



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



July 2015

Peter Young VK3MV

Reports for July were received from the ARSI, JARL, NZART, and the WIA.

This month there were 558 observations of intruders made across the Region as compared to last month's number of 753.

OHR systems continue to be the most prominent intruders, on 10, 15 and 20 meters. These numerous intrusions are ongoing despite repeated reports to regulatory authorities.

There are the usual intrusions RUS cw beacons stations on 40 meters.

There is the continual illegal use of 10 meters for local short-range communications in a number of Asian countries. More detail is provided in the attached data report.

Thank you to all the regional observers for their reports, these reports are needed, and really appreciated. Keep them coming. Monitoring reports can also be sent directly to me, if you don't have a national monitoring coordinator.

For those who would like a CSV file of data please email me at: vk3mv@wia.org.au

Peter – VK3MV

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3503.0	5	2015	7	1	1835		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3505.0	1	2015	7	7	2135		F1B						ALE	QG62an	WIA	VK4TJ
3531.0	5	2015	7	1	1835		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3534.8	3	2015	7	14	1010		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3550.0	5	2015	7	29	1930		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3553.0	5	2015	7	1	1840		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3560.0	5	2015	7	14	1000		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3574.0	3	2015	7	1	1915		J1C						FAX	QG62an	WIA	VK4TJ
3574.0	3	2015	7	1	1850		J3E/U						ASIAN, SOUNDS JAPANESE	QG62an	WIA	VK4TJ
3575.0	5	2015	7	7	1000		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3585.0	3	2015	7	1	1850		J1C				JPN		FAX	QG62an	WIA	VK4TJ
3590.0		2015	7	1	1840		A1A					V	DATA CHANNEL MARKER	QG62an	WIA	VK4TJ
3595.0	2	2015	7	1	1915		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3595.0	1	2015	7	1	1840		F1B						ALE	QG62an	WIA	VK4TJ
3596.0	1	2015	7	1	1915		F1B						ALE	QG62an	WIA	VK4TJ
3597.0	3	2015	7	1	1855		J1C						FAX	QG62an	WIA	VK4TJ
3607.0	1	2015	7	1	1840		F1B						ALE	QG62an	WIA	VK4TJ
3623.0	3	2015	7	1	1845		J1C				JPN		FAX	QG62an	WIA	VK4TJ
3633.0	3	2015	7	5	1950		F1B					E	PACTOR SYNC SIGNAL	QG62an	WIA	VK4TJ
3642.0		2015	7	1	1845		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3650.0	150	2015	7	1	1845		P0N						OTHR,	QG62an	WIA	VK4TJ
3650.0	2	2015	7	1	1845		G7DF						CONTINUOUS MANPACK RADIO	QG62an	WIA	VK4TJ
3655.0	2	2015	7	5	330		G7DF						MANPACK RADIO	QG53lf	WIA	VK4TJ
3660.0	2	2015	7	9	0955		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3661.5		2015	7	5	1955		A1A						MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
3690.0	2	2015	7	6	2140		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3694.5		2015	7	5	1955		A1A						MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH	QG62an	WIA	VK4TJ

CHARACTERS

3777.0		2015	7	1	1845	A1A			RIS9	CALLING M8JF	QG62an	WIA	VK4TJ
3780.0	2	2015	7	1	1910	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
3781.0	5	2015	7	1	1845	G7D				DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3785.0	2	2015	7	1	1910	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
3789.0		2015	7	1	1850	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
3791.0		2015	7	1	1910	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
6990.0	150	2015	7	1	1855	P0N				OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7000.0	5	2015	7	7	2145	G7D				4 SUBCARRIERS ON 200 HZ INTERVALS	QG62an	WIA	VK4TJ
7000.0	3	2015	7	1	0740	J3E/U			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7000.0	5	2015	7	1	2130	G7D				DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7005.0	3	2015	7	1	0915	J3E/L			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005.0	3	2015	7	1	0740	J3E/U			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7009.0	3	2015	7	24	0830	J3E/U			INS	VILLAGE RADIO	QG62an	WIA	VK4TJ
7010.0	3	2015	7	1	0805	J3E/L			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010.0	3	2015	7	1	0815	J3E/U			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015.0	3	2015	7	1	0930	J3E/L			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015.0	3	2015	7	7	0825	J3E/U			INS	DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7018.4		2015	7	26	2140	N0N				OFTEN RTTY	QG62an	WIA	VK4TJ
7018.5	0.3	2015	7	7	2010-2040	F1A	200H	???		2024Z: SGBC DE 4BWM K QRJ 3 K	PF95gc	WIA	VK5EEE
7018.5	0.3	2015	7	8	2000-2030	F1A	200H	???		CW carrier standby	PF95gc	WIA	VK5EEE
7018.5	0.3	2015	7	9	2040-2120	F1A	200H	???		CW carrier standby	PF95gc	WIA	VK5EEE
7018.5	0.3	2015	7	15	2030-2045	F1A	200H	???		CW carrier standby	PF95gc	WIA	VK5EEE
7020.0	2	2015	7	7	1025	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
7020.0	3	2015	7	29	1940	J3E/L				ASIAN MUSIC (NOT BAHASA)	QG62an	WIA	VK4TJ

