUS				141	E	45	15	S	36	178	A		
J	TOKYO	16780.500	26	05	0609				CHN			F1B	117	E	29	38	N	51	287	B		
J	TOKYO	16789.780	02	06	0431			SOUND OF HOPE		BC		A3E	121	E	24	25	N	01	242	A	11	TAIWAN
J	TOKYO	16789.780	28	06	1011			SOUND OF HOPE		BC		A3E	121	E	56	24	N	51	242	A	11	TAIWAN
J	TOKYO	16789.810	13	04	0622			SOUND OF HOPE		BC		A3E	121	E	20	25	N	09	242	B	11	TAIWAN
J	TOKYO	16789.810	10	05	1014			SOUND OF HOPE		BC		A3E	121	E	25	25	N	04	242	A	11	TAIWAN
J	TOKYO	16789.810	26	05	0609			SOUND OF HOPE		BC		A3E	121	E	17	24	N	40	241	B	11	TAIWAN
J	TOKYO	16789.810	09	06	0146			SOUND OF HOPE	CHN	BC		A3E	121	E	10	25	N	00	242	B	11	TAIWAN
J	TOKYO	16789.840	06	04	0755			SOUND OF HOPE		BC		A3E	121	E	25	24	N	56	242	B	11	TAIWAN
J	TOKYO	16789.850	17	05	0815			SOUND OF HOPE		BC		A3E	120	E	55	24	N	44	242	A	11	TAIWAN
J	TOKYO	16789.890	02	05	0023			SOUND OF HOPE		BC		A3E	121	E	10	24	N	47	242	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	16789.990	20	06	2348			SOUND OF HOPE		BC		A3E	121	E	29	25	N	07	242	B	11	TAIWAN
J	TOKYO	16806.500	19	04	0424				ARG			F1B	062	E	00	34	N	31	93	B		
J	TOKYO	16806.500	02	05	0027			NMC				F1B	120	E	57	36	N	42	55	B		
J	TOKYO	16815.000	10	05	1019				PHL			J3E	121	E	00	14	N	58	225	B		
J	TOKYO	16826.300	02	05	0031			XSQ		FC		F3C	113	E	31	22	N	47	248	B		
J	TOKYO	16826.300	02	06	0438			XSQ		FC		F3C	119	E	15	26	N	51	250	A		
J	TOKYO	16826.300	09	06	0153							F3C										
RUS	SMOLENSK	16830.000	14	04	1230	1330	5.0		GRC	FC	200H	F1B	022	E	20	39	N	18	206	B		
RUS	YAKUTSK	16854.000	18	04	0125	0145	50.0		CHN		398H	F1B	114	E	30	22	N	58	202	A		
RUS	BELGOROD	16854.000	18	04	0720	0724	20.0	XSQ			310H	F1B	113	E	17	22	N	49				
J	TOKYO	16854.000	02	05	0034			XSQ		FC		F1B										
J	TOKYO	16854.000	26	05	0617			XSQ		FC		F1B										
HNG	TARNOK	16870.000	03	05	1122	1214	52.0				25K0E	F0N										OTHR
J	TOKYO	16879.990	02	05	0035			XSQ		FC		F1B										
J	TOKYO	16879.990	17	05	0819			XSQ		FC		F1B										
J	TOKYO	16880.000	06	04	0804							F1B							249	D		
J	TOKYO	16880.000	13	04	0627			XSQ		FC		F1B										
RUS	SMOLENSK	16880.000	14	04	1130	1230	8.0		CHN	FC	150H	A1A	113	E	32	23	N	04	82	B		
J	TOKYO	16880.000	19	04	0433			XSQ		FC		F1B										
J	TOKYO	16880.000	10	05	1020			XSQ		FC		F1B										
INS	MSKH-KUPANG	16880.000	24	05	0201	0205	14.7	XSQ	CHN	FC	1K00E	A1A										(GUANGZHOU RADIO) CHINA COAST STATION
J	TOKYO	16880.000	26	05	0619			XSQ		FC		F1B										
J	TOKYO	16880.000	02	06	0446			XSQ		FC		F1B										
J	TOKYO	16880.000	09	06	0159			XSQ		FC		F1B										
J	TOKYO	16880.000	20	06	2351			XSQ		FC		F1B										
J	TOKYO	16880.000	28	06	1015			XSQ		FC		F1B	114	E	01	22	N	45	248	B		
RUS	YAKUTSK	16898.000	18	04	0245	0255	58.0		CHN		945H	F1B	120	E	31	28	N	30	194	A		
RUS	BELGOROD	16898.400	18	04	0600	0606	14.0	XSQ	CHN		210H	F1B	121	E	27	31	N	13				
J	TOKYO	16898.490	19	04	0434			XSG		FC		F1B										
J	TOKYO	16898.490	02	05	0036			XSG		FC		F1B										
J	TOKYO	16898.490	17	05	0821			XSG		FC		F1B										
J	TOKYO	16898.490	26	05	0621			XSG		FC		F1B										
J	TOKYO	16898.490	02	06	0451			XSG		FC		F1B										
J	TOKYO	16898.490	28	06	1019			XSG		FC		F1B										
J	TOKYO	16898.500	13	04	0630			XSG		FC		F1B										
J	TOKYO	16898.500	10	05	1022			XSG		FC		F1B										
INS	MSKH-KUPANG	16898.500	24	05	0230	0235	17.8	XSG	CHN	FC	1K00E	A1A										(SHANGHAI RADIO) CHINA COAST STATION
J	TOKYO	16898.500	09	06	0203			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	16898.500	20	06	2356				CHN			F1B	120	E	58	31	N	12	260	A		
RUS	BELGOROD	16906.700	18	04	0606	0615	6.5		DJI		2K60		043	E	05	11	N	24				
RUS	SMOLENSK	16910.000	14	04	0730	0830	10.0		KOR	FC	150H	A1A							63	B		
RUS	BELGOROD	16910.000	18	04	0618	0621	6.7	HLJ	KOR		90H0	A1A	127	E	43	35	N	49				
INS	MSKH-KUPANG	16910.000	24	05	0245	0250	11.5	HLJ	KOR	FC	1K00E	A1A										(SEOUL RADIO) SOUTH KOREA COAST STATION
J	TOKYO	16910.000	26	05	0622			HLJ		FC		A1A										
J	TOKYO	16910.000	02	06	0452			HLJ		FC		A1A										
J	TOKYO	16910.000	09	06	0207			HLJ		FC		A1A	126	E	56	37	N	07	282	B		
J	TOKYO	16910.000	20	06	2359			HLJ		FC		A1A										
J	TOKYO	16910.010	13	04	0633			HLJ		FC		A1A										
J	TOKYO	16910.010	19	04	0436			HLJ		FC		A1A										
J	TOKYO	16910.010	02	05	0037			HLJ		FC		A1A										
J	TOKYO	16912.000	10	05	1024							F1B										
J	TOKYO	16923.900	26	05	0623				INS			J2B	119	E	00	08	S	38	208	A		
J	TOKYO	16959.600	17	05	0825				F			J2B	164	E	31	20	S	38	154	B		NCL
J	TOKYO	16959.600	26	05	0627				F			J2B	164	E	44	21	S	09	153	B		
RUS	BELGOROD	16967.800	18	04	0724	0730	22.3		F	FC	950H	F1B	001	E	14	43	N	39				
RUS	S. PETERSBURG	16968.000	18	04	0833	0843	32.0		F	FX	1K03	F1B	002	E	44	44	N	10	238	B		
RUS	SMOLENSK	16968.000	18	04	0930	1030	5.0		F	FC	850H	F1B	003	E	37	44	N	21	253	B		
RUS	BELGOROD	16971.000	18	04	1100	1102	12.7		J		920H	F1C	130	E	27	31	N	24				
INS	MSCK-TANGERANG	16971.520	11	04	0500	0530		Unknown		FX	3K00E	J3E										
J	TOKYO	16979.920	02	06	0456			SOUND OF HOPE		BC		A3E	120	E	35	23	N	23	240	A	11	TAIWAN
J	TOKYO	16979.940	26	05	0629			SOUND OF HOPE		BC		A3E	120	E	33	22	N	45	238	B	11	TAIWAN
J	TOKYO	16979.940	09	06	0400			SOUND OF HOPE		BC		A3E	121	E	06	23	N	10	238	B	11	TAIWAN
J	TOKYO	16979.960	17	05	0830			SOUND OF HOPE		BC		A3E	120	E	45	22	N	47	238	A	11	TAIWAN
J	TOKYO	16979.970	06	04	0812				CHN	BC		A3E	120	E	35	22	N	42	238	B		
J	TOKYO	16979.970	19	04	0440			SOUND OF HOPE		BC		A3E	120	E	38	22	N	40	238	B	11	TAIWAN
KOR	CRMS	16980.000	05	04	0622	0622	-5.5		CHN	BC		A3E									11	
KOR	CRMS	16980.000	02	05	0450	0450	6.7		CHN	BC		A3E									11	
J	TOKYO	16980.000	09	06	0206					BC		A3E										
KOR	CRMS	16980.000	10	06	0634	0634	5.0		CHN	BC		A3E									11	
RUS	BELGOROD	16989.750	18	04	1115	1123	44.8		CYP	LR	20K8		032	E	52	34	N	41				
RUS	BELGOROD	16990.000	18	04	0621	0627	6.6	HLG	KOR		50H0	A1A	127	E	43	35	N	49				
J	TOKYO	16990.000	26	05	0632			HLO		FC		A1A										
J	TOKYO	16990.010	06	04	0818			HLO		FC		A1A										
J	TOKYO	16990.010	13	04	0646			HLO		FC		A1A										
J	TOKYO	16990.010	19	04	0445			HLO		FC		A1A										
RUS	BELGOROD	17000.000	18	04	0627	0632	5.2		POR	MS	2K60		025	W	27	37	N	48				
RUS	BELGOROD	17003.800	18	04	0632	0638	5.9		POR	MS	2K60		024	W	20	37	N	45				

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	17013.520	11	04	0600	0700		Unknown		FX	3K00E	H3E										
J	TOKYO	17015.000	06	04	0820							J3E							219	D		
J	TOKYO	17036.300	17	05	0834				AUS			J2B	128	E	39	16	S	13	194	A		
RUS	BELGOROD	17065.000	19	04	0653	0655	18.6		F		3K10		001	E	36	42	N	57				
RUS	S. PETERSBURG	17065.000	19	04	0720	0730	15.0		F	FX	8K50	G1D							237	C		
J	TOKYO	17088.000	06	04	0825							F1B							300	D		
J	TOKYO	17088.000	13	04	0648							F1B							299	D		
RUS	SMOLENSK	17088.000	15	04	1130	1230	27.0		KGZ	FX	400H	F1B	073	E	47	42	N	27	95	B		
RUS	BELGOROD	17088.000	19	04	0714	0717	27.1		KGZ		320H	F1B	073	E	47	42	N	45	92	B		
J	TOKYO	17088.000	28	06	1024				KGZ			F1B	074	E	56	41	N	23	297	B		
J	TOKYO	17099.400	19	04	0447				F			J2B	150	W	18	17	S	42	116	A		OCE
J	TOKYO	17099.400	17	05	0837				F			J2B	149	W	41	17	S	14	115	B		OCE
J	TOKYO	17099.400	26	05	0635				F			J2B	149	E	36	17	S	40	115	B		OCE
J	TOKYO	17099.400	09	06	0222				F				149	W	21	17	S	38	115	B		OCE
J	TOKYO	17099.400	28	06	1030				F			J2B	149	W	31	17	S	43	116	A		OCE
J	TOKYO	17099.500	02	06	0502				F				149	W	26	17	S	34	115	A		OCE
J	TOKYO	17108.400	17	05	0843				B			J2B	053	W	58	02	S	06	25	B		
J	TOKYO	17118.800	19	04	0451				AUS			J2B	131	E	15	14	S	16	191	A		OCE
RUS	S. PETERSBURG	17121.000	19	04	0720	0730	36.0		F	FX	3K56	G1D							240	C		
RUS	BELGOROD	17122.800	19	04	0655	0658	25.3		F		3K10		004	E	58	45	N	06				
RUS	YAKUTSK	17129.700	19	04	0025	0100	76.0		CHN		801H	A1A	127	E	59	41	N	52	183	A		
J	TOKYO	17130.000	13	04	0652			HLW		FC		A1A										
RUS	BELGOROD	17130.000	19	04	0710	0714	26.5	HLW	KOR	FC	100H	A1A	126	E	44	37	N	29				
J	TOKYO	17130.000	02	05	0039			HLW		FC		A1A										
INS	MSKH-KUPANG	17130.000	24	05	0250	0315	4.4	HLW	KOR	FC	1K00E	A1A										(SEOUL RADIO) SOUTH KOREA COAST STATION
J	TOKYO	17130.000	26	05	0637			HLW		FC		A1A										
J	TOKYO	17130.000	02	06	0505			HLW		FC		A1A										
J	TOKYO	17130.000	09	06	0227			HLW		FC		A1A	126	E	33	37	N	11	282	B		
J	TOKYO	17130.000	21	06	0005			HLW		FC		A1A										
RUS	YAKUTSK	17149.600	19	04	0750	0820	60.0		CHN	BC	2K11	A3E	121	E	07	23	N	34	192	A	11	
J	TOKYO	17149.840	02	06	0510			SOUND OF HOPE		BC		A3E	121	E	23	24	N	24	241	A	11	TAIWAN
J	TOKYO	17149.850	21	06	0006			SOUND OF HOPE		BC		A3E	121	E	32	24	N	42	241	A	11	TAIWAN
J	TOKYO	17149.850	28	06	1035			SOUND OF HOPE		BC		A3E	120	E	18	23	N	26	240	A	11	TAIWAN
J	TOKYO	17149.860	13	04	0653			SOUND OF HOPE		BC		A3E	120	E	21	23	N	32	240	B	11	TAIWAN
J	TOKYO	17149.860	26	05	0638			SOUND OF HOPE		BC		A3E	120	E	26	23	N	35	240	A	11	TAIWAN
J	TOKYO	17149.870	17	05	0846			SOUND OF HOPE		BC		A3E	120	E	50	23	N	41	240	B	11	TAIWAN
J	TOKYO	17149.870	09	06	0230				CHN	BC		A3E	121	E	14	25	N	05	242	B		TAIWAN
J	TOKYO	17149.890	06	04	0832				CHN	BC		A3E	121	E	05	24	N	31	241	B		
J	TOKYO	17149.890	19	04	0454			SOUND OF HOPE		BC		A3E	120	E	35	23	N	44	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	17149.890	10	05	1033			SOUND OF HOPE		BC		A3E	120	E	28	23	N	37	240	A	11	TAIWAN
J	TOKYO	17149.940	02	05	0040			SOUND OF HOPE		BC		A3E	121	E	29	25	N	04	242	A	11	TAIWAN
J	TOKYO	17151.200	17	05	0849			NMC		FC		F3C	120	E	03	39	N	02	52	B		
J	TOKYO	17159.000	19	04	0456							F1A										
RUS	BELGOROD	17200.000	19	04	0856	0858	27.5		CHN	BC	8K20	A3E	117	E	20	33	N	21			11	
RUS	BELGOROD	17215.200	19	04	0704	0710	24.8		CYP	LR	21K0		032	E	51	34	N	41				
RUS	BELGOROD	17225.300	19	04	0727	0731	21.3		F		2K60		004	W	29	48	N	23				
RUS	BELGOROD	17230.400	19	04	0658	0704	25.7			MS	3K10		030	W	49	23	N	34				
RUS	BELGOROD	17239.380	19	04	0849	0853	10.8		E		2K60		003	W	04	39	N	24				
RUS	BELGOROD	17250.000	19	04	0731	0734	26.7		CHN	BC	8K20	A3E	108	E	30	22	N	46			11	
HNG	TARNOK	17262.500	05	05	2028	2048	17.4				2K20E	J3E										USB
HNG	TARNOK	17341.000	05	05	1150	1230	29.6	SVU/OLYMPIA RADIO	GRC	FC	2K90	J3E										USB ITU 1634 CH
HNG	TARNOK	17341.000	05	05	1950	2027	24.8	SVU/OLYMPIA RADIO	GRC	FC	2K90	J3E										USB ITU 1634 CH
RUS	BELGOROD	17375.000	20	04	0530	0532	59.2		CYP	LR	22K2		032	E	50	34	N	41				
J	TOKYO	17392.000	02	05	0043			XSV		FC		J3E	117	E	32	39	N	02	287	B		
J	TOKYO	17392.000	28	06	1048			XSV TIANJIN R.		FC		J3E	116	E	20	39	N	04	287	B		
J	TOKYO	17393.600	19	04	0459				CHN			J2B	116	E	38	38	N	56	287	A		
HNG	TARNOK	17398.000	05	05	1500	1507	16.1				3K40	J3E										USB
J	TOKYO	17398.000	17	05	0902			XSQ		FC		J3E	113	E	26	23	N	28	250	B		
INS	MSCK-TANGERANG	17400.000	13	04	0600	0630		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E									11	
RUS	SMOLENSK	17400.000	16	04	1230	1330	5.0		CYP	FC	2K99	G1D	032	E	20	34	N	40	179	B		
RUS	NYAGAN	17400.000	20	04	0555	0559	17.0		MNG		9K51	A3E	106	E	44	47	N	49	103	A	11	
RUS	BELGOROD	17400.000	20	04	0601	0607	56.4		CYP		2K80		032	E	25	34	N	46				
RUS	YAKUTSK	17400.000	20	04	0700	0800	69.0		CHN	BC	1K70	A3E	099	E	43	39	N	40	233	A	11	
HNG	TARNOK	17400.000	05	05	0604	1410	41.6				3K40	G1D										STANAG 4285