7020.0	3	2015	7	1	0925	J3E/L		INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7020.0	3	2015	7	1	0825	J3E/U		INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7020.0	3	2015	7	7	2010-2040	J3E/U		INS		MULTIPLE STATIONS IN BAHASA	PF95gc	WIA	VK5EEE
7022.0	3	2015	7	25	2145	J3E/U				SPANISH SPEAKERS	QG62an	WIA	VK4TJ
7024.0	3	2015	7	13	0855	J3E/U		INS		VILLAGE RADIO	QG62an	WIA	VK4TJ
7025.0	2	2015	7	1	0740	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
7025.0	3	2015	7	1	0830	J3E/L		INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025.0	3	2015	7	14	0930	J3E/U		INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7027.5		2015	7	1	1855	A1A		RUS	V	DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ
7027.5	0.1	2015	7	8	2030	A1A		RUS	V	New faster V than last month	PF95gc	WIA	VK5EEE
7027.5	0.5	2015	7	25	<2200-2215>	A1A		UNID		Single Letter Becon "V"	MK82	ARSI	
7027.5	0.5	2015	7	30	<1620-1630>	A1A		UNID		Single Letter Becon with Faulty sending "V"	MK82	ARSI	
7030.0	2	2015	7	23	0655	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
7030.0	20	2015	7	14	0930	P0N				2 BURSTS ONLY	QG62an	WIA	VK4TJ
7030.0	1	2015	7	13	0845	F1B				ALE, BURSTS	QG62an	WIA	VK4TJ
7030.0	40	2015	7	1	1855	VXX				CODAR	QG62an	WIA	VK4TJ
7030.0	3	2015	7	1	0840	J3E/L		INS		DAILY, VILLAGE RADIO, SINGING	QG62an	WIA	VK4TJ
7030.0	3	2015	7	2	0905	J3E/U		INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7035.0	2	2015	7	2	2140	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
7035.0	3	2015	7	2	0905	J3E/L		INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7035.0	3	2015	7	7	0945	J3E/U		INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7039	0.5	2015	07	01	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	01	1054	A1A	37	RUS	K--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	01	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	01	1620	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	01	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	02	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	02	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	02	1620	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	02	1840	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	03	1208	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	03	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	03	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	07	04	1040	A1A	15	RUS	M--signal	Beacon	PM97	JARL	

7039	0.5	2015	07	04	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	04	1620	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	04	1624	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	04	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	05	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	05	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	05	1630	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	05	1840	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	06	1052	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	06	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	06	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	06	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	07	1040	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	07	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	07	1616	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	07	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	08	1040	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	08	1046	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	08	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	08	1620	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	08	1840	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	09	1040	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	09	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	09	1620	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	09	1832	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	10	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	10	1218	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	10	1618	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	10	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	11	1550	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	11	1554	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	12	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	12	1204	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	12	1650	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	13	1048	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	13	1054	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	13	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	13	1650	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	14	1240	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	14	1710	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	15	1430	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	16	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	16	1234	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	16	1910	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	17	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL

7039	0.5	2015	07	17	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	17	1236	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	17	1656	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	18	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	18	1640	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	19	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	19	1810	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	20	1240	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	20	1246	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	20	1710	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	21	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	21	1220	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	21	1720	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	22	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	22	1652	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	23	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	23	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	23	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	24	1050	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	24	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	24	1642	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	25	1054	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	25	1230	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	25	1640	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	25	1850	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	26	1054	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	26	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	27	1040	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	28	1040	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	28	1220	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	28	1610	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	28	1616	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	28	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	29	1040	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	29	1210	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	29	1620	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	29	1624	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	29	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	29	1834	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	30	1410	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	30	1630	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	30	1808	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	30	1812	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	07	31	1040	A1A	37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2015	07	31	1216	A1A	37	RUS	K--signal	Beacon	PM97	JARL

7039	0.5	2015	07	31	1620	A1A	37	RUS	K--signal	Beacon	PM97	JARL		
7039	0.5	2015	07	31	1624	A1A	15	RUS	M--signal	Beacon	PM97	JARL		
7039	0.5	2015	07	31	1832	A1A	37	RUS	K--signal	Beacon	PM97	JARL		
7039	0.5	2015	07	31	1836	A1A	15	RUS	M--signal	Beacon	PM97	JARL		
7039.2		2015	07	10	<1059>	1059 A1A		RUS	K	Petropavlovsk - Beacon K RCC	AH36TN	NZART	5W0JM	
7039.3		2015	7	1	0840	A1A		RUS	K	DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ	
7039.4		2015	7	1	1855	A1A		RUS	M	DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ	
7040.0	2	2015	7	18	0755	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ	
7040	0.5	2015	07	01	10:46	A1A				train of " K ", " M "	PM84UQ	JARL		
7040	0.5	2015	07	02	12:27	A1A				train of " M "	PM84UQ	JARL		
7040	0.5	2015	07	06	10:53	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	09	11:13	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	10	13:54	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	12	13:14	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	14	14:41	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	17	12:48	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	20	12:58	A1A				train of " M ", " K "	PM84UQ	JARL		
7040	0.5	2015	07	23	14:15	A1A				train of " M "	PM84UQ	JARL		
7040	0.5	2015	07	24	14:12	A1A				train of " M "	PM84UQ	JARL		
7040	0.5	2015	07	26	12:29	A1A				train of " M "	PM84UQ	JARL		
7040	0.5	2015	07	27	11:49	A1A				train of " M "	PM84UQ	JARL		
7042	36	2015	07	23	1830	P0N		non	non	non	unkown 7024KHz - 7060KHz wide pulse mode P0N OTHR ?	PM97	JARL	
7042	36	2015	07	26	1830	P0N		non	non	non	unkown 7024KHz - 7060KHz wide pulse mode P0N OTHR ?	PM97	JARL	
7042	36	2015	07	27	1712	P0N		non	non	non	unkown 7024KHz - 7060KHz wide pulse mode P0N OTHR ?	PM97	JARL	
7051.0	1	2015	7	1	2135	F1B	200				DAILY, CONTINUOUS IDLING	QG62an	WIA	VK4TJ
7055.0	3	2015	7	13	2120	J3E/L					RUSSIAN MARTIAL MUSIC	QG62an	WIA	VK4TJ
7055.0	2	2015	7	7	0830	G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
7059	36	2015	07	01	1810	P0N		non	non	non	unkown 7041KHz—7077KHz wide pulse mode P0N OTHR ?	PM97	JARL	
7065	3	2015	07	08	1836	JM		non	non	non	unkown white noice	PM97	JARL	
7085.0	3	2015	7	7	0905	J3E/U					ASIAN, SOUNDS BAHASA	QG62an	WIA	VK4TJ