J	TOKYO	17400.220	26	05	0641			SOUND OF HOPE		BC		A3E	107	E	26	48	N	04	307	A	11	MNG
J	TOKYO	17400.230	06	04	0837			SOUND OF HOPE		BC		A3E	107	E	01	47	N	55	307	B	11	MNG
J	TOKYO	17400.230	13	04	0658			SOUND OF HOPE		BC		A3E	106	E	49	48	N	13	307	A	11	MNG
J	TOKYO	17400.230	19	04	0503			SOUND OF HOPE		BC		A3E	107	E	11	47	N	53	307	A	11	MNG
J	TOKYO	17400.230	02	05	0048			SOUND OF HOPE		BC		A3E	107	E	43	47	N	46	307	A	11	MNG
J	TOKYO	17400.230	17	05	0902			SOUND OF HOPE		BC		A3E	109	E	52	48	N	09	307	B	11	MNG
J	TOKYO	17400.230	02	06	0517			SOUND OF HOPE		BC		A3E	106	E	50	47	N	48	206	A	11	MNG
J	TOKYO	17400.240	10	05	1037				MNG	BC		A3E	106	E	27	48	N	04	307	B		
J	TOKYO	17400.240	09	06	0235				CHN	BC		A3E	106	E	45	47	N	11	305	B		MNG
RUS	SMOLENSK	17435.000	16	04	0530	0630	10.0		KAZ	BC	2K99	A3E	063	E	22	46	N	55	98	B	11	
RUS	BELGOROD	17435.000	20	04	0628	0632	63.7		CHN	BC	8K90	A3E	076	E	02	39	N	17			11	
KOR	CRMS	17440.000	05	04	0622	0622	-4.3		CHN	BC		A3E									11	
INS	MSCK-TANGERANG	17440.000	13	04	0600	0630		SOH rely RFA	CHN	BC	9K00	A3E									11	
INS	MSKH-KUPANG	17440.000	14	04	0200	0210	2.3	SOH RELY RFA	CHN	BC	9K00E	A3E										SITE PINGTUNG

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	17440.000	02	05	0450	0450	0.6		CHN	BC		A3E									11	
KOR	CRMS	17440.000	09	06	0559	0559	14.3		CHN	BC		A3E									11	
J	TOKYO	17440.050	02	06	0520			SOUND OF HOPE		BC		A3E	121	E	19	25	N	01	242	A	11	TAIWAN
J	TOKYO	17440.060	10	05	1040			SOUND OF HOPE		BC		A3E							242	D		
J	TOKYO	17440.060	17	05	0907			SOUND OF HOPE		BC		A3E	120	E	38	22	N	58	239	B	11	TAIWAN
J	TOKYO	17440.060	26	05	0644			SOUND OF HOPE		BC		A3E	120	E	21	23	N	37	241	B	11	TAIWAN
J	TOKYO	17440.070	02	05	0052			SOUND OF HOPE		BC		A3E	121	E	37	25	N	02	242	B	11	TAIWAN
J	TOKYO	17440.250	13	04	0704			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	17440.250	19	04	0506			SOUND OF HOPE		BC		A3E	120	E	28	23	N	46	241	B	11	TAIWAN
J	TOKYO	17440.260	06	04	0842			SOUND OF HOPE		BC		A3E	121	E	34	24	N	51	242	B	11	TAIWAN
D	ITZEHOE	17452.000	22	04	0500	2030			TUR		200HE	F1B							110			BLACK SEA
D	ITZEHOE	17452.000	22	04	1045	2030			TUR		200HE	F1B							110			BLACK SEA
D	ITZEHOE	17455.050	22	04	0640	0710			RUS		15K0E	F7X	048	E	34	53	N	15	75			A OF SAMARA
RUS	BELGOROD	17485.000	21	04	0535	0538	55.8		CHN	BC	15K6	A3E	076	E	00	39	N	32				
RUS	S. PETERSBURG	17485.000	21	04	0620	0630	49.0		CHN	BC	15K8	A3E	076	E	00	39	N	30	105	B		
HNG	TARNOK	17485.001	07	05	0500	0657	41.7	CRI	CHN	BC	15K6	A3E										
RUS	SMOLENSK	17490.000	17	04	0730	0830	24.0		CHN	BC	2K99	A3E	075	E	49	39	N	30	99	B		
RUS	BELGOROD	17490.000	21	04	0700	0705	69.3		CHN	BC	15K6	A3E	075	E	45	39	N	22				
RUS	S. PETERSBURG	17490.000	21	04	0702	0710	44.0	China Radio Int.	CHN	BC	15K7	A3E	076	E	00	39	N	30	105	B		
RUS	NYAGAN	17490.000	21	04	1055	1059	56.0		CHN		2K40	A3E	076	E	04	38	N	21	160	A		
RUS	ARKHANGELSK	17490.000	21	04	1210	1220	40.0	China Radio Int.	CHN	BC	2K82	A3E							123	B		
RUS	MOROZOVSK	17490.000	21	04	1230	1245	33.0		CHN	BC	3K00	A3E	076	E	07	38	N	27	99	B		
RUS	BELGOROD	17490.000	21	04	1400	1405	43.6		D	BC	9K70	A3E	007	E	15	49	N	45				
I	ROMA	17490.000	02	05	1106	1107	28.0	CHINA RADIO INTERN.	CHN	BC	10K0	A3E							70	A		
HNG	TARNOK	17490.000	07	05	0700	1300	52.2	CRI	CHN	BC	15K5	A3E										
I	ROMA	17490.000	23	05	0749	0749	25.0	CHINA RADIO INTERN.	CHN	BC	10K0	A3E							70	A		
HNG	TARNOK	17509.999	07	05	0400	0700	18.3	CRI	CHN	BC	11K6	A3E										
INS	MSCK-TANGERANG	17510.000	14	04	0200	0230		CHINA RADIO INTERNATIONAL	CHN	BC	9K00	A3E										
RUS	BELGOROD	17510.000	21	04	0538	0543	51.5		CHN	BC	15K5	A3E	076	E	10	39	N	08				
HNG	TARNOK	17510.000	07	05	0500	0700	39.7	CRI	CHN	BC	15K5	A3E										
HNG	TARNOK	17510.001	07	05	1200	1230	25.6	CRI	CHN	BC	20K0	A3E										
RUS	BELGOROD	17520.000	21	04	0604	0607	63.5	Radio China Int.	CHN	BC	12K3	A3E	076	E	17	39	N	14				
RUS	S. PETERSBURG	17520.000	21	04	0650	0659	55.0		CHN	BC	13K0	A3E	076	E	00	39	N	30	105	B		
HNG	TARNOK	17520.000	07	05	0600	0700	55.6	CRI	CHN	BC	15K5	A3E										
HNG	TARNOK	17529.991	07	05	0830	0900	28.7	VOA	BOT	BC	10K0	A3E										
RUS	SMOLENSK	17530.000	17	04	0930	1030	16.0		CHN	BC	2K99	A3E	108	E	14	33	N	47	78	B		
RUS	BELGOROD	17530.000	21	04	0611	0619	58.5		MDG	BC	15K5	A3E	047	E	32	17	S	41				
RUS	BELGOROD	17530.000	21	04	1005	1009	58.9		CHN	BC	15K6	A3E	108	E	07	33	N	20				
RUS	NYAGAN	17530.000	21	04	1110	1115	44.0		CHN		8K49	A3E	108	E	45	32	N	13	117	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	17530.000	21	04	1120	1130	31.0	China Radio Int.	CHN	BC	2K92	A3E							93	B		
RUS	BELGOROD	17530.000	21	04	1348	1351	67.3		I	BC	9K30	A3E	012	E	52	43	N	07				
HNG	TARNOK	17530.001	07	05	0400	0500	28.9	WCB	MDG	BC	11K7	A3E										
HNG	TARNOK	17530.002	07	05	1500	1600	45.9	VOA	BOT	BC	10K8	A3E										
HNG	TARNOK	17530.005	07	05	1300	1400	39.8	VOA	CVA	BC	10K0	A3E										
HNG	TARNOK	17530.008	07	05	1930	2030	34.4	VOA	USA	BC	9K50	A3E										
HNG	TARNOK	17530.009	07	05	1700	1830	31.1	VOA	USA	BC	9K90	A3E										
HNG	TARNOK	17539.997	07	05	0300	0457	27.7	CRI	CHN	BC	11K2	A3E										
RUS	SMOLENSK	17540.000	18	04	0830	0930	62.0		CHN	BC	2K99	A3E	075	E	42	39	N	21	99	B		
RUS	BELGOROD	17540.000	21	04	0600	0604	61.7		CHN	BC	12K5	A3E	076	E	15	39	N	22				
HNG	TARNOK	17540.002	07	05	0500	0900	27.3	CRI	CHN	BC	15K5	A3E										
INS	MSCK-TANGERANG	17550.000	14	04	0400	0430		CNR 1 Voice of China	CHN	BC	9K00	A3E										
RUS	SMOLENSK	17550.000	17	04	0930	1030	21.0		CHN	BC	2K99	A3E	116	E	37	39	N	18	69	B		
RUS	BELGOROD	17550.000	21	04	0557	0559	58.8		CHN	BC	10K4	A3E	116	E	23	39	N	08				
RUS	S. PETERSBURG	17550.000	21	04	0820	0830	28.0		CHN	BC		A3E	116	E	37	40	N	04	70	B		
RUS	NYAGAN	17550.000	21	04	1117	1123	41.0		CHN		10K3	A3E	116	E	18	38	N	47	103	A		
RUS	ARKHANGELSK	17550.000	21	04	1130	1140	34.0	Voice of China	CHN	BC	1K83	A3E							82	B		
RUS	SMOLENSK	17560.000	18	04	0830	0930	45.0		CHN	BC	2K99	A3E	108	E	36	34	N	22	115	B		
RUS	S. PETERSBURG	17560.000	21	04	0830	0840	50.0		CHN	BC	9K74	A3E	108	E	52	34	N	17	80	B		
RUS	BELGOROD	17560.000	21	04	0840	0844	64.8		CHN	BC	9K70	A3E	108	E	49	34	N	05				
RUS	NYAGAN	17560.000	21	04	1217	1221	70.0		CHN		7K93	A3E	076	E	06	39	N	00	159	A		
RUS	ARKHANGELSK	17560.000	21	04	1220	1230	39.0	China Radio Int.	CHN	BC	2K82	A3E							123	B		
RUS	MOROZOVSK	17560.000	21	04	1245	1300	35.0		CHN	BC	3K00	A3E							99	B		
RUS	BELGOROD	17560.000	21	04	1351	1356	75.2		CHN	BC	7K60	A3E	075	E	54	39	N	06				
I	ROMA	17560.000	02	05	1205	1205	36.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
KOR	CRMS	17560.000	22	06	0048	0048	48.9		CHN	BC		A3E									6	
INS	MSKH-KUPANG	17565.000	14	04	0210	0215	33.2	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										SITE BEIJING
INS	MSCK-TANGERANG	17565.000	14	04	0430	0500		CNR 1 Voice of China	CHN	BC	9K00	A3E										
RUS	BELGOROD	17565.000	21	04	0554	0557	58.7		CHN	BC	10K7	A3E	116	E	23	39	N	08				
RUS	SMOLENSK	17570.000	18	04	0930	1030	62.0		CHN	BC	2K99	A3E	086	E	38	44	N	09	84	B		
RUS	BELGOROD	17570.000	21	04	1009	1018	67.7		CHN	BC	10K7	A3E	076	E	03	39	N	27				
RUS	NYAGAN	17570.000	21	04	1101	1105	65.0		CHN		8K96	A3E	076	E	34	37	N	50	159	A		
I	ROMA	17570.000	02	05	1109	1110	52.0	CHINA RADIO INTERNAT	CHN	BC	10K5E	A3E							70	A		
KOR	CRMS	17580.000	04	04	0541	0541	3.2	CNR	CHN	BC		A3E									3	
INS	MSCK-TANGERANG	17580.000	14	04	0530	0600		CNR 1 Voice of China	CHN	BC	9K00	A3E										
RUS	BELGOROD	17580.000	21	04	0650	0654	62.5		CHN	BC	7K30	A3E	111	E	34	36	N	07				
RUS	S. PETERSBURG	17580.000	21	04	0840	0850	48.0		CHN	BC	16K8	A3E							76	B		
RUS	NYAGAN	17580.000	21	04	1139	1149	46.0		CHN		8K84	A3E	111	E	32	35	N	32	111	A		
INS	MSKH-KUPANG	17595.000	14	04	0215	0220	19.9	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										SITE SHIJIAZHUANG

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	17595.000	14	04	0600	0630		CNR 1 Voice of China	CHN	BC	9K00	A3E										
RUS	BELGOROD	17595.000	21	04	0654	0659	61.0		CHN	BC	8K70	A3E	114	E	34	37	N	28				
HNG	TARNOK	17604.974	09	05	0300	1000	17.6	CNR1	CHN	BC	10K6	A3E									3	
INS	MSKH-KUPANG	17605.000	14	04	0220	0224	11.8	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										SITE BEIJING
INS	MSCK-TANGERANG	17605.000	14	04	0600	0630		CNR 1 Voice of China	CHN	BC	9K00	A3E										
RUS	SMOLENSK	17605.000	19	04	0830	0930	28.0		CHN	BC	2K99	A3E	116	E	45	39	N	40	68	B		
RUS	BELGOROD	17605.000	21	04	0550	0554	58.6		CHN	BC	11K0	A3E	116	E	23	39	N	08				
RUS	S. PETERSBURG	17605.000	21	04	0850	0858	52.0		CHN	BC	16K5	A3E	116	E	37	40	N	04	70	B		
RUS	BELGOROD	17605.000	21	04	1356	1359	54.7		MDG	BC	10K2	A3E	047	E	32	18	S	49				
KOR	CRMS	17615.000	04	04	0542	0542	11.1	CRI	CHN	BC		A3E									3	
RUS	SMOLENSK	17615.000	17	04	0530	0630	24.0		CHN	BC	2K99	A3E	086	E	50	44	N	08	84	B		
RUS	BELGOROD	17615.000	21	04	0543	0550	60.9		CHN	BC	15K5	A3E	086	E	45	44	N	35				
RUS	S. PETERSBURG	17615.000	21	04	0630	0640	59.0		CHN	BC	11K4	A3E	087	E	35	43	N	48	89	B		
RUS	BELGOROD	17615.000	21	04	0705	0711	65.5		CHN	BC	9K00	A3E	102	E	44	25	N	08				
KOR	CRMS	17615.000	02	05	0453	0453	12.0		CHN	BC		A3E									6	
HNG	TARNOK	17615.000	09	05	0500	0757	48.9	CRI	CHN	BC	10K5	A3E										
HNG	TARNOK	17615.010	09	05	0400	0500	39.8	VOA	THA	BC	11K4	A3E										
RUS	NYAGAN	17620.000	21	04	1129	1136	40.0		TUR		5K27	A3E	032	E	15	39	N	18	237	A		
RUS	ARKHANGELSK	17620.000	21	04	1230	1240	32.0	Radio France int.	F	BC	1K00	A3E							248	B		
I	ROMA	17620.000	02	05	1208	1208	21.0	R. FRANCE INT	F	BC	10K0	A3E							307	A		
HNG	TARNOK	17620.000	09	05	1700	1859	14.0	RFI	F	BC	11K8	A3E										
HNG	TARNOK	17624.999	09	05	0600	0900	13.9	CNR2	CHN	BC	10K8	A3E										
INS	MSKH-KUPANG	17625.000	14	04	0224	0228	33.3	CNR 2 - CHINA BUSINESS RADIO	CHN	BC	9K00E	A3E										SITE BEIJING
INS	MSCK-TANGERANG	17625.000	14	04	0600	0630		CNR 2-China Business Radio	CHN	BC	9K00	A3E										
RUS	ARKHANGELSK	17625.000	21	04	1200	1210	30.0	Radio Saudi Int	ARS	BC	2K98	A3E							172	B		
HNG	TARNOK	17630.000	09	05	1400	1550	43.1	CRI	CHN	BC	11K7	A3E										
KOR	CRMS	17635.000	10	06	0636	0636	26.7		CHN	BC		A3E									6	
HNG	TARNOK	17635.004	09	05	0600	0700	23.0	RFA	KWT	BC	11K4	A3E										
HNG	TARNOK	17639.997	09	05	0300	0500	31.5	CRI	CHN	BC	9K64	A3E										
INS	MSKH-KUPANG	17640.000	14	04	0228	0233	26.6	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										SITE XIANYANG
HNG	TARNOK	17640.000	09	05	0700	0829	27.9			BC	10K2	A3E										
HNG	TARNOK	17640.000	09	05	1600	1700	25.3	BBC	G	BC	11K7	A3E										
HNG	TARNOK	17640.010	09	05	0500	0530	33.7	NBT	THA	BC	9K70	A3E										RADIO THAILAND
HNG	TARNOK	17649.997	09	05	0600	1357	33.5	CRI	CHN	BC	10K4	A3E										
RUS	SMOLENSK	17650.000	19	04	0830	0930	45.0		CHN	BC	2K99	A3E	075	E	49	39	N	30	99	B		
RUS	BELGOROD	17650.000	21	04	0607	0611	61.9		CHN	BC	15K5	A3E	076	E	17	39	N	14				
RUS	S. PETERSBURG	17650.000	21	04	0640	0650	52.0		CHN	BC	15K6	A3E	076	E	00	39	N	30	105	B		
RUS	ARKHANGELSK	17650.000	21	04	1240	1250	51.0	China Radio Int.	CHN	BC	2K38	A3E							123	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	MOROZOVSK	17650.000	21	04	1300	1315	26.0		CHN	BC	3K00	A3E							100	B		
RUS	S. PETERSBURG	17650.000	22	04	0610	0620	65.0		CHN	BC	10K2	A3E	076	E	00	39	N	30	105	B		
RUS	BELGOROD	17650.000	22	04	0825	0828	60.1		CHN	BC	15K7	A3E	075	E	49	39	N	19				
RUS	SAMARA	17650.000	25	04	1200	1230	20.0		CHN	BC	10K0	A3E	075	E	42	39	N	21				
I	ROMA	17650.000	11	05	0748	0748	30.0	CHINA RADIO INTERNAT	CHN	BC	15K5E	A3E							70	A		
I	ROMA	17650.000	23	05	0754	0755	34.0	CHINA RADIO INTERNAT	CHN	BC	15K5E	A3E							70	A		
KOR	CRMS	17660.000	04	04	0543	0543	12.5	AGM	THA	BC		A3E									3	
KOR	CRMS	17660.000	14	04	0529	0529	47.9		CHN	BC		A3E									6	
RUS	MOROZOVSK	17660.000	22	04	1530	1545	33.0		ARS	BC	3K00	A3E	045	E	24	25	N	22	171	B		
KOR	CRMS	17660.000	02	05	0454	0454	8.9		CHN	BC		A3E									6	
RUS	S. PETERSBURG	17670.000	22	04	0710	0720	51.0	China Radio Int.	CHN	BC	16K4	A3E	076	E	00	39	N	30	105	B		
RUS	IRKUTSK	17670.000	22	04	0800	0830	3.0		CHN	BC		A3E	076	E	02	39	N	18	247	A		
RUS	BELGOROD	17670.000	22	04	0828	0833	61.7		CHN	BC	15K5	A3E	075	E	43	39	N	18				
RUS	ARKHANGELSK	17670.000	22	04	1110	1120	39.0	Radio Romania int.	ROU	BC	2K98	A3E							210	B		
I	ROMA	17670.000	11	05	0750	0751	20.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
KOR	CRMS	17670.000	24	05	0901	0901	19.9		CHN	BC		A3E									6	
KOR	CRMS	17670.000	30	06	0121	0121	34.0		CHN	BC		A3E									6	
RUS	SMOLENSK	17680.000	21	04	0530	0630	20.0		CHN	BC	2K99	A3E	076	E	07	39	N	38	99	B		
RUS	S. PETERSBURG	17680.000	22	04	0620	0630	42.0		CHN	BC	16K1	A3E	076	E	00	39	N	30	105	B		
RUS	NYAGAN	17680.000	22	04	0945	0947	25.0		CHN		1K96	A3E	104	E	50	24	N	41	126	A		
RUS	BELGOROD	17680.000	22	04	1015	1020	58.3		CHN	BC	8K30	A3E	102	E	54	25	N	53				
I	ROMA	17680.000	11	05	0753	0754	39.0	CHINA RADIO INTERNAT		BC	10K0E	A3E							70	A		
I	ROMA	17680.000	23	05	0758	0758	43.0	CHINA RADIO INTERNAT	CHN	BC	10K0E	A3E							70	A		
INS	MSKH-KUPANG	17690.000	15	04	0233	0236	36.5	R. FREE ASIA	USA	BC	9K00E	A3E										SITE AGIGNAN POINT
RUS	BELGOROD	17690.000	22	04	1159	1210	63.1		CHN	BC	10K7	A3E	109	E	00	18	N	24				
HNG	TARNOK	17709.996	11	05	0600	0800	20.5	CRI	CHN	BC	11K8	A3E										
RUS	YAKUTSK	17710.000	22	04	0318	0330	76.0		CHN	BC	6K33	A3E	118	E	47	27	N	04	197	A		
RUS	NOVOSIBIRSK	17710.000	22	04	0410	0440	5.0		CHN	BC		A3E	115	E	52	40	N	09	110	A		
RUS	IRKUTSK	17710.000	22	04	0415	0445	2.0		CHN	BC		A3E	115	E	52	40	N	09	144	A		
RUS	S. PETERSBURG	17710.000	22	04	0719	0730	36.0	China Radio Int.	CHN	BC		A3E	116	E	37	40	N	04	70	B		
INS	MSKH-KUPANG	17710.030	15	04	0236	0239	37.0	CHINA RADIO INTERNATIONAL	CHN	BC	9K00E	A3E										SITE JINHUA
RUS	SMOLENSK	17720.000	20	04	0530	0630	45.0		CHN	BC	2K99	A3E	075	E	55	39	N	36	99	B		
RUS	S. PETERSBURG	17720.000	22	04	0630	0640	48.0		CHN	BC		A3E	076	E	00	39	N	30	105	B		
RUS	BELGOROD	17720.000	22	04	0833	0839	61.9		SNG	BC	10K0	X7E	103	E	43	01	N	25				
HNG	TARNOK	17720.000	11	05	0500	0657	49.6	CRI	CHN	BC	11K2	A3E										
HNG	TARNOK	17720.000	11	05	0800	0900	25.1	BBC	G	BC	10K0E	X7E										DRM
HNG	TARNOK	17720.005	11	05	1730	1800	38.1	AWR	D	BC	10K3	A3E										
HNG	TARNOK	17720.013	11	05	0400	0500	50.4	TRT	TUR	BC	10K3E	A3E									3	
HNG	TARNOK	17724.999	11	05	1330	1359	26.5			BC	11K7	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	17725.007	11	05	1630	1700	41.1	AWR	D	BC	10K4	A3E										
HNG	TARNOK	17729.981	11	05	1150	1300	29.5			BC	11K7	A3E									3	
HNG	TARNOK	17729.999	11	05	0358	0500	34.0	CRI	CHN	BC	8K76E	A3E										
RUS	SMOLENSK	17730.000	20	04	0630	0730	55.0		ARS	BC	2K99	A3E	046	E	52	24	N	49	155	B		
RUS	IRKUTSK	17730.000	22	04	0500	0530	2.0		CHN	BC		A3E	109	E	00	33	N	57	169	A		
RUS	NOVOSIBIRSK	17730.000	22	04	0530	0600	33.0		CHN	BC		A3E	108	E	40	34	N	21	129	A		
RUS	S. PETERSBURG	17730.000	22	04	0640	0650	56.0		ARS	BC		A3E	046	E	05	24	N	22	156	B		
RUS	BELGOROD	17730.000	22	04	0839	0842	61.7		ARS	BC	9K20	A3E	046	E	49	25	N	12				
RUS	ARKHANGELSK	17730.000	22	04	1150	1200	30.0	China Radio Int.	CHN	BC	2K64	A3E							92	B		
RUS	BELGOROD	17730.000	22	04	1155	1159	64.5		UAE	BC	8K40	A3E	054	E	11	24	N	14				
HNG	TARNOK	17730.000	11	05	0550	0856	48.6	R.SAUDI	ARS	BC	10K3	A3E										
I	ROMA	17730.000	11	05	0759	0759	47.0	RADIO SAUDI	ARS	BC	10K0E	A3E							110	A		
I	ROMA	17730.000	23	05	0800	0801	42.0	RADIO SAUDI	ARS	BC	10K0E	A3E							110	A		
INS	MSKH-KUPANG	17735.000	15	04	0239	0242	33.9	VOICE OF AMERICA	PHL	BC	9K00E	A3E										SITE TINANG
HNG	TARNOK	17735.000	11	05	0830	0927	21.5	CRI	CHN	BC	10K0E	A3E										
INS	MSCK-TANGERANG	17740.000	15	04	0330	0400		CHINA RADIO INTERNATIONAL	CHN	BC	9K00	A3E										
RUS	SMOLENSK	17740.000	20	04	0530	0630	15.0		CHN	BC	2K99	A3E	108	E	32	32	N	43	78	B		
RUS	YAKUTSK	17740.000	22	04	0431	0445	73.0		CHN	BC	8K41	A3E	107	E	26	32	N	26	216	A		
RUS	NOVOSIBIRSK	17740.000	22	04	0650	0720	15.0		CHN	BC		A3E	109	E	02	34	N	28	128	A		
KOR	CRMS	17740.000	26	05	0523	0523	28.8		CHN	BC		A3E									6	
HNG	TARNOK	17744.981	11	05	1100	1140	28.0			BC	11K7	A3E									3	
HNG	TARNOK	17744.981	11	05	1400	1500	33.9	BBC	UAE	BC	11K0	A3E									3	
HNG	TARNOK	17744.999	11	05	1600	1700	55.9	DWI	F	BC	10K2	A3E										
KOR	CRMS	17750.000	05	04	0624	0624	8.2		CHN	BC		A3E									6	
RUS	IRKUTSK	17750.000	22	04	0725	0755	3.0		CHN	BC		A3E	108	E	51	34	N	38	169	A		
RUS	S. PETERSBURG	17750.000	22	04	0750	0758	40.0		CHN	BC	9K72	A3E	108	E	52	34	N	17	80	B		
RUS	NYAGAN	17750.000	22	04	0947	0950	45.0		CHN		2K99	A3E	075	E	58	38	N	17	160	A		
RUS	BELGOROD	17750.000	22	04	1020	1025	52.5		CHN	BC	15K0	A3E	075	E	46	39	N	30				
HNG	TARNOK	17750.000	11	05	0700	0757	20.5	CRI	CHN	BC	11K6	A3E										
KOR	CRMS	17750.000	23	06	0615	0615	40.9		CHN	BC		A3E									6	
HNG	TARNOK	17750.002	11	05	1000	1057	21.3	CRI	CHN	BC	11K6	A3E										
INS	MSKH-KUPANG	17760.000	15	04	0242	0245	3.5	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										SITE MIAOLI
INS	MSCK-TANGERANG	17760.000	15	04	0430	0500		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E										
RUS	SMOLENSK	17760.000	21	04	0530	0630	15.0		ROU	BC	2K99	A3E	026	E	50	46	N	44	204	B		
J	TOKYO	17769.950	09	06	0243				CHN				108	E	47	19	N	16	248	B		
J	TOKYO	17770.000	19	04	0511				CHN	BC		D7W	109	E	55	19	N	11	246	B		
RUS	YAKUTSK	17770.000	22	04	0849	0900	64.0		VTN	BC	9K81	X7E	108	E	12	15	N	33	208	A		
J	TOKYO	17770.000	02	05	0055				CHN	BC		D7W	108	E	56	19	N	07	247	A		
J	TOKYO	17770.000	26	05	0647				CHN	BC		D7W	108	E	39	18	N	57	247	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	17775.000	22	04	1031	1034	60.2		I	BC	9K40	A3E	012	E	59	42	N	39				
KOR	CRMS	17780.000	01	04	0736	0736	19.8		CHN	BC		A3E									6	
INS	MSKH-KUPANG	17780.000	15	04	0245	0247	20.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E										SITE MIAOLI
INS	MSCK-TANGERANG	17780.000	15	04	0530	0600		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E										
RUS	SMOLENSK	17780.000	21	04	0530	0630	15.0		CHN	BC	2K99	A3E	110	E	23	18	N	42				
RUS	BELGOROD	17780.000	22	04	0842	0847	57.2		CHN	BC	8K80	A3E	115	E	49	28	N	46				
RUS	BELGOROD	17780.000	22	04	1210	1213	63.4		CHN	BC	9K60	A3E	109	E	00	18	N	24				
KOR	CRMS	17780.000	26	04	0650	0650	17.3		CHN	BC		A3E									6	
KOR	CRMS	17780.000	06	05	0218	0218	11.9		CHN	BC		A3E									6	
KOR	CRMS	17780.000	10	05	0646	0646	16.6		CHN	BC		A3E									6	
KOR	CRMS	17780.000	08	06	0112	0112	24.0		CHN	BC		A3E									6	
KOR	CRMS	17780.000	10	06	0650	0650	23.9		CHN	BC		A3E									6	
RUS	SMOLENSK	17790.000	21	04	0530	0630	25.0		MDG	BC	2K99	A3E	046	E	29	17	S	01	165	B		
HNG	TARNOK	17800.000	13	05	1600	1700	47.1	DWI	F	BC	10K0	A3E										
J	TOKYO	17800.000	28	06	1053				CHN				091	E	34	29	N	21	275	A		
KOR	CRMS	17810.000	07	04	0558	0558	4.3		CHN	BC		A3E									6	
INS	MSKH-KUPANG	17810.000	15	04	0247	0253	27.2	NHK WORLD RADIO NIPPON	J	BC	9K00E	A3E										SITE IBARAGI-KOGA-YAMATA
RUS	YAKUTSK	17810.000	22	04	0335	0345	87.0		J	BC	6K49	A3E	139	E	56	36	N	51	161	A		
RUS	S. PETERSBURG	17810.000	22	04	0700	0710	38.0	VVS	OMA	BC	16K3	A3E	058	E	16	21	N	08	140	B		
RUS	BELGOROD	17810.000	22	04	0847	0850	41.9		OMA	BC	9K40	A3E	059	E	16	22	N	20				
RUS	NYAGAN	17810.000	22	04	1003	1008	43.0		OMA		2K99	A3E	059	E	08	19	N	18	189	A		
KOR	CRMS	17810.000	09	06	0602	0602	26.3		CHN	BC		A3E									6	
HNG	TARNOK	17810.003	13	05	0600	0700	22.1	RFA	USA	BC	9K80	A3E										
J	TOKYO	17830.000	13	04	0712			CHINA N.R.		BC		D7W	087	E	54	43	N	43	298	B		
J	TOKYO	17830.000	19	04	0513			CHINA N.R.		BC		D7W	087	E	42	43	N	46	298	A		
RUS	S. PETERSBURG	17830.000	22	04	0730	0750	62.0	VVS	CVA	BC	12K8	A3E	012	E	10	41	N	45	219	B		
RUS	BELGOROD	17830.000	22	04	0858	0901	45.1	Radio Farda	D	BC	12K6	A3E	010	E	53	50	N	53				
RUS	ARKHANGELSK	17830.000	22	04	1140	1150	30.0	Radio FARDA	D	BC	2K98	A3E							241	B		
RUS	SAMARA	17830.000	25	04	1230	1300	22.0		KAZ	BC	10K0	A3E	061	E	09	45	N	03				
HNG	TARNOK	17830.000	13	05	0500	0700	25.8				10K0E	F0N										OTHR
HNG	TARNOK	17830.000	13	05	1600	1800	24.6	BBC	G	BC	9K87	A3E										
J	TOKYO	17830.000	26	05	0650			CHINA N.R.		BC		D7W	087	E	46	43	N	39	298	B		
HNG	TARNOK	17830.002	13	05	0830	1530	36.8	R.FARDA	D	BC	12K6	A3E										
J	TOKYO	17830.300	09	06	0252			CHINA N.R.	CHN	BC		D7W	084	E	54	43	N	35	278	B		
RUS	BELGOROD	17840.000	22	04	0850	0853	48.6		CHN	BC	8K00	A3E	076	E	17	39	N	14				
RUS	NYAGAN	17840.000	22	04	1010	1014	52.0		CHN		2K07	A3E	076	E	00	38	N	08	160	A		
HNG	TARNOK	17840.001	13	05	0700	1057	19.0	CRI		BC	9K00E	A3E										
RUS	BELGOROD	17850.000	22	04	0853	0858	58.9		F	BC	10K0	A3E	001	E	46	46	N	44				
RUS	NYAGAN	17850.000	22	04	1014	1016	32.0		VTN		2K11	A3E	104	E	03	15	N	44	132	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	17850.000	24	04	0630	0730	37.0		F	BC	2K99	A3E	001	E	57	47	N	10	260	B		
RUS	BELGOROD	17850.000	25	04	0700	0705	59.0		F	BC	10K0	A3E	001	E	46	46	N	44				
I	ROMA	17850.000	11	05	0802	0802	29.0	R. FRANCE INTERNATIO	F	BC	10K0	A3E							307	A		
HNG	TARNOK	17850.000	13	05	0700	1000	43.8	RFI	F	BC	11K0	A3E										
HNG	TARNOK	17850.000	13	05	1700	2000	33.2	RFI	F	BC	10K1	A3E										
I	ROMA	17850.000	23	05	0803	0804	50.0	R. FRANCE INTERNATIO	F	BC	10K0	A3E							307	A		
HNG	TARNOK	17850.008	13	05	1000	1100	35.3	R.THAILAND	THA	BC	9K67	A3E										
RUS	SMOLENSK	17855.000	22	04	0530	0630	6.0		CHN	BC	2K99	A3E	115	E	56	39	N	33	69	B		
RUS	YAKUTSK	17855.000	25	04	0450	0600	69.0		CHN	BC	2K42	A3E	116	E	19	39	N	19	206	A		
RUS	BELGOROD	17855.000	25	04	0535	0542	61.3		CHN	BC	10K4	A3E	116	E	17	39	N	37				
RUS	NYAGAN	17855.000	25	04	0555	0558	19.0		CHN		10K1	A3E	116	E	32	39	N	12	103	A		
RUS	VERHNEYE DUBROVO	17855.000	25	04	0555	0558	19.0		CHN		10K1	A3E	116	E	32	39	N	12	92	C		
RUS	BELGOROD	17860.000	25	04	1250	1253	65.7		D	BC	11K7	A3E	010	E	18	50	N	16				
RUS	SMOLENSK	17865.000	24	04	0630	0730	37.0		CHN	BC	2K99	A3E	075	E	46	39	N	03	100	B		
RUS	BELGOROD	17865.000	25	04	0600	0607	56.8		CHN	BC	15K7	A3E	075	E	41	39	N	18				
RUS	S. PETERSBURG	17865.000	25	04	0725	0735	66.0		CHN	BC	15K5	A3E	075	E	57	38	N	28	106	B		
RUS	NYAGAN	17865.000	25	04	0754	0757	47.0		CHN		2K76	A3E	075	E	51	38	N	21	160	A		
INS	MSKH-KUPANG	17880.000	15	04	0255	0300	30.8	R. AZADI (R. FREE AFGHANISTAN)	THA	BC	9K00E	A3E										SITE UDON THANI
RUS	BELGOROD	17880.000	25	04	0542	0551	39.8		THA	BC	9K40	A3E	102	E	48	16	N	18				