7085.0	2	2015	7	28	0740	G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7088.0		2015	7	1	1900	A1A			E			DATA CHANNEL	QG62an	WIA	VK4TJ
7090.0	3	2015	7	28	0805	J3E/U						MARKER			
7095.0	3	2015	7	13	2120	J3E/U						SOUNDS ARABIC	QG62an	WIA	VK4TJ
7100.0	3	2015	7	1	0850	J3E/L			INS			ASIAN, SOUNDS	QG62an	WIA	VK4TJ
												TAGALOG			
7100.0	3	2015	7	23	0755	J3E/U						DAILY, VILLAGE	QG62an	WIA	VK4TJ
7100.7	3	2015	7	7	0905	J3E/U						RADIO			
												ASIAN	QG62an	WIA	VK4TJ
7103.0	1	2015	7	1	1905	F1B						ASIAN, SOUNDS	QG62an	WIA	VK4TJ
7105.0	1	2015	7	5	2000	F1B						TAGALOG			
7108.0	5	2015	7	2	0900	G7D						ALE	QG62an	WIA	VK4TJ
												CONTINUOUS	QG62an	WIA	VK4TJ
												DOZENS OF	QG62an	WIA	VK4TJ
												CLOSE-SPACED			
7110.0	3	2015	7	26	2145	J3E/U						SUBCARRIERS			
7111.0	1	2015	7	1	2140	F1B						SOUNDS BAHASA	QG62an	WIA	VK4TJ
7114.0	1	2015	7	14	0910	F1B	200					CONTINUOUS	QG62an	WIA	VK4TJ
7118.0	5	2015	7	19	0920	G7D						BURSTS	QG62an	WIA	VK4TJ
7120.0	3	2015	7	7	0910	J3E/U						BURSTS	QG62an	WIA	VK4TJ
												ASIAN, SOUNDS	QG62an	WIA	VK4TJ
												BAHASA			
7120.0	8	2015	7	1	1835	A3E			SOM			RADIO HARGEISA	QG62an	WIA	VK4TJ
7122.0		2015	7	18	2140	A1A			RUS	V		DAILY, HARBOUR	QG62an	WIA	VK4TJ
												BEACON			
7134.0	1	2015	7	13	2110	F1B						ALE	QG62an	WIA	VK4TJ
7144.0	1	2015	7	7	2150	F1B							QG62an	WIA	VK4TJ
7152.0		2015	7	5	2000	A1A						MIXED	QG62an	WIA	VK4TJ
												NUMBER/LETTER			
												CIPHER, SOME			
												NON-ENGLISH			
												CHARACTERS			
7160.0	40	2015	7	5	2000	VXX						CODAR	QG62an	WIA	VK4TJ
7166.5		2015	07	13	<0745>	0745 J3E/U			?	Unid		Non Amateurs USB	RE54HF	NZART	ZL4IV
												Asian speaking S9			
7167.0	1	2015	7	29	0935	F1B							QG62an	WIA	VK4TJ
7170.0	3	2015	7	5	2000	J3E/U						DAILY, ASIAN,	QG62an	WIA	VK4TJ
												SOUNDS CHINESE			
7170.7	3	2015	7	7	2150	J3E/U						ASIAN, SOUNDS	QG62an	WIA	VK4TJ
												CHINESE			
7171.6	3	2015	7	2	0900	J3E/U			PHL			TAGAOLG FAMILY	QG62an	WIA	VK4TJ
												NET			
7177.0	1	2015	7	29	0940	F1B	150					DRIFTING	QG62an	WIA	VK4TJ
7180.0	3	2015	7	13	0830	J3E/U						ASIAN	QG62an	WIA	VK4TJ
7184.5		2015	7	2	0905	A1A				5FIPQSA1K		QTC	QG62an	WIA	VK4TJ
7196.0	5	2015	7	7	2155	G7D						DOZENS OF	QG62an	WIA	VK4TJ
												CLOSE-SPACED			
												SUBCARRIERS			
7200.0	8	2015	7	6	2310	A3E						DAILY, SW	QG62an	WIA	VK4TJ
												BROADCAST			
7201.0	3	2015	7	7	0915	J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ

7201.4	3	2015	7	14	0925	J3E/L			ASIAN, NO CALLS EVER	QG62an	WIA	VK4TJ
10110.0	2	2015	7	13	2110	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
10120.0	2	2015	7	13	0825	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
10120	40	2015	07	18	<1840>	P0N	1840	? Unid	OTHR 30 metres S9 Wiped whole of 30 metre band	RF80H	NZART	ZL2iFB
10125.0	10	2015	7	30	2255	P0N			OTHR C/W BEEP TONE, TRYING DIFFERENT PULSE RATES	QG62an	WIA	VK4TJ
10125.0	10	2015	7	26	2200	VXX			CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
10130.0	2	2015	7	13	0830	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
10130.0	10	2015	7	31	2245	VXX			VERY FAST CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
13999.0	3	2015	7	2	0750	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14000.0	3	2015	7	2	2335	J3E/U			DAILY, ASIAN	QG62an	WIA	VK4TJ
14000.0	5	2015	7	2	0755	G7D			DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
14000.0	2	2015	7	6	2335	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14001.0	1	2015	7	2	0750	F1B			ALE	QG62an	WIA	VK4TJ
14001	3	2015	7	03	<0205-0215>	J3E/U		UNID	SRI LANKAN TRAWLERS ETC	MK82	ARSI	
14005.0	2	2015	7	28	0445	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14008.0	1	2015	7	11	0740	F1B			DAILY	QG62an	WIA	VK4TJ
14010.0	2	2015	7	6	0655	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14011.4	3	2015	7	13	0745	J3E/L			ASIAN	QG62an	WIA	VK4TJ
14015.0	1	2015	7	13	0815	F1B			ALE, BURSTS	QG62an	WIA	VK4TJ
14015.0	2	2015	7	7	0250	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14015	3	2015	7	24	<0250-0300>	J3E/U		UNID	SRI LANKAN TRAWLERS ETC	MK82	ARSI	
14020.0	2	2015	7	15	0005	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14021.0	3	2015	7	16	0840	J3E/U			ASIAN, SOUNDS CHINESE, READING LIST	QG62an	WIA	VK4TJ
14021.7	3	2015	7	7	2200	J3E/L			ASIAN, SOUNDS TAGALOG	QG62an	WIA	VK4TJ
14022.0	1	2015	7	16	0850	F1B			ALE, BURSTS	QG62an	WIA	VK4TJ
14024.5	3	2015	7	24	<0300-0315>	J3E/U		UNID	SRI LANKAN TRAWLERS ETC	MK82	ARSI	
14025.0	2	2015	7	9	2310	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14030.0	2	2015	7	9	2305	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14032.0	1	2015	7	10	0725	F1B			ALE, BURSTS	QG62an	WIA	VK4TJ
14032.0	5	2015	7	8	0820	G7D			DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
14035.0	2	2015	7	6	0725	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14040.0	2	2015	7	6	0110	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ

14045.0	1	2015	7	18	0750	F1B	300		BURSTS	QG62an	WIA	VK4TJ
14045.0	2	2015	7	6	0010	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14046.0	3	2015	7	19	0910	J3E/U			ASIAN, SOUNDS CHINESE. FAMILY NET	QG62an	WIA	VK4TJ
14046.4	3	2015	7	25	0105	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14048.0	3	2015	7	1	0215	J3E/U		PHL	DAILY, TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14048.5	3	2015	7	24	0740	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14049.0	1	2015	7	8	0815	F1B			ALE, BURSTS	QG62an	WIA	VK4TJ
14049.0	3	2015	7	8	0820	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14050.0	1	2015	7	10	0745	F1B			ALE, BURSTS	QG62an	WIA	VK4TJ
14050.0	3	2015	7	1	0215	J3E/L			ASIAN	QG62an	WIA	VK4TJ
14050.0	2	2015	7	5	2305	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14051.0	3	2015	7	16	0825	G7D			DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14053.2	3	2015	7	24	0410	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14055.0	2	2015	7	3	0015	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14056.0	5	2015	7	10	0725	G7D			DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14056.6	3	2015	7	23	0805	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14057.0	3	2015	7	1	0215	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14060.0	10	2015	7	11	0740	P0N			OTHR, BURSTS	QG62an	WIA	VK4TJ
14060.0	2	2015	7	9	0705	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14061.0	3	2015	7	25	0735	J3E/U			ASIAN, FOLLOWS ALE	QG62an	WIA	VK4TJ
14062.0	1	2015	7	10	0025	F1B			ALE	QG62an	WIA	VK4TJ
14065.0	2	2015	7	9	0700	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14065.0	40	2015	7	8	0805	P0N			OTHR, BURSTS	QG62an	WIA	VK4TJ
14065		2015	07	10	<1044>	1044	A1A	? Unid	Numbers Station Bad Fist	AH36TN	NZART	5W0JMJ
14070.0	2	2015	7	27	2330	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14070.0	3	2015	7	9	0705	J3E/U			SPANISH SPEAKERS	QG62an	WIA	VK4TJ
14075.0	2	2015	7	9	0710	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14080.0	3	2015	7	9	0715	J3E/U			SPANISH SPEAKERS	QG62an	WIA	VK4TJ
14080.0	100	2015	7	5	2310	P0N			OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14080.0	2	2015	7	28	0520	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14084.0	3	2015	7	31	2250	J3E/U			ASIAN, PROBABLY CHINESE	QG62an	WIA	VK4TJ
14085.0	2	2015	7	9	0720	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14089.0	3	2015	7	14	0900	J3E/U			ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14090.0	2	2015	7	29	0250	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ

14095.0	2	2015	7	7	0740	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14095.0	160	2015	7	16	2330>	P0N/V0N	OHR 15PPS	QF22ma	WIA	VK3MV
14095.0	15	2015	7	28	<0300-0400>	P0N/V0N	sweeping up OHR 15PPS sweeping 14090 TO 14105 KhZ	QF22ma	WIA	VK3MV
14100.0	10	2015	7	30	2300	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14100.0	100	2015	7	17	2210	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14100.0	2	2015	7	9	0740	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14102.0	3	2015	7	6	0820	J3E/U	ASIAN, FAMILY NET	QG62an	WIA	VK4TJ
14105.0	2	2015	7	9	0745	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14108.0		2015	7	23	0810	A1A	MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
14110.0	100	2015	7	23	0300	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14110.0	2	2015	7	7	0750	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14114.0	3	2015	7	9	0745	J3E/U	ASIAN	QG62an	WIA	VK4TJ
14115.0	170	2015	7	27	0010	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14115.0	2	2015	7	25	2220	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14120.0	80	2015	7	12	0740	P0N	OTHR, LONG BURSTS	QG62an	WIA	VK4TJ
14120.0	2	2015	7	6	0840	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14125.0	160	2015	7	24	0115	P0N	OTHR, LONG BURSTS	QG62an	WIA	VK4TJ
14125	3	2015	07	07	<1223-1227>	J3E/U	QSO between 2 OM _ langauage like S.E. Asian	NL06lu	ARSI	
14127.0	5	2015	7	7	0535	G7D	4 SUBCARRIERS ON RANDOM INTERVALS	QG62an	WIA	VK4TJ
14128.0	1	2015	7	1	2230	F1B		QG62an	WIA	VK4TJ
14130.0	150	2015	7	2	2100	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14130.0	20	2015	7	10	0640	P0N	OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14135.0	2	2015	7	26	0520	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14135.0	10	2015	7	23	0815	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14145.0	150	2015	7	25	0735	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14145.0	10	2015	7	6	0915	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14150.0	20	2015	7	9	0815	P0N	OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14155.0	2	2015	7	27	0700	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
14161.0	1	2015	7	27	0720	F1B	ALE	QG62an	WIA	VK4TJ