RUS	SAMARA	17880.000	25	04	1300	1330	21.0		IRQ	BC	10K0	A3E	033	E	10	44	N	41				
INS	MSCK-TANGERANG	17890.000	18	04	0100	0130		CNR 1 Voice of China	CHN	BC	9K00	A3E										
RUS	YAKUTSK	17890.000	25	04	0439	0500	67.0		CHN	BC	2K42	A3E	116	E	51	39	N	16	205	A		
RUS	BELGOROD	17890.000	25	04	0551	0554	35.4		CHN	BC	7K40	A3E	116	E	17	40	N	37				
INS	MSKH-KUPANG	17890.000	29	06	0300	0302	9.0	CNR 1 VOICE OF CHINA	CHN	BC	9K00E	A3E										SITE BEIJING
INS	MSKH-KUPANG	17895.000	15	04	0320	0325	15.4	R. SAUDI	ARS	BC	9K00E	A3E										SITE RIYADH
INS	MSKH-KUPANG	17904.000	29	06	0303	0305	7.0	SAN FRANSISCO	USA	FA	2K80E	J3E										PENERBANGAN
INS	MSKH-KUPANG	17916.000	14	06	0434	0438	2.0	HIGH FREQUENCY DATA LINK (HFDL)	NZL	FA	2K40E	G7W										SITE AUCKLAND
INS	MSKH-KUPANG	17916.000	29	06	0306	0307	1.0	GROUND STATION 5 AUCKLAND	AUS	FA	2K40E	G7W										
J	TOKYO	17919.000	06	04	0903			GUAM		FA		J2D										
J	TOKYO	17919.000	13	04	0718			GUAM		FA		J2D										
J	TOKYO	17919.000	19	04	0517			GUAM		FA		J2D										
D	KREFELD	17919.000	20	04	0804	1913			RUS	LR	14K0	P0N							70			MORDOVIA
J	TOKYO	17919.000	26	05	0655			GUAM		FA		J2D										
J	TOKYO	17919.000	28	06	1044			GUAM		FA		J2D										
INS	MSKH-KUPANG	17919.000	29	06	0309	0311	1.0	GROUND STATION ID 2 MOLOKAI HAWAI	USA	FA	2K40E	G7W										
HNG	TARNOK	17929.453	15	05	0830	2400	12.0	GROUND 17	E	FX	3K00E	G1D										HF ACARS
HNG	TARNOK	17940.000	15	05	1115	1400	20.8				2K40E	J3E										USB
J	TOKYO	17946.000	02	05	0058			SAN FRANCISCO		FA		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	17946.000	26	05	0659			SAN FRANCISCO		FA		J3E										
J	TOKYO	17958.000	19	04	0519			MUAN		FA		J2D	126	E	38	35	N	03	271	B		
J	TOKYO	17958.000	02	05	0059			MUAN		FA		J2D										
J	TOKYO	17958.000	10	05	1050			MUAN		FA		J2D										
J	TOKYO	17958.000	17	05	0914			MUAN		FA		J2D										
J	TOKYO	17958.000	26	05	0704			MUAN		FA		J2D										
J	TOKYO	17958.000	02	06	0523			MUAN		FA		J2D										
J	TOKYO	17959.450	09	06	0303			MUAN		FA		J2D										
HNG	TARNOK	17959.500	15	05	1200	1300	16.0	GROUND 10	KOR	FX	3K00E	G1D										HF ACARS
HNG	TARNOK	17986.424	15	05	2100	2400	28.1	GROUND 03	NOR	FX	3K00E	G1D										HF ACARS
HNG	TARNOK	17991.000	15	05	2104	2110	22.1	DHM91			2K40E	J3E										USB
RUS	BELGOROD	18000.000	25	04	0648	0700	56.0		CYP	LR	25K8		032	E	51	34	N	41				
D	ITZEHOE	18000.000	27	04	0820	0845			TUR		20K0	F7X	030	E	26	36	N	41	131			A OF ANTALYA
J	TOKYO	18001.700	26	05	0748				USA			F1B	155	W	52	18	N	47	89	A		HWA
J	TOKYO	18045.000	17	05	1000														303	A		
J	TOKYO	18045.000	26	05	0753				KRE				126	E	32	39	N	47	295	A		
J	TOKYO	18060.000	13	04	0750				AUS			F3C	120	E	38	23	S	38	200	A		
J	TOKYO	18060.000	19	04	0601				AUS			F3C	119	E	31	25	S	15	201	B		
INS	MSKH-KUPANG	18060.000	21	04	0230	0233	18.4	VMW	AUS	FX	2K00E	F1C										STATION WILUNA (WEATHER FAX)
J	TOKYO	18060.000	02	05	0143			VMW				F3C	118	E	50	30	S	04	200	B		
J	TOKYO	18060.000	09	05	2350			VMW				F3C							199	A		
J	TOKYO	18060.000	02	06	0602			VMW				F3C	119	E	54	26	S	34	200	B		
J	TOKYO	18060.000	21	06	0133			VMW				F3C							200	B		
J	TOKYO	18060.000	27	06	2348			VMW				F3C	120	E	26	26	S	10	200	A		
INS	MSCK-TANGERANG	18090.150	19	04	0100	0130		Unknown		FX	3K00E	J3E										
RUS	NYAGAN	18100.200	26	04			22.0	JG1KYL	J	AT	50H0	F1B	141	E	00	35	N	30	83	A		
RUS	NYAGAN	18100.200	26	04			15.0	YU2MS	SRB	AT	51H0	F1B	019	E	00	43	N	30	257	A		
RUS	NYAGAN	18100.300	26	04			29.0	OE1WCA	AUT	AT	51H0	F1B	017	E	00	48	N	30	266	A		
RUS	NYAGAN	18100.300	26	04			19.0	DL3KVR	D	AT	50H0	F1B	013	E	00	54	N	30	278	A		
RUS	NYAGAN	18100.300	26	04			61.0	ES5VVH	EST	AT	50H0	F1B	027	E	00	58	N	30	277	A		
RUS	NYAGAN	18100.300	26	04			29.0	SV1EAG	GRC	AT	52H0	F1B	023	E	00	38	N	30	247	A		
RUS	NYAGAN	18100.300	26	04			33.0	JF1UMK	J	AT	51H0	F1B	141	E	00	35	N	30	83	A		
RUS	NYAGAN	18100.400	26	04			22.0	OZ1HFG	DNK	AT	51H0	F1B	013	E	00	55	N	30	280	A		
RUS	NYAGAN	18100.400	26	04			51.0	F6FLU	F	AT	50H0	F1B	003	E	00	48	N	30	278	A		
RUS	NYAGAN	18100.500	26	04			19.0	DK1MBY	D	AT	50H0	F1B	011	E	00	48	N	30	271	A		
RUS	NYAGAN	18100.500	26	04			22.0	EA1IOK	E	AT	52H0	F1B	007	W	00	42	N	30	268	A		
RUS	NYAGAN	18100.500	26	04			15.0	M0HSG	G	AT	50H0	F1B	001	W	00	51	N	30	283	A		
RUS	NYAGAN	18100.500	26	04			29.0	IU8BPS	I	AT	50H0	F1B	015	E	00	40	N	30	258	A		
RUS	NYAGAN	18100.500	26	04			26.0	YO4NF	ROU	AT	52H0	F1B	029	E	00	44	N	30	247	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	18100.600	26	04			11.0	DG0KT	D	AT	51H0	F1B	013	E	00	54	N	30	278	A		
RUS	NYAGAN	18100.600	26	04			58.0	OH8NW	FIN	AT	52H0	F1B	023	E	00	60	N	30	285	A		
RUS	NYAGAN	18100.600	26	04			22.0	G7TKJ	G	AT	52H0	F1B	001	W	00	54	N	30	287	A		
RUS	NYAGAN	18100.600	26	04			22.0	JH7LUC	J	AT	51H0	F1B	141	E	00	37	N	30	82	A		
RUS	NYAGAN	18100.600	26	04			51.0	JA7OWB	J	AT	50H0	F1B	141	E	00	38	N	30	81	A		
RUS	NYAGAN	18100.600	26	04			29.0	YO9FUL	ROU	AT	50H0	F1B	027	E	00	44	N	30	249	A		
RUS	NYAGAN	18100.700	26	04			26.0	OZ0JD	DNK	AT	51H0	F1B	009	E	00	57	N	30	286	A		
RUS	NYAGAN	18100.700	26	04			33.0	ES1AO	EST	AT	50H0	F1B	025	E	00	59	N	30	281	A		
RUS	NYAGAN	18100.700	26	04			26.0	M0TQR	G	AT	50H0	F1B	003	W	00	50	N	30	280	A		
RUS	NYAGAN	18100.700	26	04			54.0	IT9FJE	I	AT	50H0	F1B	015	E	00	37	N	30	255	A		
RUS	NYAGAN	18100.700	26	04			29.0	JF2RYX	J	AT	52H0	F1B	137	E	00	34	N	30	87	A		
RUS	NYAGAN	18100.700	26	04			26.0	YL2EF	LVA	AT	52H0	F1B	021	E	00	56	N	30	276	A		
RUS	NYAGAN	18100.700	26	04			33.0	SM7HZK	S	AT	50H0	F1B	015	E	00	56	N	30	281	A		
RUS	NYAGAN	18100.800	26	04			15.0	M10NWA	G	AT	51H0	F1B	007	W	00	54	N	30	283	A		
RUS	NYAGAN	18100.800	26	04			22.0	IU7HDD	I	AT	50H0	F1B	017	E	00	41	N	30	257	A		
RUS	NYAGAN	18100.800	26	04			26.0	JR7HYR	J	AT	52H0	F1B	141	E	00	37	N	30	82	A		
RUS	NYAGAN	18100.800	26	04			36.0	LA5HPA	NOR	AT	52H0	F1B	005	E	00	58	N	30	291	A		
RUS	NYAGAN	18100.800	26	04			40.0	LA3BO	NOR	AT	51H0	F1B	011	E	00	59	N	30	289	A		
RUS	NYAGAN	18100.900	26	04			15.0	OZ6PI	DNK	AT	51H0	F1B	009	E	00	57	N	30	286	A		
RUS	NYAGAN	18100.900	26	04			22.0	F5CIW	F	AT	52H0	F1B	007	E	00	48	N	30	274	A		
RUS	NYAGAN	18100.900	26	04			11.0	GI0VAB	G	AT	51H0	F1B	005	W	00	54	N	30	284	A		
RUS	NYAGAN	18100.900	26	04			11.0	SV2HTY	GRC	AT	50H0	F1B	023	E	00	40	N	30	249	A		
RUS	NYAGAN	18100.900	26	04			44.0	JA4NIJ	J	AT	51H0	F1B	133	E	00	34	N	30	91	A		
RUS	NYAGAN	18100.900	26	04			19.0	JA1GLM	J	AT	51H0	F1B	139	E	00	35	N	30	85	A		
RUS	NYAGAN	18100.900	26	04			29.0	SP8AOV	POL	AT	51H0	F1B	023	E	00	51	N	30	265	A		
RUS	NYAGAN	18101.000	26	04			26.0	ON7LSP	BEL	AT	50H0	F1B	003	E	00	50	N	30	280	A		
RUS	NYAGAN	18101.000	26	04			15.0	EA4GA	E	AT	51H0	F1B	003	W	00	40	N	30	269	A		
RUS	NYAGAN	18101.000	26	04			26.0	EC3A	E	AT	50H0	F1B	001	E	00	40	N	30	271	A		
RUS	NYAGAN	18101.000	26	04			22.0	OH6XB	FIN	AT	51H0	F1B	025	E	00	62	N	30	289	A		
RUS	NYAGAN	18101.000	26	04			36.0	MW0HKA	G	AT	50H0	F1B	003	W	00	51	N	30	281	A		
RUS	NYAGAN	18101.000	26	04			26.0	JA7CSS	J	AT	51H0	F1B	141	E	00	39	N	30	80	A		
RUS	NYAGAN	18101.000	26	04			29.0	JA5USR	J	AT	50H0	F1B	133	E	00	34	N	30	91	A		
RUS	NYAGAN	18101.000	26	04			19.0	JR1TMI	J	AT	52H0	F1B	139	E	00	35	N	30	85	A		
RUS	NYAGAN	18101.000	26	04			33.0	JA2DVI	J	AT	52H0	F1B	137	E	00	35	N	30	87	A		
RUS	NYAGAN	18101.000	26	04			19.0	SM5LBR	S	AT	52H0	F1B	017	E	00	59	N	30	286	A		
RUS	NYAGAN	18101.000	26	04			29.0	YU1MI	SRB	AT	51H0	F1B	021	E	00	43	N	30	255	A		
HNG	TARNOK	18101.000	17	05	0400	2400	22.9				50H0	F1B										FT8
RUS	NYAGAN	18101.100	26	04			22.0	G8ZSG	G	AT	51H0	F1B	005	W	00	51	N	30	280	A		
RUS	NYAGAN	18101.100	26	04			19.0	M7LWP	G	AT	52H0	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	NYAGAN	18101.100	26	04			40.0	PA5DX	HOL	AT	52H0	F1B	007	E	00	52	N	30	280	A		
RUS	NYAGAN	18101.100	26	04			33.0	LA4PM	NOR	AT	52H0	F1B	011	E	00	63	N	30	298	A		
RUS	NYAGAN	18101.200	26	04			29.0	DL1HCN	D	AT	50H0	F1B	011	E	00	53	N	30	278	A		
RUS	NYAGAN	18101.200	26	04			33.0	F5UJQ	F	AT	51H0	F1B	001	W	00	44	N	30	275	A		
RUS	NYAGAN	18101.200	26	04			24.0	OH9MWB	FIN	AT	51H0	F1B	023	E	00	67	N	30	305	A		
RUS	NYAGAN	18101.200	26	04			33.0	G0CER	G	AT	50H0	F1B	003	W	00	52	N	30	283	A		
RUS	NYAGAN	18101.200	26	04			19.0	HA7TM	HNG	AT	51H0	F1B	019	E	00	47	N	30	262	A		
RUS	NYAGAN	18101.200	26	04			11.0	IK7XNF	I	AT	50H0	F1B	017	E	00	41	N	30	257	A		
RUS	NYAGAN	18101.200	26	04			29.0	JH7RWQ	J	AT	51H0	F1B	141	E	00	38	N	30	81	A		
RUS	NYAGAN	18101.200	26	04			33.0	JA1IOA	J	AT	50H0	F1B	141	E	00	36	N	30	83	A		
RUS	NYAGAN	18101.200	26	04			29.0	LY1CT	LTU	AT	51H0	F1B	021	E	00	55	N	30	274	A		
RUS	NYAGAN	18101.200	26	04			15.0	LB2WD	NOR	AT	52H0	F1B	009	E	00	58	N	30	288	A		
RUS	NYAGAN	18101.200	26	04			22.0	YO9JAZ	ROU	AT	52H0	F1B	025	E	00	44	N	30	252	A		
RUS	NYAGAN	18101.300	26	04			19.0	DF2ET	D	AT	51H0	F1B	007	E	00	51	N	30	278	A		
RUS	NYAGAN	18101.300	26	04			19.0	OZ8ZN	DNK	AT	50H0	F1B	011	E	00	55	N	30	282	A		
RUS	NYAGAN	18101.300	26	04			11.0	JP3AWA	J	AT	51H0	F1B	135	E	00	34	N	30	89	A		
RUS	NYAGAN	18101.300	26	04			15.0	JF9QGG	J	AT	50H0	F1B	137	E	00	36	N	30	86	A		
RUS	NYAGAN	18101.300	26	04			19.0	LA6HNA	NOR	AT	52H0	F1B	011	E	00	63	N	30	298	A		
RUS	NYAGAN	18101.400	26	04			15.0	ON7BM	BEL	AT	51H0	F1B	005	E	00	50	N	30	279	A		
RUS	NYAGAN	18101.400	26	04			15.0	EV1P	BLR	AT	50H0	F1B	029	E	00	53	N	30	262	A		
RUS	NYAGAN	18101.400	26	04			22.0	5P5N	DNK	AT	51H0	F1B	015	E	00	55	N	30	279	A		
RUS	NYAGAN	18101.400	26	04			44.0	F4IDN	F	AT	52H0	F1B	001	W	00	47	N	30	278	A		
RUS	NYAGAN	18101.400	26	04			26.0	JJ7SRA	J	AT	51H0	F1B	141	E	00	39	N	30	80	A		
RUS	NYAGAN	18101.400	26	04			26.0	JH4RWV	J	AT	51H0	F1B	133	E	00	34	N	30	91	A		
RUS	NYAGAN	18101.400	26	04			22.0	JA9ELE	J	AT	51H0	F1B	137	E	00	36	N	30	86	A		
RUS	NYAGAN	18101.400	26	04			11.0	YU7PAA	SRB	AT	52H0	F1B	021	E	00	44	N	30	256	A		
RUS	NYAGAN	18101.500	26	04			36.0	BD3GIP	CHN	AT	51H0	F1B	109	E	00	40	N	30	109	A		
RUS	NYAGAN	18101.500	26	04			33.0	DG0OFT	D	AT	51H0	F1B	011	E	00	50	N	30	274	A		
RUS	NYAGAN	18101.500	26	04			33.0	EA5IBI	E	AT	51H0	F1B	001	W	00	38	N	30	269	A		
RUS	NYAGAN	18101.500	26	04			26.0	EA1GUB	E	AT	52H0	F1B	009	W	00	43	N	30	267	A		
RUS	NYAGAN	18101.500	26	04			22.0	2E0FGA	G	AT	50H0	F1B	001	W	00	53	N	30	286	A		
RUS	NYAGAN	18101.500	26	04			33.0	MW7TTA	G	AT	50H0	F1B	005	W	00	53	N	30	283	A		
RUS	NYAGAN	18101.500	26	04			26.0	G0FHT	G	AT	50H0	F1B	005	W	00	50	N	30	279	A		
RUS	NYAGAN	18101.500	26	04			22.0	SV5AZK	GRC	AT	50H0	F1B	029	E	00	36	N	30	238	A		
RUS	NYAGAN	18101.500	26	04			29.0	PA5COR	HOL	AT	52H0	F1B	005	E	00	53	N	30	283	A		
RUS	NYAGAN	18101.500	26	04			29.0	IN3IZO/P	I	AT	52H0	F1B	011	E	00	46	N	30	268	A		
RUS	NYAGAN	18101.500	26	04			29.0	J11ILB	J	AT	52H0	F1B	139	E	00	36	N	30	84	A		
RUS	NYAGAN	18101.600	26	04			26.0	OZ2PJ	DNK	AT	50H0	F1B	013	E	00	55	N	30	280	A		
RUS	NYAGAN	18101.600	26	04			29.0	OH6FYP	FIN	AT	52H0	F1B	023	E	00	62	N	30	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
RUS	NYAGAN	18101.600	26	04			11.0	G0FIC	G	AT	50H0	F1B	005	W	00	50	N	30	279	A		
RUS	NYAGAN	18101.600	26	04			33.0	M6NVD	G	AT	52H0	F1B	003	W	00	53	N	30	284	A		
RUS	NYAGAN	18101.600	26	04			11.0	M7TAS	G	AT	52H0	F1B	003	W	00	51	N	30	281	A		
RUS	NYAGAN	18101.600	26	04			18.0	M6YJB	G	AT	51H0	F1B	001	W	00	53	N	30	286	A		