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14165.0	2	2015	7	6	1005	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14171.0	1	2015	7	29	0815	F1B				ALE	QG62an	WIA	VK4TJ
14175.0	3	2015	7	29	0825	J3E/U				ASIAN, AFTER G7D ON 14177	QG62an	WIA	VK4TJ
14176.0	1	2015	7	27	0735	F1B				ALE	QG62an	WIA	VK4TJ
14177.0	5	2015	7	29	0820	G7D				DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
14180.0	2	2015	7	29	0835	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14185.0	2	2015	7	29	0835	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14189.8	3	2015	7	12	0915	J3E/U				ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14190.0	3	2015	7	14	0905	J3E/L				DAILY, ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14192.0	1	2015	7	1	2230	F1B				IDLING	QG62an	WIA	VK4TJ
14195.0	2	2015	7	29	0855	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14195.0	20	2015	7	27	0800	P0N				OTHR	QG62an	WIA	VK4TJ
14200.0	40	2015	7	9	0905	P0N				OTHR	QG62an	WIA	VK4TJ
14205.0	20	2015	7	29	0905	P0N				OTHR	QG62an	WIA	VK4TJ
14205.0	2	2015	7	29	0905	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14208.4	3	2015	7	1	0855	J3E/U				ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14214.0	3	2015	7	10	0645	J3E/U				ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14220.0	2	2015	7	29	0930	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14221.0	1	2015	7	6	2340	F1B	200			DAILY	QG62an	WIA	VK4TJ
14235.0	2	2015	7	29	0955	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14235.0	3	2015	7	26	0700	J3E/U				ASIAN, PRECEDES ALE ON 14238	QG62an	WIA	VK4TJ
14238.0	1	2015	7	1	0855	F1B				ALE	QG62an	WIA	VK4TJ
14240		2015	07	10	<1059>	F1D	1059	?	Unid	RTTY station fast rate	AH36TN	NZART	5W0JM
14255.0	2	2015	7	26	0735	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14260.0	20	2015	7	7	2200	P0N				MEDUIM PULSE RATE	QG62an	WIA	VK4TJ
14266.0	1	2015	7	26	0840	F1B				ALE, BURSTS	QG62an	WIA	VK4TJ
14266.0	3	2015	7	26	0845	J3E/U				ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
14276.0	1	2015	7	30	0705	F1B				ALE, BURSTS	QG62an	WIA	VK4TJ
14280.0	2	2015	7	26	0900	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14285.0	2	2015	7	26	0905	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14292.0		2015	7	10	0715	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
14292.0	5	2015	7	10	0715	G7D				DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
14295.0	8	2015	7	10	0720	A3E			TJK	RADIO TADJIKISTAN 3RD HARMONIC	QG62an	WIA	VK4TJ
14296.0	1	2015	7	10	0720	F1B				ALE, BURSTS	QG62an	WIA	VK4TJ

14300.0	1	2015	7	30	0540	F1B				ALE, BURSTS	QG62an	WIA	VK4TJ
14300		2015	07	25	<2120>	2120 G7D	CHN	Unid		PRC BPSK signal 16 channel with synchronisation S3	RE68XL	NZART	ZL2TZE
14301.5	5	2015	7	1	0735	G7D					QG62an	WIA	VK4TJ
14301.7		2015	07	10	<1041>	1041 G7D	CHN	Unid		PRC BPSK signal 16 channel with synchronisation S6	AH36TN	NZART	5W0JM
14305.0	3	2015	7	19	0920	J3E/U				ASIAN, SOUNDS	QG62an	WIA	VK4TJ
14315.0	5	2015	7	13	0755	G7D				CHINESE DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14315.1	3	2015	7	26	1020	J3E/U				ASIAN, SOUNDS	QG62an	WIA	VK4TJ
14320.0	8	2015	7	30	0935	A3E				CHINESE SW BROADCAST, CHINESE	QG62an	WIA	VK4TJ
14321.0	5	2015	7	1	0855	G7D				LANGUAGE DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
14330.0	20	2015	7	8	0810	P0N				OTHR, BURSTS	QG62an	WIA	VK4TJ
14335.0	2	2015	7	30	0500	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14336.8	3	2015	7	8	0830	J3E/L				DAILY, ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14340.0	2	2015	7	30	0905	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14340.0	3	2015	7	23	0820	J3E/U	INS			BAHASA SPEAKERS	QG62an	WIA	VK4TJ
14345.0	20	2015	7	30	0900	P0N				OTHR, BURSTS	QG62an	WIA	VK4TJ
14350.0	8	2015	7	30	0850	A3E				SW BROADCAST, CHINESE	QG62an	WIA	VK4TJ
18060.0	20	2015	7	6	2335	P0N				LANGUAGE OTHR,	QG62an	WIA	VK4TJ
18065.0	20	2015	7	16	0550	P0N				CONTINUOUS OTHR,	QG62an	WIA	VK4TJ
18080.0	2	2015	7	8	0310	G7DF				CONTINUOUS MANPACK RADIO	QG62an	WIA	VK4TJ
18110.0	2	2015	7	17	0340	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
18121.0	1	2015	7	29	0615	F1B				ALE	QG62an	WIA	VK4TJ
21085.0	2	2015	7	26	2245	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
21113.0	1	2015	7	8	0640	F1B	200			DAILY, ENCRYPTED	QG62an	WIA	VK4TJ
21210.0	25	2015	7	8	0700	VXX				CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
21290.0	20	2015	7	1	2330	P0N				OTHR, BURSTS WITH PIP TONE	QG62an	WIA	VK4TJ
21300.0	20	2015	7	11	0135	P0N				OTHR, BURSTS	QG62an	WIA	VK4TJ
21342	84	2015	07	07	<0635>	0635 P0N	?	Unid		OTHR S7	AH36TN	NZART	5W0JM
21345.0	160	2015	7	7	337	P0N	???			Woodpecker OTH Radar	PF95gc	WIA	VK5EEE
21349.9	3	2015	7	23	0825	J3E/U				ASIAN	QG62an	WIA	VK4TJ