RUS	NYAGAN	18101.600	26	04			26.0	JA4BWN	J	AT	50H0	F1B	133	E	00	34	N	30	91	A		
RUS	NYAGAN	18101.600	26	04			33.0	YO7BPC	ROU	AT	51H0	F1B	025	E	00	44	N	30	252	A		
RUS	NYAGAN	18101.700	26	04			22.0	2E0DBS	G	AT	51H0	F1B	001	E	00	52	N	30	284	A		
RUS	NYAGAN	18101.700	26	04			44.0	M0UTD	G	AT	51H0	F1B	003	W	00	53	N	30	284	A		
RUS	NYAGAN	18101.700	26	04			15.0	MM0HVVU	G	AT	50H0	F1B	003	W	00	55	N	30	287	A		
RUS	NYAGAN	18101.700	26	04			33.0	IK8WCP	I	AT	51H0	F1B	015	E	00	41	N	30	259	A		
RUS	NYAGAN	18101.700	26	04			26.0	SM6PZI	S	AT	52H0	F1B	013	E	00	58	N	30	286	A		
RUS	NYAGAN	18101.800	26	04			19.0	DL3BOB	D	AT	50H0	F1B	009	E	00	47	N	30	271	A		
RUS	NYAGAN	18101.800	26	04			36.0	EA5BM	E	AT	52H0	F1B	001	W	00	39	N	30	270	A		
RUS	NYAGAN	18101.800	26	04			19.0	M0YTT	G	AT	50H0	F1B	001	W	00	53	N	30	286	A		
RUS	NYAGAN	18101.800	26	04			29.0	JH4GXR	J	AT	50H0	F1B	133	E	00	34	N	30	91	A		
RUS	NYAGAN	18101.800	26	04			15.0	SM3IZB	S	AT	50H0	F1B	019	E	00	63	N	30	294	A		
RUS	NYAGAN	18101.900	26	04			29.0	ON8BZ	BEL	AT	51H0	F1B	003	E	00	51	N	30	281	A		
RUS	NYAGAN	18101.900	26	04			19.0	DK7ZT	D	AT	52H0	F1B	009	E	00	50	N	30	275	A		
RUS	NYAGAN	18101.900	26	04			36.0	G4SWY	G	AT	50H0	F1B	001	W	00	51	N	30	283	A		
RUS	NYAGAN	18101.900	26	04			40.0	G3VMW	G	AT	51H0	F1B	001	W	00	53	N	30	286	A		
RUS	NYAGAN	18101.900	26	04			17.0	G3PXT	G	AT	52H0	F1B	001	E	00	52	N	30	284	A		
RUS	NYAGAN	18101.900	26	04			29.0	SM3JBO	S	AT	51H0	F1B	019	E	00	63	N	30	294	A		
RUS	NYAGAN	18101.900	26	04			44.0	S51TA	SVN	AT	51H0	F1B	015	E	00	45	N	30	264	A		
RUS	NYAGAN	18102.000	26	04			18.0	OH6PP	FIN	AT	50H0	F1B	027	E	00	61	N	30	285	A		
RUS	NYAGAN	18102.000	26	04			29.0	G8MIA	G	AT	50H0	F1B	001	W	00	52	N	30	284	A		
RUS	NYAGAN	18102.000	26	04			47.0	9A7BB	HRV	AT	51H0	F1B	015	E	00	45	N	30	264	A		
RUS	NYAGAN	18102.000	26	04			15.0	JA6EDJ	J	AT	51H0	F1B	131	E	00	31	N	30	95	A		
RUS	NYAGAN	18102.000	26	04			18.0	SA7DXN	S	AT	51H0	F1B	013	E	00	55	N	30	280	A		
RUS	NYAGAN	18102.000	26	04			40.0	YU7AS	SRB	AT	51H0	F1B	021	E	00	45	N	30	257	A		
RUS	NYAGAN	18102.100	26	04			29.0	DL1AOB	D	AT	51H0	F1B	011	E	00	50	N	30	274	A		
RUS	NYAGAN	18102.100	26	04			22.0	EA2ELH	E	AT	52H0	F1B	001	W	00	42	N	30	273	A		
RUS	NYAGAN	18102.100	26	04			29.0	G3ZCH	G	AT	51H0	F1B	003	W	00	53	N	30	284	A		
RUS	NYAGAN	18102.100	26	04			15.0	JA4FDZ	J	AT	52H0	F1B	133	E	00	34	N	30	91	A		
RUS	NYAGAN	18102.200	26	04			51.0	DD7GU	D	AT	50H0	F1B	007	E	00	49	N	30	276	A		
RUS	NYAGAN	18102.200	26	04			65.0	F6DHD	F	AT	51H0	F1B	007	E	00	48	N	30	274	A		
RUS	NYAGAN	18102.200	26	04			22.0	G1YOS	G	AT	50H0	F1B	001	W	00	51	N	30	283	A		
RUS	NYAGAN	18102.200	26	04			33.0	IK3SCB	I	AT	50H0	F1B	011	E	00	45	N	30	267	A		
RUS	NYAGAN	18102.300	26	04			44.0	EW4M	BLR	AT	50H0	F1B	025	E	00	53	N	30	266	A		
RUS	NYAGAN	18102.300	26	04			33.0	F4EJL	F	AT	52H0	F1B	007	E	00	49	N	30	276	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	18102.300	26	04			26.0	G0PHP	G	AT	51H0	F1B	001	W	00	53	N	30	286	A		
RUS	NYAGAN	18102.300	26	04			19.0	TA3BD	TUR	AT	52H0	F1B	027	E	00	38	N	30	243	A		
RUS	NYAGAN	18102.400	26	04			19.0	DL5NAV	D	AT	52H0	F1B	007	E	00	53	N	30	281	A		
RUS	NYAGAN	18102.400	26	04			19.0	F4TJI	F	AT	52H0	F1B	003	E	00	46	N	30	275	A		
RUS	NYAGAN	18102.400	26	04			40.0	M0UPL	G	AT	51H0	F1B	001	W	00	51	N	30	283	A		
RUS	NYAGAN	18102.400	26	04			19.0	JR5JEU	J	AT	51H0	F1B	133	E	00	33	N	30	92	A		
RUS	NYAGAN	18102.400	26	04			26.0	JG8DSR	J	AT	52H0	F1B	141	E	00	42	N	30	78	A		
INS	MSCK-TANGERANG	18104.320	19	04	0130	0200		Unknown		FX	3K00E	J3E										
HNG	TARNOK	18120.000	17	05	2040	2215	25.2	9K2JJ	KWT	AT	2K90	J3E										USB
HNG	TARNOK	18127.000	17	05	1915	2100	19.4	9H5BZ	MLT	AT	2K80	J3E										USB
RUS	BELGOROD	18138.000	26	04	1230	1234	26.2		G	AT	2K00	J3E	003	W	22	56	N	25				
RUS	SMOLENSK	18143.500	24	04	1000	1020	10.0		NOR	AT	2K99	J3E	068	E	35	16	N	34	339	B		
RUS	S. PETERSBURG	18175.000	26	04	0710	0720	30.0		CYP		21K8	P0N	032	E	42	35	N	07	175	B		
RUS	BELGOROD	18175.000	26	04	0730	0733	29.7		CYP	LR	27K1		032	E	51	34	N	41				
J	TOKYO	18179.760	02	06	0606			SOUND OF HOPE		BC		A3E	121	E	02	24	N	38	242	B	11	TAIWAN
J	TOKYO	18179.760	21	06	0134			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	18179.830	09	06	0417			SOUND OF HOPE		BC		A3E	121	E	23	25	N	09	242	A	11	TAIWAN
J	TOKYO	18179.850	26	05	0758			SOUND OF HOPE		BC		A3E	121	E	24	24	N	44	241	A	11	TAIWAN
J	TOKYO	18179.870	09	05	2352			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	18179.880	17	05	1003			SOUND OF HOPE		BC		A3E									11	
J	TOKYO	18179.890	06	04	1006			SOUND OF HOPE		BC		A3E	121	E	34	24	N	08	240	B	11	TAIWAN
J	TOKYO	18179.950	02	05	0151			SOUND OF HOPE		BC		A3E	121	E	31	25	N	04	242	B	11	TAIWAN
KOR	CRMS	18180.000	06	04	0129	0129	-5.0		CHN	BC		A3E									11	
INS	MSKH-KUPANG	18180.000	21	04	0235	0237	1.7	SOH XI WANG ZHI SHENG	CHN	BC	9K00E	A3E									11	SITE MIAOLI
KOR	CRMS	18180.000	22	04	0659	0659	12.4		THA	BC		A3E									11	
KOR	CRMS	18180.000	06	05	0219	0219	0.7		CHN	BC		A3E									11	
KOR	CRMS	18180.000	22	06	0050	0050	11.0		CHN	BC		A3E									11	
J	TOKYO	18199.850	27	04	0417			SOUND OF HOPE		BC		A3E	126	E	33	33	N	21	263	B	11	KOR
J	TOKYO	18267.300	02	06	0610				CHN			J2B	119	E	07	35	N	13	275	B		
D	KONSTANZ	18280.000	12	05	0755	2120					315H	F1B							132			
HNG	TARNOK	18300.000	19	05	1715	1825	50.2				24K0E	F0N										OTHR
HNG	TARNOK	18329.000	19	05	1306	1321	17.5				23K2E	F0N										OTHR
HNG	TARNOK	18329.900	19	05	0632	0710	45.6				21K2E	F0N										OTHR
HNG	TARNOK	18330.000	19	05	1926	2016	42.2				24K0E	F0N										OTHR
RUS	BELGOROD	18366.800	27	04	0605	0610	9.6		SEN	FX	2K60		017	W	28	14	N	44				
D	ITZEHOE	18366.850	16	05	0000	2400					2K70E	G7D	032	W	31	15	N	54	218			
D	ITZEHOE	18366.850	17	05	0000	2400					2K70E	G7D	032	W	31	15	N	54	218			
D	ITZEHOE	18366.850	18	05	0000	2400					2K70E	G7D	032	W	31	15	N	54	218			
HNG	TARNOK	18366.890	19	05	0606	2400	14.1				2K80	G1D										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	18370.000	09	05	2357				USA			F1B	144	E	43	13	N	23	169	A		
J	TOKYO	18370.000	26	05	0805				USA			F1B	144	E	40	13	N	25	169	A		GUM
J	TOKYO	18370.000	09	06	0422				USA			F1B	144	E	50	13	N	34	168	A		GUM
J	TOKYO	18370.000	27	06	2354				USA			F1B	144	E	37	13	N	18	169	A		GUM
J	TOKYO	18370.010	06	04	1014				USA			F1B	144	E	39	13	N	23	169	A		GUM
J	TOKYO	18370.010	27	04	0419				USA			F1B	144	E	42	13	N	24	169	B		GUM
HNG	TARNOK	18490.000	21	05	1651	1747	52.9				30K0E	F0N										OTHR
RUS	S. PETERSBURG	18495.000	28	04	1120	1140	26.0		YEM	FX	8K97	G1D							163	B		
D	ITZEHOE	18495.200	23	05	0000	2400			EGY		2K40E	G7D	034	E	05	27	N	21	137			RED SEA NEAR HURGHADA
D	ITZEHOE	18495.200	24	05	0000	2400			EGY		2K40E	G7D	034	E	05	27	N	21	137			RED SEA NEAR HURGHADA
RUS	BELGOROD	18495.300	28	04	0615	0622	1.7		DJI	FX	2K60		043	E	08	11	N	32				
HNG	TARNOK	18495.300	21	05	0000	2400	19.8				3K00E	G1D										STANAG 4285
HNG	TARNOK	18499.999	19	06	1800	1900	44.6	DWL	F	BC	10K0	A3E										
HNG	TARNOK	18546.000	21	05	1747	1820	56.4				30K0E	F0N										OTHR
RUS	BELGOROD	18549.160	28	04	0625	0633	0.8		USA		2K90		066	W	05	18	N	23				
RUS	BELGOROD	18552.800	28	04	0633	0640	0.6		USA		2K80		066	W	05	18	N	23				
J	TOKYO	18558.000	27	04	0423				USA			F1B	155	W	42	19	N	28	88	B		HWA
J	TOKYO	18558.000	10	05	0005							F1B							89	A		
J	TOKYO	18558.000	17	05	1007							F1B										
J	TOKYO	18558.000	09	06	0426				USA			F1B	158	W	00	21	N	38	87	A		HWA
J	TOKYO	18558.000	27	06	2358				USA			F1B	155	W	44	19	N	04	88	A		HWA
J	TOKYO	18583.700	21	06	0141														192	A		
J	TOKYO	18600.000	19	04	0620				F				165	E	30	21	S	17	153	B		NCL
J	TOKYO	18600.200	26	05	0812				F				164	E	44	20	S	25	153	A		NCL
J	TOKYO	18600.250	02	05	0202				F				165	E	22	21	S	27	153	B		NCL
J	TOKYO	18600.300	02	06	0616				F			J2B	165	E	57	21	S	41	153	A		NCL
INS	MSCK-TANGERANG	18643.100	21	04	0600	0630		Unknown		FX	3K00E	J3E										
J	TOKYO	18679.690	13	04	0808			SOUND OF HOPE		BC		A3E									11	
HNG	TARNOK	18682.000	23	05	2028	2040	19.7				16K0E	F0N										OTHR
HNG	TARNOK	18687.000	23	05	0950	1020	49.5				34K0E	F0N										OTHR
HNG	TARNOK	18696.000	23	05	0000	0115	18.8				400H	F1B										50BD 200HZ
HNG	TARNOK	18696.000	23	05	0500	0601	22.5				400H	F1B										
HNG	TARNOK	18696.000	23	05	2010	2400	27.7				290H	F1B										50BD 200HZ
D	ITZEHOE	18696.000	07	06	0210	2248			RUS		100HE	F1B	052	E	32	55	N	22	72			A OF KAZAN
D	ITZEHOE	18696.000	08	06	0225	0322			RUS		100HE	F1B	052	E	32	55	N	22	72			A OF KAZAN
D	ITZEHOE	18696.000	08	06	0800	1803			RUS		100HE	F1B	052	E	32	55	N	22	72			A OF KAZAN
D	ITZEHOE	18696.000	09	06	0030	2400			RUS		100HE	F1B	052	E	32	55	N	22	72			A OF KAZAN
J	TOKYO	18696.000	28	06	0002							F1B							295	C		
J	TOKYO	18709.000	17	05	1012				RUS			F1B	131	E	59	43	N	09	321	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	18709.000	28	06	0002				RUS			F1B	131	E	52	43	N	33	322	A		
HNG	TARNOK	18734.000	23	05	0704	0734	14.5				12K0E	F0N										OTHR
J	TOKYO	18735.000	28	06	0016				AUS				131	E	08	12	S	15	192	A		
D	ITZEHOE	18736.700	10	06	1143	1854					2K60E	G7D							73			
J	TOKYO	18736.750	09	06	0429				AUS				130	E	32	12	S	41	173	A		
INS	MSCK-TANGERANG	18760.580	22	04	0430	0500		Unknown		FX	3K00E	H3E										
J	TOKYO	18848.250	28	06	0020				AUS				147	E	19	19	S	22	172	A		
J	TOKYO	18848.500	19	04	0629				AUS				145	E	46	18	S	58	173	B		
D	KREFELD	18865.000	06	05	1017	1208			RUS	LR	12K0	P0N							70			MORDWINIEN
J	TOKYO	18889.940	09	06	0433			V.O. KOREA		BC		A3E	125	E	02	40	N	03	295	A	11	
J	TOKYO	18895.000	27	04	0428			CHINA N.R.		BC		A3E									11	
J	TOKYO	18899.580	02	06	0629			SOUND OF HOPE		BC		A3E	126	E	25	33	N	15	262	B	11	KOR
J	TOKYO	18899.910	21	06	0145			CHINA N.R.		BC		A3E	130	E	39	46	N	38	329	A	11	
KOR	CRMS	18900.000	05	04	0626	0626	15.1		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	18900.000	25	04	0130	0200		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E										
KOR	CRMS	18900.000	29	04	0719	0719	37.1		CHN	BC		A3E									6	
J	TOKYO	18900.000	02	05	0211			CHINA N.R.		BC		A3E	130	E	26	46	N	38	328	B	11	
KOR	CRMS	18900.000	02	05	0537	0537	11.9		CHN	BC		A3E									6	
RUS	YAKUTSK	18900.000	04	05	0027	0040	66.0		CHN	BC	4K10	A3E	115	E	56	27	N	09	201	A		
RUS	IRKUTSK	18900.000	04	05	0515	0545	3.0		CHN	BC		A3E	110	E	23	19	N	20	170	A		
RUS	S. PETERSBURG	18900.000	04	05	0640	0650	35.0		CHN	BC		A3E							58	B		
RUS	SAMARA	18900.000	04	05	0700	0800	21.0		CHN	BC	10K0	A3E	120	E	42	24	N	23				
RUS	SAMARA	18900.000	04	05	0843	0850	44.0		J	BC	10K0	A3E	139	E	59	37	N	27	66			
RUS	NYAGAN	18900.000	04	05	1012	1017	50.0		CHN		2K07	A3E	102	E	54	23	N	36	129	A		
RUS	VERHNEYE DUBROVO	18900.000	04	05	1012	1017	50.0		CHN		2K07	A3E	102	E	54	23	N	36	120	A		
RUS	BELGOROD	18900.000	04	05	1102	1108	38.4		CHN	BC	8K90	A3E	115	E	23	28	N	59				
RUS	ARKHANGELSK	18900.000	04	05	1200	1210	31.0	SOH Xi Wang Zhi	CHN	BC	2K51	A3E							88	B		
KOR	CRMS	18900.000	10	05	0647	0647	7.2		CHN	BC		A3E									6	
J	TOKYO	18900.000	17	05	1014			CHINA N.R.		BC		A3E	130	E	34	46	N	40	330	A	11	
J	TOKYO	18900.000	02	06	0627			CHINA N.R.		BC		A3E	107	E	46	23	N	18	255	B	11	