24955.0	6	2015	7	14	0545	A3E	ASIAN	QG62an	WIA	VK4TJ
28000.0	6	2015	7	2	0325	A3E	ASIAN	QG62an	WIA	VK4TJ
28005.0	2	2015	7	7	0035	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
28005.0	6	2015	7	7	0035	A3E	ASIAN	QG62an	WIA	VK4TJ
28010.0	2	2015	7	7	0045	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
28012.5	8	2015	7	11	0725	F3E	ASIAN	QG62an	WIA	VK4TJ
28015.0	6	2015	7	6	2310	A3E	ASIAN	QG62an	WIA	VK4TJ
28025.0	8	2015	7	8	0115	F3E	ASIAN	QG62an	WIA	VK4TJ
28035.0	6	2015	7	8	00115	A3E	ASIAN	QG62an	WIA	VK4TJ
28037.5	8	2015	7	10	0355	F3E	ASIAN	QG62an	WIA	VK4TJ
28045.0	6	2015	7	8	0140	A3E	ASIAN	QG62an	WIA	VK4TJ
28050.0	8	2015	7	8	0115	F3E	ASIAN	QG62an	WIA	VK4TJ
28055.0	6	2015	7	6	0335	A3E	ASIAN	QG62an	WIA	VK4TJ
28062.5	8	2015	7	10	0355	F3E	ASIAN	QG62an	WIA	VK4TJ
28065.0	6	2015	7	8	0115	A3E	ASIAN	QG62an	WIA	VK4TJ
28065		2015	07	07	<0448>	0448 A3J	CHN Unid Non Amateurs Chinese S1 QSB	AH36TN	NZART	5W0JM
28075.0	6	2015	7	6	2310	A3E	ASIAN	QG62an	WIA	VK4TJ
28085.0	6	2015	7	8	0145	A3E	ASIAN	QG62an	WIA	VK4TJ
28100.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28105.0	6	2015	7	6	0255	A3E	ASIAN	QG62an	WIA	VK4TJ
28115.0	6	2015	7	6	2315	A3E	ASIAN	QG62an	WIA	VK4TJ
28125.0	8	2015	7	8	0120	F3E	ASIAN	QG62an	WIA	VK4TJ
28135.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28145.0	6	2015	7	6	0255	A3E	ASIAN	QG62an	WIA	VK4TJ
28150.0	6	2015	7	10	0430	A3E	ASIAN	QG62an	WIA	VK4TJ
28155.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28162.5	8	2015	7	10	0445	F3E	ASIAN	QG62an	WIA	VK4TJ
28165.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28175.0	8	2015	7	8	0120	F3E	ASIAN	QG62an	WIA	VK4TJ
28185.0	6	2015	7	9	0305	A3E	ASIAN	QG62an	WIA	VK4TJ
28185.0	2	2015	7	8	0120	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
28195.0	6	2015	7	6	0255	A3E	ASIAN	QG62an	WIA	VK4TJ
28200.0	2	2015	7	13	0705	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
28200.0	8	2015	7	10	0455	F3E	ASIAN	QG62an	WIA	VK4TJ
28205.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28212.5	8	2015	7	8	0200	F3E	ASIAN	QG62an	WIA	VK4TJ
28215.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28225.0	8	2015	7	6	0255	F3E	ASIAN	QG62an	WIA	VK4TJ
28227		2015	07	07	<0443>	0443 A3J	CHN Unid Non Amateurs Chinese S1	AH36TN	NZART	5W0JM
28235.0	2	2015	7	8	0200	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
28235.0	6	2015	7	8	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
28235		2015	07	07	<0444>	0444 A3J	CHN Unid Non Amateurs Chinese S1 QSB	AH36TN	NZART	5W0JM
28237.5	8	2015	7	10	0505	F3E	ASIAN	QG62an	WIA	VK4TJ