J	TOKYO	18900.000	02	06	0720				CHN	BC		A3E	131	E	03	46	N	28	330	B		
KOR	CRMS	18900.000	03	06	0755	0755	-1.0		CHN	BC		A3E									6	
KOR	CRMS	18900.000	10	06	0651	0651	18.5		CHN	BC		A3E									6	
HNG	TARNOK	18900.001	25	05	1002	1300	24.4		CHN	BC	9K57	A3E										TWO TRANSMISSIONS
HNG	TARNOK	18900.002	25	05	0200	1000	32.7	SOH XI WANG	CHN	BC	11K8	A3E										
HNG	TARNOK	18930.000	25	05	1328	1340	28.3				20K0E	F0N										OTHR
KOR	CRMS	18970.000	25	04	0500	0500	41.1		CHN	BC		A3E									6	
INS	MSCK-TANGERANG	18970.000	25	04	0500	0530		SOH Xi Wang Zhi Sheng	CHN	BC	9K00	A3E										
KOR	CRMS	18970.000	29	04	0720	0720	49.4		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	18970.000	02	05	0537	0537	26.4		CHN	BC		A3E									6	
RUS	YAKUTSK	18970.000	04	05	0045	0055	90.0		CHN	BC	5K58	A3E	119	E	45	30	N	25	196	A		
RUS	NOVOSIBIRSK	18970.000	04	05	0320	0350	24.0		CHN	BC		A3E	110	E	24	19	N	28	139	A		
RUS	BELGOROD	18970.000	04	05	0600	0606	13.5		CHN	BC	10K0	A3E	109	E	27	19	N	34				
RUS	S. PETERSBURG	18970.000	04	05	0715	0725	43.0		CHN	BC		A3E							92	B		
RUS	SAMARA	18970.000	04	05	0730	0745	43.0		CHN	BC	10K0	A3E	093	E	02	39	N	36	97			
RUS	VERHNEYE DUBROVO	18970.000	04	05	0905	0910	29.0		CHN		2K05	A3E	087	E	03	44	N	02	116	A		
RUS	NYAGAN	18970.000	04	05	0905	0910	29.0		CHN		2K05	A3E	087	E	03	44	N	02	135	A		
RUS	ARKHANGELSK	18970.000	04	05	1210	1220	30.0	SOH Xi Wang Zhi	CHN	BC	1K78	A3E							88	B		
KOR	CRMS	18970.000	09	05	0556	0556	21.1		CHN	BC		A3E									6	
KOR	CRMS	18970.000	03	06	0756	0756	13.7		CHN	BC		A3E									6	
KOR	CRMS	18970.000	10	06	0651	0651	20.7		CHN	BC		A3E									6	
J	TOKYO	18980.000	13	04	0814							A1A							224	A		
J	TOKYO	18980.000	27	04	0431							A1A							222	C		
INS	MSCK-TANGERANG	19003.210	25	04	0600	0700		Unknown		FX	3K00E	J3E										
HNG	TARNOK	19020.000	27	05	1012	1047	13.0				10K0	F0N										OTHR
J	TOKYO	19048.750	09	06	0440				AUS				130	E	37	12	S	35	192	A		
D	KREFELD	19053.500	19	04	0705	1400		XMI	CYP	FX	3K00	G1D							120			AKKROTIRI
D	KREFELD	19053.500	20	04	0700	1422		XMI	CYP	FX	3K00	G1D							120			AKROTIRI
D	KREFELD	19053.500	21	04	0655	1522		XMI	CYP	FX	3K00	G1D							120			AKROTIRI
RUS	BELGOROD	19053.500	05	05	0700	0705	6.4		CYP		3K00	G1D	033	E	04	35	N	18				
INS	MSCK-TANGERANG	19062.350	25	04	2330	2400		Unknown		FX	3K00E	J3E										
INS	MSCK-TANGERANG	19100.100	26	04	0130	0200		Unknown		FX	3K00E	J3E										
J	TOKYO	19111.000	09	06	0444				RUS			F1B	034	E	04	68	N	45	337	B		
D	KREFELD	19142.000	26	04	0634	0636			RUS	LR	12K0	P0N							69			MORDOVIA
HNG	TARNOK	19150.000	27	05	1300	1400					20K0	F0N										OTHR
HNG	TARNOK	19150.000	27	05	1600	1624	35.4				20K0	F0N										OTHR
D	KREFELD	19160.000	27	04	1105	1112			RUS		700H	F1B							64			
HNG	TARNOK	19160.000	27	05	0558	0610	34.1				20K0	F0N										OTHR
D	KREFELD	19169.000	02	05	0900	1123			RUS	LR	14K0	P0N							70			MORDOVIA
HNG	TARNOK	19170.000	27	05	1957	2104	52.3				20K0	F0N										OTHR
D	KREFELD	19175.000	25	04	1312	1354			RUS	LR	14K0	P0N							69			MORDOVIA
D	KREFELD	19176.000	25	04	1106	1121			RUS	LR	14K0	P0N							70			MORDOVIA
D	KREFELD	19178.000	02	05	1355	1615			RUS	LR	14K0	P0N							70			MORDOVIA
J	TOKYO	19179.850	13	04	0754			SOUND OF HOPE		BC		A3E									11	
D	KREFELD	19185.000	02	05	1245	1342			RUS	LR	14K0	P0N							70			MORDOVIA
D	KREFELD	19186.000	03	05	0900	0915			RUS	LR	14K0	P0N							70			MORDOVIA
D	KREFELD	19197.000	04	05	1216	1249			RUS	LR	14K0	P0N							70			MORDOVIA
J	TOKYO	19250.000	02	06	0645				CHN			J3E	113	E	41	30	N	36	265	B		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D	KREFELD	19256.000	04	05	0500	1655			RUS	FX	400H	F1B							26			MURMANSK
HNG	TARNOK	19256.101	27	05	1000	1916	28.2				300HE	F1B										50BD 200HZ
INS	MSCK-TANGERANG	19265.300	26	04	2330	2400		Unknown		FX	3K00E	J3E										
D	KREFELD	19270.000	04	05	1308	1350			CYP	LR	20K0	P0N							121			AKROTIRI
HNG	TARNOK	19293.000	27	05	1650	1705	22.2				10K0	F0N										OTHR
HNG	TARNOK	19300.000	27	05	1029	1039	22.1				10K0	F0N										OTHR
D	KREFELD	19346.750	10	05	0900	0925			G		3K00E	G1D							203			
D	KREFELD	19352.000	12	05	1220	1350			RUS		400H	F1B							75			
D	KREFELD	19360.000	11	05	0410	0615			CHN	LR	10K0	P0N							55			
D	KREFELD	19370.000	10	05	1104	1114			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19414.000	16	05	1030	1105			RUS	LR	12K0	P0N							70			MORDOVIA
D	KREFELD	19417.000	16	05	1001	1015			RUS	LR	12K0	P0N							70			MORDOVIA
D	KREFELD	19418.000	18	05	1305	1334			RUS	LR	12K0	P0N							69			MORDOVIA
D	KREFELD	19423.000	16	05	1143	1416			RUS	LR	12K0	P0N							69			MORDOVIA
D	KREFELD	19446.000	18	05	1131	1416			RUS	LR	12K0	P0N							69			MORDOVIA
D	KREFELD	19525.000	24	05	1244	1255			CYP	LR	20K0	P0N							121			AKROTIRI
D	ITZEHOE	19535.000	24	05	0835	0840			CYP	LR	20K0	P0N							130			AKROTIRI
J	TOKYO	19540.000	17	05	1022														296	B		
D	KREFELD	19540.000	23	05	1025	1037			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19550.000	24	05	0525	0620			CYP	LR	20K0	P0N							121			AKROTIRI
INS	MSCK-TANGERANG	19554.650	28	04	0400	0430		Unknown		FX	3K00E	H3E										
J	TOKYO	19560.000	13	04	0830				CHN	BC		A3E	108	E	52	34	N	18	276	A		
J	TOKYO	19560.000	17	05	1023														295	A		
D	KREFELD	19560.000	24	05	1214	1220			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19570.000	23	05	0640	0655			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19570.000	23	05	0855	0904			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19590.000	25	05	0420	0436			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19590.000	27	05	0731	0740			CYP	LR	20K0	P0N							121			AKROTIRI
D	KREFELD	19688.000	10	05	0800	1800			RUS		400H	F1B							27			MURMANSK
D	KREFELD	19688.000	11	05	0800	1800			RUS		400H	F1B							27			MURMANSK
D	KREFELD	19688.000	12	05	0800	1800			RUS		400H	F1B							27			MURMANSK
J	TOKYO	19688.000	17	05	1025							F1B							336	A		
J	TOKYO	19688.000	26	05	0821				RUS			F1B	034	E	34	68	N	23	336	B		
HNG	TARNOK	19688.000	29	05	0700	1800	19.1				400H	F1B										50BD 200HZ
HNG	TARNOK	19692.000	29	05	1533	1541	15.8				2K20E	J3E										USB
J	TOKYO	19709.700	02	06	0652				AUS			J2B	129	E	35	20	S	58	192	A		
J	TOKYO	19709.800	21	06	0153														192	A		
RUS	BELGOROD	19730.000	12	05	0954	1014	34.4		CYP	LR	24K6		032	E	51	34	N	41				
D	KREFELD	19730.000	12	05	0954	1025			CYP	LR	20K0	P0N							123			AKROTIRI

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	19730.000	12	05	1320	1430	30.0		EGY			P0N	028	E	53	29	N	04	182	B		
INS	MSCK-TANGERANG	19733.310	29	04	0300	0330		Unknown		FX	3K00E	J3E										
J	TOKYO	19742.700	02	06	0655				AUS			J2B	131	E	06	15	S	09	191	A		
D	KREFELD	19775.000	18	05	1222	1306			CYP	LR	20K0	P0N							121			AKROTIRI
HNG	TARNOK	19790.000	29	05	1140	1144					24K0E	F0N										OTHR
RUS	BELGOROD	19900.000	13	05	0845	0847	4.3		TUR		2K60		033	E	12	38	N	34				
J	TOKYO	19984.000	09	06	0454				RUS			F1B	132	E	22	43	N	27	325	A		
J	TOKYO	20000.000	02	06	0659			BPM		SS		AXW										
RUS	BELGOROD	20016.480	13	05	1212	1215	7.5		EGY		1K80		031	E	22	30	N	59				
J	TOKYO	20047.900	17	05	1032			S				A1A										
J	TOKYO	20048.000	28	06	0030			F				A1A	132	E	51	42	N	53	323	A		
J	TOKYO	20048.100	19	04	0647			A				A1A										
J	TOKYO	20048.300	17	05	1032			K				A1A	158	E	17	53	N	10	30	A		
J	TOKYO	20048.300	09	06	0458			K				A1A	158	E	10	53	N	03	30	B		
J	TOKYO	20048.370	02	06	0709			K				A1A	158	E	19	53	N	54	28	B		
RUS	BELGOROD	20056.500	13	05	1244	1248	8.6		EGY		2K90		031	E	22	30	N	59				
J	TOKYO	20108.200	10	05	0030				AUS				113	E	54	22	S	37	207	A		
J	TOKYO	20108.250	28	06	0032				AUS				144	E	57	37	S	54	176	A		
J	TOKYO	20111.800	10	05	0031				AUS				113	E	54	22	S	32	208	B		
RUS	BELGOROD	20240.000	16	05	1000	1004	34.3		CYP	LR	21K0		032	E	51	34	N	41				
HNG	TARNOK	20270.000	02	06	0930	1100	18.4				10K0	F0N										OTHR
J	TOKYO	20469.000	19	04	0653				AUS			F3C	144	E	34	24	S	42	175	B		
J	TOKYO	20469.000	27	04	0448				AUS			F3C	144	E	59	37	S	13	176	B		
J	TOKYO	20469.000	10	05	0038			VMC				F3C										
RUS	S. PETERSBURG	20536.000	18	05	0635	0645	29.0		TUR	FX	375H	F1B	031	E	23	41	N	20	177	B		
J	TOKYO	20548.750	02	05	0232				AUS				131	E	04	12	S	37	191	B		
J	TOKYO	20548.750	26	05	0828				AUS				113	E	40	22	S	01	208	A		
J	TOKYO	20551.800	17	05	1040							F1B							193	A		
HNG	TARNOK	20604.000	04	06	0818	0840	15.5				3K00	J3E										USB
RUS	BELGOROD	20630.000	18	05	0603	0614	40.9		CYP	LR	26K6		032	E	51	34	N	41				
HNG	TARNOK	20666.500	04	06	1210	1254	15.9				3K00	J3E										LSB
HNG	TARNOK	20777.600	04	06	0605	0642	15.5				3K00	J3E										USB
RUS	S. PETERSBURG	20790.000	19	05	1216	1226	33.0		CYP	FX	22K3	P0N	033	E	16	34	N	55	174	B		
RUS	S. PETERSBURG	20925.000	20	05	0907	0917	37.0		EGY	FX		P0N	030	E	27	30	N	00	179	B		
INS	MSCK-TANGERANG	20932.150	09	05	0300	0330		Unknown		FX	3K00E	H3E										
HNG	TARNOK	21015.010	06	06	0940	0950	19.2	R350T	RUS	AT	100HE	A1A										
INS	MSKH-KUPANG	21067.500	24	05	0315	0320	1.1	W1AW	USA	AT	1K00E	A1A										AMERICAN RADIO RELAY LEAGUE
RUS	NYAGAN	21074.100	23	05			28.0	SQ9ETV	POL	AT	52H0	F1B	019	E	00	50	N	30	267			
RUS	NYAGAN	21074.200	23	05			28.0	EA1YO	E	AT	51H0	F1B	005	W	00	43	N	30	270			

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	21074.200	23	05			20.0	EA8DHH	E	AT	52H0	F1B	017	W	00	28	N	30	246			
RUS	NYAGAN	21074.200	23	05			8.0	IU8BPS	I	AT	50H0	F1B	015	E	00	40	N	30	258			
RUS	NYAGAN	21074.300	23	05			18.0	ON4KEB	BEL	AT	52H0	F1B	005	E	00	50	N	30	279			
RUS	NYAGAN	21074.300	23	05			25.0	BH3APK	CHN	AT	52H0	F1B	117	E	00	38	N	30	103			
RUS	NYAGAN	21074.300	23	05			23.0	BH8UQR	CHN	AT	51H0	F1B	103	E	00	25	N	30	128			
RUS	NYAGAN	21074.300	23	05			0.0	PD1WO	HOL	AT	52H0	F1B	005	E	00	51	N	30	280			
RUS	NYAGAN	21074.300	23	05			10.0	IK4LZH	I	AT	50H0	F1B	011	E	00	44	N	30	266			
RUS	NYAGAN	21074.400	23	05			28.0	F1TRF	F	AT	52H0	F1B	007	E	00	49	N	30	276			
RUS	NYAGAN	21074.500	23	05			15.0	BG5CKL	CHN	AT	52H0	F1B	121	E	00	29	N	30	106			
RUS	NYAGAN	21074.500	23	05			33.0	JH1CZK	J	AT	50H0	F1B	139	E	00	36	N	30	84			
RUS	NYAGAN	21074.500	23	05			25.0	5Z4VJ	KEN	AT	52H0	F1B	037	E	00	02	S	30	212			
RUS	NYAGAN	21074.500	23	05			23.0	YO8SCT	ROU	AT	51H0	F1B	027	E	00	47	N	30	254			
RUS	NYAGAN	21074.600	23	05			13.0	BH2UEZ	CHN	AT	50H0	F1B	121	E	00	38	N	30	99			
RUS	NYAGAN	21074.600	23	05			50.0	DL1KP	D	AT	51H0	F1B	007	E	00	51	N	30	278			
RUS	NYAGAN	21074.600	23	05			13.0	JA6GIR	J	AT	50H0	F1B	131	E	00	33	N	30	93			
RUS	NYAGAN	21074.600	23	05			25.0	JR1TMI	J	AT	50H0	F1B	139	E	00	35	N	30	85			
RUS	NYAGAN	21074.600	23	05			18.0	HF6W	POL	AT	50H0	F1B	019	E	00	50	N	30	267			
RUS	NYAGAN	21074.700	23	05			23.0	BH7QP	CHN	AT	50H0	F1B	107	E	00	23	N	30	125			
RUS	NYAGAN	21074.700	23	05			25.0	OK1VRV	CZE	AT	52H0	F1B	013	E	00	50	N	30	272			
RUS	NYAGAN	21074.700	23	05			33.0	EA2URV	E	AT	51H0	F1B	003	W	00	43	N	30	272			
RUS	NYAGAN	21074.700	23	05			20.0	IZ0MEA	I	AT	51H0	F1B	013	E	00	42	N	30	262			
RUS	NYAGAN	21074.700	23	05			18.0	IU2EBR	I	AT	50H0	F1B	011	E	00	45	N	30	267			
RUS	NYAGAN	21074.700	23	05			48.0	JA8ECS	J	AT	52H0	F1B	141	E	00	43	N	30	77			
RUS	NYAGAN	21074.700	23	05			35.0	SP8DK	POL	AT	52H0	F1B	023	E	00	50	N	30	263			