28245.0	6	2015	7	6	0255	A3E			ASIAN	QG62an	WIA	VK4TJ
28250.0	8	2015	7	9	0115	F3E			ASIAN	QG62an	WIA	VK4TJ
28255.0	6	2015	7	8	0205	A3E			ASIAN	QG62an	WIA	VK4TJ
28260.0	2	2015	7	8	0205	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
28262.5	8	2015	7	8	0205	F3E			ASIAN	QG62an	WIA	VK4TJ
28265.0	6	2015	7	6	0300	A3E			ASIAN	QG62an	WIA	VK4TJ
28275.0	8	2015	7	6	2315	F3E			ASIAN	QG62an	WIA	VK4TJ
28275		2015	07	07	<0445>	A3J	0445	CHN Unid	Non Amateurs Chinese S1 QSB	AH36TN	NZART	5W0JM
28285.0	6	2015	7	6	0300	A3E			ASIAN	QG62an	WIA	VK4TJ
28295.0	6	2015	7	6	0300	A3E			ASIAN	QG62an	WIA	VK4TJ
28295		2015	07	07	<0446>	A3J	0446	CHN Unid	Non Amateurs Chinese S1 QSB	AH36TN	NZART	5W0JM
28300.0	2	2015	7	11	0015	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
28300.0	6	2015	7	9	0120	A3E			ASIAN	QG62an	WIA	VK4TJ
28305.0	6	2015	7	8	0125	A3E			ASIAN	QG62an	WIA	VK4TJ
28315.0	6	2015	7	8	0125	A3E			ASIAN	QG62an	WIA	VK4TJ
28320.0	2	2015	7	8	0125	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
28325.0	6	2015	7	8	0210	A3E			ASIAN	QG62an	WIA	VK4TJ
28335.0	6	2015	7	6	0300	A3E			ASIAN	QG62an	WIA	VK4TJ
28350.0	6	2015	7	11	0720	A3E			ASIAN	QG62an	WIA	VK4TJ
28355.0	6	2015	7	6	2315	A3E			ASIAN	QG62an	WIA	VK4TJ
28365.0	6	2015	7	8	0125	A3E			ASIAN	QG62an	WIA	VK4TJ
28375.0	8	2015	7	8	0230	F3E			ASIAN	QG62an	WIA	VK4TJ
28385.0	6	2015	7	8	0125	A3E			ASIAN	QG62an	WIA	VK4TJ
28400.0	8	2015	7	9	0120	F3E			ASIAN	QG62an	WIA	VK4TJ
28405.0	6	2015	7	8	0235	A3E			ASIAN	QG62an	WIA	VK4TJ
28415.0	6	2015	7	8	0125	A3E			ASIAN	QG62an	WIA	VK4TJ
28425.0	8	2015	7	6	0300	F3E			ASIAN	QG62an	WIA	VK4TJ
28430.0	6	2015	7	11	0605	A3E			ASIAN	QG62an	WIA	VK4TJ
28435.0	6	2015	7	8	0235	A3E			ASIAN	QG62an	WIA	VK4TJ
28445.0	6	2015	7	9	0425	A3E			ASIAN	QG62an	WIA	VK4TJ
28450.0	6	2015	7	11	0055	A3E			ASIAN	QG62an	WIA	VK4TJ
28455.0	6	2015	7	8	0240	A3E			ASIAN	QG62an	WIA	VK4TJ
28462.5	8	2015	7	14	0410	F3E			ASIAN	QG62an	WIA	VK4TJ
28465.0	6	2015	7	8	0245	A3E			ASIAN	QG62an	WIA	VK4TJ
28475.0	8	2015	7	8	0245	F3E			ASIAN	QG62an	WIA	VK4TJ
28485.0	6	2015	7	8	0245	A3E			ASIAN	QG62an	WIA	VK4TJ
28487.5	8	2015	7	8	0245	F3E			ASIAN	QG62an	WIA	VK4TJ
28505.0	6	2015	7	8	0250	A3E			ASIAN	QG62an	WIA	VK4TJ
28515.0	6	2015	7	8	0250	A3E			ASIAN	QG62an	WIA	VK4TJ
28525.0	6	2015	7	8	0130	A3E			ASIAN	QG62an	WIA	VK4TJ
28535.0	6	2015	7	6	0300	A3E			ASIAN	QG62an	WIA	VK4TJ
28537.5	8	2015	7	8	0255	F3E			ASIAN	QG62an	WIA	VK4TJ
28555.0	6	2015	7	8	0300	A3E			ASIAN	QG62an	WIA	VK4TJ

28565.0	6	2015	7	11	0055	A3E			ASIAN	QG62an	WIA	VK4TJ
28575.0	8	2015	7	8	0130	F3E			ASIAN	QG62an	WIA	VK4TJ
28585.0	6	2015	7	8	0130	A3E			ASIAN	QG62an	WIA	VK4TJ
28595.0	6	2015	7	8	0305	A3E			ASIAN	QG62an	WIA	VK4TJ
28600.0	6	2015	7	11	0115	A3E			ASIAN	QG62an	WIA	VK4TJ
28600.0	200	2015	7	8	0130	P0N		IRN	OTHR	QG62an	WIA	VK4TJ
28605.0	6	2015	7	11	0050	A3E			ASIAN	QG62an	WIA	VK4TJ
28610		2015	07	07	<0647>	P0N	0647	IRN	Unid	OTHR Iranian S1 Two rates	AH36TN	NZART 5W0JM
28615.0	6	2015	7	8	0310	A3E			ASIAN	QG62an	WIA	VK4TJ
28625.0	8	2015	7	8	0310	F3E			ASIAN	QG62an	WIA	VK4TJ
28635.0	6	2015	7	6	0305	A3E			ASIAN	QG62an	WIA	VK4TJ
28645.0	6	2015	7	11	0600	A3E			ASIAN	QG62an	WIA	VK4TJ
28650.0	6	2015	7	11	0050	A3E			ASIAN	QG62an	WIA	VK4TJ
28655.0	6	2015	7	8	0315	A3E			ASIAN	QG62an	WIA	VK4TJ
28665.0	6	2015	7	10	0150	A3E			ASIAN	QG62an	WIA	VK4TJ
28675.0	6	2015	7	10	0150	A3E			ASIAN	QG62an	WIA	VK4TJ
28685.0	6	2015	7	8	0130	A3E			ASIAN	QG62an	WIA	VK4TJ
28695.0	6	2015	7	8	0325	A3E			ASIAN	QG62an	WIA	VK4TJ
28700.0	6	2015	7	14	0505	A3E			ASIAN	QG62an	WIA	VK4TJ
28705.0	6	2015	7	8	0130	A3E			ASIAN	QG62an	WIA	VK4TJ
28712.5	8	2015	7	8	0325	F3E			ASIAN	QG62an	WIA	VK4TJ
28715.0	6	2015	7	8	0325	A3E			ASIAN	QG62an	WIA	VK4TJ
28725.0	6	2015	7	11	0050	A3E			ASIAN	QG62an	WIA	VK4TJ
28735.0	6	2015	7	10	0135	A3E			ASIAN	QG62an	WIA	VK4TJ
28735		2015	07	06	<0441>	A3J	0441	IND	Unid	Non Amateur Indonesian S1	AH36TN	NZART 5W0JM
28745.0	6	2015	7	8	0130	A3E			ASIAN	QG62an	WIA	VK4TJ
28755.0	6	2015	7	11	0110	A3E			ASIAN	QG62an	WIA	VK4TJ
28800.0	6	2015	7	11	0050	A3E			ASIAN	QG62an	WIA	VK4TJ
28815.0	6	2015	7	11	0600	A3E			ASIAN	QG62an	WIA	VK4TJ
28825.0	6	2015	7	10	0250	A3E			ASIAN	QG62an	WIA	VK4TJ
28835.0	2	2015	7	6	2320	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
28850.0	6	2015	7	11	0040	A3E			ASIAN	QG62an	WIA	VK4TJ
28862.5	8	2015	7	8	0320	F3E			ASIAN	QG62an	WIA	VK4TJ
28875.0	6	2015	7	8	0320	A3E			ASIAN	QG62an	WIA	VK4TJ
28900.0	8	2015	7	11	0110	F3E			ASIAN	QG62an	WIA	VK4TJ
28925.0	8	2015	7	11	0105	F3E			ASIAN	QG62an	WIA	VK4TJ
28937.5	8	2015	7	11	0105	F3E			ASIAN	QG62an	WIA	VK4TJ
28945.0	6	2015	7	11	0600	A3E			ASIAN	QG62an	WIA	VK4TJ
28950.0	8	2015	7	11	0105	F3E			ASIAN	QG62an	WIA	VK4TJ
28962.5	8	2015	7	14	0500	F3E			ASIAN	QG62an	WIA	VK4TJ
28975.0	8	2015	7	11	0105	F3E			ASIAN	QG62an	WIA	VK4TJ
29005.0	6	2015	7	11	0600	A3E			ASIAN	QG62an	WIA	VK4TJ
29025.0	8	2015	7	14	0500	F3E			ASIAN	QG62an	WIA	VK4TJ
29050.0	8	2015	7	14	0515	F3E			ASIAN	QG62an	WIA	VK4TJ

29075.0	8	2015	7	14	0455	F3E	ASIAN	QG62an	WIA	VK4TJ
29095.0	6	2015	7	14	0515	A3E	ASIAN	QG62an	WIA	VK4TJ
29100.0	8	2015	7	14	0455	F3E	ASIAN	QG62an	WIA	VK4TJ
29125.0	8	2015	7	14	0455	F3E	ASIAN	QG62an	WIA	VK4TJ
29125.0	2	2015	7	11	0540	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
29150.0	8	2015	7	14	0515	F3E	ASIAN	QG62an	WIA	VK4TJ
29162.5	8	2015	7	11	0555	F3E	ASIAN	QG62an	WIA	VK4TJ
29175.0	8	2015	7	14	0450	F3E	ASIAN	QG62an	WIA	VK4TJ
29200.0	8	2015	7	14	0515	F3E	ASIAN	QG62an	WIA	VK4TJ
29212.5	8	2015	7	14	0450	F3E	ASIAN	QG62an	WIA	VK4TJ
29215.0	6	2015	7	6	2325	A3E	ASIAN	QG62an	WIA	VK4TJ
29225.0	8	2015	7	14	0445	F3E	ASIAN	QG62an	WIA	VK4TJ
29237.5	8	2015	7	14	0520	F3E	ASIAN	QG62an	WIA	VK4TJ
29250.0	8	2015	7	14	0445	F3E	ASIAN	QG62an	WIA	VK4TJ
29275.0	8	2015	7	14	0445	F3E	ASIAN	QG62an	WIA	VK4TJ
29300.0	8	2015	7	11	0550	F3E	ASIAN	QG62an	WIA	VK4TJ
29325.0	2	2015	7	11	0540	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ
29350.0	8	2015	7	11	0545	F3E	ASIAN	QG62an	WIA	VK4TJ
29375.0	8	2015	7	11	0540	F3E	ASIAN	QG62an	WIA	VK4TJ
29500.0	8	2015	7	20	0015	F3E	ASIAN	QG62an	WIA	VK4TJ
29537.5	8	2015	7	14	0430	F3E	ASIAN	QG62an	WIA	VK4TJ
29562.5	8	2015	7	11	0655	F3E	ASIAN	QG62an	WIA	VK4TJ
29587.5	8	2015	7	14	0440	F3E	ASIAN	QG62an	WIA	VK4TJ
29600.0	8	2015	7	11	0645	F3E	ASIAN	QG62an	WIA	VK4TJ
29612.5	8	2015	7	19	2335	F3E	ASIAN	QG62an	WIA	VK4TJ
29625.0	8	2015	7	14	0440	F3E	ASIAN	QG62an	WIA	VK4TJ
29637.5	8	2015	7	12	0245	F3E	ASIAN	QG62an	WIA	VK4TJ
29650.0	8	2015	7	11	0625	F3E	ASIAN	QG62an	WIA	VK4TJ
29662.5	8	2015	7	19	2335	F3E	ASIAN	QG62an	WIA	VK4TJ
29675.0	8	2015	7	12	0230	F3E	ASIAN	QG62an	WIA	VK4TJ
29687.5	8	2015	7	14	0430	F3E	ASIAN	QG62an	WIA	VK4TJ
29700.0	8	2015	7	11	0605	F3E	ASIAN	QG62an	WIA	VK4TJ
29700.0	2	2015	7	11	0540	G7DF	MANPACK RADIO	QG62an	WIA	VK4TJ