RUS	NYAGAN	21074.800	23	05			20.0	9A5E	HRV	AT	52H0	F1B	015	E	00	45	N	30	264			
RUS	NYAGAN	21074.800	23	05			15.0	JA5LUA	J	AT	52H0	F1B	135	E	00	34	N	30	89			
RUS	NYAGAN	21074.800	23	05			20.0	SQ9GOL	POL	AT	52H0	F1B	019	E	00	50	N	30	267			
RUS	NYAGAN	21074.800	23	05			33.0	YU5DR	SRB	AT	51H0	F1B	021	E	00	44	N	30	256			
RUS	NYAGAN	21074.800	23	05			35.0	OM3LK	SVK	AT	51H0	F1B	021	E	00	49	N	30	263			
RUS	NYAGAN	21074.900	23	05			30.0	HZ1SGI	ARS	AT	50H0	F1B	047	E	00	24	N	30	207			
RUS	NYAGAN	21074.900	23	05			20.0	BH6LIG	CHN	AT	51H0	F1B	113	E	00	35	N	30	110			
RUS	NYAGAN	21074.900	23	05			40.0	BD0BK	CHN	AT	50H0	F1B	087	E	00	43	N	30	136			
RUS	NYAGAN	21074.900	23	05			25.0	DM3HZN	D	AT	50H0	F1B	013	E	00	50	N	30	272			
RUS	NYAGAN	21074.900	23	05			18.0	IU1DXU	I	AT	52H0	F1B	007	E	00	45	N	30	271			
RUS	NYAGAN	21074.900	23	05			20.0	IT9SSI	I	AT	52H0	F1B	015	E	00	38	N	30	256			
RUS	NYAGAN	21074.900	23	05			20.0	A41ZZ	OMA	AT	52H0	F1B	059	E	00	23	N	30	189			
RUS	NYAGAN	21075.000	23	05			28.0	BG3RZA	CHN	AT	51H0	F1B	115	E	00	40	N	30	103			
RUS	NYAGAN	21075.000	23	05			23.0	OH8AV	FIN	AT	52H0	F1B	025	E	00	65	N	30	299			
RUS	NYAGAN	21075.000	23	05			5.0	OH3EYR	FIN	AT	52H0	F1B	025	E	00	60	N	30	283			

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	21075.000	23	05			18.0	G8IXM	G	AT	52H0	F1B	001	E	00	52	N	30	284			
RUS	NYAGAN	21075.000	23	05			35.0	HA7JDU	HNG	AT	51H0	F1B	017	E	00	47	N	30	264			
RUS	NYAGAN	21075.000	23	05			23.0	JE8OGI	J	AT	51H0	F1B	141	E	00	41	N	30	79			
RUS	NYAGAN	21075.000	23	05			15.0	JE1JIM	J	AT	52H0	F1B	139	E	00	35	N	30	85			
RUS	NYAGAN	21075.000	23	05			23.0	UN7GDB	KAZ	AT	51H0	F1B	077	E	00	43	N	30	155			
RUS	NYAGAN	21075.000	23	05			18.0	OM8FR	SVK	AT	51H0	F1B	021	E	00	49	N	30	263			
RUS	SLAVYANKA	21075.000	24	05	1045	1115	14.0		J		3K99		139	E	51	36	N	17	132	A		
HNG	TARNOK	21075.000	06	06	1000	2100	22.0			AT	80H0E	F7B										FT8
RUS	NYAGAN	21075.100	23	05			25.0	DO2PZ	D	AT	50H0	F1B	013	E	00	52	N	30	275			
RUS	NYAGAN	21075.100	23	05			30.0	OZ6HQ	DNK	AT	50H0	F1B	009	E	00	55	N	30	283			
RUS	NYAGAN	21075.100	23	05			18.0	F4FSY	F	AT	52H0	F1B	005	E	00	45	N	30	273			
RUS	NYAGAN	21075.100	23	05			23.0	F5SYC	F	AT	52H0	F1B	003	E	00	50	N	30	280			
RUS	NYAGAN	21075.100	23	05			40.0	SV5AZP	GRC	AT	51H0	F1B	029	E	00	36	N	30	238			
RUS	NYAGAN	21075.100	23	05			25.0	IK4JSI	I	AT	50H0	F1B	011	E	00	44	N	30	266			
RUS	NYAGAN	21075.100	23	05			23.0	YC5NKF	INS	AT	50H0	F1B	101	E	00	00	N	30	141			
RUS	NYAGAN	21075.100	23	05			25.0	OD5ZZ	LBN	AT	50H0	F1B	035	E	00	34	N	30	229			
RUS	NYAGAN	21075.100	23	05			25.0	TA7I	TUR	AT	52H0	F1B	039	E	00	41	N	30	230			
RUS	NYAGAN	21075.200	23	05			18.0	EA1DR	E	AT	52H0	F1B	003	W	00	42	N	30	271			
RUS	NYAGAN	21075.200	23	05			18.0	EA3FIR	E	AT	52H0	F1B	003	E	00	41	N	30	270			
RUS	NYAGAN	21075.200	23	05			20.0	SV1ONU	GRC	AT	51H0	F1B	023	E	00	38	N	30	247			
RUS	NYAGAN	21075.200	23	05			45.0	HA1RB	HNG	AT	52H0	F1B	017	E	00	46	N	30	263			
RUS	NYAGAN	21075.300	23	05			40.0	EA4ZM	E	AT	52H0	F1B	007	W	00	38	N	30	264			
RUS	NYAGAN	21075.300	23	05			18.0	F8ICL	F	AT	52H0	F1B	001	E	00	45	N	30	276			
RUS	NYAGAN	21075.300	23	05			25.0	HA7JIV	HNG	AT	50H0	F1B	019	E	00	47	N	30	262			
RUS	NYAGAN	21075.300	23	05			20.0	SP7SMF	POL	AT	50H0	F1B	019	E	00	51	N	30	268			
RUS	NYAGAN	21075.300	23	05			30.0	YO7LLH	ROU	AT	51H0	F1B	023	E	00	44	N	30	254			
RUS	NYAGAN	21075.400	23	05			20.0	OK2IH	CZE	AT	52H0	F1B	017	E	00	49	N	30	267			
RUS	NYAGAN	21075.400	23	05			35.0	DM5WH	D	AT	52H0	F1B	009	E	00	50	N	30	275			
RUS	NYAGAN	21075.400	23	05			28.0	DK7ZT	D	AT	51H0	F1B	009	E	00	50	N	30	275			
RUS	NYAGAN	21075.400	23	05			25.0	SV2FNT	GRC	AT	52H0	F1B	021	E	00	40	N	30	252			
RUS	NYAGAN	21075.400	23	05			30.0	SV2OEL	GRC	AT	51H0	F1B	021	E	00	40	N	30	252			
RUS	NYAGAN	21075.400	23	05			38.0	YO9HB	ROU	AT	50H0	F1B	027	E	00	44	N	30	249			
RUS	NYAGAN	21075.400	23	05			18.0	T77BL	SMR	AT	51H0	F1B	013	E	00	43	N	30	263			
RUS	NYAGAN	21075.500	23	05			18.0	BG7IDX	CHN	AT	50H0	F1B	113	E	00	22	N	30	119			
RUS	NYAGAN	21075.500	23	05			20.0	BH1HWF	CHN	AT	51H0	F1B	117	E	00	40	N	30	101			
RUS	NYAGAN	21075.500	23	05			40.0	OK1MDK	CZE	AT	52H0	F1B	015	E	00	49	N	30	269			
RUS	NYAGAN	21075.500	23	05			28.0	PA3EPP	HOL	AT	52H0	F1B	007	E	00	52	N	30	280			
RUS	NYAGAN	21075.500	23	05			15.0	VU2JAW	IND	AT	50H0	F1B	077	E	00	08	N	30	166			
RUS	NYAGAN	21075.600	23	05			28.0	JT1YL	CHN	AT	51H0	F1B	107	E	00	47	N	30	103			

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	21075.600	23	05			38.0	F1PPH	F	AT	51H0	F1B	001	E	00	47	N	30	278			
RUS	NYAGAN	21075.600	23	05			8.0	9A4AA	HRV	AT	52H0	F1B	015	E	00	45	N	30	264			
RUS	NYAGAN	21075.600	23	05			30.0	JA1IDQ	J	AT	52H0	F1B	139	E	00	35	N	30	85			
RUS	NYAGAN	21075.600	23	05			33.0	SM7XYQ	S	AT	50H0	F1B	015	E	00	57	N	30	283			
RUS	NYAGAN	21075.700	23	05			28.0	EA1AKS	E	AT	50H0	F1B	005	W	00	43	N	30	270			
RUS	NYAGAN	21075.700	23	05			20.0	MM0HVV	G	AT	52H0	F1B	003	W	00	55	N	30	287			
RUS	NYAGAN	21075.700	23	05			23.0	G0JEH	G	AT	50H0	F1B	003	W	00	53	N	30	284			
RUS	NYAGAN	21075.700	23	05			20.0	SV1HAB	GRC	AT	52H0	F1B	023	E	00	37	N	30	246			
RUS	NYAGAN	21075.700	23	05			10.0	9A7PBV	HRV	AT	52H0	F1B	017	E	00	45	N	30	262			
RUS	NYAGAN	21075.700	23	05			30.0	IK1JUS	I	AT	50H0	F1B	007	E	00	45	N	30	271			
RUS	NYAGAN	21075.700	23	05			25.0	VU2YYF	IND	AT	50H0	F1B	077	E	00	12	N	30	165			
RUS	NYAGAN	21075.700	23	05			13.0	JE5DWU	J	AT	51H0	F1B	133	E	00	34	N	30	91			
RUS	NYAGAN	21075.700	23	05			18.0	JJ1EIO	J	AT	51H0	F1B	139	E	00	35	N	30	85			
RUS	NYAGAN	21075.800	23	05			25.0	ON4QX	BEL	AT	52H0	F1B	005	E	00	50	N	30	279			
RUS	NYAGAN	21075.800	23	05			23.0	SV2AOB	GRC	AT	51H0	F1B	023	E	00	40	N	30	249			
RUS	NYAGAN	21075.800	23	05			38.0	HA9HZL	HNG	AT	50H0	F1B	021	E	00	48	N	30	262			
RUS	NYAGAN	21075.800	23	05			25.0	HA7NL	HNG	AT	50H0	F1B	021	E	00	47	N	30	260			
RUS	NYAGAN	21075.800	23	05			25.0	JH2IUV	J	AT	52H0	F1B	139	E	00	35	N	30	85			
RUS	NYAGAN	21075.800	23	05			35.0	SP3OWE	POL	AT	50H0	F1B	017	E	00	51	N	30	270			
RUS	NYAGAN	21075.900	23	05			28.0	OH6PP	FIN	AT	50H0	F1B	027	E	00	61	N	30	285			
RUS	NYAGAN	21075.900	23	05			43.0	PA3CXB	HOL	AT	51H0	F1B	007	E	00	52	N	30	280			
RUS	NYAGAN	21075.900	23	05			28.0	SP3DOF	POL	AT	50H0	F1B	015	E	00	52	N	30	273			
RUS	NYAGAN	21075.900	23	05			45.0	E75C	SRB	AT	51H0	F1B	019	E	00	43	N	30	257			
RUS	NYAGAN	21076.000	23	05			25.0	OP4K	BEL	AT	51H0	F1B	005	E	00	51	N	30	280			
RUS	NYAGAN	21076.000	23	05			18.0	VR2VGM	CHN	AT	50H0	F1B	115	E	00	22	N	30	116			
RUS	NYAGAN	21076.000	23	05			28.0	DO1AFM	D	AT	52H0	F1B	007	E	00	51	N	30	278			
RUS	NYAGAN	21076.000	23	05			25.0	Z33B	MKD	AT	51H0	F1B	021	E	00	41	N	30	253			
RUS	NYAGAN	21076.000	23	05			35.0	SP9SM	POL	AT	51H0	F1B	019	E	00	50	N	30	267			
RUS	NYAGAN	21076.000	23	05			13.0	S59SV	SVN	AT	51H0	F1B	015	E	00	46	N	30	265			
RUS	NYAGAN	21076.100	23	05			30.0	OE1HLB	AUT	AT	51H0	F1B	017	E	00	48	N	30	266			
RUS	NYAGAN	21076.100	23	05			35.0	DK9CG	D	AT	50H0	F1B	011	E	00	48	N	30	271			
RUS	NYAGAN	21076.100	23	05			18.0	MM0ABM	G	AT	51H0	F1B	005	W	00	55	N	30	286			
RUS	NYAGAN	21076.100	23	05			33.0	I6WJB	I	AT	51H0	F1B	015	E	00	42	N	30	260			
RUS	NYAGAN	21076.100	23	05			15.0	JE3CMN	J	AT	52H0	F1B	135	E	00	34	N	30	89			
RUS	NYAGAN	21076.100	23	05			15.0	JK1JOT	J	AT	51H0	F1B	139	E	00	35	N	30	85			
RUS	NYAGAN	21076.100	23	05			18.0	YU7AS	SRB	AT	51H0	F1B	021	E	00	45	N	30	257			
RUS	NYAGAN	21076.200	23	05			18.0	BD7BS	CHN	AT	52H0	F1B	113	E	00	29	N	30	114			
RUS	NYAGAN	21076.200	23	05			23.0	DK3XX	D	AT	52H0	F1B	009	E	00	53	N	30	280			
RUS	NYAGAN	21076.200	23	05			28.0	G3YQA	G	AT	50H0	F1B	001	W	00	53	N	30	286			

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	21076.200	23	05			18.0	YC5NCB	INS	AT	51H0	F1B	101	E	00	00	N	30	141			
RUS	NYAGAN	21076.200	23	05			30.0	S51TA	SVN	AT	51H0	F1B	015	E	00	45	N	30	264			
RUS	NYAGAN	21076.300	23	05			10.0	BG6TWT	CHN	AT	50H0	F1B	115	E	00	30	N	30	111			
RUS	NYAGAN	21076.300	23	05			28.0	SV1EAG	GRC	AT	51H0	F1B	023	E	00	38	N	30	247			
RUS	NYAGAN	21076.300	23	05			20.0	YC4AOK	INS	AT	52H0	F1B	103	E	00	02	S	30	138			
RUS	NYAGAN	21076.300	23	05			25.0	JE2IDB	J	AT	51H0	F1B	137	E	00	34	N	30	87			
RUS	NYAGAN	21076.300	23	05			30.0	E70AW	SRB	AT	50H0	F1B	019	E	00	43	N	30	257			
RUS	NYAGAN	21076.400	23	05			18.0	EA7KC	E	AT	52H0	F1B	007	W	00	36	N	30	262			
RUS	NYAGAN	21076.400	23	05			10.0	F4IRI	F	AT	51H0	F1B	001	E	00	45	N	30	276			
RUS	NYAGAN	21076.400	23	05			50.0	G4OWT	G	AT	51H0	F1B	001	W	00	50	N	30	282			
RUS	NYAGAN	21076.400	23	05			25.0	G8BCG	G	AT	50H0	F1B	005	W	00	50	N	30	279			
RUS	NYAGAN	21076.500	23	05			13.0	ZS6ZA	AFS	AT	51H0	F1B	029	E	00	27	S	30	232			
RUS	NYAGAN	21076.500	23	05			33.0	GB5SOS	G	AT	52H0	F1B	001	W	00	53	N	30	286			
RUS	NYAGAN	21076.500	23	05			23.0	PA1RC	HOL	AT	52H0	F1B	005	E	00	52	N	30	281			
RUS	NYAGAN	21076.500	23	05			25.0	JA0PMZ	J	AT	52H0	F1B	139	E	00	38	N	30	83			
RUS	NYAGAN	21076.600	23	05			28.0	EA5GY	E	AT	52H0	F1B	001	W	00	38	N	30	269			
RUS	NYAGAN	21076.600	23	05			30.0	SY2APF	GRC	AT	52H0	F1B	023	E	00	40	N	30	249			
RUS	NYAGAN	21076.600	23	05			38.0	9A1ADE	HRV	AT	52H0	F1B	015	E	00	45	N	30	264			
RUS	NYAGAN	21076.600	23	05			10.0	SM0CXS	S	AT	51H0	F1B	019	E	00	59	N	30	284			
RUS	NYAGAN	21076.700	23	05			45.0	OK1VM	CZE	AT	50H0	F1B	015	E	00	50	N	30	270			
RUS	NYAGAN	21076.700	23	05			30.0	OK8LEO	CZE	AT	52H0	F1B	015	E	00	49	N	30	269			
RUS	NYAGAN	21076.700	23	05			28.0	F8RZ	F	AT	51H0	F1B	001	W	00	45	N	30	276			
RUS	NYAGAN	21076.700	23	05			20.0	G4TMI	G	AT	50H0	F1B	001	W	00	54	N	30	287			
RUS	NYAGAN	21076.700	23	05			28.0	IU2KBG	I	AT	52H0	F1B	009	E	00	45	N	30	269			
RUS	NYAGAN	21076.700	23	05			15.0	JA0HZR	J	AT	50H0	F1B	139	E	00	37	N	30	83			
RUS	NYAGAN	21076.800	23	05			33.0	DB5PJ	D	AT	50H0	F1B	009	E	00	49	N	30	274			
RUS	NYAGAN	21076.800	23	05			45.0	JA1PIN	J	AT	52H0	F1B	139	E	00	36	N	30	84			
RUS	NYAGAN	21076.900	23	05			20.0	JA4DWG	J	AT	52H0	F1B	133	E	00	34	N	30	91			
RUS	NYAGAN	21076.900	23	05			20.0	JH7KAG	J	AT	51H0	F1B	141	E	00	38	N	30	81			
RUS	YAKUTSK	21240.000	23	05	0000	2400	69.0		J		2K82	J3E	139	E	32	36	N	23	162	A		
J	TOKYO	21241.000	09	06	0421				CHN				114	E	07	34	N	56	276	B		
INS	MSKH-KUPANG	21270.000	11	05	0530	0540	10.1	AMATEUR JAPAN	J	AT	2K40E	J3E										JAPANESE LANGUAGE
INS	MSCK-TANGERANG	21290.400	11	05	0100	0130		Unknown		FX	3K00E	J3E										
INS	MSCK-TANGERANG	21365.350	11	05	0430	0500		Unknown		FX	3K00E	J3E										
INS	MSKH-KUPANG	21437.000	11	05	0410	0420	1.0	AMATEUR JAPAN	J	AT	2K40E	J3E										JAPANESE LANGUAGE
INS	MSCK-TANGERANG	21470.000	12	05	0000	0030		BBC	UAE	BC	9K00	A3E										
RUS	BELGOROD	21480.000	25	05	0623	0626	1.5		CHN		7K60		100	E	50	36	N	39			11	
INS	MSCK-TANGERANG	21500.000	12	05	0130	0200		R.SAUDI	ARS	BC	9K00	A3E										
RUS	BELGOROD	21500.000	25	05	0618	0623	2.1		CHN		7K60		080	E	06	32	N	30			11	

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	21501.000	08	06	0235	0345	23.5				10K0E	F0N										OTHR
INS	MSKH-KUPANG	21505.000	12	05	0400	0405	47.8	R. FREE ASIA	USA	BC	9K00E	A3E										SITE TINIAN ISLAND
RUS	YAKUTSK	21505.000	25	05	0030	0100	86.0		CHN	BC	1K27	A3E	121	E	04	23	N	45	193	A		
HNG	TARNOK	21505.003	08	06	0400	0500	20.7	RFA	USA	BC	19K5	A3E										
KOR	CRMS	21520.000	17	05	0051	0051	22.2		USA	BC		A3E									6	
HNG	TARNOK	21525.001	08	06	2000	2100	27.3	WRMI	USA	BC	10K9	A3E										
HNG	TARNOK	21529.999	08	06	0330	1000	18.3	SQH XI WANG	CHN	BC	9K60	A3E										
KOR	CRMS	21530.000	18	04	0612	0612	46.2		CHN	BC		A3E									6	
KOR	CRMS	21530.000	22	04	0144	0144	5.8		CHN	BC		A3E									6	
INS	MSKH-KUPANG	21530.000	12	05	0405	0410	22.2	R. FREE ASIA	USA	BC	9K00E	A3E										SITE TINIAN ISLAND
RUS	SMOLENSK	21530.000	20	05	0530	0630	34.2		CHN	BC	2K99	A3E	075	E	32	38	N	43	100	B		
KOR	CRMS	21530.000	23	05	0505	0505	19.5		CHN	BC		A3E									6	
KOR	CRMS	21530.000	24	05	0122	0122	11.4		CHN	BC		A3E									6	
RUS	IRKUTSK	21530.000	25	05	0130	0200	3.0		CHN	BC		A3E	121	E	21	48	N	27	105	A		
RUS	NOVOSIBIRSK	21530.000	25	05	0130	0200	10.0		CHN	BC	14K8	A3E	121	E	21	48	N	27	89	A		
RUS	NOVOSIBIRSK	21530.000	25	05	0459	0530	26.0		CHN	BC	14K0	A3E	076	E	01	39	N	22	200	A		
RUS	IRKUTSK	21530.000	25	05	0500	0530	11.0		CHN	BC		A3E	076	E	01	39	N	22	248	A		
RUS	BELGOROD	21530.000	25	05	0616	0618	15.0		CHN		8K30		075	E	55	39	N	28			11	
RUS	YAKUTSK	21530.000	25	05	1130	1200	82.0		CHN	BC	1K57	A3E	120	E	56	23	N	51	193	A		
RUS	BELGOROD	21530.000	25	05	1216	1219	22.8		CHN	BC	8K10	A3E	122	E	23	48	N	10				
KOR	CRMS	21530.000	21	06	0156	0156	26.7		CHN	BC		A3E									6	
KOR	CRMS	21530.000	27	06	0744	0744	16.0		CHN	BC		A3E									6	
RUS	NYAGAN	21540.000	25	05			48.0		CHN		1K25	A3E	109	E	15	18	N	52	125	A		
RUS	YAKUTSK	21540.000	25	05	0410	0430	85.0		CHN	BC	1K90	A3E	112	E	00	31	N	52	209	A		
RUS	VERHNEYE DUBROVO	21540.000	25	05	1036	1040	48.0		CHN		1K25	A3E	109	E	15	18	N	52	117	A		
RUS	S. PETERSBURG	21540.000	25	05	1050	1055	40.0		CHN	BC	15K7	A3E							90	B		
HNG	TARNOK	21540.005	08	06	0958	1100	31.7	RFA	USA	BC	11K4	A3E										
RUS	MOROZOVSK	21565.000	25	05	1030	1045	39.0		CHN	BC	9K00	A3E	109	E	42	19	N	08	93	B		
RUS	SAMARA	21580.000	25	05	0700	0759	25.0		F	BC	10K0	A3E	001	E	53	46	N	57				
RUS	SMOLENSK	21580.000	27	05	0530	0600	25.0	VOICE OF AMERICA	PHL	BC	2K99	A3E	120	E	45	14	N	27	84	B		
INS	MSCK-TANGERANG	21595.000	12	05	0600	0630		R.FREE ASIA	USA	BC	9K00	A3E										
INS	MSCK-TANGERANG	21600.000	12	05	0600	0630		VOICE OF AMERICA	PHL	BC	9K00	A3E										
INS	MSKH-KUPANG	21620.000	12	05	0330	0335	29.1	VOICE OF AMERICA	PHL	BC	9K00E	A3E										SITE TINANG
RUS	NOVOSIBIRSK	21630.000	25	05	0300	0330	18.0		CHN	BC	10K6	A3E	128	E	36	47	N	26	86	A		
RUS	IRKUTSK	21630.000	25	05	0300	0330	2.0		CHN	BC	10K0	A3E	128	E	36	47	N	26	98	A		
RUS	SAMARA	21640.000	25	05	0502	0515	22.0		PHL	BC	10K0	A3E	120	E	37	15	N	22				
KOR	CRMS	21640.000	15	06	0542	0542	59.2		CHN	BC		A3E									6	
KOR	CRMS	21650.000	21	04	0540	0540	54.8		CHN	BC		A3E									6	
INS	MSKH-KUPANG	21650.000	12	05	0500	0510	36.8	VOICE OF AMERICA	PHL	BC	9K00E	A3E										SITE TINANG

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	21670.000	02	05	0143				CHN				111	E	34	40	N	03	290	B		
RUS	SMOLENSK	21670.000	26	05	1100	1130	25.0		ARS	BC	2K99	A3E	046	E	36	24	N	38	155	B		
RUS	ARKHANGELSK	21670.000	26	05	1130	1140	31.0	Radio Saudi int.	ARS	BC	2K41	A3E							171	B		
HNG	TARNOK	21670.025	10	06	0858	1157	35.8	R.SAUDI INT.	ARS	BC	10K0E	A3E									3	
KOR	CRMS	21690.000	27	04	0711	0711	4.8		CHN	BC		A3E									6	
INS	MSKH-KUPANG	21690.000	12	05	0510	0515	50.0	R. FREE ASIA	USA	BC	9K00E	A3E										SITE TINIAN ISLAND
KOR	CRMS	21690.000	23	05	0506	0506	29.9		CHN	BC		A3E									6	
RUS	SAMARA	21690.000	25	05	0520	0530	22.0		USA	BC	10K0	A3E	145	E	36	15	N	02				
RUS	NYAGAN	21690.000	26	05			54.0		CHN		6K72	A3E	116	E	40	39	N	18	102	A		
RUS	BELGOROD	21690.000	26	05	0559	0608	37.1		CHN	BC	10K6	A3E	116	E	27	39	N	55				
RUS	ARKHANGELSK	21690.000	26	05	1140	1150	30.0	Radio France int.	F	BC	2K55	A3E							248	B		
RUS	VERHNEYE DUBROVO	21690.000	26	05	1143	1150	54.0		CHN		6K72	A3E	116	E	40	39	N	18	92	A		
RUS	SLAVYANKA	21690.000	26	05	2100	2130	39.0		CHN	BC	1K49	A3E	115	E	37	39	N	11	258	A		
HNG	TARNOK	21690.000	10	06	1158	1259	43.0	RFI	F	BC	10K0E	A3E										
KOR	CRMS	21690.000	20	06	0625	0625	24.5	AGM	USA	BC		A3E									3	
KOR	CRMS	21690.000	22	06	0602	0602	26.6		CHN	BC		A3E									6	
HNG	TARNOK	21690.002	10	06	1800	1859	53.4	RFI	F	BC	10K0E	A3E										
HNG	TARNOK	21690.005	10	06	0500	0700	30.7	R.FREE ASIA	USA	BC	19K0E	A3E										
RUS	MOROZOVSK	21695.000	26	05	1030	1045	39.0		CHN	BC	9K00	A3E	108	E	30	28	N	07	86	C		
HNG	TARNOK	21695.002	10	06	0858	1100	39.5	VOA	PHL	BC	19K0E	A3E										
HNG	TARNOK	21730.000	10	06	0830	0917	29.8				20K0E	F0N										OTHR
J	TOKYO	21764.000	13	04	0805				RUS			F1B	083	E	56	54	N	54	315	B		
J	TOKYO	21764.000	17	05	1005				KAZ			F1B	067	E	45	41	N	38	300	B		
RUS	SMOLENSK	21764.000	20	05	0830	0930	25.0		KGZ	FX	398H	F1B	074	E	10	42	N	50	96	B	11	
J	TOKYO	21764.000	02	06	0605							F1B										
INS	MSCK-TANGERANG	21795.000	13	05	0600	0630		VOICE OF AMERICA	PHL	BC	9K00	A3E										
INS	MSCK-TANGERANG	21800.000	13	05	0600	0630		SOH XI Wang Zhi Sheng	CHN	BC	9K00	A3E										
J	TOKYO	21928.000	13	04	0820			GUAM		FA		J2D										
J	TOKYO	21928.000	27	04	0419			GUAM		FA		J2D	144	E	38	13	N	23	169	B		
J	TOKYO	21928.000	02	05	0147			GUAM		FA		J2D										
J	TOKYO	21928.000	17	05	1011			GUAM		FA		J2D										
J	TOKYO	21928.000	26	05	0751			GUAM		FA		J2D										
J	TOKYO	21928.000	02	06	0608			GUAM		FA		J2D										
INS	MSKH-KUPANG	21928.000	14	06	0453	0456	1.1	HIGH FREQUENCY DATA LINK (HFDL)	USA	FA	2K40E	G7W										SITE AGANA - GUAM
J	TOKYO	21928.000	21	06	0138			GUAM		FA		J2D										
INS	MSKH-KUPANG	21928.000	29	06	0346	0348	3.0	GROUND STATION		FA	2K40E	G7W										
J	TOKYO	21931.000	19	04	0607			MUAN		FA		J2D	126	E	51	35	N	03	271	B		
J	TOKYO	21931.000	27	04	0420			MUAN		FA		J2D	126	E	26	34	N	58	271	B		
J	TOKYO	21931.000	02	05	0144			MUAN		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	21931.000	17	05	1012			MUAN		FA		J2D										
J	TOKYO	21931.000	26	05	0752			MUAN		FA		J2D										
J	TOKYO	21931.000	02	06	0609			MUAN		FA		J2D										
J	TOKYO	21937.000	19	04	0608			MOLOKAI		FA		J2D										
J	TOKYO	21937.000	27	04	0423			MOLOKAI		FA		J2D	155	W	49	19	N	18	88	B		
J	TOKYO	21937.000	02	05	0146			MOLOKAI		FA		J2D										
J	TOKYO	21937.000	17	05	1019			MOLOKAI		FA		J2D										
J	TOKYO	21937.000	26	05	0755			MOLOKAI		FA		J2D										
J	TOKYO	21937.000	02	06	0611			MOLOKAI		FA		J2D										
J	TOKYO	21937.000	09	06	0437			MOLOKAI		FA		J2D										
INS	MSKH-KUPANG	21937.000	14	06	0438	0453	1.1	HIGH FREQUENCY DATA LINK (HFDL)	USA	FA	2K40E	G7W										SITE MOLOKAI - HAWAII
J	TOKYO	21937.000	27	06	2351			MOLOKAI		FA		J2D										
J	TOKYO	21949.000	19	04	0608			HAT YAI		FA		J2D	100	E	12	07	N	46	242	B		
J	TOKYO	21949.000	27	04	0425			HAT YAI		FA		J2D	100	E	41	07	N	01	241	B		
J	TOKYO	21949.000	02	05	0151			HAT YAI		FA		J2D										
J	TOKYO	21949.000	02	06	0612			HAT YAI		FA		J2D										
INS	MSKH-KUPANG	21949.000	14	06	0425	0430	5.0	HIGH FREQUENCY DATA LINK (HFDL)	THA	FA	2K40E	G7W										SITE HAT YAI
INS	MSKH-KUPANG	21949.000	29	06	0349	0352	3.0	GROUND STATION		FA	2K40E	G7W										
J	TOKYO	21997.000	02	05	0236			SANTA CRUZ		FA		J2D										
INS	MSCK-TANGERANG	22084.250	17	05	0030	0100		Unknown		FX	3K00E	J3E										
HNG	TARNOK	22122.500	14	06	1600	1930	24.5				10K0	F0N										OTHR
INS	MSCK-TANGERANG	22272.500	18	05	0000	0030		Unknown		FX	3K00E	J3E										
RUS	SMOLENSK	22387.500	26	05	1330	1430	6.0		GRC	FC	300H	F1B	025	E	12	40	N	52	201	B		
HNG	TARNOK	22387.500	16	06	0630	1330	17.6				400H	F1B										
HNG	TARNOK	22413.000	16	06	0808	1400	4.0				450H	F1B										200Hz 125BD
HNG	TARNOK	22448.850	16	06	0600	1340	16.0				3K00E	G1D										STANAG 4285
J	TOKYO	22449.000	09	06	0447														175	C		
J	TOKYO	22462.750	09	06	0448														154	C		
J	TOKYO	22471.000	06	04	1032							F1B										
J	TOKYO	22471.000	02	05	0158				G			F1B	071	E	53	07	S	17	251	B		DGA
RUS	SMOLENSK	22471.000	01	06	1200	1215	16.0		G	FX	1K70	F1B	071	E	49	04	S	21	137	B		
HNG	TARNOK	22471.000	16	06	0500	1430	11.2				900H	F1B										CIS 36-50
HNG	TARNOK	22500.000	16	06	0958	1006	17.4				2K70E	J3E										USB
HNG	TARNOK	22503.000	16	06	0700	0710	15.8				2K70E	J3E										USB
HNG	TARNOK	22529.000	16	06	1210	1330	9.7				20K0E	F0N										OTHR
J	TOKYO	22569.810	26	05	0800														174	C		
HNG	TARNOK	22580.000	16	06	0752	0806	14.4				20K0E	F0N										OTHR
HNG	TARNOK	22611.508	16	06	0511	1000	18.4	HLF		FC	100H	A1A										CW

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	22611.510	27	04	0437			HLF		FC		A1A	126	E	17	36	N	50	280	B		
J	TOKYO	22611.510	09	05	2351			HLF		FC		A1A	126	E	46	37	N	26	283	B		
J	TOKYO	22611.510	09	06	0453			HLF		FC		A1A										
J	TOKYO	22611.510	21	06	0155			HLG		FC		A1A										
J	TOKYO	22611.520	19	04	0618			HLF		FC		A1A										
J	TOKYO	22611.520	02	05	0211			HLF		FC		A1A										
J	TOKYO	22611.520	26	05	0802			HLF		FC		A1A										
J	TOKYO	22611.520	02	06	0617			HLF		FC		A1A										
J	TOKYO	22611.520	28	06	0007			HLF		FC		A1A										
J	TOKYO	22621.800	27	04	0440				AUS			J2B	128	E	51	17	S	07	193	A		
INS	MSCK-TANGERANG	22745.300	20	05	0330	0400		Unknown		FX	3K00E	H3E										
J	TOKYO	22910.000	06	04	1043							F1B							249	D		
J	TOKYO	22910.000	19	04	0622							F1B							251	C		
J	TOKYO	22910.000	27	04	0444				G			F1B	072	E	26	07	S	25	250	B		DGA
J	TOKYO	22910.000	02	05	0213				G			F1B	072	E	24	07	S	44	250	B		DGA
J	TOKYO	22910.000	02	06	0620							F1B										
RUS	SMOLENSK	22910.000	03	06	1220	1230	23.0		G	FX	1K70	F1B	071	E	47	04	S	30	139	B		
I	ROMA	22910.000	09	06	1324	1325	4.0		G	FX	900HE	F1B							116	A		50 BD
RUS	MOROZOVSK	22945.000	03	06	0645	0730	12.0		IRN	FX	1K00	F1B	060	E	49	27	N	47	138	C		
RUS	MOROZOVSK	22946.000	03	06	1115	1130	11.0		CHN	FX	1K00	F1B	119	E	31	34	N	10	72	C		
J	TOKYO	23043.000	21	06	0205							F1B										
J	TOKYO	23043.000	28	06	0011				RUS			F1B	132	E	46	42	N	54	323	B		
INS	MSCK-TANGERANG	23224.530	24	05	0600	0630		Unknown		FX	3K00E	J3E										
J	TOKYO	23452.000	17	05	1039				KAZ			F1B	068	E	17	41	N	51	300	B		
RUS	BELGOROD	23465.000	08	06	0545	0605	17.5		CYP	LR	25K0		033	E	13	34	N	43				
INS	MSCK-TANGERANG	23701.250	27	05	0130	0200		Unknown		FX	3K00E	H3E										
HNG	TARNOK	24850.000	26	06	0939	1029	33.6				20K0	F0N										OTHR
INS	MSCK-TANGERANG	24925.250	06	06	0230	0300		Unknown		FX	3K00E	J3E										
RUS	BELGOROD	24930.000	20	06	0726	0727	15.4	4X6TU	ISR	AT	100H	A1A	034	E	49	31	N	19				
RUS	MOROZOVSK	25174.500	21	06	0800	0815	13.0		CHN	FX	4K00	F7B	113	E	53	22	N	34	89	C		
INS	MSCK-TANGERANG	25423.150	08	06	0600	0630		Unknown		FX	3K00E	J3E										
RUS	MOROZOVSK	26200.000	28	06	0610	0625	23.0		IRN	FX	1K00	F1B	050	E	24	34	N	24	151	C		
INS	MSCK-TANGERANG	26587.450	16	06	0530	0600		Unknown		FX	3K00E	J3E										
INS	MSCK-TANGERANG	26796.400	17	06	0600	0630		Unknown		FX	3K00E	J3E										
I	ROMA	26799.000	10	06	0938	0942	10.0	RADAR	IRN	FX	50K0E	P0N							88	A		
INS	MSCK-TANGERANG	27122.350	21	06	0230	0300		Unknown		FX	3K00E	J3E										
INS	MSCK-TANGERANG	27817.150	24	06	0600	0630		Unknown		FX	3K00E	J3E										
J	TOKYO	27872.000	02	05	0239				USA			F1B	144	E	49	13	N	27	168	B		GUM